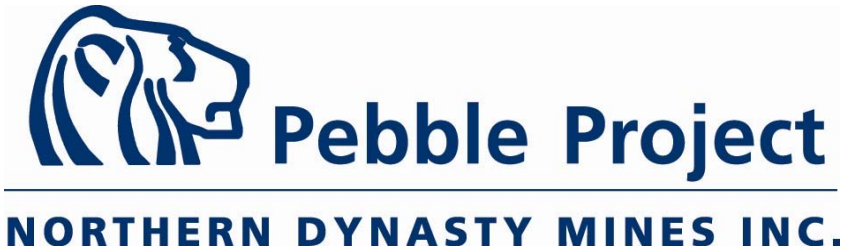


# DRAFT ENVIRONMENTAL BASELINE STUDIES
# 2004 PROGRESS REPORT

## CHAPTER 6. WATER CHEMISTRY

**NOVEMBER 2005**

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# ACRONYMS

| | |
|---|---|
| AASHTO | American Association of State and Highway Transportation Officials |
| ABA | acid-base accounting |
| ac-ft | acre-feet |
| ADEC | Alaska Department of Environmental Conservation |
| ADF&G | Alaska Department of Fish and Game |
| ADNR | Alaska Department of Natural Resources |
| agl | above ground level |
| AHRS | Alaska Heritage Resource Survey |
| ALS | ALS Environmental Laboratory |
| ANCSA | Alaska Native Claims Settlement Act |
| AP | acid potential |
| APE | area of potential effect |
| ASCI | Alaska Stream Condition Index |
| ASTM | American Society for Testing and Materials |
| ASTt | Arctic Small Tool tradition |
| BBNA | Bristol Bay Native Association |
| BEESC | Bristol Environmental & Engineering Services Corporation |
| bgs | below ground surface |
| BIA | Bureau of Indian Affairs |
| BLM | Bureau of Land Management |
| BP | before present |
| BTEX | benzene, toluene, ethylbenzene, and xylenes |
| ºC | degrees Celsius |
| $^{14}C$ | Carbon 14 |
| CEMI | Canadian Environmental and Metallurgical Laboratory |
| cfs | cubic feet per second |
| CIRCAC | Cook Inlet Regional Citizens Advisory Council |
| cm | centimeter(s) |
| CPUE | catch per unit effort |
| CQ | continuous flow |
| CRM | cultural resources management |
| CUEQ% | copper equivalent grade |
| DEM | digital elevation model |
| DI | deionized |
| DO | dissolved oxygen |

| | |
|---|---|
| DOT&PF | Alaska Department of Transportation and Public Facilities |
| DRO | diesel-range organics |
| EBD | environmental baseline document |
| EIS | environmental impact statement |
| EPT | Ephemeroptera, Plecoptera, or Trichoptera |
| EPA | Environmental Protection Agency |
| FAA | Federal Aviation Administration |
| FHWA | Federal Highway Administration |
| FL | fork length |
| fps | feet per second |
| FR | Federal Register |
| ft | foot (feet) |
| $ft^2$ | square foot (feet) |
| g | gram(s) |
| GIS | geographic information system |
| GLM | general linear model |
| GMU | Game Management Unit |
| gpm | gallons per minute |
| GPS | global positioning system |
| GRO | gasoline-range organics |
| GS | gauging station |
| HC-3 | high-gradient, contained channel |
| HDR | HDR Alaska, Inc. |
| HGM | hydrogeomorphic |
| HWM | high-water mark |
| ICP | inductively coupled plasma |
| IIE | Iniskin/Iliamna Estuary |
| IQ | instantaneous flow |
| KC | Kaskanak Creek |
| kg | kilogram(s) |
| $km^2$ | square kilometers |
| KP | Knight Piesold |
| KR | Koktuli River Main Stem |
| L | liter(s) |
| LC-1 | low-gradient, contained channel |
| LIDAR | light detection and ranging |
| m | meter(s) |
| $m^2$ | square meter(s) |

| | |
|---|---|
| M.A. | Master of Arts |
| MC-1 | moderate-gradient, narrow, shallow, contained channel |
| MCHTWG | Mulchatna Caribou Herd Technical Working Group |
| MCL | maximum contaminant level |
| MDC | mine development concept |
| MDL | method detection limit |
| me-Hg | methyl-mercury |
| MEND | mine environment neutral drainage |
| mg | milligram(s) |
| $mi^2$ | square mile(s) |
| ml | milliliter(s) |
| ML/ARD | metal leaching/acid rock drainage |
| MLLW | mean lower low water |
| mm | millimeter(s) |
| MM-1 | moderate-gradient, mixed-control channel |
| MMS | Minerals Management Service |
| MODIS | moderate resolution imaging spectroradiometer |
| mph | miles per hour |
| MRL | method reporting limit |
| mS | milliSiemen(s) |
| m/s | meters per second |
| mV | millivolt(s) |
| NASA | National Aeronautics and Space Administration |
| ND | non-detect |
| NDM | Northern Dynasty Mines Inc. |
| NEPA | National Environmental Policy Act |
| ng | nanogram(s) |
| NK | North Fork Koktuli River |
| NMFS | National Marine Fisheries Service |
| NOAA | National Oceanic and Atmospheric Administration |
| NP | neutralization potential |
| NPS | National Park Service |
| NRCS | Natural Resources Conservation Service |
| NRHP | National Register of Historic Places |
| NTU | nephelometric turbidity unit(s) |
| Nv | calculated variance |
| NWR | National Wildlife Refuge |
| OCSEAP | Outer Continental Shelf Environmental Assessment Program |

| | |
|---|---|
| OHMP | Office of Habitat Management and Permitting |
| OHW | ordinary high water |
| ORP | oxidation reduction potential |
| PA-1 | narrow, placid-flow habitat |
| PA-3 | shallow-ground, water-fed slough |
| PA-5 | palustrine beaver habitat |
| PAG | potentially acid-generating |
| PJD | preliminary jurisdictional determination |
| PSD | Prevention of Significant Deterioration |
| PVC | polyvinyl chloride |
| Q | discharge |
| QA | quality assurance |
| QAPP | quality assurance project plan |
| QC | quality control |
| RBP | Rapid Bioassessment Protocols |
| RDI | Resource Data, Inc. |
| RRO | residual-range organics |
| SHPO | State Historic Preservation Officer |
| SK | South Fork Koktuli River |
| SLR | SLR Alaska |
| SRB&A | Stephen R. Braund & Associates |
| SRK | SRK Consulting (Canada) Inc. |
| SVOC | semivolatile organic compound |
| SWE | snow/water equivalent |
| 3PP | Three Parameters Plus |
| TDS | total dissolved solids |
| TOC | total organic carbon |
| TSS | total suspended solids |
| UAF | University of Alaska Fairbanks |
| µg | microgram(s) |
| µL | microliter(s) |
| µmhos | micromhos |
| USACE | U.S. Army Corps of Engineers – Regulatory Branch |
| USC | United States Code |
| USDA | United States Department of Agriculture |
| USDI | United States Department of Interior |
| USFS | United States Forest Service |
| USFWS | United States Fish and Wildlife Service |

| | |
|---|---|
| USGS | United States Geological Survey |
| UT | Upper Talarik Creek |
| VHF | very high frequency |
| VOC | volatile organic compound |
| WMC | Water Management Consultants Inc. |
| WRIR | water-resources investigations report |
| WY | water year |

# 6. Water Chemistry

## 6.1 Groundwater Chemistry—Mine

### 6.1.1 Introduction

This section discusses the groundwater sampling results from the 2004 field season. The data are analyzed to determine spatial (lateral and vertical) variations and variations with time. The data are also compared with surface water-quality criteria to provide a benchmark for water quality. Based on the results of this analysis, requirements for further data are noted. Groundwater samples were collected in September and October 2004. The study results will be included in the environmental baseline document and are expected to be used for both the design and the permit applications for construction, operation, and closure of the proposed mine. The objective of the following discussion is to report the progress of groundwater sampling and analysis and the current understanding of groundwater chemistry.

### 6.1.2 Study Objectives

The objectives of the baseline groundwater-sampling program include the following:

- Characterization of current groundwater resources.
- Providing information for use in design of facilities, including compensation measures on streams that will have natural streamflows reduced as a result of tailings-storage facilities.
- Evaluation of potential environmental changes during mine construction, operation, and closure.
- Support for assessments of aquatic and fish resources and wetlands habitat.

This portion of the water-quality study provides groundwater-quality data in the vicinity of the proposed mine, mill, and tailings-disposal facilities. The groundwater-quality study is interfacing with concurrent baseline studies of surface-water hydrology and surface-water quality. The surface water-quality data are discussed in Section 6.2.

### 6.1.3 Scope of Work

The scope of work for groundwater sampling in 2004 included the following tasks:

- Measurement of field parameters (temperature, dissolved oxygen, pH, turbidity, specific conductance) for all wells that were sampled.
- Collection of samples from 17 wells in September 2004 and 20 wells in October 2004.

The samples were collected according to the protocol laid out in the *Draft Environmental Baseline Studies, Proposed 2004 Quality Assurance Project Plan* (QAPP; NDM, 2004a). The September samples were collected by CH2M Hill Inc., and the October samples were collected by Bristol Environmental and Engineering Services Corp.

## 6.1.4 Methods

### 6.1.4.1 Site Selection

Groundwater-sampling sites (Figure 5-2 in Chapter 5, Groundwater Hydrogeology) were selected to collect data in the area of the proposed mine pit (SRK5), within and at the upgradient and downgradient ends of various proposed tailings areas (MW-5, -6, -7, 9, and -10), near areas of substantial groundwater discharge (MW-1, -2, and -11), and for background water quality (MW-8). Most of these sampling sites have screens completed at more than one depth (Table 6-1), which allows groundwater to be collected from various depths within the groundwater system and facilitates interpretation of three-dimensional groundwater flowpaths.

TABLE 6-1
Screens completed at each monitoring location

| Nest | Purpose | Completions[1, 2] | Lithology |
|---|---|---|---|
| MW-1 | Groundwater discharge to South Fork Koktuli | S (32) | Gravel with sand |
| | | M (72) | Gravel with sand |
| | | D (134) | Bedrock contact |
| MW-2 | Groundwater discharge to UT1.190 | D (135) | Gravel with sand |
| MW-3 | Downgradient boundary of proposed tailings area | D (192) | Gravelly sand |
| MW-5 | Within proposed tailings area | S (41) | Silty sand |
| | | M (65) | Gravelly sand |
| | | D (105) | Bedrock contact |
| MW-6 | Downgradient of proposed tailings area | D (91) | Gravel with sand |
| MW-7 | Upgradient boundary of proposed tailings area | S (29) | Gravel with sand |
| | | D (72) | Bedrock |
| MW-8 | Background | S (17) | Gravel with sand |
| | | M (46) | Gravelly sand |
| | | D (97) | Gravelly sand |
| MW-9 | Upgradient boundary of a proposed tailings area | D (72) | Sand |
| MW-10 | Downgradient boundary of a proposed tailings area | | Bedrock contact |
| MW-11 | Along flowpath to groundwater discharge to UT1.190 | S (69) | Sandy gravel |
| | | M (111) | Sandy gravel |
| | | D (136) | Bedrock contact |
| KP-P3/SRK5 | Groundwater quality in area of ore body | S (22) | Sand with gravel |
| | | M (52) | Sand with gravel |
| | | D (78) | Bedrock |

Notes:

1. D = deep, M = medium, S = shallow

2. Numbers in parentheses are depths, in feet, to bottom of well below ground surface; the screen length is typically 10 feet

### 6.1.4.2 Groundwater Sampling Methods

Groundwater samples were collected in September and October 2004. These samples represent the first groundwater samples that have been collected for the Pebble Project. The sampling schedule is designed to capture the four seasons of the year with one sampling event planned for each of the following general periods: fall, late winter prior to spring runoff, during spring runoff, and summer.

A multi-probe meter was used to measure specific conductance, water temperature, pH, turbidity, and dissolved-oxygen concentration at the time of sampling. Oxidation-reduction potential was not measured because the low concentrations of electroactive constituents make it difficult to obtain stable readings and the high concentrations of dissolved oxygen make the readings redundant.

To maximize the quality of the field readings, the probes were calibrated each morning. At each sampling site, the pH meter was checked in a buffer and the conductivity meter was checked in a conductivity standard. The readings were recorded on the field sampling form. If required, the meter was recalibrated. The exceptions to this procedure were MW-1S, MW-1M, MW-2D, and MW-8D during the October 2004 sampling round. The field parameters were measured in a flow-through cell to prevent in-gassing or out-gassing and associated disturbance of the field-parameter readings. With the pump intake positioned at the top of the screen, the wells were purged until the field parameters stabilized. Field readings were recorded during well purging. The reported reading was based on the stable reading obtained toward the end of the purging process. The pumping rate and water level were measured during purging. After the field parameters stabilized, the pumping rate was decreased to allow the well to recover, and the water samples were collected.

Water samples were collected for analysis of major ions, dissolved solids, nutrients, total and dissolved metals, and organics. The field-collection and filtering equipment used was made from Teflon, glass, or stainless steel to prevent sample contamination and to minimize analyte losses through adsorption. All sampling equipment was cleaned prior to use at each sampling site with a non-phosphate laboratory detergent and rinsed with distilled water. The submersible sampling pumps and filters were dedicated to individual wells. Triplicate samples were collected at three of the 17 sampling sites in September 2004 and three of the 20 sampling sites in October 2004, which exceeds the ten percent specified in the *Draft Environmental Baseline Studies, Proposed 2004 Quality Assurance Project Plan* (QAPP; NDM, 2004a). No field equipment rinse blanks were required because all sampling equipment was dedicated to the respective well.

Samples to be analyzed for dissolved metals were filtered in the field at the time of sampling through in-line, high-capacity 0.45-micrometer disposable filters. The only exceptions to this procedure were MW-1M and MW-10, collected during the October 2004 sampling round, which were filtered at the end of the day. The samples were preserved in the field at the time of sampling. The only exception to this procedure was the cyanide sample collected at MW-10 during the October 2004 sampling round, which was preserved at the end of the day. After the chain-of-custody forms were completed and the bottles were packed in coolers with gel-ice packs, they were shipped to SGS/CTE Environmental Services in Anchorage, Alaska. The quality assurance (QA) samples were sent to Columbia Analytical Services in Kelso, Washington. Table 6-2 lists the parameters that were analyzed by the project laboratories and their respective analytical methods.

TABLE 6-2
Analytes for laboratory determination

| Analyte | Method |
|---|---|
| **Trace metals** | |
| Aluminum, total and dissolved | EPA200.8 |
| Antimony, total and dissolved | EPA 200.8 |
| Arsenic, total and dissolved | EPA 200.8 |
| Barium, total and dissolved | EPA 200.8 |
| Beryllium, total and dissolved | EPA 200.8 |
| Bismuth, total and dissolved | EPA 200.8 |
| Boron, total and dissolved | EPA 200.8 |
| Cadmium, total and dissolved | EPA 200.8 |
| Calcium, total and dissolved | EPA 200.7/EPA 200.8 |
| Chromium, total and dissolved | EPA 200.8 |
| Cobalt, total and dissolved | EPA 200.8 |
| Copper, total and dissolved | EPA 200.8 |
| Iron, total and dissolved | EPA 200.7 |
| Lead, total and dissolved | EPA 200.8 |
| Magnesium, total and dissolved | EPA 200.7/200.8 |
| Manganese, total and dissolved | EPA 200.8 |
| Mercury, total | EPA 245.1 |
| Molybdenum, total and dissolved | EPA 200.8 |
| Nickel, total and dissolved | EPA 200.8 |
| Potassium, total and dissolved | EPA 200.7/200.8 |
| Selenium, total and dissolved | EPA 200.8 |
| Silicon, dissolved | EPA 200.8 |
| Silver, total and dissolved | EPA 200.8 |
| Sodium, total and dissolved | EPA 200.7/200.8 |
| Thallium, total and dissolved | EPA 200.8 |
| Tin, total and dissolved | EPA 200.8 |
| Vanadium, total and dissolved | EPA 200.8 |
| Zinc, total and dissolved | EPA 200.8 |
| **Major Anions** | |
| Alkalinity | SM 2320B |
| Chloride | EPA 300.0 |
| Fluoride | EPA 300.0 |
| Sulfate | EPA 300.0 |

| Analyte | Method |
|---|---|
| **Other** | |
| pH | EPA 150.1 |
| Specific conductance | SM 2501B |
| Total dissolved solids | EPA 160.1 |
| Total suspended solids | EPA 160.2 |
| Total phosphorous | E365.3 |
| Ammonia nitrogen | SM4500NH3 |
| Nitrate + nitrite | E300.0 and E353.2 |
| Total cyanide | SM4500CN-E |
| WAD cyanide | SM4500CN-I |
| Thiocyanate | Laboratory SOP |

## 6.1.5 Results and Discussion

### 6.1.5.1 Total Dissolved Solids and Field Parameters

Most of the groundwater at the mine study area is characterized by low dissolved solids, neutral pH, an average temperature of 4°C, dissolved oxygen at or near solubility, and low metal concentrations. The following paragraphs discuss each of these parameters in detail for the two rounds of samples that were collected during 2004.

***Total Dissolved Solids***

The concentrations of total dissolved solids (TDS) range from about 16 to 200 milligrams per liter (mg/L) and have an average of about 64 mg/L (Table 6-3, following Section 6.5). About 43 percent of the samples have TDS less than 50 mg/L, and about 86 percent have TDS less than 100 mg/L. These values are relatively low for a groundwater environment. The reason for the low dissolved solids is likely partly due to the types of minerals that are in the overburden materials, which are usually composed mostly of relatively high solubility carbonates like calcite and dolomite and relatively low-solubility silicates like feldspars, micas and quartz. At this site, the minerals might include a greater proportion of low-solubility silicates rather than more soluble carbonates. The low concentrations of dissolved solids are likely also partly due to a relatively high groundwater velocity within the study area. The high velocity decreases the contact time between the groundwater and aquifer minerals, and therefore decreases the mass of minerals that can dissolve. The TDS tends to be higher in the deeper wells. For example, the TDS in MW-5M and D is about twice that in MW-5S ("M," "D," and "S" indicate medium, deep, and shallow, respectively). Similarly, the TDS in MW-8D is about twice that in MW-8S. The exception to this generalization is MW-7 where the TDS in the deep and shallow wells is about the same.

The groundwater chemistry near Frying Pan Lake (MW-5S, M and D) appears to be distinct from the rest of the study area. This difference is reflected in the concentrations of total dissolved solids, which range up to 201 mg/L and are higher in this area than at any of the other monitoring sites. If the results from the MW-5 nest are included, the maximum, minimum, and average concentrations of dissolved solids are about 201, 16, and 64 mg/L, respectively, resulting in an average skewed toward the maximum. If the

results from the MW-5 nest are excluded, the maximum, minimum, and average are about 83, 16, and 48 mg/L, respectively. These results show more of a normal distribution

The concentrations of total dissolved solids were compared with the surface water-quality criteria for the purpose of providing a benchmark of water-quality comparison. The lowest criterion for surface or drinking water is 500 mg/L for total dissolved solids based on the permit-basis criterion for the Pogo project. This comparison is meant as a benchmark only and is not intended to indicate a comparison with established groundwater criteria. As specified in the 2005 QAPP (NDM, 2005), the criterion for total dissolved solids was taken as the lowest of the Alaska Department of Environmental Conservation (ADEC) or the U.S. Environmental Protection Agency (EPA) water-quality criteria. As such, this criterion is the lower of the following two guidelines:

- *Alaska Water Quality Criteria Manual for Toxic and Other Deleterious Organic and Inorganic Substances* (ADEC, 2003).
- *National Recommended Water Quality Criteria (*EPA. 2002).

All samples had total dissolved solids concentrations that were lower than the lowest criterion.

***pH***

The field pH values range from 5.6 to 10.0 for all sampling rounds at all locations (Table 6-4). The samples from MW-5D, MW-7D, MW-8M, and MW-9D have pH readings that vary by 0.4 to 0.8 pH units between the two sampling rounds. The highest pH values were measured in the MW-5 nest, with average values of 9.8 in MW-5D and 8.5 in MW-5M. A pH of 8.8 was measured in MW-2D and an average pH of 8.1 was measured in MW-8D. These values suggest that the groundwater is somewhat isolated from the atmosphere at these locations, allowing carbon dioxide to be consumed and the pH to rise while the water equilibrates with traces of carbonate minerals in the aquifer. Of the remaining sampling locations, the lowest values of 5.8 and 5.9 were measured in the area of the ore body (KP-P3/SRK5), suggesting that they might be somewhat influenced by oxidation of sulfide minerals within the ore. In general, the lower pH values occur in the samples that are closest to the water table and the higher pH values occur in samples that are further below the water table. Most of the rest of the pH values are between 6.3 and 7.1. The lower end of this range is closer to equilibrium with atmospheric carbon dioxide, while the upper end of the range probably reflects consumption of carbon dioxide in the recharge water by trace quantities of carbonate minerals in the aquifer.

TABLE 6-4
Field-parameter readings

| Well ID | | Sample Month | Electrical Conductivity (mS/cm) | pH | Dissolved Oxygen (mg/L) | Temperature (°C) |
|---|---|---|---|---|---|---|
| MW-1 | D | Sep-04 | 0.057 | 6.65 | 18.69[c] | 3.63 |
| | | Oct-04 | 0.062 | 6.69 | 15.13[c] | 3.13 |
| | M | Sep-04 | 0.056 | 7.09 | 15.17[c] | 4.34 |
| | | Oct-04 | 0.057 | 6.70 | 11.24[a] | 3.28 |
| | S | Sep-04 | 0.023 | 5.94 | 14.69[c] | 6.36 |
| | | Oct-04 | 0.020 | 5.66 | 9.65 | 5.23 |

| Well ID | | Sample Month | Electrical Conductivity (mS/cm) | pH | Dissolved Oxygen (mg/L) | Temperature (°C) |
|---|---|---|---|---|---|---|
| MW-2 | D | Sep-04 | 0.060 | 8.75 | 12.95 | 4.90 |
| | | Oct-04 | 0.059 | 8.63 | 10.38[a] | 2.40 |
| MW-3[b] | D | Sep-04 | — | — | — | — |
| MW-5 | D | Sep-04 | 0.271 | 10.01 | 0.58 | 4.09 |
| | | Oct-04 | 0.271 | 9.63 | 0.84 | 3.67 |
| | M | Sep-04 | 0.302 | 8.46 | 0.52 | 3.89 |
| | | Oct-04 | 0.287 | 8.52 | 0.68 | 3.21 |
| | S | Sep-04 | 0.184 | 6.91 | 10.01 | 3.96 |
| | | Oct-04 | 0.129 | 7.11 | 15.19[c] | 3.62 |
| MW-6 | D | Sep-04 | 0.057 | 6.40 | 12.06 | 3.62 |
| | | Oct-04 | 0.051 | 6.69 | 12.32 | 4.37 |
| MW-7 | D | Sep-04 | 0.051 | 5.89 | 17.08[c] | 3.23 |
| | | Oct-04 | 0.050 | 6.64 | 15.35[c] | 2.62 |
| | S | Sep-04 | 0.044 | 6.39 | 14.97[c] | 2.38 |
| | | Oct-04 | 0.038 | 6.66 | 14.62[c] | 3.11 |
| MW-8 | D | Sep-04 | 0.117 | 7.95 | 12.07 | 3.47 |
| | | Oct-04 | 0.107 | 8.19 | 11.86 | 3.19 |
| | M | Sep-04 | 0.072 | 6.14 | 17.03[c] | 3.31 |
| | | Oct-04 | 0.066 | 6.50 | 15.88[c] | 2.93 |
| | S | Sep-04 | 0.046 | 6.33 | 12.83 | 3.83 |
| | | Oct-04 | 0.048 | 6.56 | 12.86 | 3.69 |
| MW-9 | D | Sep-04 | 0.052 | 5.55 | 12.39 | 3.10 |
| | | Oct-04 | 0.048 | 6.31 | 14.41[c] | 2.80 |
| MW-10 | | Oct-04 | 0.053 | 6.28 | 10.64 | 3.69 |
| MW-11 | D | Oct-04 | 0.055 | 6.46 | 8.61 | 4.65 |
| | M | Oct-04 | 0.049 | 6.34 | 14.42[c] | 4.47 |
| | S | Oct-04 | 0.056 | 6.60 | 15.56[c] | 4.73 |
| KP-P3/ SRK-5 | D | Sep-04 | 0.059 | 5.84 | 10.79 | 2.90 |
| | M | Sep-04 | 0.093 | 6.89 | 10.48 | 3.28 |
| | | Oct-04 | 0.090 | 6.78 | 11.62 | 2.92 |
| | S | Sep-04 | 0.039 | 6.06 | 15.91[c] | 3.48 |
| | | Oct-04 | 0.028 | 5.91 | 14.12 | 3.72 |

Notes:

a. The dissolved oxygen value was in the process of equilibrating and does not appear to have reached a constant value when it was recorded on the field data sheet.

b. MW-3D was not sampled in September or October 2004 due to equipment malfunction.

c. The solubility of oxygen in water at the temperature of these samples ranges from 12.8 to 13.8 mg/L. These values exceed the solubility of oxygen and are probably in error. These readings likely indicate that oxygen is at or near solubility in these samples.

mS/cm = milliSiemens per centimeter

***Temperature and Dissolved Oxygen***

The groundwater temperature ranges from 2 to 6°C, with an average of 4°C (Table 6-4). No areas or depths stood out as having a consistently warmer or cooler temperature. In this temperature range, oxygen has a solubility of about 12.8 to 13.8 mg/L. The measured concentrations of dissolved oxygen range from 0.5 to 18.7 mg/L. The measurements over about 14 mg/L are assumed to be in error. Steps will be taken during future sampling rounds to determine and remediate the cause of the erroneous readings. Omitting the dissolved oxygen concentrations above the solubility level, the distribution of oxygen concentrations is essentially bimodal. Most concentrations are above 8 mg/L, and many are above 10 mg/L. Notably, even many of the deep wells have oxygen concentrations that are near the solubility limit. These results indicate that most of the aquifer materials are low in materials that would consume oxygen, such as organic carbon. Two sampling points stand out as having low oxygen concentrations: MW-5M and MW-5D. These sampling points have dissolved oxygen concentrations of about 0.6 mg/L. These low oxygen concentrations suggest that the aquifer solids in this area may have higher traces of organic-carbon content and that the aquifer is relatively isolated from the atmosphere, which would prevent replenishment of the oxygen from the atmosphere. This interpretation is consistent with the pH values, which tend to be higher in the MW-5 nest.

***Summary of Total Dissolved Solids and Field Parameters***

In summary, the groundwater within the study area is characterized by very low dissolved solids, near neutral pH, an average temperature of 4°C, and high dissolved oxygen. The lowest pH values of 5.1 and 5.4 were observed in the area of the ore body and might reflect some impact from oxidation of sulfide minerals. Low dissolved oxygen was observed only in the two deeper aquifers in the Frying Pan Lake valley and one sample from the area of the ore body.

### 6.1.5.2 Dissolved Major Ions

The dissolved major ions analyzed in groundwater at the mine study area included the following: calcium, magnesium, sodium, potassium, alkalinity (assumed to due dissolved carbonate species), sulfate, and chloride.

***Calcium***

Most calcium concentrations fall in the range of 1 to 7 mg/L, with an average of about 4 mg/L (Table 6-5, following Table 6-3 at end of report). Three nests in the study area stand out as having higher calcium concentrations: MW-5 in Frying Pan Lake valley, MW-8 north of the ore body, and SRK5 within the ore body. These sampling points have average calcium concentrations as follows:

- MW-5D 23 mg/L
- MW-5M 31 mg/L
- MW-5S 20 mg/L
- MW-8D 13 mg/L
- KP-P3/SRK5M 9 mg/L

The data collected to date do not indicate a consistent trend of concentration variations with depth. Additional data are required to determine the magnitude of seasonal variations.

***Magnesium***

Most magnesium concentrations are very close to 1 mg/L (Table 6-5, following Table 6-3 at end of report). MW-1S, MW-2D, and SRK5S have noticeably lower concentrations at 0.3, 0.6, and 0.4 mg/L, respectively. Similar to calcium, MW-5 and MW-8 have noticeably higher average concentrations as follows:

- MW-5D 5 mg/L
- MW-5M 10 mg/L
- MW-5S 3 mg/L
- MW-8D 2 mg/L

The data collected to date do not indicate a consistent trend of concentration variations with depth. Additional data are required to determine the magnitude of seasonal variations.

***Sodium***

Most sodium concentrations are in the range of 1 to 3 mg/L, with an average of about 2 mg/L (Table 6-5, following Table 6-3 at end of report). MW-5 has noticeably higher average concentrations, as follows:

- MW-5D 23 mg/L
- MW-5M 9 mg/L

Unlike calcium and magnesium, the sodium concentrations in MW-5S and MW-8D are not noticeably different from the average concentrations in the study area. The data collected to date do not indicate a consistent trend of concentration variations with depth. Additional data are required to determine the magnitude of seasonal variations.

***Potassium***

Most potassium concentrations are in the range of 0.2 to 0.6 mg/L, with an average concentration of about 0.3 mg/L (Table 6-5, following Table 6-3 at end of report). MW-5 has noticeably higher average concentrations, as follows:

- MW-5D 2 mg/L
- MW-5M 1 mg/L

Unlike calcium and magnesium but similar to sodium, the potassium concentrations in MW-5S and MW-8D are not noticeably different from the average concentrations in the study area. The data collected to date do not indicate any concentration variations with depth. Additional data are required to determine the magnitude of seasonal variations.

***Alkalinity***

Most alkalinity values are quite consistent in the range of 15 to 20 mg/L (Table 6-3, following Section 6.5). A few sampling locations have noticeably higher values and a few have lower values. The stations with higher average values are as follows:

- MW-5D 76 mg/L
- MW-5M 108 mg/L
- MW-5S 74 mg/L
- MW-8D 52 mg/L
- MW-8M 31 mg/L

The MW-5 nest and MW-8D show the same pattern of elevated values for alkalinities as for calcium and magnesium. This result is consistent with the relatively high pH values at these locations.

Low average alkalinity values were observed at the following locations:

- MW-1S 5 mg/L
- MW-11M 5 mg/L
- KP-P3/SRK5D 8 mg/L
- KP-P3/SRK5M 6 mg/L

The low alkalinities in MW-1S and MW-11M do not correlate with anomalies in other parameters. SRK5M was noted to have slightly elevated calcium concentrations.

The data collected to date do not indicate any concentration variations with depth. Additional data are required to determine the magnitude of seasonal variations.

***Sulfate***

Most sulfate concentrations fall in the range of 0.5 to 8 mg/L (Table 6-3, following Section 6.5). The following sampling locations have noticeably higher average sulfate concentrations:

- MW-5D 58 mg/L
- MW-5M 36 mg/L
- KP-P3/SRK5D 13 mg/L
- KP-P3/SRK5M 20 mg/L

The elevated sulfate concentrations occur in wells where elevated calcium, magnesium, and alkalinity have been observed. The SRK nest is in the vicinity of the ore body, and the MW-5 nest is downgradient of the ore body.

The data collected to date do not indicate any concentration variations with depth. Additional data are required to determine the magnitude of seasonal variations.

***Relative Water Composition***

The relative water composition is best analyzed using Piper plots, which plot water samples according to the relative equivalents of each major ion rather than the absolute concentrations. These plots (Figures 6-1 and 6-2) show that the groundwater has relatively low magnesium concentrations compared to calcium, sodium, and potassium. Magnesium is always less than 25 percent of the total cation equivalents, whereas calcium ranges from 40 to 90 percent and sodium plus potassium ranges from 10 to 40 percent of equivalents. The chloride equivalents in all samples are all less than 20 percent of the total anion equivalents, representing a relatively low proportion. In contrast, the sulfate equivalents range from 1 to 60 percent of the total anion equivalents, and the bicarbonate equivalents range from 40 to 99 percent. Overall, most of the water samples are dominated by the cations calcium and magnesium, and the anion bicarbonate.

The groundwater composition at the MW-5 nest, which has anomalously high absolute concentrations, shows a distinct trend with depth. The composition is dominated by sulfate in the deep monitoring well, by bicarbonate in the shallow monitoring well, and by an intermediate composition in the intermediate monitoring well. The depth trend at the SRK5 nest, which also showed some anomalously high absolute concentrations, is not as distinct, but does show some stronger domination by sulfate in the deeper monitoring well.

***Comparison with Water Quality Criteria***

To provide a benchmark for groundwater quality, the groundwater concentrations were compared with the lowest criteria for major ions. This comparison is meant as a benchmark only and is not intended to indicate a comparison with established groundwater criteria. Each of the major ion concentrations was compared with its respective water-quality criterion. As specified in the Quality Assurance Project Plan, the criterion for each parameter was taken as the lowest of the ADEC or EPA water-quality criteria (Table 6-6). The lowest criterion is one of the following:

- Permit-basis criteria for Pogo Mine project.
- From ADEC, 2003: drinking-water primary maximum contaminant levels (MCLs), stockwater criteria, irrigation criteria, acute and chronic criteria for aquatic life in fresh water.
- From EPA, 2003a: human health criteria for non-carcinogens for water an aquatic organisms and aquatic organisms only.

As such, these criteria are the lowest of any criterion from the following three documents:

- Pogo mine project environmental impact statement (EPA, 2003b).
- *Alaska Water Quality Criteria Manual for Toxic and Other Deleterious Organic and Inorganic Substances* (ADEC, 2003).
- *National Recommended Water Quality Criteria (*EPA. 2002).

TABLE 6-6
Lowest criteria for major ions in water

| Parameter | Lowest Criteria for Surface or Drinking Water (mg/L) | Source of Lowest Criteria |
|---|---|---|
| Alkalinity | 20 | Chronic aquatic life criterion[1] |
| Ammonia as N | 0.18 | Acute aquatic life criterion[1] |
| Chloride | 230 | Chronic aquatic life criterion[1] |
| Cyanide-free | 0.0052 | Acute aquatic life criterion[1] |
| Fluoride | 4 | Drinking Water Primary MCL[1] |
| Nitrate + Nitrite | 10 | Drinking Water Primary MCL[1] |
| Sulfate | 250 | Permit Basis Criteria[2] |

From Table 1-9 in the 2005 Pebble Project QAPP (NDM, 2005)

1. ADEC, 2003

2. Pogo mine project, final environmental impact statement, Table 4.3-14 (EPA, 2003b).

A sample was compared by calculating the ratio of concentration to the water-quality criterion. A ratio less than one indicated that the concentration was below the criterion, while a ratio greater than one indicated that the concentration was above the criterion.

None of the water-quality criteria were exceeded for these parameters. All samples had ratios that were less than 0.5 for all parameters. More than half the samples had concentrations of alkalinity, chloride, cyanide, fluoride, ammonia, and nitrate plus nitrite that resulted in ratios of less than 0.01. In the case of sulfate, 46 percent of the samples had ratios less than 0.01.

***Summary of Major Ions***

In summary, the major ion concentrations are generally quite uniform with some selected anomalies where the concentrations are slightly higher, namely the MW-5 and SRK5 nests. The MW-5 nest also has anomalously low dissolved-oxygen concentrations, whereas the SRK5 nest has oxygen concentrations near the solubility limit. The major ion composition of the water samples across the site can be described as calcium-magnesium-bicarbonate. This description indicates that the cations are generally dominated by calcium and magnesium rather than sodium and potassium, and the anions are generally dominated by bicarbonate rather than sulfate and chloride. All of the major ions had concentrations less than the lowest criteria specified in the 2005 QAPP (NDM, 2005).

### 6.1.5.3 Nitrogen and Phosphorous

Ammonia was detected only very close to the detection limit in a few samples (Table 6-3, following Section 6.5), specifically 0.03 mg/L in MW-2D (October but not September), 0.05 mg/L in MW-5D (September but not October), 0.04 mg/L in MW-5M (September but not October), and 0.05 mg/L in SRK5M (September but not October). These concentrations are well below the lowest criterion of 0.18 mg/L. However, all of these results are estimated quantities and are below the detection limit of 0.1 mg/L that was obtained in all other samples. Additional sampling and analysis are required to determine if these results are spurious or truly represent traces of ammonia in the groundwater system.

Nitrite and nitrate were detected at considerably higher concentrations than ammonia in more samples (Table 6-3, following Section 6.5). The dominance of nitrite and nitrate over ammonia is to be expected considering the high dissolved oxygen concentrations in the groundwater, which would tend to oxidize any ammonia to nitrite or nitrate. Wells that had detectable nitrate plus nitrite on both sampling rounds were as follows: MW-1M (average = 0.8 mg/L) and MW-7S (average = 0.7 mg/L). Both of these results are below the detection limit of 1 mg/L that was attained on other sampling rounds. Other wells had detectable nitrate plus nitrite on just one sampling round, with concentrations ranging as high as 4 mg/L. Additional samples will be required to determine whether the single-round detections were false positives or represent transient concentrations in the groundwater system. In any case, all concentrations are still considerably below the lowest criterion of 10 mg/L.

Phosphorous was detected on both sampling rounds in the following wells(Table 6-3, following Section 6.5): MW-5D (0.4 mg/L), MW-5M (0.07 mg/L), MW-7D (0.1 mg/L), MW-7S (0.06 mg/L), and MW-9D (0.06 mg/L). Several additional wells had detectable phosphorous on one sample round: MW-1S (0.07 mg/L), MW-1D (0.05 mg/L), MW-1M (0.05 mg/L), MW-2D (0.07 mg/L), MW-5S (0.06 mg/L), MW-8D (0.07 mg/L), MW-8M (0.07 mg/L), MW-11D (0.04 mg/L), MW-11S (0.05 mg/L),SRK5D (0.1 mg/L) and SRK5M (0.06 mg/L). Most of the phosphorous detections were below the detection limit of 0.1 mg/L that was attained on most other samples. Additional samples will be required to determine whether the single-round detections were false positives or represent transient concentrations in the groundwater system. No water-quality criterion has been cited for phosphorous.

In summary, nitrogen and phosphorous generally occur sporadically and only at selected locations. Their concentrations are well below the lowest criteria.

#### 6.1.5.4 Dissolved Trace Metals

The concentrations of dissolved trace metals are summarized in Table 6-7. Each of the trace-metal concentrations was compared with its respective water-quality criterion (Table 6-7). This comparison is meant as a benchmark only and is not intended to indicate a comparison with established groundwater criteria. As specified in the 2005 QAPP (NDM, 2005), the criterion for each parameter was taken as the lowest of the ADEC or EPA water-quality criteria. As such, these criteria are the lower of those from the following two guidelines:

- *Alaska Water Quality Criteria Manual for Toxic and Other Deleterious Organic and Inorganic Substances* (ADEC, 2003).
- *National Recommended Water Quality Criteria (*EPA. 2002).

TABLE 6-7
Lowest criteria for trace metals in water

| Parameter | Lowest Surface or Drinking Water Criteria (µg/L) | Source of Lowest Criteria |
|---|---|---|
| Al | 87 | Chronic aquatic life criterion[1] |
| Sb | 5.6 | Human health criteria for non-carcinogens[2] |
| As | 10 | Human health criteria for non-carcinogens[2] |
| Ba | 1,000 | Human health criteria for non-carcinogens[2] |
| Be | 4 | Drinking Water Primary MCL[1] |
| Cd | 0.1 | Chronic aquatic life criterion[1] |
| Cr | 24 | Chronic aquatic life criterion[1] |
| Cu | 2.7 | Chronic aquatic life criterion[1] |
| Fe | 300 | Human health criteria for non-carcinogens[2] |
| Pb | 0.54 | Chronic aquatic life criterion[1] |
| Mn | 50 | Human health criteria for non-carcinogens[2] |
| Hg | 0.05 | Human health criteria for non-carcinogens (2 |
| Mo | 10 | Irrigation Criteria[1] |
| Ni | 16 | Chronic aquatic life criterion[1] |
| Se | 4.6 | Chronic aquatic life criterion[1] |
| Ag | 0.32 | Acute aquatic life criterion[1] |
| Tl | 0.24 | Human health criteria for non-carcinogens[2] |
| V | 100 | Irrigation Criteria[1] |
| Zn | 36 | Acute aquatic life criterion[1] |

From Table 1-9 in 2005 Quality Assurance Project Plan (NDM, 2005)

1. ADEC, 2003

2. EPA, 2002

The concentration was compared to the criterion by calculating the ratio of the measured concentration to the lowest criterion. Therefore, a ratio greater than one indicates that the criterion is exceeded, while a ratio less than one indicates that the criterion is not exceeded (Table 6-8, following Table 6-5 at end of report; Figure 6-2a). This comparison indicates that the water exceeds very few of the guidelines and is generally of good quality. The following paragraphs describe the exceedances that were observed in the 2004 groundwater data based on filtered samples.

***Cadmium***

Only one exceedance was observed, which occurred at MW-1S (Table 6-8). The cadmium concentration exceeded the criterion by a factor of 1.4 during the October 2004 sampling round. The sample from the same location during the September 2004 sampling event was below the detection limit, which resulted in a ratio of less than the detection limit, i.e., less than 0.31. Future sampling will help to determine whether cadmium regularly occurs above the criterion at this sampling location.

***Iron***

Iron was detected above the criterion on two occasions (Table 6-8):

- MW-5D with a ratio of 1.4 (October 2004).
- MW-5S with a ratio of 3.5 (September 2004).

At both of these sampling locations, the other sample was below the criterion. Therefore, future samples are required to determine whether iron regularly exceeds the criterion at these locations.

***Manganese***

Manganese regularly exceeded the criterion at MW-5 as follows (Table 6-8:

- MW-5D average ratio of 8 for September and October.
- MW-5M average ratio of 4.6 for September and October.
- MW-5S average ratio of 13 for September and October.

Other sampling locations had noticeably lower ratios that were all 0.2 or less. The high manganese concentrations in the MW-5 nest are consistent with the relatively low dissolved oxygen concentrations, which tend to allow manganese oxides to become unstable and dissolve over time.

***Mercury***

The method detection limit for mercury is slightly higher than the lowest criterion, which results in a ratio of 1.2 even for samples that did not have detectable mercury. The ratio is greater than one because the detection limit is higher than the criterion. A few samples with detectable mercury had ratios greater than 1.2, as follows:

- MW-1M 2.3 (October 2004).
- MW-1S 2.4 (October 2004).
- MW-7D 2.4 (October 2004).
- MW-7S 2.4 (October 2004).
- MW-10 1.5 (September 2004).
- SRK5M 2.4 (October 2004).
- SRK5S 1.6 (October 2004).

These results suggest that trace amounts of mercury might occur naturally in the groundwater above the lowest criterion. However, additional sampling is required to determine whether this interpretation is statistically valid because in each case where the ratio was greater than one, the other sampling event did not have detectable mercury.

***Zinc***

Zinc exceeded the lowest criterion at MW-1M with a ratio of 1.5 in the October 2004 sampling round (Table 6-8). However, the ratio was 0.04 at the same location during the September 2004 sampling round, so additional samples are required to determine whether zinc exceeds the criterion. Ninety-two percent of the samples had a ratio less than 0.1.

***Other***

Other trace metals did not exceed the criteria, but the ratios are discussed below as an indication of water quality in the study area. The ratios for these parameters are also summarized in Figure 6-2a.

**Aluminum:** All samples had a ratio less than 0.5, and about 25 percent had a ratio less than 0.1.

**Antimony:** All samples had a ratio less than 0.5, and 77 percent had a ratio less than 0.01

**Arsenic:** All samples had a ratio less than 0.5, and 79 percent had a ratio less than 0.1.

**Barium:** All samples had a ratio less than 0.1, and 89 percent had a ratio less than 0.01.

**Beryllium:** All analyses for beryllium were less than detection, which corresponds to a ratio of less than 0.0038.

**Chromium:** 98 percent of the samples had a ratio less than 0.1, and 43 percent were less than 0.01.

**Copper:** 95 percent of the samples had a ratio less than 0.5, and 49 percent were less than 0.1.

**Lead:** All samples had a ratio less than 0.5, and 86 percent had a ratio less than 0.01.

**Molybdenum:** 92 percent of the samples had a ratio less than 0.5, and 54 percent had a ratio less than 0.01.

**Nickel:** All samples had a ratio less than 0.5, and 89 percent of the samples had a ratio less than 0.1.

**Selenium:** All samples had a ratio less than 0.5, and 89 percent had a ratio less than 0.01.

**Silver:** All samples had a ratio less than 0.5, and 97 percent had a ratio less than 0.01.

**Thallium:** All samples had a ratio less than 0.01.

**Vanadium:** All samples had a ratio less than 0.01.

In summary, the low trace-metal concentrations measured in the groundwater are almost all considerably below the lowest criteria. These results indicate that the water is generally of good quality.

## 6.2 Surface-water Chemistry—Mine

### 6.2.1 Introduction

This section presents the findings of the 2004 surface water-quality study for the mine area. It summarizes data collected in 2004 as part of the baseline study program and evaluates future needs based on data gaps that are noted. In 2004 surface water-quality data were collected from April to October. The study results will be included in the environmental baseline document and are expected to be used for both the design and permit applications for construction, operation, and closure of the proposed mine and related infrastructure.

### 6.2.2 Study Objectives

Objectives of the baseline study for surface-water quality include data collection for the following:

- Characterization of current surface-water resources.
- Design of facilities, including water-management and water-supply structures.
- Evaluation of potential environmental changes during mine construction, operation, and closure.
- Support for assessments of aquatic and fish resources and wetlands habitat.

This study provides water-quality information for surface-water systems in the vicinity of the proposed mine, mill, and tailings-disposal facilities. The surface water-quality study is interfacing with a concurrent surface-water hydrology study (Chapter 4) to assist with the water balance, which is the accounting of the inputs of water in the study area. This information will allow description of current conditions, providing a baseline for the evaluation of future potential changes during mine operation and closure.

### 6.2.3 Study Area

The study area (Figure 6-3)—including the ore body and potential mine, mill, and tailings-disposal facilities—is drained by the north and south forks of the Koktuli River, Upper Talarik Creek, and tributaries of these waterbodies (Figure 6-4). The ore body is at an elevation of about 1,150 feet approximately 2 miles north of locally named Frying Pan Lake (elevation 943 feet) in the headwaters of the Koktuli River. The Kaskanak Creek watershed, which is southwest of the ore body, was monitored to identify potential interbasin transfer from the South Fork of Koktuli River. Kaskanak Creek drains to the Kvichak River below Iliamna Lake. The streams in the study-area drainage are part of the Nushagak or Kvichak watersheds and encompass 965 square miles, including the mineralized area. The long-term mean annual precipitation in the proposed mine-site area is estimated to be 34.1 inches (87 centimeters), of which approximately 30 percent falls as snow (Knight Piesold, 2004).

The study area is situated in a heavily glaciated area where vast amounts of debris were flushed rapidly down the valleys during periods of deglaciation. The normally consolidated glacial debris has been extensively reworked and transported only a short distance downstream from the source areas. The soil deposits consist mainly of till (ground moraine, terminal moraine, and ablation), outwash plains, modified moraine (terraces), and glaciofluvial sediments (Knight Piesold, 2004). Other soil deposits that occur less extensively in the region include swamp, landslide, and solifluction deposits. The ore deposit is a copper-

gold-molybdenum porphyry in the outer part of an Upper Cretaceous tonalite-granodiorite batholith (Hawley, 2004).

The stations that were selected for monitoring surface water include five stations in the North Fork Koktuli River (NK) watershed, twelve stations in the South Fork Koktuli River (SK) watershed, ten stations in the Upper Talarik Creek (UT) watershed, one station on Kaskanak Creek (KC), and one station on the main stem of the Koktuli River (KR; Figure 6-5).

### 6.2.4 Scope of Work

The field work for this study was conducted during 2004. Most of the study (April through September) was conducted by CH2M Hill Inc. HDR Alaska, Inc. (HDR), completed the study tasks during the remainder of the 2004 calendar year. Water-quality samples were collected from surface water, groundwater, and seeps within the study area. Nine seep locations were sampled in May and September. This report presents the finalized water-quality data collected in the streams and at seep locations from April to October 2004. The groundwater-quality data for the mine area are discussed in Section 6.1. The following surface water-quality field work was performed in 2004:

- Measurement of field parameters (temperature, dissolved oxygen, pH, turbidity, specific conductance, and oxidation-reduction potential) in seeps and at stream stations.
- Collection of depth-integrated composite water-quality samples at 29 surface-water locations in seven sampling events from April to October 2004.
- Collection of grab water-quality samples and flow estimates in nine seeps in May and September 2004.

### 6.2.5 Methods

#### 6.2.5.1 Site Selection and Nomenclature

Data were collected in accordance with the *Draft Environmental Baseline Studies, Proposed 2004 Study Plan* (NDM, 2004b) and the *Draft Environmental Baseline Studies, Proposed 2004 Quality Assurance Project Plan* (NDM, 2004a). Monitoring stations for surface water-quality were selected with consideration of a number of hydrologic criteria, including the following:

- Surface-water bodies that have the potential to be affected by project activities.
- Locations upstream and downstream of potential mine-facility locations.
- Groundwater and surface-water interactions.
- Streams that could be potential receiving waters for releases from the project.
- Stations that coincide with historical (Cominco) baseline stations and the information obtained from those studies and related literature.
- Waterbodies in areas of potential water supply.

Additionally, selection and development of station locations was a coordinated process involving the engineering design team and other teams, including those studying water chemistry, fish, aquatic

resources, sediment, and trace metals. Through this process, 29 sites were selected for water-quality measurements. The conceptual-level understanding of surface-water and groundwater regimes and the preliminary project alternatives for facilities were used to help define the surface-water baseline program. The locations of the surface-water stations are shown in Figure 6-5 and are listed in Table 6-9.

TABLE 6-9
Surface water-quality sites in the mine study area

| Location ID | USGS[1] | Rationale |
|---|---|---|
| **North Fork of Koktuli River** | | |
| NK100C | | NK "basin" integrator for NK headwaters |
| NK119A | | Downstream of G tailings site |
| NK119B | | Drains northwest side of mineralized area |
| NK100A | yes | Lower main stem NK near SK confluence |
| NK100B | | Integrates NK100C and NK100A |
| **South Fork of Koktuli River** | | |
| SK136B | | Drains mineralized area |
| SK136A | | Drains mineralized area |
| SK134A | | South of mineralized area |
| SK133A | | South of mineralized area |
| SK100G | | Upper main stem; upstream of Frying Pan Lake; same reach as Cominco Stations 6 and 14 |
| SK131A | | Drains Koktuli Mountain |
| SK100F | | Main stem downstream of Frying Pan Lake (possible sink); same reach as Cominco Station 17 |
| SK100D | | Main stem downstream of flow loss; Cominco Station 5 |
| SK100C | | Main stem downstream of mine area; upstream of flow gain; Cominco Station 16 |
| SK119A | | Tributary downstream of mine area; flow to "aquifer recharge-discharge" area; Cominco Stations 18 and 20 |
| SK100B | yes | Main stem downstream of mine area; downstream of flow gain |
| SK100A | | Lower main stem SK near confluence with NK |
| **Upper Talarik Creek** | | |
| UT100E | | Upper reach of UT; downstream of potential flow gain from NK; upstream of drainage from ore body; same reach as Cominco Station 8 |
| UT146A | | Rises in mineralized area |
| UT141A | | "Low point" for new drainage north of mine area; adds flow to UT |
| UT100D | | Integrates all UT from mine area; Cominco Station 13 |
| UT138A | | Drains Pig Mountain |
| UT135A | | Major UT tributary near confluence with main stem of UT; winter flow contribution; Cominco Station 19 |
| UT119B | | Downstream of flow gain from SK |
| UT119A | | Integrates mine/mill groundwater changes on UT from reduced flow from SK; water-quality and biological sampling |
| UT100B | yes | Lower reach of UT; downstream of UT-1.190 changes; downstream of mineralized zone |
| UT100A | | Downstream of mineralized zone; integrates all of UT |

| Location ID | USGS[1] | Rationale |
|---|---|---|
| **Kaskanak Creek** | | |
| KC100A | | Evaluate potential interbasin transfer of water from SK |
| **Koktuli River Main Stem** | | |
| KR100A | | Integrates NK and SK; lowest watershed site |

1. "Yes" indicates station operated by the U.S. Geological Survey (USGS)

MDC = Mine Development Concepts

Nomenclature for identifying surface-water sites was determined as follows:

- KC = Kaskanak Creek
- KR = Koktuli River Main Stem
- NK = North Fork of Koktuli River
- SK = South Fork of Koktuli River
- UT = Upper Talarik Creek
- Main stream channels are designated as 100, and each tributary stream is numbered in a sequential upstream fashion (101, 102, etc.).
- Each stream identification number was followed by a sequential sample site identifier letter (A, B, C, etc.), where "A" denotes the most downstream sample location on a stream or tributary.

For example, Sample Site UT119A refers to the most downstream sample on the 19th mapped tributary to Upper Talarik Creek from its mouth. Sample Site SK100B refers to the second-most downstream sample site on the main stem of the South Fork of Koktuli River. The three sites for the U.S. Geological Survey (USGS) installations (SK100B, NK100A, and UT100B) were determined during the May 2004 field trip.

Cominco Alaska Exploration began to explore the Pebble Project area in 1986. Early exploration was based on color anomalies observed by local pilots. Drilling started in 1988 and continued through 1993, and included environmental baseline water-quality monitoring. The Cominco surface water-quality data were collected between June 1991 and November 1993. Water-quality sampling was originally conducted for ten sites for Cominco. These sites were each sampled five times between June and July 1991 for 23 metals (aluminum, antimony, arsenic, barium, beryllium, cadmium, calcium, chromium, cobalt, copper, iron, lead, magnesium, manganese, mercury, nickel, potassium, selenium, silver, sodium, thallium, vanadium, and zinc). After August 1991 until November 1993, the water-quality sampling schedule was changed to five new sites, and the original ten sites were abandoned. These new sites were sampled approximately once every month for ten metals (arsenic, barium, cadmium, chromium, copper, lead, mercury, molybdenum, selenium, and silver).

Of the ten Cominco sites sampled during June and July 1991, only three correspond to reach locations currently being sampled. Cominco sites 5, 6, and 8 correspond to current Pebble baseline water-quality sites SK100D, SK100G, and UT100E, respectively. However, sample results from these three sites display detectable data for only six (on average) of the 23 metals tested, and the other metal results were undetected (Appendix 6-A).

Similarly, the five Cominco sites sampled between August 1991 and November 1993 correspond to only three current Pebble sites. Cominco sites 13, 14, and 17 correspond to Pebble sites UT100D, SK100G, and SK100F, respectively. The only parameter to consistently return detectable results for these three sites is barium (occasionally calcium and chromium show detectable levels).

Overall, the majority of the sampling results are displayed as undetected, especially when metals-testing was reduced from 23 to 10 parameters in August 1991. This lack of detected results is attributed to the sensitivity of the testing methods, and therefore, the method reporting limits (MRLs) that were possible at the time of sampling. Most of the Cominco MRLs, when compared to those possible with the testing methods currently being used, are at least an order of magnitude higher (some as many as three orders of magnitude). A table comparing the degree of discrepancy between past and present MRLs can be found in Appendix 6-A.

Because only a few Cominco sites correspond with current water-quality baseline sites, and very few metal results from the Cominco sites were above the MRLs, the Cominco water-quality data are not very useful as an historical comparison with the 2004 surface water-quality analytical results.

Many of the stations that were initially selected by CH2M Hill in early April 2004 were modified by having their location changed either upstream or downstream of the initial location or were completely dropped from the program after the May or June 2004 event. Stations that were dropped are CR198A, CR199A, NK100D, SK100E, UT100C, and UT135B. The station-location modifications were based on field decisions made during the May 2004 trip with Dave Bunte (CH2M Hill), Dave Meyer (USGS), Jim Buell (Buell and Associates), and John Morsell (Northern Ecological Services). See Appendix 6-B for a table of site locations in 2004 and maps of sites that had a significant location change (for example, moved more than 1,000 feet or had tributaries involved) in April or May (for example, KC100A, NK100A, NK100B, NK119A, NK119B, and SK100B). No station moves occurred after June 2004.

#### 6.2.5.2 Surface Water-quality Methods

Water samples were collected consistently from 29 stations over seven field events from April to October 2004. These samples were collected over a range of discharges and provide an initial evaluation of the water quality of the North Fork of Koktuli River, South Fork of Koktuli River, Upper Talarik Creek, Kaskanak Creek, and the Koktuli River near the proposed mine site from April through October 2004.

A Hydrolab Quanta multi-probe meter was used to measure specific conductance, water temperature, hydrogen-ion activity (pH), turbidity, oxidation-reduction potential, and dissolved-oxygen concentration at the time of sampling. To ensure accurate readings, the probes were calibrated each morning and the water-quality probes were cleaned at the time of sampling. Discharge was measured at the time of sampling using methods outlined by Rantz et al. (1982) and explained in the Chapter 4, Surface Water Hydrology. Flow was measured during each sampling event using a Marsh-McBirney or Price AA flow meter and a top-setting wading rod.

Water samples were collected for analysis of major ions, dissolved solids, nutrients, total and dissolved metals, and organics. The field-collection and filtering equipment used was made from Teflon, glass, or stainless steel to prevent sample contamination and to minimize analyte losses through adsorption. All sampling equipment was cleaned prior to use at each sampling site with a nonphosphate laboratory detergent, rinsed with distilled water, and rinsed with stream water just before sample collection. Depth-

integrated water samples were collected using a DH-48 sampler and mixed in a clean bucket to ensure a uniform composite sample. The water was transferred from the bucket into sample containers provided by the project laboratory, using a plastic measuring cup. Many of the sample bottles have preservatives in the bottles sent from the laboratories. Samples to be analyzed for dissolved metals were filtered within 12 hours of collection at base camp in Iliamna through 0.45-micrometer capsule filters and surgical tubing. After the chain-of-custody forms were filled out and the bottles packed in coolers with gel icepacks they were shipped to SGS/CT&E Environmental Services in Anchorage, Alaska; Columbia Analytical Services in Kelso, Washington; and North Creek Analytical in Beaverton, Oregon. Table 6-10 lists the surface-water analytes for which samples were analyzed by the project laboratories.

TABLE 6-10
Surface-water analytes for laboratory determination

| Analyte | Method |
|---|---|
| Aluminum, total and dissolved | EPA200.8 |
| Antimony, total and dissolved | EPA 200.8 |
| Arsenic, total and dissolved | EPA 200.8 |
| Barium, total and dissolved | EPA 200.8 |
| Beryllium, total and dissolved | EPA 200.8 |
| Bismuth, total and dissolved | EPA 200.8 |
| Boron, total and dissolved | EPA 200.8 |
| Cadmium, total and dissolved | EPA 200.8 |
| Calcium, total and dissolved | EPA 200.7/EPA 200.8 |
| Chromium, total and dissolved | EPA 200.8 |
| Cobalt, total and dissolved | EPA 200.8 |
| Copper, total and dissolved | EPA 200.8 |
| Iron, total and dissolved | EPA 200.7 |
| Lead, total and dissolved | EPA 200.8 |
| Magnesium, total and dissolved | EPA 200.7/200.8 |
| Manganese, total and dissolved | EPA 200.8 |
| Mercury, total | EPA 1631 |
| Molybdenum, total and dissolved | EPA 200.8 |
| Nickel, total and dissolved | EPA 200.8 |
| Potassium, total and dissolved | EPA 200.7/200.8 |
| Selenium, total and dissolved | EPA 200.8 |
| Silicon, dissolved | EPA 200.8 |
| Silver, total and dissolved | EPA 200.8 |
| Sodium, total and dissolved | EPA 200.7/200.8 |
| Thallium, total and dissolved | EPA 200.8 |
| Tin, total and dissolved | EPA 200.8 |
| Vanadium, total and dissolved | EPA 200.8 |
| Zinc, total and dissolved | EPA 200.8 |
| pH | EPA 150.1 |
| Specific Conductance | SM 2510B |

| Analyte | Method |
|---|---|
| Alkalinity | SM 2320B |
| Acidity | EPA 305.2 |
| Ammonia | SM 4500NH3G |
| Chloride | EPA 300.0 |
| Cyanide-total | SM 4500 –CN C |
| Cyanide-WAD | SM 4500-CN I |
| Fluoride | EPA 300.0 |
| Nitrate + nitrite | EPA 300.0 |
| Phosphorus-total | EPA 365.3 |
| Sulfate | EPA 300.0 |
| Total dissolved solids | EPA 160.1 |
| Total suspended solids | EPA 160.2 |
| Thiocyanate | Laboratory SOP |

Analytical samples were collected using an equal-discharge, depth-integrated technique. Depth-integrated collection was conducted using a DH-48 sampler where adequate depths (>1 foot of water) permitted its use. Collection in shallow streams was completed with a grab sample that was depth-integrated by hand. Equal-discharge collection was conducted by dividing the stream into segments based on percent discharge. A minimum of 12 depth-integrated sample collections was necessary at each site to fill all the sample bottles required for analyses. Each individual depth-integrated sample was collected in a 5-gallon plastic bucket. By taking 12 or more samples at estimated spacing and compositing these in the bucket before filling sample bottles, a complete discharge and depth-integrated sample was collected. The only exception was the collection of low-level mercury with a grab sample using clean techniques.

#### 6.2.5.3 Field Studies

The surface-water sampling program will document the water chemistry throughout the year and under a range of different hydrologic conditions at key surface-water locations. The sampling program was designed to occur during breakup and six times in the summer when there is the greatest potential variation in water chemistry. As hydrologic conditions change (for example, variation of flows because of breakup and storm events), there is greater potential for varying water chemistry. During winter, flows gradually decrease as winter progresses. Sampling was planned three times during winter. Surface-water sampling in late winter is important because this period represents minimum flows, which are most representative of base flow because of groundwater discharge. Therefore, the sampling program plan consists of nine surface-water baseline events for a 12-month period from April to March. In 2004, the sampling began in April; therefore, samples were not collected during the scheduled winter events in January and March.

Appropriate quality assurance (QA) and quality control (QC) procedures were used during sample collection, sample processing, and shipping. QA/QC samples (duplicate and triplicate samples) were collected during each sampling event, according to the 2004 QAPP (NDM, 2004a) and study plan (NDM, 2004b). Samples collected during the day were generally processed in the evenings after the team returned from the field and had dinner. Samples for dissolved-metals analyses were filtered within 12

hours of collection using a peristaltic pump. Once filtration was completed, sample sets were placed on ice in coolers and chain-of-custody forms were completed. Coolers were repackaged with fresh gel-pack ice the following morning and sealed for delivery to Anchorage, and then shipped to the analytical laboratories.

Surface water was tested in the field for select parameters, and samples were sent to selected independent external laboratories for chemical analysis. Field-screening parameters included dissolved oxygen, conductivity, pH, temperature, turbidity, and oxidation-reduction potential (Appendix 6-C). The primary laboratory was SGS/CT&E Environmental Services in Anchorage, Alaska, and the QA laboratory and low-level mercury primary laboratory was Columbia Analytical Services in Kelso, Washington. The low-level mercury QA laboratory was North Creek Analytical in Beaverton, Oregon.

Metal analyses were conducted on total (unfiltered) and dissolved (filtered) samples. The laboratory analysis was conducted under the laboratory QA/QC program as described in the 2004 QAPP (NDM, 2004a) and validated by the Analytical QA/QC Manager at Shaw Alaska. Samples collected from six stream locations in August and October were analyzed for organic constituents, including pesticides, volatile compounds, and semi-volatile compounds.

Nine seeps were sampled in May and September. Two of the nine seeps were different in September because two seeps sampled in May were dry in September. The objective of conducting seep sampling in 2004 was to document the water chemistry of seeps or springs in the vicinity of the ore deposit. Water-quality analyses for the seep samples were exactly the same as those for the surface-water samples. The results of measurements of field parameters in seeps are provided in Appendix 6-C.

#### 6.2.5.4 Data Analysis

Analytical and field parameter data for April through October 2004 are summarized in tables and graphs for the main stem and tributary locations that were sampled on Kaskanak Creek, Koktuli River Main Stem, north and south forks of the Koktuli River, and Upper Talarik Creek. Samples were analyzed for nonmetallic analytes and metals (total and dissolved), including trace metals and major metals, by the primary analytical laboratory (SGS/CT&E Environmental Services). Median concentration values from the main stem locations in each drainage were used to plot the data (Appendix 6-D). The analytical data for KR100A and KC100A also are summarized in tables and graphs for major ion concentrations (total and dissolved concentrations) and for trace elements. The dissolved and total ions that were summarized in Appendix 6-D include aluminum, calcium, iron, potassium, magnesium and manganese (Figures 6D-6 through 6D-15). The total and dissolved trace elements that were graphed include arsenic, copper, molybdenum, lead, and zinc (Figures 6D-16 through 6D-25). (Tables of all the analytical data for the 2004 surface-water locations at the mine study area are presented in Appendix 6-E, but many metals were not summarized or graphed because they were infrequently detected. Please note: Appendix 6-E is available in electronic format only and will be provided upon request.)

In the graphs, undetected values are summarized at one-half the MRL. Cobalt and antimony are not graphed because the elevated values that the laboratory detected were caused by contamination from the in-line capsule filters that were used to filter the dissolved metals samples. Only validated data were used in the summary graphs; if data were flagged with an R, the data were not used because the sample results were rejected due to serious deficiencies in meeting QC criteria. Data flagged with J, J+, and/or J- are estimated quantities and were used in the summary statistics for this initial evaluation of the water-quality

data. Data flagged BQ and BQ1 also were used in the summary statistics for those values reported above the MRL. Copper was used to illustrate trends in metal concentration compared to flow (Appendix 6-F).

The field-screening parameters were documented in tables and graphed (Appendix 6-C). Temperature, dissolved oxygen, pH, specific conductance, and discharge are displayed in the graphs for the surface-water locations and in tables for the seeps. When duplicate readings were taken, the mean value was plotted. Turbidity and the oxidation-reduction potential are presented in the tables, but are not graphed because of inconsistencies in the data caused by the unreliable readings measured by the Quanta Hydrolab multi-probe meters in 2004.

The April data for some of the surface-water stations may not be comparable to other 2004 data because many of the station locations changed for the May-to-October sampling events. In many cases, the locations changed by a substantial distance, including moving above or below tributaries. A summary of the sample locations that changed in 2004 is presented in Appendix 6-B. Substantial location changes that are documented include KC100A, NK100B, NK119A, and NK119B. Data collected in April are included in the graphs because they give a data point for the breakup and high-flow conditions that occurred during this sampling event on the main stems of the north and south forks of Koktuli River and Upper Talarik Creek.

Analytical data for NK100D, SK100E, SK135B, UT135B, UT100C, CR198A, and CR199A are presented only in Appendix 6-E (available only in electronic format by request), because these sites were sampled only in April and/or May 2004 and then were dropped from the program. UT100A was not sampled in June and July because permission for access to this site on Native corporation lands was not obtained.

### 6.2.6 Results and Discussion

This subsection discusses and summarizes the field parameters and qualified laboratory analytical results from surface-water samples collected in April through October 2004 in the mine study area.

#### 6.2.6.1 Specific Conductance

Specific conductance is a measure of the ability of water to conduct an electric current and is determined by the type and concentration of ions in solution. It is a readily measured property that can be used to indicate the dissolved-solids or ion content in water. In the field, specific conductance was measured in microSiemens per centimeter using the Quanta Hydrolab multi-meter; the laboratory reports the results in micromhos per centimeter (µmhos/cm). The microSiemen is numerically the same as the micromhos (Hem, 1985).

Values of specific conductance ranged from 29 to 70 µmhos/cm for the North Fork of Koktuli River, 30 to 85 µmhos/cm for the South Fork of Koktuli River, and 28 to 120 µmhos/cm for Upper Talarik Creek (Appendix 6-E, available only in electronic format by request). The highest values of specific conductance were measured during the lowest discharge in July and/or August, reflecting contributions from groundwater. Specific conductance was lower in the spring (April to June), when discharges increased because of melting snow, ice, and runoff. At the sites visited in 2004, specific conductance showed slight variation (Appendix 6-C), but the highest and lowest conductance values, in August and April, respectively, were both measured in Upper Talarik Creek.

#### 6.2.6.2 pH

The pH of water is a measure of its hydrogen-ion activity, and for fish growth and survival, the pH should remain in the range of 6.5 to 9.0 standard units. Values of pH ranged from 7.0 to 8.1 in the North Fork Koktuli River, from 6.6 to 8.4 in the South Fork Koktuli River, and from 6.8 to 7.7 in Upper Talarik Creek.

#### 6.2.6.3 Water Temperature

Water temperatures in the streams at the proposed mine site were the coldest in May (e.g., average temperature in the South Fork Koktuli River was 3.3 $^{o}$C in May 2004), reflecting the beginning of snowmelt. By June, water temperatures had risen to 6.0$^{o}$C or higher, and in July and August, temperatures reached at least 11$^{o}$C to 13$^{o}$C at most sites. The highest water temperatures were found in the South Fork Koktuli River sites just downstream of Frying Pan Lake where the July and August temperatures reached 18$^{o}$C to 20$^{o}$C. South of Frying Pan Lake is where stream reaches completely dried up in August (for example, between SK100D and SK100C).

#### 6.2.6.4 Dissolved Oxygen

The dissolved-oxygen concentration in a stream is controlled by several factors, including water temperature, air temperature and pressure, hydraulic characteristics of the stream, photosynthetic or respiratory activity of stream biota, and the quantity of organic matter present. Dissolved oxygen concentrations in the three drainages ranged from 9 to 17 milligrams per liter (Appendix 6-C); therefore, measured concentrations of dissolved oxygen are sufficient to support fish in the study area.

#### 6.2.6.5 Alkalinity and Hardness

Alkalinity is the total of components in the water that tend to elevate the pH of the water above about 4.5. It is a measure of the capacity of the substances dissolved in water to neutralize acid. In most natural waters, alkalinity occurs primarily as bicarbonate and carbonate (Hem, 1985), which are ions formed when many types of rocks weather. It is measured by titration with standardized acid to a pH value of about 4.5, and it is expressed commonly as milligrams per liter of calcium carbonate ($CaCO_3$). Alkalinity is considered to be a measure of the buffering capacity of water, and since pH has a direct effect on organisms as well as an indirect effect on the toxicity of some pollutants in the water, it is important to water quality. The alkalinity concentrations (reported as equivalent concentrations of $CaCO_3$) in the mine study area ranged from 11 to 32 mg/L for the North Fork of Koktuli River, from 7.0 to 35 mg/L for the South Fork of Koktuli River, and from 16 to 56 mg/L for Upper Talarik Creek.

Hardness is a measure of dissolved calcium and magnesium. Hardness concentrations ranged from 4.3 to 24.9 mg/L in the North Fork of Koktuli River, from 8.6 to 29.1 mg/L in the South Fork of Koktuli River, and from 10 to 45.2 mg/L in Upper Talarik Creek.

For both hardness and alkalinity, the concentrations reported increase with a decrease in discharge from April to October 2004. The chronic aquatic-life criteria for maximum alkalinity in fresh waters is 20 mg/L (ADEC, 2003), which is exceeded in the study area for most of the main stem locations in Upper Talarik Creek for the May through October sampling events. The highest value (56 mg/L) is reported in September at UT100D. Most of the South Fork of Koktuli River stations exceed this alkalinity criteria in

July, and alkalinity values from NK100A and NK100C in June through September range from 21 to 32 mg/L, respectively.

#### 6.2.6.6 Nutrients

A nutrient is an element or compound essential for animal and plant growth, such as nitrogen, phosphorus, and potassium. Nitrogen is an important water-quality constituent, in part because it is an important component of the protoplasm of aquatic biota.

In aquatic ecosystems, nitrogen commonly occurs in three ionic forms: nitrate ($NO_3$), nitrite ($NO_2$), and ammonium ($NH_4$). Nitrite and nitrate are oxidized forms of nitrogen (N) that together normally constitute most of the dissolved nitrogen in well-aerated streams. For the Pebble Project, ammonium is analyzed as ammonia as N; thus, nitrogen concentrations are reported as total ammonia-N and total nitrite plus nitrate-N. Nitrate-nitrite as N is generally reported to be below the MRL of 0.03, 0.31, or 0.62 mg/L in all drainages in June through September, although the highest value measured for Upper Talarik Creek was 1.73 mg/L in August at UT100B.

Phosphorus is an essential element in the growth of plants and animals. It occurs as organically bound phosphorus or as phosphate. High concentrations of phosphorus in water are not considered to be toxic to human or aquatic life. However, the presence of phosphorus can stimulate the growth of algae in lakes and streams. Sawyer (1947) first noted that nuisance algal conditions could be expected in lakes when concentrations of inorganic nitrogen ($NH_3$+$NO_2$+$NO_3$ as N) as low as 0.3 mg/L are present in conjunction with as much as 0.01 mg/L of phosphorus. The total phosphorus values in the mine study area were mostly below the MRL in all streams in April through October 2004. The highest concentrations measured were in July at NK100A, NK100C, and SK100F at 0.31, 0.33, and 0.37 mg/L, respectively.

#### 6.2.6.7 Major Ions and Dissolved Solids

In 2004, water samples were collected and analyzed for total major ions and total dissolved solids, which are primarily derived from soil and rock weathering. Concentrations generally are greatest in streams that drain basins underlain by rocks and soils that contain easily weathered minerals.

Total dissolved solids in the study area are generally low, ranging from 27 to 77 mg/L in the three drainages at the proposed mine site. SK100G had the highest TDS concentration, which was measured in June 2004 (Appendix 6-E, available only in electronic format by request).

Calcium and magnesium are both essential elements for plants and animals. Calcium is usually the dominant cation in most natural waters, followed by magnesium (Hem, 1985). Calcium concentrations in the mine study area ranged from 2.64 to 6.55 mg/L (2,640 to 6,550 micrograms per liter [μg/L]) for the North Fork of Koktuli River, from 2.66 to 6.47 mg/L (2,660 to 6,470 μg/L) for the South Fork of Koktuli River, and from 4.11 to 1.24 mg/L (4,110 to 1,240 μg/L) in Upper Talarik Creek. In all drainages, the calcium and magnesium concentrations increased slightly from May to September as flow decreased, and concentrations then decreased in October after the precipitation events at the end of September. Magnesium concentrations ranged from 0.83 to 2.1 mg/L (830 to 2,100 μg/L) in the North Fork of Koktuli River, from 0.582 to 1.59 mg/L (582 to 1,590 μg/L) in the South Fork of Koktuli River, and from 1.33 to 3.47 mg/L (1,330 to 3,470 μg/L) in Upper Talarik Creek.

Sodium is present in all natural waters, but usually in low concentrations in rivers. Concentration values for this constituent ranged from 1.3 to 3.6 mg/L (1,300 to 3,650 μg/L) in all the main stem locations from the north and south forks of Koktuli Rivers and Upper Talarik Creek. The highest concentrations were reported during low-flow periods in July through September, and the lowest concentration values were measured in April and/or May when discharge was high.

Potassium, an essential element for both plants and animals, is abundant in nature, but rarely occurs in high concentrations in natural waters (Hem, 1985). Potassium concentrations ranged from 0.28 to 0.63 mg/L (280 to 630 μg/L) in the North Fork of Koktuli River, from 0.2 to 0.46 mg/L (200 to 458μg/L) in the South Fork of Koktuli River, and from 0.3 to 0.55 mg/L (300 to 550 μg/L) in Upper Talarik Creek. The potassium concentration values increased at most sites in Upper Talarik Creek from May to September and then decreased in October due to the precipitation events at the end of September 2004. The potassium concentration values in the north and south forks of Koktuli River did not change much in 2004.

Sulfate in rivers is mostly from the weathering of sedimentary and igneous rocks and biochemical processes. Concentrations of this constituent ranged from 1.05 to 3.2 mg/L for the North Fork of Koktuli River, from 2.95 to 12.94 mg/L for the South Fork of Koktuli River, and from 1.31 to 7.76 mg/L in Upper Talarik Creek (Appendix 6-E, available only in electronic format by request). The highest sulfate concentrations of the three drainages were found in the South Fork of Koktuli River, but all are significantly less than the lowest water quality criteria of 250 mg/L. SK100G, the first main stem station just downstream of the mineral deposit, consistently had the highest values of sulfate each month, ranging from 6.62 mg/L in May to 12.9 mg/L in October.

Chloride is present in the mine study area, but concentrations are low and range from 0.53 to 1.15 mg/L in Upper Talarik Creek, from 0.57 to 1.06 mg/L in the North Fork of Koktuli River, and from 0.50 to 1.14 mg/L in the South Fork Koktuli.

Other major ions that were summarized for 2004 include aluminum, iron, and manganese. Total and dissolved aluminum, iron, and manganese generally decreased from April to September as the discharge decreased in all drainages (Appendix 6-D). Kaskanak Creek had the highest iron concentrations, ranging from 390 to 614 μg/L, and these values exceed the lowest water-quality criteria of 300 μg/L. Total aluminum concentrations exceeded the lowest water quality criteria (87 μg/L) for fresh waters in April in the North Fork of Koktuli River and Upper Talarik Creek drainages and in April and May (230 μg/L and 96.5 μg/L, respectively) at KR100A.

#### 6.2.6.8 Total and Dissolved Trace Elements

Figures in Appendix 6-F illustrate the relationship between dissolved and total copper and discharge. The highest copper concentrations typically occurred during the highest flow conditions either during spring breakup or in October after several weeks of precipitation at the end of September. The copper concentrations decreased as flow decreased during the summer months at most of the water-quality stations, although in July there was a slight increase in copper concentrations at several main stem locations on the South Fork Koktuli (for example, SK100F, SK100B, and SK100A). In the North Fork of the Koktuli River, copper concentrations ranged from 0.2 to 0.5 μg/L, and the Upper Talarik copper concentration range is 0.1 to 1.1 μg/L. The South Fork of the Koktuli River had copper concentrations at SK100A ranging from 0.3 to 1.7 μg/L, and the highest copper concentrations for all the stations occurred

at SK100G with a range of 2.5 to 4.9 μg/L, which exceeds the lowest water-quality criteria of 2.7 μg/L for copper in all the months sampled except September 2004.. The variation in the copper concentrations in the South Fork Koktuli drainage is related to the distance from the mineralized area; for example, SK100G has the highest copper concentrations and is the main stem location closest to the mineralized area.

Median concentration values for total and dissolved trace elements (arsenic, molybdenum, lead, zinc, and copper) in the main stems of the north and south forks of Koktuli River and of Upper Talarik Creek generally decrease from April to September as the flow also decreased. The exception is arsenic, which had the highest value in July and/or August (Appendix 6-D, Figures 6D-10 through 6D-15). Kaskanak Creek had the highest arsenic concentrations of all sampling locations, ranging from 1.2 to 1.6 μg/L, but is significantly less than the lowest water-quality criteria of 10 μg/L for arsenic.

#### 6.2.6.9 Low-level Mercury

Mercury was analyzed in 2004 at all stations, and the highest value reported was 6.6 nanograms (ng)/L (0.006 μg/L) at KC100A in April (Table 6-11). Almost all the stations showed a decrease in low-level mercury concentrations from April to September 2004 as discharge decreased. The other highest concentrations are 4.9 ng/L (0.0049 μg/L) in the main stem locations of Upper Talarik Creek, 4.8 ng/L (0.0048 μg/L) in the North Fork of Koktuli River, and 2.3 ng/L (0.0023 μg/L) in the South Fork of Koktuli River. All values were well below the lowest water-quality criteria of 50 ng/L.

Table 6-11.
Summary of mercury concentrations at surface water-quality sites, May 2004.

| | CR198A (ng/L) | CR199A (ng/L) | KC100A (ng/L) | KR100A (ng/L) | NK100A (ng/L) | NK100B (ng/L) | NK100C (ng/L) | NK100D (ng/L) | NK119A (ng/L) | NK119B (ng/L) |
|---|---|---|---|---|---|---|---|---|---|---|
| April | 3.1 | 6.0 | 6.6 | 3.1 | 4.8 | 2.6 | 2.1 | 2.5 | 2.2 | 2.0 |
| May | 3.4 (BQ1) | 0.8 (BQ1,J) | 2.7 (BQ1) | 2.5 (BQ1) | 2.8 (BQ1) | 1.3 (BQ1) | 2.1 (BQ1) | 2.3 (BQ1) | 2.6 (BQ1) | 2.2 (BQ1) |
| June | | | 0.9 (J) | 0.6 (BQ1,J) | 0.9 (J) | | 0.5 (BQ1,J) | | 0.6 (BQ1,J) | 0.5 (BQ1,J) |
| July | | | 3.2 (J+) | 0.4 (BQ1,J) | 0.5 (BQ1,J0 | | 0.5 (BQ1,J) | | 0.4 (BQ1,J) | |
| August | | | 1.1 (BQ1,J) | 0.5 (BQ, BQ1,J) | 1.3 (BQ1,J) | 0.9 | 0.6 (BQ1,J) | | 0.8 (BQ1,J) | 1.0 (BQ1,J) |
| September | | | 1.1 (BQ1) | 1.3 (BQ1) | ND (1.0) | ND (1.0) | ND (1.0) | | ND (1.0) | 1.0 (BQ1) |
| October | | | 1.4 (BQ1) | | 0.8 (BQ1,J) | 1.0 (BQ1) | 1.4 (BQ1) | | 1.4 (BQ1) | 1.2 (BQ1) |

| | SK100A (ng/L) | SK100B (ng/L) | SK100C (ng/L) | SK100D (ng/L) | SK100E (ng/L) | SK100F (ng/L) | SK100G (ng/L) | SK119A (ng/L) | SK131A (ng/L) | SK133A (ng/L) | SK134A (ng/L) | SK136A (ng/L) | SK136B (ng/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| April | 1.4 | 1.1 | 0.5 (J) | 1.5 | 1.8 | 1.0 | 1.8 | 1.0 (J) | 1.4 | 2.1 | 3.0 | 5.3 | 3.1 |
| May | 1.3 (BQ1) | 1.9 (BQ1) | 1.6 (BQ1) | 0.4 (BQ1) | 2.3 (BQ1) | 0.6 (BQ1) | 1.6 (BQ1) | 2.1 (BQ1) | 1.4 (BQ1) | 2.2 (BQ1) | 2.8 (BQ1) | 0.7 (BQ1) | 1.7 (BQ1) |
| June | 0.9 (J) | 0.5 (BQ1,J) | 0.7 (BQ1,J) | 1.9 | | 1.2 | 0.7 (J) | 0.8 (J) | 0.9 (J) | 0.7 (J) | 1.7 | 0.9 (J) | 0.9 (J) |
| July | 0.5 (BQ1,J) | 0.4 (BQ1,J) | <3.1 (BQ1,J) | 0.7 (BQ1,J) | | 1.3 (BQ1,J) | 0.7 (J) | 0.8 (BQ1,J) | 0.4 (BQ1,J) | 0.8 (BQ1,J) | 1.5 (BQ1) | 2.1 | 1.0 (BQ1,J) |
| August | 0.8 (BQ1,J) | 1.4 (BQ1,J) | | 1.3 (BQ1,J) | | 0.8 (BQ1,J) | 1.0 (BQ1,J) | 0.7 (BQ1,J) | 0.3 (BQ1,J) | 1.5 (BQ1,J) | 1.5 (BQ1,J) | 1.8 (BQ1,J) | 1.1 (BQ1,J) |
| September | ND (1.0) | 1.4 (BQ) | | ND (1.0) | | ND (1.0) | ND (1.0) | ND (1.0) | ND (1.0) | ND (1.0) | ND (1.0) | 1.4 (BQ1) | 1.7 (BQ1) |
| October | 0.6 (BQ1,J) | 0.6 (BQ, BQ1,J) | 1.2 (BQ1) | | | 2.1 (BQ1) | 1.4 (BQ1) | 1.1 (BQ1) | 0.4 (BQ, BQ1,J) | 1.2 (BQ1) | 1.6 (BQ1) | 0.4 (BQ, BQ1,J) | 1.1 (BQ1) |

| | UT100A (ng/L) | UT100B (ng/L) | UT100C (ng/L) | UT100D (ng/L) | UT100E (ng/L) | UT119A (ng/L) | UT119B (ng/L) | UT135A (ng/L) | UT135B (ng/L) | UT138A (ng/L) | UT141A (ng/L) | UT146A (ng/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| April | 2.7 | 4.9 | 2.4 | 3.7 | 2.7 | 1.4 | | 2.6 | 2.6 | 3.0 | 5.1 | 3.6 |
| May | 2.0 (BQ1) | 1.6 (BQ1) | 2.4 (BQ1) | 2.3 (BQ1) | 1.6 (BQ1) | 1.5 (BQ1) | 1.4 (BQ1) | 1.3 (BQ1) | 1.6 (BQ1) | 1.9 (BQ1) | 1.8 (BQ1) | 2.1 (BQ1) |
| June | | 0.3 (BQ1,J) | | 1.6 (BQ1) | 0.9 (BQ1,J) | | 0.5 (BQ1,J) | 0.4 (BQ1,J) | | 1.1 (BQ1) | 1.4 (BQ1) | 1.3 (BQ1) |
| July | | 0.5 (BQ1,J) | | 1.1 | 0.4 (BQ1,J) | 0.4 (BQ1,J) | 0.3 (BQ1,J) | 0.9 (BQ1,J) | | 0.4 (BQ1,J) | 1.2 | 0.4 (BQ1,J) |
| August | 1.0 (BQ1,J) | 0.8 (BQ1,J) | | 1.4 (BQ1,J) | 0.9 (BQ1,J) | 0.8 (BQ1,J) | 0.6 (BQ1,J) | 1.1 (BQ1,J) | | 0.7 (BQ1,J) | 1.0 (BQ1,J) | 0.6 (BQ1,J) |
| September | 1.1 (BQ1) | ND (1.0) | | 1.0 (BQ1) | ND (1.0) | ND (1.0) | ND (1.0) | ND (1.0) | | 1.0 (BQ1) | ND (1.0) | ND (1.0) |
| October | 1.8 (BQ1) | 0.9 (BQ1,J) | | 1.5 (BQ1) | 0.9 (BQ1,J) | 2.9 | 1.2 (BQ1) | 0.9 (BQ, BQ1,J) | | 1.2 (BQ1) | 1.1 | 1.2 (BQ1) |

Note: blank cells = Not sampled because stations were dropped from the baseline program in May 2004 (e.g., CR198A, CR199A, NK100D, SK100E, UT100C and UT135B), stations were dry during the summer (e.g., SK100C in August and September 2004), or access was denied (e.g., UT100A).

BQ or BQ1 = result is associated with blank contamination at a level less than or equal to five times the concentration in the blank for contaminants below the MRL (ten times for contaminants above the MRL). Result should be considered not detected at the concentration of the MRL for those results reported below the MRL or as biased high for those reported above the MRL.

J= result is an estimated quantity, but the result may be biased low (J-), or biased high (J+).

ND = not detected; MRL in parentheses

### 6.2.6.10 Filtered and Unfiltered Data

A statistical analysis was done by Tony Yeo, an assistant professor at the University of Alaska, to determine if a good correlation exists between the filtered (total) and unfiltered (dissolved) data for 25 analytes that were most often measured in detectable amounts in samples from surface water-quality stations in the mine study area in 2004. There were a number of analytes that showed poor correlation between filtered and unfiltered values (for example, cadmium and chromium; it should be noted that cadmium had only a few data points). Other substances that showed a very good correlation, for example, calcium and magnesium (correlation coefficient r=0.99).

A good correlation (correlation coefficient r>0.80) for some of the 25 analytes that were included in this analysis suggests that there is no need to analyze for both filtered and unfiltered concentrations for calcium, copper, iron, magnesium, manganese, molybdenum, nickel, potassium, selenium, sodium, and zinc.

### 6.2.6.11 Seep Data Summary

In the South Fork Koktuli drainage, three seep locations (001-04, 002-04, and 004-04) were sampled for all parameters in both May and September 2004. Seep 003-04 was only sampled in May due to an absence of flow during the sampling event in September. Seep 010-04 was sampled only in September. For the three seeps sampled during both events, median concentrations and ranges are provided in Tables 6-12 through 6-15, and a map of the 2004 seep locations is shown on Figure 6-6.

TABLE 6-12
Median concentrations for total major ions in the South Fork Koktuli drainage.
Location summary data from Seeps 001-04, 002-04, and 004-04.

| Month | | Parameters | | | | | |
|---|---|---|---|---|---|---|---|
| | | Al µg/L | Ca µg/L | Fe µg/L | Mg µg/L | Mn µg/L | K µg/L |
| | MDL | 7.8 | 15 | 6.2 | 6.2 | 0.5 | 15 |
| | MRL | 25 | 50 | 20 | 20 | 1 | 50 |
| May | Median | 28.7 | 4580 | 47.5 | 1100 | 1.97 | 337 |
| | Range | 25-33.6 | 3940-6400 | 30.6-59.3 | 808-1160 | 1.58-3.98 | 228-638 |
| September | Median | 12.5 | 4560 | 19.9 | 835 | 1.47 | 453 |
| | Range | 12.5-37.2 | 1930-23300 | 10-22 | 320-3850 | 0.5-1.48 | 121-1330 |

MDL = method detection limit

TABLE 6-13
Median concentrations for total trace elements in the South Fork Koktuli drainage.
Location summary data from Seeps 001-04, 002-04, and 004-04.

| Month | | Parameters | | | | |
|---|---|---|---|---|---|---|
| | | **As µg/L** | **Cu µg/L** | **Pb µg/L** | **Mo µg/L** | **Zn µg/L** |
| | MDL | 0.25 | 0.062 | 0.1 | 0.31 | 0.47 |
| | MRL | 0.5 | 0.2 | 0.2 | 1 | 1.5 |
| May | Median | 0.25 | 0.499 | 0.1 | 0.5 | 0.75 |
| | Range | 0.25-0.25 | 0.231-0.508 | 0.1-0.1 | 0.366-0.5 | 0.75-2.12 |
| September | Median | 0.25 | 0.232 | 0.1 | 0.5 | 0.75 |
| | Range | 0.25-0.391 | 0.1-0.259 | 0.1-0.1 | 0.382-1.71 | 0.75-0.75 |

TABLE 6-14
Median concentrations for anions and physical parameters in the South Fork Koktuli drainage.
Location summary data from Seeps 001-04, 002-04, and 004-04.

| Month | | Parameters | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | **Alkalinity mg/L** | **Cl mg/L** | **F mg/L** | **Hardness mg/L** | **$NO_3$+$NO_2$ mg/L** | **Conductivity µmhos/cm** | **$SO_4$ mg/L** | **TDS mg/L** |
| | MDL | 3.1 | 0.031 | 0.031 | 0.5 | 0.31 | 0.477 | 0.031 | 3.1 |
| | MRL | 10 | 0.1 | 0.1 | 0.5 | 1 | 1 | 0.1 | 10 |
| May | Median | 12.5 | 0.661 | 0.1 | 16 | 0.5 | 36 | 3.39 | 33.8 |
| | Range | 12-29 | 0.555-0.699 | 0.05-0.126 | 13.2-20.8 | 0.039-0.5 | 33-60 | 1.7-4.88 | 25-62.5 |
| Sept. | Median | 16 | 0.796 | 0.05 | 14.8 | 0.57 | 80 | 1.34 | 55 |
| | Range | 9.75-70.3 | 0.757-0.909 | 0.05-0.063 | 6.13-74.1 | 0.57-0.79 | 25-180 | 0.685-22 | 30-121 |

TABLE 6-15
Median concentrations for field parameters in the South Fork Koktuli drainage.
Location summary data from Seeps 001-04, 002-04, and 004-04.

| Month | | Parameters | | | | | |
|---|---|---|---|---|---|---|---|
| | | **Temperature ° C** | **Conductivity mS/cm** | **DO mg/L** | **pH pH Units** | **ORP mV** | **Turbidity NTU** |
| May | Median | 9.17 | 0.09 | 7.33 | 5.45 | 4 | 0.5 |
| | Range | 6.58-15.29 | 0.08-0.1 | 7.24-7.83 | 5.43-6.45 | -61-19 | 0-3.1 |
| September | Median | 5.2 | 0.087 | 11.2 | 5.9 | 46 | 1.7 |
| | Range | 1.69-6.1 | 0.068-0.271 | 10.5-16.3 | 5.5-6.9 | 37-59 | 1.5-2 |

In the Upper Talarik drainage, three seep locations (005-04, 007-04, and 008-04) were sampled for all parameters in both May and September 2004. Seep 006-04 was sampled in May, but ran dry prior to the sampling event in September. An additional seep, 011-04, was sampled only in September. Median concentrations and ranges are provided for the three seeps sampled during both May and September in Tables 6-16 through 6-19. Only one seep was sampled in the North Fork Koktuli drainage. Seep 009-04 was sampled during both the May and September sampling events (Table 6-20).

TABLE 6-16
Median concentrations for total major ions in the Upper Talarik drainage.
Location summary data from Seeps 005-04, 007-04, and 008-04.

| Month | | Parameters | | | | | |
|---|---|---|---|---|---|---|---|
| | | **Al µg/L** | **Ca µg/L** | **Fe µg/L** | **Mg µg/L** | **Mn µg/L** | **K µg/L** |
| | MDL | 7.8 | 15 | 6.2 | 6.2 | 0.5 | 15 |
| | MRL | 25 | 50 | 20 | 20 | 1 | 50 |
| May | Median | 11 | 8500 | 63.5 | 1380 | 0.5 | 353 |
| | Range | 8.72-12.5 | 5900-11500 | 10-88.2 | 1010-2920 | 0.5-0.5 | 307-522 |
| September | Median | 12.5 | 8810 | 10 | 2040 | 0.5 | 391 |
| | Range | 12.5-12.5 | 8760-9680 | 10-91.8 | 1530-2880 | 0.5-0.5 | 387-535 |

TABLE 6-17
Median concentrations for total trace elements in the Upper Talarik drainage.
Location summary data from Seeps 005-04, 007-04, and 008-04.

| Month | | Parameters | | | | |
|---|---|---|---|---|---|---|
| | | **As µg/L** | **Cu µg/L** | **Pb µg/L** | **Mo µg/L** | **Zn µg/L** |
| | MDL | 0.25 | 0.062 | 0.1 | 0.31 | 0.47 |
| | MRL | 0.5 | 0.2 | 0.2 | 1 | 1.5 |
| May | Median | 0.25 | 0.1 | 0.1 | 0.5 | 0.75 |
| | Range | 0.25-0.509 | 0.1-0.1 | 0.1-0.1 | 0.315-0.5 | 0.75-0.75 |
| September | Median | 0.446 | 0.1 | 0.1 | 0.5 | 0.75 |
| | Range | 0.25-0.704 | 0.1-0.274 | 0.1-0.1 | 0.5-0.5 | 0.75-0.75 |

TABLE 6-18
Median concentrations for anions and physical parameters in the Upper Talarik drainage.
Location summary data from Seeps 005-04, 007-04, and 008-04.

| | | Parameters | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **Month** | | **Alkalinity mg/L** | **Cl mg/L** | **F mg/L** | **Hardness mg/L** | **$NO_3$+$NO_2$ mg/L** | **Conductivity µmhos/cm** | **$SO_4$ mg/L** | **TDS mg/L** |
| | MDL | 3.1 | 0.031 | 0.031 | 0.5 | 0.31 | 0.477 | 0.031 | 3.1 |
| | MRL | 10 | 0.1 | 0.1 | 0.5 | 1 | 1 | 0.1 | 10 |
| May | Median | 28 | 0.863 | 0.05 | 26.9 | 0.258 | 80 | 2.74 | 61.3 |
| | Range | 21-49 | 0.759-0.948 | 0.05-0.118 | 18.9-40.8 | 0.09-0.621 | 55-100 | 2.32-6.8 | 52.5-76.3 |
| Sept. | Median | 32.8 | 0.925 | 0.05 | 30.4 | 0.5 | 90 | 7.77 | 57.5 |
| | Range | 28.5-49.5 | 0.895-1.06 | 0.05-0.066 | 28.2-36 | 0.5-1.95 | 80-100 | 2.11-7.9 | 56.3-75 |

TABLE 6-19
Median concentrations for field parameters in the Upper Talarik drainage**.**
Location summary data from Seeps 005-04, 007-04, and 008-04.

| | | Parameters | | | | | |
|---|---|---|---|---|---|---|---|
| **Month** | | **Temperature ° C** | **Conductivity mS/cm** | **DO mg/L** | **pH pH Units** | **ORP mV** | **Turbidity NTU** |
| May | Median | 10.26 | 0.13 | 7.68 | 6.19 | -11 | 0.5 |
| | Range | 10.21-10.26 | 0.11-0.16 | 7.4-8.66 | 5.94-6.62 | -16-27 | 0-2.1 |
| September | Median | 7.36 | 0.217 | 11.9 | 6.5 | 53 | 0.5 |
| | Range | 1.57-8.51 | 0.17-0.256 | 10.6-13.8 | 6.4-6.6 | -22-57 | 0.1-1.2 |

DO = dissolved oxygen

mS = milliSiemens

mV = millivolt(s)

NTU = Nephelometric Turbidity Unit(s)

ORP = oxidation reduction potential

TABLE 6-20
Median concentrations for the North Fork Koktuli drainage.
Location data from Seep 009-04.

| Parameter | | Units | MDL | MRL | Month | |
|---|---|---|---|---|---|---|
| | | | | | May | September |
| Total Major Ions | Aluminum | µg/L | 7.8 | 25 | 58.4 | 35.1 (BQ1) |
| | Calcium | µg/L | 15 | 50 | 1190 | 2280 (J) |
| | Iron | µg/L | 6.2 | 20 | 34.2 | 68 |
| | Magnesium | µg/L | 6.2 | 20 | 136 | 316 |
| | Manganese | µg/L | 0.5 | 1 | 2.04 | 2.12 (J, BQ1) |
| | Potassium | µg/L | 15 | 50 | 55.7 | 170 |
| Total Trace Elements | Arsenic | µg/L | 0.25 | 0.5 | ND (0.25) | ND (0.25) |
| | Copper | µg/L | 0.06 | 0.2 | 0.24 (BQ1) | 0.287 (BQ1) |
| | Lead | µg/L | 0.1 | 0.2 | ND (0.1) | ND (0.1) |
| | Molybdenum | µg/L | 0.31 | 1 | ND (0.31) | ND (0.31) |
| | Zinc | µg/L | 0.47 | 1.5 | ND (1.5) | ND (0.47) |
| Anions and Physical Parameters | Alkalinity, Total | mg/L | 3.1 | 10 | 4 (J) | 11.5 |
| | Chloride | mg/L | 0.03 | 0.1 | 0.636 | 0.65 |
| | Fluoride | mg/L | 0.03 | 0.1 | ND (0.03) | 0.044 (J) |
| | Hardness as CaCO3 | mg/L | 0.5 | 0.5 | 3.53 | 6.99 |
| | Nitrogen, Nitrate-Nitrite | mg/L | 0.31 | 1 | R | 0.47 (J-) |
| | Specific Conductance | µmhos/cm | 0.48 | 1 | 15 | 30 |
| | Sulfate | mg/L | 0.03 | 0.1 | 0.714 | 0.656 |
| | Total Dissolved Solids | mg/L | 3.1 | 10 | 21.3 | 37.5 |
| Field Parameters | Dissolved Oxygen | mg/L | | | 8.76 | 10.4 |
| | ORP | mV | | | -65 | -21.5 |
| | pH | pH Units | | | 4.68 | 6 |
| | Conductivity | mS/cm | | | 0.12 | 0.094 |
| | Temperature | °C | | | 10.01 | 3.895 |
| | Turbidity | NTU | | | 4.5 | 1.55 |

BQ or BQ1 = result is associated with blank contamination at a level less than or equal to five times the concentration in the blank for contaminants below the MRL (ten times for contaminants above the MRL). Result should be considered not detected at the concentration of the MRL for those results reported below the MRL or as biased high for those reported above the MRL.

J= result is an estimated quantity, but the result may be biased low (J-).

R = data were rejected during quality assurance review.

ND = not detected; MRL in parentheses

***Total Major Ions in Seep—Aluminum, Calcium, Iron, Magnesium, Manganese, and Potassium***

Calcium, magnesium, and potassium concentrations at Seep 009-04 in the North Fork Koktuli drainage were lower than median concentrations at the seeps in the South Fork Koktuli and Upper Talarik drainages. Seeps in the Upper Talarik drainage had the highest median concentrations for calcium and magnesium and median concentrations for potassium similar to the South Fork Koktuli drainage. Median concentrations of aluminum and manganese were lowest at the seeps in the Upper Talarik drainage. Iron concentrations were within similar ranges for all three drainages.

Main stem locations in all three drainages had median manganese concentrations in surface water at least three times higher than median concentrations for the seeps. In both the South Fork and North Fork Koktuli drainages, median iron concentrations were also higher in the surface-water locations. Potassium and magnesium were three to ten times higher at the surface-water locations in the North Fork Koktuli drainage compared to concentrations at Seep 009-04.

***Total Trace Metals in Seeps—Arsenic, Copper, Molybdenum, Lead, and Zinc***

Seep median concentrations for all five trace metals were less than two times the reporting limit for both sampling events in May and September. Median concentrations for zinc were higher for surface-water sites in the main stem South Fork and North Fork Koktuli drainages than at the seep locations. In the South Fork Koktuli drainage, the median copper concentration for the main stem surface-water sites was two to three times higher than in the other drainages or at any of the seep locations.

***Anions and Physical Parameters in Seeps—Alkalinity, Hardness, Chloride, Fluoride, Nitrate+Nitrite, Conductivity, Sulfate, and Total Dissolved Solids***

Alkalinity, hardness, conductivity, and total dissolved solids all increased slightly from May to September at all seeps except those in the Upper Talarik drainage and also at the surface-water locations. Median concentrations for alkalinity and hardness were highest at seeps in the Upper Talarik drainage. These parameters were also slightly higher at the Upper Talarik surface-water sites compared to those in the South Fork and North Fork Koktuli drainages.

Fluoride, chloride, and nitrate concentrations were comparable at all the seeps. Sulfate concentrations tended to increase from May to September at the surface-water locations and were slightly higher than at the seeps in the North and South Fork Koktuli drainages. Median sulfate concentrations for seeps and surface-water locations in the Upper Talarik were similar.

***Field Parameters in Seeps—Temperature, Conductivity, Dissolved Oxygen, pH, ORP, and Turbidity***

Field parameter results at the seeps in the Upper Talarik, South Fork Koktuli, and North Fork Koktuli drainages were similar across sampling events for all parameters. Seep temperatures were higher during the May sampling event and decreased in September, which allowed the dissolved oxygen concentrations to increase. In comparison, the surface-water sites were colder and had higher dissolved oxygen concentrations during both sampling events. The seeps are slightly more acidic than the surface-water sites, ranging from 5.5 to 7 pH units. Seep 9 in the North Fork Koktuli drainage had an exceptionally low pH of 4.68 pH units during the May sampling event. The surface water pH concentrations ranged from

slightly acidic to slightly basic. Conductivity values at the seeps increased from May to September, except at Seep 9 in the North Fork Koktuli drainage, and were generally higher than at the surface-water sites.

***Paired Seep and Surface-water Locations—Seep 011-0 and UT146, and Seep 010-04 and SK119A***

Seep 011-04 is located approximately one mile upstream from surface-water monitoring location UT146A, and seep 010-04 is near SK119A. A comparison of September 2004 concentrations for several parameters from these paired locations is provided in Table 6-21. Several parameters were more than two times higher at the surface-water location compared to the seep: aluminum, iron, manganese, potassium, copper, and zinc. Sulfate concentrations were over two times higher at seep 011-04 compared to UT146A. In the South Fork Koktuli drainage, seep 010-04 had three parameters with concentrations over two times greater than those measured at SK119A: manganese, copper, and specific conductance.

TABLE 6-21
Concentrations for paired seeps and surface-water locations in the Upper Talarik and South Fork Koktuli drainages, September 2004.
Location summary data from seeps 010-04 and 011-04 and surface-water locations SK119 and UT146.

| | Parameter | Units | MDL | MRL | Seep 11 | UT146 | Seep 10 | SK119 |
|---|---|---|---|---|---|---|---|---|
| Major Ions | Aluminum | µg/L | 7.8 | 25 | ND (25) | 56.9 (BQ1) | ND (25) | 13.4 (BQ1, J) |
| | Calcium | µg/L | 15 | 50 | 11900 | 11100 | 3280 (J) | 5360 |
| | Iron | µg/L | 6.2 | 20 | 136 | 750 | 45.2 | 50.7 |
| | Magnesium | µg/L | 6.2 | 20 | 2000 | 3450 | 463 | 706 |
| | Manganese | µg/L | 0.5 | 1 | 1.92 (BQ1) | 135 | 13.1 (J) | 2.28 (BQ1) |
| | Potassium | µg/L | 15 | 50 | 418 | 947 | 181 | 155 |
| Trace Elements | Arsenic | µg/L | 0.25 | 0.5 | ND (0.25) | ND (0.25) | ND (0.25) | ND (0.25) |
| | Copper | µg/L | 0.06 | 0.2 | ND (0.2) | 0.92 (BQ1) | 0.453 (BQ1) | 0.222 (BQ1) |
| | Molybdenum | µg/L | 0.31 | 1 | ND (0.31) | ND (0.31) | ND (0.31) | 0.488 (J) |
| | Lead | µg/L | 0.1 | 0.2 | ND (0.1) | ND (0.1) | ND (0.1) | ND (0.1) |
| | Zinc | µg/L | 0.47 | 1.5 | ND (0.47) | 2.76 | ND (1.5) | 0.787 (BQ1,J) |

| | Parameter | Units | MDL | MRL | Seep 11 | UT146 | Seep 10 | SK119 |
|---|---|---|---|---|---|---|---|---|
| Other | Alkalinity, Total | mg/L | 3.1 | 10 | 43 | 32 | 14.5 | 20.5 |
| | Chloride | mg/L | 0.03 | 0.1 | 0.954 | 0.91 | 0.589 | 0.687 |
| | Fluoride | mg/L | 0.03 | 0.1 | 0.205 | 0.105 | 0.031 (J) | 0.042 (J) |
| | Hardness as CaCO3 | mg/L | 0.5 | 0.5 | 38.1 | 42 | 10.1 | 16.3 |
| | Nitrogen, Nitrate-Nitrite | mg/L | 0.31 | 1 | R | R | R | ND (0.31) |
| | Specific Conductance | µmhos/cm | 0.48 | 1 | 110 | 140 | 120 | 49 |
| | Sulfate | mg/L | 0.03 | 0.1 | 12.8 | 34 | 2.81 | 3.8 |
| | Total Dissolved Solids | mg/L | 3.1 | 10 | 76.3 | 105 | 33.8 | 50 |
| Field Parameters | Dissolved Oxygen | mg/L | | | 11 | 12 | 10.6 | 15.8 |
| | ORP | mV | | | 7 | 151 | -21 | 202 |
| | pH | pH Units | | | 7 | 7.5 | 5.9 | 7.4 |
| | Specific Conductance | mS/cm | | | 0.234 | 0.145 | 0.106 | 0.055 |
| | Temperature | ° C | | | 4.83 | 2.54 | 9.52 | 4.84 |
| | Turbidity | NTU | | | 1.7 | 3.2 | 0 | 1.6 |

BQ or BQ1 = result is associated with blank contamination at a level less than or equal to five times the concentration in the blank for contaminants below the MRL (ten times for contaminants above the MRL). Result should be considered not detected at the concentration of the MRL for those results reported below the MRL or as biased high for those reported above the MRL.

J= result is an estimated quantity, but the result may be biased low (J-).

R = data was rejected during quality assurance review.

ND = not detected; MRL in parentheses

### *Iron Results Comparison in Seeps—Hach Test Kits Versus Analytical Samples*

Hach DR890-series colorimeters were used during both field events to measure ferrous ($Fe^{2+}$) and total iron in 2004. These results are compared to the analytical results for dissolved and total iron at the same seep locations in Table 6-22. Ferrous iron is found in the dissolved form at all pH levels, and ferric iron ($Fe^{3+}$) is soluble at pH levels below 3.5. At the pH levels found in the seeps, it is assumed that ferrous iron would be the primary dissolved iron species. At five of the seep locations, ferrous iron concentrations were higher than the dissolved iron results. This is inconsistent with the fact that all ferrous iron should be in the dissolved form. Total iron results from the analytical samples and the Hach field-test kits were also not in agreement. At seven of the seep sampling sites, total iron results measured by the Hach test kit were below the reporting limit of 30 µg/L, and total iron analytical results were above the same threshold, indicating that the Hach kits were not measuring all of the iron species in solution. All pairs of total iron results were measured for the relative percent difference to determine the degree of precision between the two procedures. Only one set of total iron results had a relative percent difference less than 20 percent for sample results above the reporting limit.

TABLE 6-22
Comparison of total and dissolved iron concentrations using Hach field-test kits versus 2004 analytical results.

| Month | Seep | Dissolved Fe µg/L | Hach $Fe^{2+}$ µg/L | Total Fe µg/L | Hach Total Fe µg/L |
|---|---|---|---|---|---|
| May | 001-04 | 17.5 (J) | 60 | 30.6 | 61 |
| | 002-04 | 30.3 (J) | 80 | 47.5 | 11 |
| | 003-04 | 50.7 | 30 | 67.9 | 54 |
| | 004-04 | 26.9 | 60 | 59.3 | 24 |
| | 005-04 | ND (6.2) | 40 | ND (6.2) | ND (0) |
| | 006-04 | 58.5 | 40 | 124 | 39 |
| | 007-04 | 52.1 | ND (0) | 63.5 | 45 |
| | 008-04 | 63.4 | 10 | 88.2 | ND (0) |
| | 009-04 | 22.1 | 10 | 34.2 | 6 |
| September | 001-04 | ND (6.2) | 10 | ND (6.2) | ND (0) |
| | 002-04 | 7.0 | 10 | 19.9 | 90 |
| | 004-04 | ND (6.2) | ND (0) | 22 | 20 |
| | 005-04 | ND (6.2) | 20 | ND (6.2) | ND (0) |
| | 007-04 | ND (6.2) | ND (0) | ND (6.2) | 10 |
| | 008-04 | 97.5 | ND (0) | 91.8 | ND (0) |
| | 009-04 | 17.7 | ND (0) | 63.2 | 10 |
| | 010-04 | 9.82 (J) | ND (0) | 45.2 | ND |
| | 011-04 | ND (6.2) | ND (0) | 136 | ND |

J= result is an estimated quantity, but the result may be biased low (J-).

ND = not detected; MRL in parentheses

#### 6.2.6.12 Organic Chemistry

Six sites were sampled in August and October for organic constituents, including pesticides, volatile compounds, and semivolatile compounds: UT100A, UT100D, NK100A, NK100C, SK100A, and SK100G. The results for all parameters analyzed were below the MRL. A list of the organic constituents is presented in the 2004 QAPP (NDM, 2004a).

### 6.2.7 Summary and Recommendations

The study area, including the mineralized area and locations of the potential mine, mill, and tailings-disposal facilities, is drained by the north and south forks of the Koktuli River, Upper Talarik Creek, and tributaries of these waterbodies. The Kaskanak Creek watershed southwest of the study area was monitored to identify potential interbasin transfer from the South Fork of the Koktuli River. The baseline water-quality study provides information for surface-water systems on the North Fork and South Fork of the Koktuli River, Upper Talarik Creek, and Kaskanak Creek. Water quality and field parameters were

measured at 29 stations during monthly field visits between April and October 2004. Photographs of the stations are included in Appendix 6-G.

The 2004 data for surface-water quality at the mine-site study area, including pH, specific conductance, and trace and major metals, suggest that these streams are typical of river water that is currently not affected by contamination. Only a few parameters (for example, aluminum, and alkalinity) exceeded the ADEC aquatic-life criteria for fresh water.

The water-quality data collected in 2004 for several parameters showed variation in concentrations between high-flow conditions in the spring and low-flow conditions in July and August. Total and dissolved calcium and magnesium concentrations increased from April to August in all drainages as flow decreased. Other parameters for which the highest concentrations were reported during low-flow periods in July and August include specific conductance, sulfate, molybdenum, arsenic, and sodium. The increased values for these parameters during the low-flow periods possibly reflect contributions from groundwater. The highest sulfate values were measured at SK100G at 6.85 to 11.4 mg/L. The highest copper concentrations at the mine site were found in the South Fork Koktuli drainage, and within this drainage, the highest values were found at SK100G, which is the closest main stem location to the mineralized area.

Additional surface water-quality work that should be considered in 2005 includes expanding the seep inventory so that a much larger and more representative sampling of seeps for both flow and water quality is undertaken, especially in areas that will be changed by the project design. Sampling in February, November, and December should also be considered to provide a full year of flow and water-quality data from all the stations. The addition of sampling during these months will increase the likelihood of measuring winter base-flow conditions.

Two additional sites should be sampled in 2005. SK124A is the next drainage west of the footprint of the current mine development concept (MDC 25) and may be used as a diversion channel into the main stem of the South Fork of the Koktuli River. SK100B2 should be sampled because it is on a gaining reach where groundwater is upwelling, and with the increased water temperatures, this reach appears to provide an important fish habitat on the South Fork of the Koktuli River.

Recommendations on equipment changes in 2005 include using the DH-81 depth-integrated sampler instead of the DH-48 based on technical advice by the U.S. Geological Survey on the potential for metal contamination from the DH-48. The Hach field-test kit for measuring ferrous and total iron in seeps is not recommended, because total iron results from the analytical samples and the Hach field test kits were not in agreement. Replacement of the Quanta Hydrolabs with YSI 556 multiprobe meters and the Hach 2100p turbidimeter will improve the reliability of the measurements of field parameters in 2005.

## 6.3 Groundwater Chemistry—Road/Port

### 6.3.1 Introduction

This section presents the findings of the 2004 groundwater-quality studies for the Pebble Project road and port areas, which were conducted by Bristol Environmental & Engineering Services Corporation (BEESC).

### 6.3.2 Study Objectives

The objective of the groundwater-quality study for the road/port is to define the chemical characteristics of area groundwater used for drinking water. Establishment of this baseline and regular, ongoing monitoring will give local residents confidence that their health is being considered and protected. Information generated in this baseline study may be used in evaluating potential environmental impacts associated with project alternatives.

### 6.3.3 Study Area

The study area includes the preferred road corridor, as identified by the Alaska Department of Transportation and Public Facilities (DOT&PF), between the Newhalen River and Cook Inlet, including the area surrounding the port site (Figure 6-7). The corridor considered in developing the study program was presented in the *Draft Iliamna Regional Transportation Corridor Analysis* (PN&D, 2004). At the time the 2004 field studies were conducted, the port location and configuration of upland facilities had not been determined.

Within the study area are four villages: Iliamna, Newhalen, Nondalton, and Pedro Bay. Most of the population in the study area resides in these villages, with a few isolated, outlying, individual residences, most of which are occupied on a seasonal basis only.

### 6.3.4 Scope of Work

One drinking water well from each village identified in the study area was selected for groundwater sampling. In each community, a representative well was identified through discussions with local village corporations and governments. In each case, a well with high usage in the community was chosen. Wells currently included in the groundwater program are as follows (Figure 6-7):

- The Nondalton City Well.
- Newhalen Public Well #2.
- Iliamna Weathered Inn Well.
- The Pedro Bay Tribal Council Well.

Wells were sampled in July and October 2004. The long-term objective is to collect water samples from each well on a quarterly basis to establish a long-term record.

### 6.3.5 Methods

Field sampling was conducted by BEESC in accordance with the *Draft Environmental Baseline Studies, Proposed 2004 Study Plan* (NDM, 2004b). Quality assurance/quality control protocols followed procedures outlined in the *Draft Environmental Baseline Studies, Proposed 2004 Quality Assurance Plan* (NDM, 2004a).

Groundwater was tested in the field for dissolved oxygen, conductivity, pH, and turbidity. For each sample, water was poured directly into the sample containers from the tap after running the water for

several minutes. For the Nondalton and Newhalen wells, the water was sampled from the wellhead, prior to chlorination. Water from the Iliamna and Pedro Bay wells is not treated; water samples were collected from the tap at these locations.

Groundwater samples were analyzed for the laboratory parameters presented in Table 6-23.

Table 6-23
Summary of laboratory analyses for groundwater at the road/port

| Analyte | Methods |
|---|---|
| **Inorganics** | |
| pH | E150.1 |
| Conductivity | SM 20 2510B |
| Acidity | E305.2 |
| Alkalinity | SM20 2320B |
| Ammonia as Nitrogen | SM20 4500 |
| Chloride | E300.0 |
| Cyanide-total | SM20 4500CN |
| Cyanide-weak acid dissociable | SM20 4500 |
| Fluoride | E300.0 |
| Hardness | Calculated from calcium and magnesium |
| Nitrate + Nitrite | E300.0 |
| Phosphorus-total | E365.2 |
| Sulfate | E300.0 |
| Thiocyanate | Lab standard operating procedures |
| Total Dissolved Solids | SM20 2540C |
| Total Suspended Solids | E160.2 |
| **Metals** | |
| Hexavalent chromium[1] | SW7196A |
| Mercury (total and dissolved) | E245.1 |
| Metals[2] | E200.7/200.8 |

1. Analysis for hexavalent chromium will only be conducted if total chromium exceeds 11 micrograms per liter.
2. Al, Sb, As, Ba, Be, Bi, B, Ca, Cd, Co, Cr, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Si (dissolved only), Ag, Na, Tl, Sn, V, Zn. Water samples are analyzed for total and dissolved metals.

Two aliquots of the water samples collected from each well were submitted for laboratory analyses to quantify metals concentrations, an unfiltered aliquot for total metals and a filtered aliquot for dissolved metals. Samples were filtered within eight hours of collection using a peristaltic pump, silicon tubing, and a 0.45-micron, disposable, high-capacity groundwater filter capsule.

### 6.3.6 Results and Discussion

Validated analytical data from the July and October 2004 sampling events are presented in Tables 6-24 through 6-27 (following Table 6-8 at end of report). Analytical results were compared to criteria from the

primary and secondary maximum contaminant levels for drinking water in ADEC's Alaska Water Quality Criteria Manual (ADEC, 2003).

For those parameters that had established criteria, no metals concentrations exceeded ADEC-established drinking-water criteria. Only one inorganic parameter was exceeded; the water sample from the Newhalen well had pH values which exceeded the ADEC maximum of 8.5 in both sampling events. Additional sampling events will be necessary to develop a longer period of record to determine if the concentrations observed are representative of each well and to evaluate potential seasonal variability in water quality from these wells.

Field turbidity values recorded at the time of sample collection often indicated turbidity values above ADEC drinking-water standards; however, these results are not consistent with routine water-system monitoring conducted by the operators. Considering the elevated values indicated by the field instruments, turbidity values recorded are not considered reliable. The field instrument has been replaced for the 2005 sampling season.

### 6.3.7 Summary

Groundwater samples were collected from existing water-supply wells in Iliamna, Newhalen, Nondalton, and Pedro Bay in July and October 2004. Analytical results indicated that metals concentrations did not exceed ADEC criteria in any samples. The water sample from the Newhalen well exceeded the ADEC maximum pH limit of 8.5 in both sampling events.

## 6.4 Surface-water Chemistry—Road/Port

### 6.4.1 Introduction

This section presents the findings of the 2004 surface water-quality studies for the Pebble Project road/port areas, which were conducted by BEESC.

### 6.4.2 Study Objectives

The objective of the surface water-quality studies for the road/port is to define the chemical characteristics of fresh-water surface streams that could be potentially impacted by development of the future road and port facilities. The baseline data will be used to monitor potential impacts associated with the following:

- Construction, operation, and maintenance of road and port facilities.
- Transportation of concentrate along the road.
- Handling of concentrates and materials at the port site.

Information generated in this baseline study will be used in evaluating potential environmental impacts associated with project alternatives.

### 6.4.3 Study Area

The study area includes the preferred road corridor, as identified by DOT&PF, between the Newhalen River and Cook Inlet, including the area surrounding the port site (Figure 6-8). The corridor considered in developing the study program was presented in the *Draft Iliamna Regional Transportation Corridor Analysis* (PN&D, 2004). At the time the 2004 field studies were conducted, the port location and configuration of upland facilities had not been determined.

### 6.4.4 Scope of Work

The 2004 field study was conducted by BEESC according to the approach described in the *Draft Environmental Baseline Studies, Proposed 2004 Study Plan* (NDM, 2004b). In 2004, 16 water-quality sampling stations were established on stream crossings along the road corridor (Figure 6-8). Fresh-water streams along the road corridors which are listed in the State of Alaska's Title 41 anadromous stream catalog were targeted for sampling. Sample locations were determined in coordination with the fish studies program. Water-quality sampling locations also were co-located with monitoring stations used for the hydrology study to allow correlation of flow conditions to water-quality observations. Work conducted in 2004 consisted of the following:

- Establish 13 stations and collect surface-water samples from 12 locations in July 2004 (Station GS-7a was dry).
- Establish two additional stations and collect surface-water samples from 14 locations in August 2004 (Station GS-7a was dry).
- Establish one additional station along an unnamed stream near Pile Bay identified in the fish studies conducted by HDR, Inc., as a trout stream. Collect surface-water samples from 15 locations in September 2004 (Station GS-7a was dry).
- Collect surface-water samples from 16 locations in October 2004.

### 6.4.5 Methods

Field sampling was conducted in accordance with the 2004 study plan (NDM, 2004b). QA/QC protocols followed procedures outlined in the 2004 QAPP (NDM, 2004a). BEESC coordinated closely with CH2M Hill, the water-quality sampling consultant for the mine site at the time, to ensure that the procedures followed along the road corridor were the same as those used in the mine study area.

Surface-water samples were analyzed for the analytes listed in Table 6-28.

Table 6-28
Summary of laboratory analyses, surface water, road/port

| Analyte | Methods |
|---|---|
| **Inorganics** | |
| pH | E150.1 |
| Conductivity | SM 20 2510B |
| Acidity | E305.2 |
| Alkalinity | SM20 2320B |
| Ammonia as Nitrogen | SM20 4500 |
| Chloride | E300.0 |
| Cyanide-total | SM20 4500CN |
| Cyanide-weak acid dissociable | SM20 4500 |
| Fluoride | E300.0 |
| Hardness | Calculated from calcium and magnesium |
| Nitrate + Nitrite | E300.0 |
| Phosphorus-total | E365.2 |
| Sulfate | E300.0 |
| Thiocyanate | Lab standard operating procedure |
| Total Dissolved Solids | SM20 2540C |
| Total Suspended Solids | E160.2 |
| **Metals** | |
| Low level mercury | E1631 |
| Metals[1] | E200.7/200.8 |
| **Organics** | |
| Pesticides | SW8081 |
| Volatile Organic Compounds | SW8260B |
| Semivolatile Organic Compounds | SW82670C |

1. Al, Sb, As, Ba, Be, Bi, B, Ca, Cd, Co, Cr, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Si (dissolved only), Ag, Na, Tl, Sn, V, Zn. Water samples are analyzed for total and dissolved metals.

Surface-water parameters measured in the field included dissolved oxygen, conductivity, pH, temperature, and turbidity. Water was collected from the center of the stream into a cup, and field parameters were immediately measured using a Horiba Model U-10 Water Quality Checker. Field-parameter measurements were recorded in the log book or on data sheets.

Samples for laboratory analysis were collected at each sampling location as a composite sample using a DH-48 sampler in accordance with USGS methods (FISP, nd; USGS, nd). Surface water was collected at approximately 10 locations across the width of the stream and mixed in a clean bucket to ensure a uniform composite sample. Once the bucket was full, water was transferred from the bucket into sample containers provided by the project laboratory, using a plastic measuring cup. Samples were kept cool with gel-ice until transferred to the field processing site in Iliamna.

Duplicate aliquots were collected at each sample location to allow for metals analyses on both unfiltered and filtered samples to determine total and dissolved metals concentrations, respectively. Aliqouts intended for dissolved metals analyses were filtered at the field processing site within eight hours of collection using a 0.45-micron filter.

At each location, one discrete sample was collected for low-level mercury analysis. The discrete samples were collected by submerging the sample bottle directly into the stream.

During the October 2004 sampling event, samples were collected at three stations, selected randomly, for analysis for volatile organic compounds, semivolatile organic compounds, and pesticides. The volatile-organics samples were collected as grab samples directly from the streams. Semivolatile-organics and pesticide samples were collected as composite samples using the DH-48 sampler method described above.

The bucket and measuring cup used were washed with an Alconox detergent and water solution and rinsed with deionized water after sampling at each station. This equipment was then rinsed with water from the target stream prior to commencement of sampling.

### 6.4.6 Results and Discussion

Validated analytical data for surface-water samples collected during the four sampling events conducted in 2004 are presented in Appendix 6-H. Analytical results were compared to the State of Alaska criteria for fresh water use for growth and propagation of fish, shellfish, other aquatic life, and wildlife (Alaska Administrative Code 18AAC70 - Water Quality Standards; ADEC, 2003b) and from the Alaska Department of Environmental Conservation (ADEC) Water Quality Criteria Manual for fresh water aquatic life, chronic exposure (ADEC, 2003a). Within these standards are maximum limits for many of the metals and other inorganic compounds included in the analytical suite. It should be noted that for some compounds, the regulatory criteria are variable, depending on other characteristics of the water. Regulatory criteria for cadmium, chromium III, copper, lead, nickel, and zinc are hardness-dependent; ammonia is pH-dependent. For these compounds, ranges are indicated for the ADEC criteria on tables in Appendix 6-H which represent hardness ranges between 25 mg/L and 400 mg/L as calcium carbonate ($CaCO_3$).

Table 6-29 summarizes the naturally occurring exceedance to ADEC criteria for fresh water aquatic life. Total aluminum concentrations exceeded the ADEC criterion of 85 micrograms per liter [µg/L])at 9 of the 16 stations sampled along the road corridor. Streams in the area west of Pedro Bay (Stations GS6a, GS7A, GS8A and GS11A) were the only streams which did not have samples where the total aluminum criterion was exceeded. Because natural conditions exist that exceed existing criteria for Aluminum, a site specific criteria ( 18AAC 70.235) that better reflects natural conditions may be warranted in the future.

The ADEC criterion for alkalinity (20 milligrams per liter [mg/L]) was exceeded in 7 of the 16 streams sampled. Stations exceeding the alkalinity criteria were generally on the western half of the road corridor with the exception of station GS6A. Hardness was higher at these stations as well, typically between 20 mg/L and 30 mg/L, while hardness at the other stations was often measured as less than 10 mg/L $CaCO_3$.

In two areas, streams carried elevated concentrations of selected total metals; the area tributary to the eastern end of Iliamna Lake (Stations GS6A, GS4A and GS3A) and the Chekok Creek area. In general all elevated metals concentrations were related to total concentrations, rather than dissolved fractions. Only

the Pile River exhibited elevated concentrations of copper. No other metals which are expected to be found in the ore concentrate were observed.

Hardness was generally low in all water samples. The low hardness and propensity for elevated metals concentration in the total but not dissolved forms would indicate the metals loadings are related to suspended particulates in the streams.

Water samples were collected between late July and early October. July and August 2004 were very dry months, with higher flows observed in the eastern streams in the September and October events, and western streams in the October event only. In general, metals concentrations did not appear to be flow-dependent. Identification of significant trends was difficult as many of the variations in concentration were within the variability of concentrations observed in duplicate and triplicate samples. Consequently, there does not appear to be any strong, obvious seasonal trends in water characteristics from the data available to date.

TABLE 6-29
Summary of naturally occurring exceedances to ADEC fresh-water aquatic-life water-quality standards

| Station | Location | Sampling Events | Exceedances[1] |
|---|---|---|---|
| NHRIV | Newhalen River | 4 | Aluminum $_{(T)}$ (4/4), Alkalinity$_{(T)}$(4/4) |
| GS21 | Unnamed Creek (Y Valley) | 3 | Aluminum$_{(T)}$ (2/3), Iron$_{(T)}$(2/3) |
| GS20 | Lower Roadhouse Creek | 4 | Aluminum$_{(T)}$ (1/4), Alkalinity$_{(T)}$ (3/4) |
| GS20A | Upper Roadhouse Creek | 4 | Aluminum$_{(T)}$ (1/4), Alkalinity$_{(T)}$ (3/4) |
| GS18A | No-Name Creek (Eagle Bay) | 4 | Aluminum$_{(T)}$ (2/4) |
| GS17A | No-Name Creek (West Fork of Eagle Bay Creek) | 4 | Alkalinity$_{(T)}$(4/4) |
| GS14A | No-Name Creek (East Fork Chekok Bay Trib.) | 4 | Aluminum$_{(T)}$ (2/4), Alkalinity$_{(T)}$(3/4), Cadmium$_{(T)}$ (1/4), Iron$_{(T)}$ (1/4), Lead$_{(T)}$ (2/4) |
| GS14B | No-Name Creek (West Fork Chekok Bay Trib.) | 4 | Aluminum $_{(T)}$ (2/4), Alkalinity$_{(T)}$(4/4) |
| GS12A | Chekok Creek | 4 | Aluminum $_{(T)}$ (1/4), Lead$_{(T)}$ (1/4), Lead$_{(D)}$ (1/4) |
| GS11A | Canyon Creek | 4 | None |
| GS8A | Knutson Creek | 4 | None |
| GS7A | No Name Creek | 1 | None |
| GS6A | No Name Creek (Dumbell Lake) | 4 | Alkalinity$_{(T)}$ (2/4), Cadmium$_{(T)}$ (1/4) |
| GS4A | Pile River | 4 | Aluminum $_{(T)}$ (3/4), Lead$_{(T)}$ (1/4), Copper$_{(T)}$ (4/4) |
| GS4B | Long Lake Creek | 2 | Aluminum $_{(T)}$ (1/2) |
| GS3A | Iliamna River (USGS Gauge 15300300) | 3 | Aluminum $_{(T)}$ (1/3), Lead$_{(T)}$ (1/3) |

1. Compounds are identified as dissolved $_{(D)}$ or total $_{(T)}$ concentrations. The number of exceedances as a fraction of the total sample events for the station is also presented.

BEESC will coordinate with HDR Inc. to determine how all the surface water-quality data for the mine and road/port will be evaluated, in terms of appropriate regulatory standards for comparison, trend analysis, graphical representations, and statistical methods.

## 6.5 References

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# OVERSIZED TABLES

Table 6-3, Analysis results for major anions and physical parameters

Table 6-5, Analysis results for dissolved trace metals

Table 6-8, Ratio of dissolved metal result to lowest criteria

Table 6-24, 2004 Validated Groundwater Analytical Results, Nondalton City Well

Table 6-25, 2004 Validated Groundwater Analytical Results, Newhalen Public Well #2

Table 6-26, 2004 Validated Groundwater Analytical Results, Weathered Inn Well, Iliamna

Table 6-27, 2004 Validated Groundwater Analytical Results, Pedro Bay Tribal Council Well

## Table 6-3, Analysis Results for Major Anions and Physical Parameters

| Well ID[b] | | Sample Month | Acidity, Total[a] | Alkalinity, Total[a] | Chloride[a] | Cyanide[a] | Cyanide, Weak Acid Dissociable[a] | Fluoride[a] | Hardness as CaCO3[a] | Nitrogen, Ammonia (as N)[a] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
| MW1 | D | Sep-04 | 3.5 (J) | 18 | 0.769 (J-) | ND (0.005) | ND (0.005) | 0.103 (BQ,J) | 20.4 | ND (0.1) |
| | | Oct-04 | 4.8 (J) | 8 (J) | 1.11 | ND (0.005) | ND (0.005) | ND (0.1) | 20.8 | ND (0.1) |
| | M | Sep-04 | ND (10) | 17.5 | 0.867 (J-) | 0.0027 (J) | ND (0.005) | 0.097 (BQ,J) | 20.2 | ND (0.1) |
| | | Oct-04 | ND (10) | 20 | 0.922 | ND (0.005) | 0.0028 (J) | ND (0.1) | 20.1 | ND (0.1) |
| | S | Sep-04 | 3.5 (J) | 5.5 (J) | 0.89 | 0.0026 (J) | ND (0.005) | ND (0.1) | 5.54 | ND (0.1) |
| | | Oct-04 | 6 (J) | 5 (J) | 0.441 | 0.0045 (J) | ND (0.005) | ND (0.1) | 5.1 | ND (0.1) |
| MW2 | D | Sep-04 | ND (10) | 20.5 | 0.833 | ND (0.005) | ND (0.005) | 0.047 (J) | 20.6 | ND (0.1) |
| | | Oct-04 | ND (10) | 25 | 0.873 | ND (0.005) | ND (0.005) | ND (0.1) | 222 | 0.031 (J) |
| MW5 | D | Sep-04 | ND (10) | 79.5 | 0.983 | 0.0038 (J) | ND (0.005) | 0.416 | 77.3 | 0.054 (BQ,J) |
| | | Oct-04 | ND (10) | 72 | 0.99 (J-) | 0.005 | ND (0.005) | 0.219 (J-) | 79.9 | ND (0.1) |
| | M | Sep-04 | ND (10) | 106 | 0.884 | ND (0.005) | ND (0.005) | 0.251 | 112 | 0.039 (J) |
| | | Oct-04 | ND (10) | 110 | 1.02 (J-) | ND (0.005) | 0.0035 (J) | 0.172 (J-) | 93.4 | ND (0.1) |
| | S | Sep-04 | 12.4 | 82 | 1.09 | ND (0.005) | ND (0.005) | 0.159 | 71.9 | ND (0.1) |
| | | Oct-04 | 10.8 | 65 | 1.14 (J-) | 0.003 (J) | 0.004 (J) | 0.043 (J-) | 57.3 | ND (0.1) |
| MW6 | D | Sep-04 | 4.2 (J) | 18 | 0.665 | 0.0027 (J) | ND (0.005) | 0.13 | 16.1 | ND (0.1) |
| | | Oct-04 | ND (10) | 20 | 0.865 | ND (0.005) | ND (0.005) | ND (0.1) | 17.2 | ND (0.1) |
| MW7 | D | Sep-04 | 3.8 (J) | 20 | 0.805 | ND (0.005) | 0.0027 (J) | 0.104 | 13.8 | ND (0.1) |
| | | Oct-04 | 7 (J) | 20 | 0.849 | ND (0.005) | ND (0.005) | ND (0.1) | 13.9 | ND (0.1) |
| | S | Sep-04 | ND (10) | 18 | 1.05 | 0.003 (J) | ND (0.005) | 0.072 (J) | 13.8 | ND (0.1) |
| | | Oct-04 | 6.8 (J) | 16 | 0.778 | ND (0.005) | ND (0.005) | ND (0.1) | 11.7 | ND (0.1) |
| MW8 | D | Sep-04 | ND (10) | 52 | 0.722 | ND (0.005) | ND (0.005) | 0.05 (J) | 37.9 | ND (0.1) |
| | | Oct-04 | ND (10) | 51 | 0.689 | 0.0028 (J) | ND (0.005) | ND (0.1) | 40.8 | ND (0.1) |
| | M | Sep-04 | 5.6 (J) | 32 | 0.794 | ND (0.005) | ND (0.005) | 0.144 | 22.2 | ND (0.1) |
| | | Oct-04 | 11.2 | 29.5 | 0.759 (J-) | ND (0.005) | 0.003 (J) | ND (0.1) | 20.5 | ND (0.1) |
| | S | Sep-04 | 3.4 (J) | 20 | 0.687 | 0.0027 (J) | ND (0.005) | 0.127 | 14.5 | ND (0.1) |
| | | Oct-04 | 6 (J) | 22 | 0.7 (J-) | ND (0.005) | 0.0027 (J) | ND (0.1) | 15.3 | ND (0.1) |
| MW9 | D | Sep-04 | 5.8 (J) | 22.5 | 0.722 | ND (0.005) | ND (0.005) | ND (0.2) | 14 | ND (0.1) |
| | | Oct-04 | 9.8 (J) | 16 | 0.781 | ND (0.005) | 0.0027 (J) | ND (0.1) | 12.5 | ND (0.1) |
| MW10 | | Oct-04 | 7 (J) | 20 | 0.841 | ND (0.005) | ND (0.005) | ND (0.1) | 17.1 | ND (0.1) |
| MW11 | D | Oct-04 | 9.5 (J) | 16.5 | 1.04 | ND (0.005) | ND (0.005) | ND (0.1) | 18.8 | ND (0.1) |
| | M | Oct-04 | 12 | 5 (J) | 0.84 | 0.003 (J) | ND (0.005) | ND (0.1) | 15.5 | ND (0.1) |
| | S | Oct-04 | 8.8 (J) | 16 | 0.927 | ND (0.005) | ND (0.005) | ND (0.1) | 19 | ND (0.1) |
| KP-P3 | D | Sep-04 | 4.5 (J) | 8.25 (J) | 0.886 | 0.003 (J) | ND (0.005) | 0.043 (J) | 15.4 | ND (0.1) |
| /SRK-5 | M | Sep-04 | 3.5 (J) | 26.5 | 1.1 | ND (0.005) | ND (0.005) | 0.119 | 33.6 | 0.054 (BQ,J) |
| | | Oct-04 | 10 | 29 | 1.03 | ND (0.005) | ND (0.005) | ND (0.1) | 29.7 | ND (0.1) |
| | S | Sep-04 | 4.5 (J) | 6.75 (J) | 1.19 | ND (0.005) | ND (0.005) | ND (0.1) | 9.09 | ND (0.1) |
| | | Oct-04 | 3.5 (J) | 5 (J) | 0.974 | ND (0.005) | 0.0027 (J) | ND (0.1) | 5.66 | ND (0.1) |

Notes:

BQ. The result is associated with inorganic method-blank contamination at a level less than or equal to five times the concentration in the blank for contaminants below the MRL (ten times for contaminants above the MRL). Result should be considered not detected at the concentration of the MRL for those results reported below the MRL or as biased high for those reported above the MRL.

BQ1. The result is associated with inorganic field-blank (equipment blank, DI water blank, or trip blank) contamination at a level less than or equal to five times the concentration in the blank for contaminants below the MRL (ten times for contaminants above the MRL). Result should be considered not detected at the concentration of the MRL for those results reported below the MRL or as biased high for the reported above the MRL.

BQ2. The result is associated with organic method-blank contamination at a level less than or equal to five times the concentration in the blank (ten times for common laboratory contaminants. Result should be considered not detected at the concentration of the MRL or sample result, whichever is greater.

a. See notes on Pages 1 and 2 regarding the flags associated with the analytical results.

b. "D"=deep screen, "M"=medium screen, "S"=shallow screen.

## Table 6-3, Analysis Results for Major Anions and Physical Parameters

| Well ID[b] | | Sample Month | Nitrogen, Nitrate-Nitrite[a] | pH[a] | Phosphorus, Total (as P)[a] | Specific Conductance[a] | Thiocyanate[a] | Total Dissolved Solids[a] | Total Suspended Solids[a] |
|---|---|---|---|---|---|---|---|---|---|
| | | | mg/L | pH units | mg/L | umhos/cm | mg/L | mg/L | mg/L |
| MW1 | D | Sep-04 | ND (1) | 6.38 | 0.05 (J) | 60 | 0.35 | 82.5 | 1.68 |
| | | Oct-04 | ND (1) | 6.67 | ND (0.1) | 60 | 0.17 (J) | 51.3 | 1.2 |
| | M | Sep-04 | 1.3 (J-) | 7.45 | ND (0.1) | 60 | 0.14 | 52.5 | 0.632 |
| | | Oct-04 | 0.33 (J) | 6.71 | 0.05 (J) | 60 | 0.21 (J) | 41.3 | 5 |
| | S | Sep-04 | ND (1) | 6.65 | ND (0.1) | 20 | 0.57 | 55 | 3.05 |
| | | Oct-04 | ND (1) | 6.35 | 0.07 (J) | 17 | 0.24 (J) | 20 (BQ,J) | 4.2 |
| MW2 | D | Sep-04 | 0.77 (J) | 8.08 | ND (0.1) | 60 | 0.63 | 58.8 | 0.2 (J) |
| | | Oct-04 | ND (1) | 8.16 | 0.07 (J) | 60 | 0.21 (J) | 26.3 (BQ) | 2.7 |
| MW5 | D | Sep-04 | 4.25 (J-) | 9.79 | 0.33 | 260 | 0.21 | 201 | 4.21 |
| | | Oct-04 | ND (1) | 9.07 | 0.41 | 255 | 0.37 (J) | 154 | 2.81 |
| | M | Sep-04 | 0.53 (J) | 8.2 | 0.07 (J) | 270 | 0.26 | 201 | 0.6 (J) |
| | | Oct-04 | ND (1) | 8.07 | 0.06 (J) | 270 | ND (1) | 170 | ND (0.5) |
| | S | Sep-04 | 0.62 (J) | 7.38 | ND (0.1) | 170 | 0.57 | 109 | 13.4 (J) |
| | | Oct-04 | ND (1) | 7.2 | 0.06 (J) | 125 | 0.17 (J) | 61.3 | 17.6 |
| MW6 | D | Sep-04 | ND (1) | 7.29 | ND (0.1) | 55 | 0.61 | 38.8 | 1.4 (J) |
| | | Oct-04 | ND (1) | 6.63 | ND (0.1) | 50 | 0.15 (J) | 46.3 | ND (0.5) |
| MW7 | D | Sep-04 | ND (1) | 7.12 | 0.11 | 42 | ND (1) | 50 | 6.9 |
| | | Oct-04 | ND (1) | 6.84 | 0.09 (J) | 43 | ND (1) | 50 | ND (0.5) |
| | S | Sep-04 | 0.61 (J-) | 7.61 | 0.06 (J) | 40 | 0.28 | 63.8 | 3.89 |
| | | Oct-04 | 0.86 (J) | 6.72 | 0.05 (J) | 36 | 0.21 (J) | 40 | 0.4 (J) |
| MW8 | D | Sep-04 | ND (1) | 8 | ND (0.1) | 100 | ND (1) | 78.8 | 0.722 |
| | | Oct-04 | 2.43 | 7.74 | 0.07 (J) | 120 | 0.06 (J) | 67.5 | ND (0.5) |
| | M | Sep-04 | ND (1) | 7.3 | 0.07 (J) | 60 | 0.2 | 52.5 | ND (0.5) |
| | | Oct-04 | ND (1) | 6.66 | ND (0.1) | 65 | ND (1) | 18.8 (BQ) | ND (0.5) |
| | S | Sep-04 | ND (1) | 6.92 | ND (0.1) | 38 | ND (1) | 42.5 | ND (0.5) |
| | | Oct-04 | ND (1) | 6.86 | ND (0.1) | 50 | ND (1) | 25 (BQ) | 0.3 (J) |
| MW9 | D | Sep-04 | ND (1) | 6.89 | 0.06 (J) | 42 | ND (1) | 55 | ND (0.5) |
| | | Oct-04 | ND (1) | 6.66 | 0.05 (J) | 39 | 0.12 (J) | 53.8 | 0.2 (J) |
| MW10 | | Oct-04 | ND (1) | 6.63 | ND (0.1) | 60 | ND (1) | 42.5 | 0.2 (J) |
| MW11 | D | Oct-04 | ND (1) | 6.17 | 0.04 (J) | 60 | 0.14 (J) | 32.5 (J-) | 0.316 (J) |
| | M | Oct-04 | ND (1) | 6.29 | ND (0.1) | 44 | 0.15 (J) | 37.5 (BQ) | ND (0.5) |
| | S | Oct-04 | ND (1) | 6.86 | 0.05 (J) | 55 | 0.16 (J) | 16.3 (BQ,J-) | 3.89 |
| KP-P3 | D | Sep-04 | 0.47 (J-) | 6.83 | 0.11 | 60 | 0.15 | 63.8 | 5.26 |
| /SRK-5 | M | Sep-04 | ND (1) | 6.55 | 0.06 (J) | 90 | 0.17 | 78.8 | 0.947 |
| | | Oct-04 | 0.55 (J) | 6.62 | ND (0.1) | 95 | ND (1) | 62.5 | ND (0.5) |
| | S | Sep-04 | ND (1) | 6.51 | ND (0.1) | 32 | 0.14 | 57.5 | 2.32 |
| | | Oct-04 | 0.51 (J) | 6.23 | ND (0.1) | 24 | ND (1) | 27.5 | 2.05 |

Notes:

BQ3. The result is associated with organic field-blank (equipment blank, DI water blank or trip blank) contamination at a level less than or equal to five times the concentration in the blank (ten times for common laboratory contaminants). Result should be considered not detected at the concentration of the MRL or sample result, whichever is greater.

J. The result is an estimated quantity.

J+. The result is an estimated quantity, but the result may be biased high.

J-. The result is an estimated quantity, but the result may be biased low.

N/A. Sample was not analyzed for the analyte.

ND (0.2). Not detected at detection limit shown in brackets.

R. The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present.

UJ. The analyte was analyzed, but was not detected above the level of the reported sample quantitation limit. The MRL is an estimate.

a. See notes on Pages 1 and 2 regarding the flags associated with the analytical results.

b. "D"=deep screen, "M"=medium screen, "S"=shallow screen.

**Table 6-5. Analysis Results for Dissolved Trace Metals**
Pebble Project
Northern Dynasty Mines

| Well ID[b] | | Sample Month | Aluminum[a] | Antimony[a] | Arsenic[a] | Barium[a] | Beryllium[a] | Bismuth[a] | Boron[a] | Cadmium[a] | Calcium[a] | Chromium[a] | Cobalt[a] | Copper[a] | Iron[a] | Lead[a] | Magnesium[a] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L |
| MW1 | D | Sep-04 | 16 (BQ,J) | ND (0.2) | 0.279 (J) | 1.39 | ND (0.03) | ND (5) | 5.4 (J) | ND (0.1) | 6920 | 0.125 (J) | 0.274 (J) | 0.202 | ND (20) | ND (0.2) | 1110 |
| | | Oct-04 | 17.1 (BQ,BQ1,J) | ND (0.2) | ND (0.5) | 1.58 | ND (0.03) | ND (5) | ND (10) | ND (0.1) | 6550 | ND (0.2) | ND (0.1) | 0.308 (BQ1) | ND (20) | ND (0.2) | 1040 |
| | M | Sep-04 | ND (25) | ND (0.2) | ND (0.5) | 1.34 | ND (0.03) | ND (5) | 4.1 (J) | 0.0434 (J) | 6780 | 0.421 | 0.214 (J) | 0.129 (J) | ND (20) | ND (0.2) | 874 |
| | | Oct-04 | ND (25) | ND (0.2) | ND (0.5) | 1.59 | 0.0242 (J) | ND (5) | ND (10) | 0.0492 (J) | 6540 | ND (0.2) | 0.105 (BQ1) | 0.275 (BQ1) | ND (20) | 0.161 (J) | 846 |
| | S | Sep-04 | 8.54 (BQ,J) | ND (0.2) | ND (0.5) | 2.1 | ND (0.03) | ND (5) | 3.5 (J) | ND (0.1) | 1700 | 0.546 | 0.23 (J) | 0.201 | ND (20) | ND (0.2) | 324 |
| | | Oct-04 | 20 (BQ1,J) | ND (0.2) | ND (0.5) | 2.44 | 0.0167 (J) | ND (5) | ND (10) | 0.136 | 1320 (BQ1) | ND (0.2) | 0.167 (BQ1) | 0.158 (BQ1,J) | ND (20) | ND (0.2) | 268 |
| MW2 | D | Sep-04 | 14.2 (BQ,BQ1,J) | 0.203 | 4.69 | 1.47 (BQ1) | ND (0.03) | ND (5) | ND (10) | ND (0.1) | 6950 | 4.39 | 0.0787 (BQ1,J) | 0.177 (BQ1,J) | 18.2 (BQ1,J) | ND (0.2) | 507 |
| | | Oct-04 | 16.3 (BQ,BQ1,J) | 0.119 (J) | 4.54 (BQ1) | 1.44 | ND (0.03) | ND (5) | ND (10) | ND (0.1) | 7790 | 0.243 | 0.0497 (BQ1,J) | 0.224 (BQ1) | ND (20) | ND (0.2) | 568 |
| MW5 | D | Sep-04 | 29.2 (BQ) | 0.851 | 2.82 | 10.6 | ND (0.03) | ND (5) | 7.2 (J) | 0.0352 (J) | 21600 | 0.265 (BQ) | 0.522 | 0.608 | 121 | 0.185 (J) | 4650 |
| | | Oct-04 | 24.2 (BQ,BQ1,J) | 0.769 | 2.66 (BQ1) | 12.1 | ND (0.03) | ND (5) | ND (10) | ND (0.1) | 23100 | ND (0.2) | 0.569 (BQ1) | 0.552 (BQ1) | 416 | 0.115 (J) | 6120 |
| | M | Sep-04 | 7.9 (BQ,BQ1,J) | 0.0832 (J) | 2.61 | 41.7 | ND (0.03) | ND (5) | ND (10) | ND (0.1) | 30600 | 0.101 (BQ1,J) | 0.117 (BQ1) | 0.483 (BQ1) | 7.1 (BQ1,J) | ND (0.2) | 9630 |
| | | Oct-04 | 9.16 (BQ,BQ1,J) | ND (0.2) | 2.44 (BQ1) | 42 | ND (0.03) | ND (5) | ND (10) | ND (0.1) | 32800 (J) | 0.115 (J) | 0.0784 (BQ1,J) | 0.363 (BQ1) | ND (20) | ND (0.2) | 10300 (J) |
| | S | Sep-04 | 13.2 (BQ,BQ1,J) | ND (0.2) | 4.19 | 18 | ND (0.03) | ND (5) | ND (10) | 0.0332 (J) | 23000 | 2.05 (BQ1) | 0.692 (BQ1) | 0.326 (BQ1) | 1040 | ND (0.2) | 3550 |
| | | Oct-04 | 8.34 (BQ,BQ1,J) | ND (0.2) | 0.988 (BQ1) | 9.31 | ND (0.03) | ND (5) | ND (10) | 0.0362 (J) | 16600 | 1.25 | 0.277 (BQ1) | 0.296 (BQ1) | 40.4 | ND (0.2) | 2490 |
| MW6 | D | Sep-04 | 14.3 (BQ,BQ1,J) | ND (0.2) | 0.533 | 2.35 (BQ1) | ND (0.03) | ND (5) | ND (10) | ND (0.1) | 4960 | 0.329 (BQ1) | 0.0956 (BQ1,J) | 0.374 (BQ1) | ND (20) | ND (0.2) | 1030 |
| | | Oct-04 | ND (25) | ND (0.2) | 0.532 (BQ1) | 1.94 | ND (0.03) | ND (5) | ND (10) | ND (0.1) | 5110 | ND (0.2) | ND (0.1) | 0.354 (BQ1) | ND (20) | ND (0.2) | 993 |
| MW7 | D | Sep-04 | 37.3 (BQ,BQ1) | ND (0.2) | 0.4 (J) | 2.45 (BQ1) | ND (0.03) | N/A | ND (10) | ND (0.1) | 3890 | 0.252 (BQ1) | 0.859 (BQ1,J) | 0.868 (BQ,BQ1,J) | 37.8 (BQ1) | ND (0.2) | 913 |
| | | Oct-04 | 7.8 (BQ,BQ1,J) | ND (0.2) | 0.3 (BQ1,J) | 1.03 (BQ1) | ND (0.03) | ND (5) | ND (10) | ND (0.1) | 4280 (BQ1) | 0.158 (J) | ND (0.1) | 0.191 (BQ1,J) | ND (20) | ND (0.2) | 962 |
| | S | Sep-04 | 7.85 (BQ,J) | ND (0.2) | 0.261 (J) | 0.847 | ND (0.03) | ND (5) | 3.1 (J) | ND (0.1) | 3920 | 0.713 | 0.69 (J) | 0.113 (J) | 8.34 (J) | ND (0.2) | 833 |
| | | Oct-04 | 10.9 (BQ,BQ1,J) | ND (0.2) | ND (0.5) | 0.861 (BQ1) | ND (0.03) | ND (5) | ND (10) | ND (0.1) | 3380 (BQ1) | ND (0.2) | ND (0.1) | 0.112 (BQ1,J) | ND (20) | ND (0.2) | 706 |
| MW8 | D | Sep-04 | 8.52 (BQ,BQ1,J) | 0.116 (J) | 1.21 | 2.77 (BQ1) | ND (0.03) | N/A | ND (10) | ND (0.1) | 11500 | 0.631 (BQ1) | 0.665 (BQ1,J) | 0.448 (BQ,BQ1) | 81.3 (BQ1) | ND (0.2) | 2310 |
| | | Oct-04 | 10.7 (BQ,BQ1,J) | 0.0797 (J) | 1.23 (BQ1) | 2.54 | ND (0.03) | ND (5) | ND (10) | ND (0.1) | 13600 | 0.379 | 0.0324 (BQ1,J) | 0.117 (BQ1,J) | ND (20) | ND (0.2) | 2560 |
| | M | Sep-04 | ND (25) | ND (0.2) | ND (0.5) | 4.07 (BQ1) | ND (0.03) | N/A | 5.2 (BQ,J) | ND (0.1) | 6470 | 0.254 (BQ1) | 0.621 (BQ1,J) | 0.304 (BQ,BQ1) | 46.5 (BQ1) | ND (0.2) | 1500 |
| | | Oct-04 | 9.55 (BQ,BQ1,J) | ND (0.2) | ND (0.5) | 3.9 | ND (0.03) | ND (5) | ND (10) | ND (0.1) | 6980 | 0.184 (J) | ND (0.1) | 0.157 (BQ1,J) | ND (20) | ND (0.2) | 1700 |
| | S | Sep-04 | 10.1 (BQ,BQ1,J) | ND (0.2) | ND (0.5) | 2.56 (BQ1) | ND (0.03) | N/A | 4.7 (BQ,J) | ND (0.1) | 3650 | 0.114 (BQ1,J) | 0.111 (BQ1) | 2.06 (BQ1,J) | 27.6 (BQ1) | ND (0.2) | 852 |
| | | Oct-04 | 11.6 (BQ,BQ1,J) | ND (0.2) | ND (0.5) | 3.28 | ND (0.03) | ND (5) | ND (10) | ND (0.1) | 5210 | 0.517 | 0.0336 (BQ1,J) | 0.186 (BQ1,J) | 25.9 (BQ1) | ND (0.2) | 1040 |

a. See notes on page 3 regarding the flags associated with the analytical results.
b. "D"=deep screen, "M"=medium screen, "S"=shallow screen.

**Table 6-5. Analysis Results for Dissolved Trace Metals**
Pebble Project
Northern Dynasty Mines

| Well ID[b] | | Sample Month | Manganese[a] µg/L | Mercury[a] µg/L | Molybdenum[a] µg/L | Nickel[a] µg/L | Potassium[a] µg/L | Selenium[a] µg/L | Silicon[a] µg/L | Silver[a] µg/L | Sodium[a] µg/L | Thallium[a] µg/L | Tin[a] µg/L | Vanadium[a] µg/L | Zinc[a] µg/L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW1 | D | Sep-04 | 1.15 | N/A | 0.512 (J) | 0.419 | 261 | ND (1) | 6540 | ND (0.02) | 2420 | ND (0.05) | ND (1) | 0.371 (J) | 1.28 (J) |
| | | Oct-04 | 1.2 (BQ1) | ND (0.2) | 0.485 (J) | 0.268 (BQ1) | 236 | ND (1) | 5930 (BQ1) | ND (0.02) | 2360 (BQ1) | ND (0.05) | ND (1) | 0.271 (BQ1,J) | 0.635 (BQ1,J) |
| | M | Sep-04 | 1.13 | N/A | 0.342 (J) | 0.62 | 204 | ND (1) | 5440 | ND (0.02) | 2040 | ND (0.05) | ND (1) | 0.391 (J) | 1.58 |
| | | Oct-04 | 1.34 (BQ1) | 0.116 (BQ,BQ1,J) | 0.347 (J) | 0.352 (BQ1) | 220 | ND (1) | 5180 (BQ1) | ND (0.02) | 2100 (BQ1) | ND (0.05) | ND (1) | ND (0.4) | 54.1 |
| | S | Sep-04 | 10.6 | N/A | ND (1) | 0.665 | 118 | ND (1) | 3300 | ND (0.02) | 1310 | ND (0.05) | ND (1) | 0.287 (J) | 0.617 (J) |
| | | Oct-04 | 8.95 | 0.118 (BQ,BQ1,J) | ND (1) | 0.243 (BQ1) | 108 (BQ1) | ND (1) | 2590 (BQ1) | ND (0.02) | 1180 (BQ1) | ND (0.05) | ND (1) | ND (0.4) | 0.793 (BQ1,J) |
| MW2 | D | Sep-04 | 0.81 (BQ1,J) | N/A | ND (1) | 2.2 (BQ1) | 301 | ND (1) | 5580 | ND (0.02) | 1410 | ND (0.05) | ND (1) | 1.62 | ND (1.5) |
| | | Oct-04 | ND (1) | ND (0.2) | ND (1) | 0.183 (BQ1,J) | 327 | ND (1) | 4820 (BQ1) | 0.128 (J) | 1600 (BQ1) | ND (0.05) | ND (1) | 1.87 | ND (1.5) |
| MW5 | D | Sep-04 | 357 | N/A | 7.61 | 0.878 | 2160 | 1.18 | 10400 | ND (0.02) | 26400 | ND (0.05) | ND (1) | 5.96 | 0.54 (J) |
| | | Oct-04 | 457 | ND (0.2) | 5.53 | 0.847 | 2180 | 0.757 (J) | 10700 | ND (0.02) | 20800 (BQ1) | ND (0.05) | ND (1) | 2.53 | 1.23 (BQ1,J) |
| | M | Sep-04 | 229 | N/A | 4.8 | 0.744 (BQ1) | 1260 | ND (1) | 7230 | ND (0.02) | 8520 | ND (0.05) | ND (1) | 1.61 | 0.886 (BQ1,J) |
| | | Oct-04 | 235 | ND (0.2) | 5.22 | 0.714 | 1430 | ND (1) | 6600 | ND (0.02) | 9430 (BQ1) | ND (0.05) | ND (1) | 1.41 (BQ1) | 0.912 (BQ1,J) |
| | S | Sep-04 | 976 | N/A | 0.726 (J) | 2.62 (BQ1) | 479 | ND (1) | 10000 | ND (0.02) | 2890 | ND (0.05) | ND (1) | ND (0.4) | 1.36 (BQ1,J) |
| | | Oct-04 | 353 | ND (0.2) | 0.831 (J) | 4.72 | 418 | ND (1) | 7980 | ND (0.02) | 2760 (BQ1) | ND (0.05) | ND (1) | ND (0.4) | 0.994 (BQ1,J) |
| MW6 | D | Sep-04 | 0.808 (BQ1,J) | N/A | ND (1) | 0.268 (BQ1) | 348 | ND (1) | 7030 | ND (0.02) | 2060 | ND (0.05) | ND (1) | ND (0.4) | ND (1.5) |
| | | Oct-04 | ND (1) | ND (0.2) | ND (1) | 0.3 (BQ1) | 378 | ND (1) | 6170 (BQ1) | ND (0.02) | 2020 (BQ1,J) | ND (0.05) | ND (1) | 0.419 (BQ1) | ND (1.5) |
| MW7 | D | Sep-04 | 6.05 (BQ1) | N/A | ND (1) | 0.532 (BQ1,J) | 417 | ND (1) | 12400 | ND (0.02) | 2700 | ND (0.05) | ND (1) | 1.15 | 1.22 (BQ,BQ1,J) |
| | | Oct-04 | 0.6 (BQ1,J) | 0.12 (BQ,BQ1,J) | ND (1) | 0.119 (BQ1,J) | 407 | ND (1) | 11000 | ND (0.02) | 2460 (BQ1) | ND (0.05) | ND (1) | 0.877 (BQ1) | ND (1.5) |
| | S | Sep-04 | 1.69 | N/A | ND (1) | 1.45 | 352 | ND (1) | 11600 | ND (0.02) | 2310 | ND (0.05) | ND (1) | 1.08 | 0.694 (J) |
| | | Oct-04 | ND (1) | 0.118 (BQ,BQ1,J) | ND (1) | 0.558 (BQ1) | 335 | ND (1) | 9380 | ND (0.02) | 2130 (BQ1) | ND (0.05) | ND (1) | 1.11 (BQ1) | ND (1.5) |
| MW8 | D | Sep-04 | 1.47 (BQ1) | N/A | 0.531 (J) | 0.671 (BQ1) | 322 | ND (1) | 9670 | ND (0.02) | 2910 | ND (0.05) | ND (1) | 1.11 | 1.07 (BQ,BQ1,J) |
| | | Oct-04 | ND (1) | ND (0.2) | 0.709 (J) | 0.349 (BQ1) | 363 | ND (1) | 8410 | ND (0.02) | 3230 (BQ1) | ND (0.05) | ND (1) | 1.14 (BQ1) | 1.16 (BQ1,J) |
| | M | Sep-04 | 1.57 (BQ1) | N/A | ND (1) | 0.556 (BQ1,J) | 313 | ND (1) | 9210 | ND (0.02) | 2420 | ND (0.05) | ND (1) | ND (0.4) | 1.66 (BQ,BQ1) |
| | | Oct-04 | ND (1) | ND (0.2) | ND (1) | 0.207 (BQ1) | 336 | ND (1) | 8470 | ND (0.02) | 2690 (BQ1) | ND (0.05) | ND (1) | ND (0.4) | 0.722 (BQ1,J) |
| | S | Sep-04 | 1.56 (BQ1) | N/A | ND (1) | 0.639 (BQ1,J) | 220 | ND (1) | 7280 | ND (0.02) | 1910 | ND (0.05) | ND (1) | 0.314 (J) | 8.19 (BQ,BQ1,J) |
| | | Oct-04 | 3.68 | ND (0.2) | ND (1) | 0.343 (BQ1) | 287 | ND (1) | 7110 | ND (0.02) | 2220 (BQ1) | ND (0.05) | ND (1) | ND (0.4) | 1.1 (BQ1,J) |

a. See notes on page 3 regarding the flags associated with the analytical results.
b. "D"=deep screen, "M"=medium screen, "S"=shallow screen.

**Table 6-5. Analysis Results for Dissolved Trace Metals**
Pebble Project
Northern Dynasty Mines

| Well ID[b] | | Sample Month | Aluminum[a] | Antimony[a] | Arsenic[a] | Barium[a] | Beryllium[a] | Bismuth[a] | Boron[a] | Cadmium[a] | Calcium[a] | Chromium[a] | Cobalt[a] | Copper[a] | Iron[a] | Lead[a] | Magnesium[a] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L |
| MW9 | D | Sep-04 | ND (25) | ND (0.2) | 0.375 (J) | 0.497 (BQ,BQ1) | ND (0.03) | N/A | 4.3 (BQ,J) | ND (0.1) | 3900 | 0.307 (BQ1) | 0.655 (BQ1,J) | 0.186 (BQ,BQ1,J) | 27.9 (BQ1) | ND (0.2) | 995 |
| | | Oct-04 | 9.82 (BQ,BQ1,J) | ND (0.2) | ND (0.5) | 0.511 (BQ1) | ND (0.03) | ND (5) | ND (10) | ND (0.1) | 3680 (BQ1) | ND (0.2) | ND (0.1) | 0.121 (BQ1,J) | ND (20) | ND (0.2) | 758 |
| MW10 | | Oct-04 | 10.3 (BQ,BQ1,J) | ND (0.2) | 0.296 (BQ,BQ1,J) | 1.36 (BQ1) | ND (0.03) | ND (5) | ND (10) | ND (0.1) | 5720 | 0.401 | 0.0452 (BQ1,J) | 0.607 (BQ1) | ND (20) | 0.137 (J) | 919 |
| MW11 | D | Oct-04 | 8.83 (BQ,BQ1,J) | ND (0.2) | 0.269 (BQ1,J) | 1.96 | ND (0.03) | ND (5) | ND (10) | ND (0.1) | 5490 | 0.157 (J) | 0.0431 (BQ1,J) | 0.172 (BQ1,J) | ND (20) | ND (0.2) | 1170 |
| | M | Oct-04 | 10.1 (BQ,BQ1,J) | ND (0.2) | ND (0.5) | 2.28 | ND (0.03) | ND (5) | ND (10) | ND (0.1) | 4710 | 0.109 (J) | 0.0479 (BQ1,J) | 0.147 (BQ1,J) | ND (20) | ND (0.2) | 974 |
| | S | Oct-04 | 12.2 (BQ,BQ1,J) | ND (0.2) | ND (0.5) | 1.88 | ND (0.03) | ND (5) | ND (10) | ND (0.1) | 5480 | 0.373 | 0.066 (BQ1,J) | 0.119 (BQ1,J) | ND (20) | ND (0.2) | 1070 |
| KP-P3 | D | Sep-04 | 18.2 (BQ,J) | ND (0.2) | ND (0.5) | 2.71 | ND (0.03) | ND (5) | 4 (J) | ND (0.1) | 4220 | 0.195 (J) | 0.171 | 2.24 | ND (20) | ND (0.2) | 934 |
| /SRK5 | M | Sep-04 | 11.4 (BQ,J) | 0.156 (J) | 0.259 (J) | 6.09 | ND (0.03) | ND (5) | ND (10) | ND (0.1) | 9740 | 0.246 | 0.379 (J) | 0.795 | ND (20) | ND (0.2) | 2300 |
| | | Oct-04 | 14 (BQ,BQ1,J) | ND (0.2) | ND (0.5) | 5.63 | ND (0.03) | ND (5) | ND (10) | ND (0.1) | 8440 | ND (0.2) | 0.0385 (BQ1,J) | 0.496 (BQ1) | ND (20) | ND (0.2) | 1990 |
| | S | Sep-04 | 12.3 (BQ,J) | 0.12 (J) | ND (0.5) | 5.94 | ND (0.03) | ND (5) | 3.2 (J) | 0.0929 (J) | 2620 | 1.07 | 1.68 (J) | 0.428 | 8.4 (J) | 0.14 (J) | 451 |
| | | Oct-04 | 15.8 (BQ,BQ1,J) | ND (0.2) | ND (0.5) | 4.86 | ND (0.03) | ND (5) | ND (10) | ND (0.1) | 1990 (BQ1) | ND (0.2) | ND (0.1) | 0.214 (BQ1) | ND (20) | ND (0.2) | 355 |

Notes:

BQ. The result is associated with inorganic method-blank contamination at a level less than or equal to five times the concentration in the blank for contaminants below the MRL (ten times for contaminants above the MRL). Result should be considered not detected at the concentration of the MRL for those results reported below the MRL or as biased high for those reported above the MRL.

BQ1. The result is associated with inorganic field-blank (equipment blank, DI water blank, or trip blank) contamination at a level less than or equal to five times the concentration in the blank for contaminants below the MRL (ten times for contaminants above the MRL). Result should be considered not detected at the concentration of the MRL for those results reported below the MRL or as biased high for the reported above the MRL.

BQ2. The result is associated with organic method-blank contamination at a level less than or equal to five times the concentration in the blank (ten times for common laboratory contaminants). Result should be considered not detected at the concentration of the MRL or sample result, whichever is greater.

BQ3. The result is associated with organic field-blank (equipment blank, DI water blank or trip blank) contamination at a level less than or equal to five times the concentration in the blank (ten times for common laboratory contaminants). Result should be considered not detected at the concentration of the MRL or sample result, whichever is greater.

J. The result is an estimated quantity.

J+. The result is an estimated quantity, but the result may be biased high.

J-. The result is an estimated quantity, but the result may be biased low.

N/A. Sample was not analyzed for the analyte.

ND (0.2). Not detected at detection limit shown in brackets.

R. The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present.

UJ. The analyte was analyzed, but was not detected above the level of the reported sample quantitation limit. The MRL is an estimate.

a. See notes on page 3 regarding the flags associated with the analytical results.
b. "D"=deep screen, "M"=medium screen, "S"=shallow screen.

**Table 6-5. Analysis Results for Dissolved Trace Metals**
Pebble Project
Northern Dynasty Mines

| Well ID[b] | | Sample Month | Manganese[a] µg/L | Mercury[a] µg/L | Molybdenum[a] µg/L | Nickel[a] µg/L | Potassium[a] µg/L | Selenium[a] µg/L | Silicon[a] µg/L | Silver[a] µg/L | Sodium[a] µg/L | Thallium[a] µg/L | Tin[a] µg/L | Vanadium[a] µg/L | Zinc[a] µg/L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW9 | D | Sep-04 | 1.18 (BQ1) | N/A | ND (1) | 0.399 (BQ1,J) | 382 | ND (1) | 12100 | ND (0.02) | 2710 | ND (0.05) | ND (1) | 1.03 | 0.713 (BQ,BQ1,J) |
| | | Oct-04 | ND (1) | ND (0.2) | ND (1) | 0.139 (BQ1,J) | 344 | ND (1) | 10400 | ND (0.02) | 2350 (BQ1) | ND (0.05) | ND (1) | 0.816 (BQ1) | ND (1.5) |
| MW10 | | Oct-04 | 0.885 (BQ1,J) | 0.076 (BQ1,J) | ND (1) | 0.509 (BQ1) | 610 | ND (1) | 6110 (BQ1) | ND (0.02) | 2250 (BQ1) | ND (0.05) | ND (1) | 0.548 (BQ1) | 1.88 (BQ1) |
| MW11 | D | Oct-04 | ND (1) | ND (0.2) | ND (1) | 0.193 (BQ1,J) | 305 | ND (1) | 5180 (BQ1) | ND (0.02) | 2410 (BQ1) | ND (0.05) | ND (1) | 0.253 (BQ1,J) | ND (1.5) |
| | M | Oct-04 | ND (1) | ND (0.2) | ND (1) | 0.158 (BQ1,J) | 323 | ND (1) | 4500 (BQ1) | ND (0.02) | 2150 (BQ1) | ND (0.05) | ND (1) | ND (0.4) | ND (1.5) |
| | S | Oct-04 | 2.17 (BQ1) | ND (0.2) | ND (1) | 0.427 (BQ1) | 368 | ND (1) | 5230 (BQ1) | ND (0.02) | 2620 (BQ1) | ND (0.05) | ND (1) | ND (0.4) | ND (1.5) |
| KP-P3 | D | Sep-04 | 7.72 | N/A | 2.53 | 1.03 | 573 | 0.55 (J) | 9280 | ND (0.02) | 2980 | ND (0.05) | ND (1) | ND (0.4) | 2.2 |
| /SRK5 | M | Sep-04 | 2.12 | N/A | 1.24 | 0.561 | 471 | ND (1) | 7310 | ND (0.02) | 3450 | ND (0.05) | ND (1) | ND (0.4) | 1.73 |
| | | Oct-04 | 1.16 (BQ1) | 0.122 (BQ,BQ1,J) | 2.91 | 0.333 (BQ1) | 510 | 0.627 (J) | 8110 | ND (0.02) | 3480 (BQ1) | ND (0.05) | ND (1) | ND (0.4) | 0.59 (BQ1,J) |
| | S | Sep-04 | 11.4 | N/A | 0.32 (J) | 1.88 (J) | 272 | ND (1) | 4750 | ND (0.02) | 2210 | ND (0.05) | ND (1) | ND (0.4) | 8.33 (J) |
| | | Oct-04 | 2.37 (BQ1) | 0.078 (BQ,BQ1,J) | 0.313 (J) | 0.25 (BQ1) | 238 | ND (1) | 4220 (BQ1) | ND (0.02) | 1670 (BQ1) | ND (0.05) | ND (1) | ND (0.4) | ND (1.5) |

a. See notes on page 3 regarding the flags associated with the analytical results.
b. "D"=deep screen, "M"=medium screen, "S"=shallow screen.

**Table 6-8. Ratio of Dissolved Metal Result to Lowest Criteria**

Pebble Project

Northern Dynasty Mines

| Well ID | | Sample Month | Aluminum | Antimony | Arsenic | Barium | Beryllium | Cadmium | Chromium | Copper | Iron | Lead | Manganese | Mercury | Molybdenum | Nickel | Selenium |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW1 | D | Sep-04 | 0.18 | 0.00 | 0.03 | 0.00 | 0.00 | 0.00 | 0.01 | 0.07 | 0.00 | 0.00 | 0.02 | | 0.05 | 0.03 | 0.00 |
| | | Oct-04 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 0.00 | 0.00 | 0.02 | 0.00 | 0.05 | 0.02 | 0.00 |
| | M | Sep-04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.43 | 0.02 | 0.05 | 0.00 | 0.00 | 0.02 | | 0.03 | 0.04 | 0.00 |
| | | Oct-04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.49 | 0.00 | 0.10 | 0.00 | 0.30 | 0.03 | 2.32 | 0.03 | 0.02 | 0.00 |
| | S | Sep-04 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.07 | 0.00 | 0.00 | 0.21 | | 0.00 | 0.04 | 0.00 |
| | | Oct-04 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 | **1.36** | 0.00 | 0.06 | 0.00 | 0.00 | 0.18 | **2.36** | 0.00 | 0.02 | 0.00 |
| MW2 | D | Sep-04 | 0.16 | 0.04 | 0.47 | 0.00 | 0.00 | 0.00 | 0.18 | 0.07 | 0.06 | 0.00 | 0.02 | | 0.00 | 0.14 | 0.00 |
| | | Oct-04 | 0.19 | 0.02 | 0.45 | 0.00 | 0.00 | 0.00 | 0.01 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 |
| MW5 | D | Sep-04 | 0.34 | 0.15 | 0.28 | 0.01 | 0.00 | 0.35 | 0.01 | 0.23 | 0.40 | 0.34 | **7.14** | | 0.76 | 0.05 | 0.26 |
| | | Oct-04 | 0.28 | 0.14 | 0.27 | 0.01 | 0.00 | 0.00 | 0.00 | 0.20 | **1.39** | 0.21 | **9.14** | 0.00 | 0.55 | 0.05 | 0.16 |
| | M | Sep-04 | 0.09 | 0.01 | 0.26 | 0.04 | 0.00 | 0.00 | 0.00 | 0.18 | 0.02 | 0.00 | **4.58** | | 0.48 | 0.05 | 0.00 |
| | | Oct-04 | 0.11 | 0.00 | 0.24 | 0.04 | 0.00 | 0.00 | 0.00 | 0.13 | 0.00 | 0.00 | **4.70** | 0.00 | 0.52 | 0.04 | 0.00 |
| | S | Sep-04 | 0.15 | 0.00 | 0.42 | 0.02 | 0.00 | 0.33 | 0.09 | 0.12 | **3.47** | 0.00 | **19.52** | | 0.07 | 0.16 | 0.00 |
| | | Oct-04 | 0.10 | 0.00 | 0.10 | 0.01 | 0.00 | 0.36 | 0.05 | 0.11 | 0.13 | 0.00 | **7.06** | 0.00 | 0.08 | 0.30 | 0.00 |
| MW6 | D | Sep-04 | 0.16 | 0.00 | 0.05 | 0.00 | 0.00 | 0.00 | 0.01 | 0.14 | 0.00 | 0.00 | 0.02 | | 0.00 | 0.02 | 0.00 |
| | | Oct-04 | 0.00 | 0.00 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.00 |
| MW7 | D | Sep-04 | 0.43 | 0.00 | 0.04 | 0.00 | 0.00 | 0.00 | 0.01 | 0.32 | 0.13 | 0.00 | 0.12 | | 0.00 | 0.03 | 0.00 |
| | | Oct-04 | 0.09 | 0.00 | 0.03 | 0.00 | 0.00 | 0.00 | 0.01 | 0.07 | 0.00 | 0.00 | 0.01 | **2.40** | 0.00 | 0.01 | 0.00 |
| | S | Sep-04 | 0.09 | 0.00 | 0.03 | 0.00 | 0.00 | 0.00 | 0.03 | 0.04 | 0.03 | 0.00 | 0.03 | | 0.00 | 0.09 | 0.00 |
| | | Oct-04 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.00 | 0.00 | 0.00 | **2.36** | 0.00 | 0.03 | 0.00 |
| MW8 | D | Sep-04 | 0.10 | 0.02 | 0.12 | 0.00 | 0.00 | 0.00 | 0.03 | 0.17 | 0.27 | 0.00 | 0.03 | | 0.05 | 0.04 | 0.00 |
| | | Oct-04 | 0.12 | 0.01 | 0.12 | 0.00 | 0.00 | 0.00 | 0.02 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.02 | 0.00 |
| | M | Sep-04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.11 | 0.16 | 0.00 | 0.03 | | 0.00 | 0.03 | 0.00 |
| | | Oct-04 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 |
| | S | Sep-04 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.76 | 0.09 | 0.00 | 0.03 | | 0.00 | 0.04 | 0.00 |
| | | Oct-04 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.07 | 0.09 | 0.00 | 0.07 | 0.00 | 0.00 | 0.02 | 0.00 |
| MW9 | D | Sep-04 | 0.00 | 0.00 | 0.04 | 0.00 | 0.00 | 0.00 | 0.01 | 0.07 | 0.09 | 0.00 | 0.02 | | 0.00 | 0.02 | 0.00 |
| | | Oct-04 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 |
| MW10 | | Oct-04 | 0.12 | 0.00 | 0.03 | 0.00 | 0.00 | 0.00 | 0.02 | 0.22 | 0.00 | 0.25 | 0.02 | **1.52** | 0.00 | 0.03 | 0.00 |
| MW11 | D | Oct-04 | 0.10 | 0.00 | 0.03 | 0.00 | 0.00 | 0.00 | 0.01 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 |
| | M | Oct-04 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 |
| | S | Oct-04 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.04 | 0.00 | 0.00 | 0.04 | 0.00 | 0.00 | 0.03 | 0.00 |
| KP-P3 | D | Sep-04 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.83 | 0.00 | 0.00 | 0.15 | | 0.25 | 0.06 | 0.12 |
| /SRK5 | M | Sep-04 | 0.13 | 0.03 | 0.03 | 0.01 | 0.00 | 0.00 | 0.01 | 0.29 | 0.00 | 0.00 | 0.04 | | 0.12 | 0.04 | 0.00 |
| | | Oct-04 | 0.16 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.18 | 0.00 | 0.00 | 0.02 | **2.44** | 0.29 | 0.02 | 0.14 |
| | S | Sep-04 | 0.14 | 0.02 | 0.00 | 0.01 | 0.00 | 0.93 | 0.04 | 0.16 | 0.03 | 0.26 | 0.23 | | 0.03 | 0.12 | 0.00 |
| | | Oct-04 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.05 | **1.56** | 0.03 | 0.02 | 0.00 |

Note: The ratio is calculated by dividing the measured concentration by the lowest criterion defined in Table 1-9 of the QAPP (NDM, 2005).
Therefore, a ratio greater than one indicates that the criterion is exceeded while a ratio less than one indicates that the criterion is not exceeded.

**Table 6-8. Ratio of Dissolved Metal Result to Lowest Criteria**

Pebble Project

Northern Dynasty Mines

| Well ID | | Sample Month | Silver | Thallium | Vanadium | Zinc |
|---|---|---|---|---|---|---|
| MW1 | D | Sep-04 | 0.00 | 0.00 | 0.00 | 0.04 |
| | | Oct-04 | 0.00 | 0.00 | 0.00 | 0.02 |
| | M | Sep-04 | 0.00 | 0.00 | 0.00 | 0.04 |
| | | Oct-04 | 0.00 | 0.00 | 0.00 | 1.50 |
| | S | Sep-04 | 0.00 | 0.00 | 0.00 | 0.02 |
| | | Oct-04 | 0.00 | 0.00 | 0.00 | 0.02 |
| MW2 | D | Sep-04 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Oct-04 | 0.40 | 0.00 | 0.00 | 0.00 |
| MW5 | D | Sep-04 | 0.00 | 0.00 | 0.00 | 0.02 |
| | | Oct-04 | 0.00 | 0.00 | 0.00 | 0.03 |
| | M | Sep-04 | 0.00 | 0.00 | 0.00 | 0.02 |
| | | Oct-04 | 0.00 | 0.00 | 0.00 | 0.03 |
| | S | Sep-04 | 0.00 | 0.00 | 0.00 | 0.04 |
| | | Oct-04 | 0.00 | 0.00 | 0.00 | 0.03 |
| MW6 | D | Sep-04 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Oct-04 | 0.00 | 0.00 | 0.00 | 0.00 |
| MW7 | D | Sep-04 | 0.00 | 0.00 | 0.00 | 0.03 |
| | | Oct-04 | 0.00 | 0.00 | 0.00 | 0.00 |
| | S | Sep-04 | 0.00 | 0.00 | 0.00 | 0.02 |
| | | Oct-04 | 0.00 | 0.00 | 0.00 | 0.00 |
| MW8 | D | Sep-04 | 0.00 | 0.00 | 0.00 | 0.03 |
| | | Oct-04 | 0.00 | 0.00 | 0.00 | 0.03 |
| | M | Sep-04 | 0.00 | 0.00 | 0.00 | 0.05 |
| | | Oct-04 | 0.00 | 0.00 | 0.00 | 0.02 |
| | S | Sep-04 | 0.00 | 0.00 | 0.00 | 0.23 |
| | | Oct-04 | 0.00 | 0.00 | 0.00 | 0.03 |
| MW9 | D | Sep-04 | 0.00 | 0.00 | 0.00 | 0.02 |
| | | Oct-04 | 0.00 | 0.00 | 0.00 | 0.00 |
| MW10 | | Oct-04 | 0.00 | 0.00 | 0.00 | 0.05 |
| MW11 | D | Oct-04 | 0.00 | 0.00 | 0.00 | 0.00 |
| | M | Oct-04 | 0.00 | 0.00 | 0.00 | 0.00 |
| | S | Oct-04 | 0.00 | 0.00 | 0.00 | 0.00 |
| KP-P3 | D | Sep-04 | 0.00 | 0.00 | 0.00 | 0.06 |
| /SRK5 | M | Sep-04 | 0.00 | 0.00 | 0.00 | 0.05 |
| | | Oct-04 | 0.00 | 0.00 | 0.00 | 0.02 |
| | S | Sep-04 | 0.00 | 0.00 | 0.00 | 0.23 |
| | | Oct-04 | 0.00 | 0.00 | 0.00 | 0.00 |

**TABLE 6-24**
**2004 Validated Groundwater Analytical Results, Nondalton City Well**

| Parameter | Method | Units | ADEC Criteria[1] | 073004NONDAGW001 NONDA 7/30/2004 | 110504NONDAGW001 NONDA 11/5/2004 |
|---|---|---|---|---|---|
| **Dissolved Metals** | | | | | |
| Aluminum | E200.8 | µg/L | NE | ND (25) | 8.17 J, BQ1 |
| Antimony | E200.8 | µg/L | 6 | 0.599 J | 0.0903 J |
| Arsenic | E200.8 | µg/L | 50 | 11.5 | 10.9 |
| Barium | E200.8 | µg/L | 2,000 | 4.68 | 5.27 |
| Beryllium | E200.8 | µg/L | 4 | ND (0.03) | ND (0.03) |
| Bismuth | E200.8 | µg/L | NE | ND (5) | ND (5) |
| Boron | E200.7 | µg/L | NE | 8.6 J | ND (10) |
| Cadmium | E200.8 | µg/L | 5 | 0.0761 J, BQ | ND (0.1) |
| Calcium | E200.8 | µg/L | NE | 17400 | 22700 |
| Chromium | E200.8 | µg/L | 100 | 0.12 J | ND (0.2) |
| Cobalt | E200.8 | µg/L | NE | ND (0.1) | 0.0645 J, BQ1 |
| Copper[2] | E200.8 | µg/L | 1,000 | 6.42 | 4.26 BQ1 |
| Iron[3] | E200.8 | µg/L | 300 | ND (20) | ND (20) |
| Lead[2] | E200.8 | µg/L | 15 | 0.396 | 0.197 J |
| Magnesium | E200.8 | µg/L | NE | 3170 | 3230 |
| Manganese[3] | E200.8 | µg/L | 50 | 0.636 J | ND (1) |
| Molybdenum | E200.8 | µg/L | NE | 2.27 | 2.82 |
| Nickel | E200.8 | µg/L | 100 | 0.767 | 0.673 BQ1 |
| Potassium | E200.8 | µg/L | NE | 1100 | 1230 |
| Selenium | E200.8 | µg/L | 50 | ND (1) | ND (1) |
| Silicon | E200.7 | µg/L | NE | 7850 | 7120 |
| Silver | E200.8 | µg/L | NE | ND (0.02) | 0.0063 J |
| Sodium[3] | E200.8 | µg/L | 250,000 | 7170 | 8330 BQ1 |
| Thallium | E200.8 | µg/L | 2 | ND (0.05) | ND (0.05) |
| Tin | E200.8 | µg/L | NE | ND (1) | ND (1) |
| Vanadium | E200.8 | µg/L | NE | 1.37 | 1.29 BQ1 |
| Zinc[3] | E200.8 | µg/L | 5,000 | 1.44 J | 1.59 BQ1 |
| **Total Metals** | | | | | |
| Aluminum | E200.8 | µg/L | NE | ND (25) | 9.22 J, BQ1 |
| Antimony | E200.8 | µg/L | 6 | 0.315 J | 0.103 J |
| Arsenic | E200.8 | µg/L | 50 | 11.4 | 11.3 |
| Barium | E200.8 | µg/L | 2,000 | 4.82 | 5.25 |
| Beryllium | E200.8 | µg/L | 4 | ND (0.03) | 0.0228 J |
| Bismuth | E200.8 | µg/L | NE | ND (5) | ND (5) |
| Boron | E200.7 | µg/L | NE | 5.6 J | ND (10) |
| Cadmium | E200.8 | µg/L | 5 | 0.105 BQ | ND (0.1) |
| Calcium | E200.8 | µg/L | NE | 17600 | 22400 |
| Chromium | E200.8 | µg/L | 100 | 0.158 J | ND (0.2) |
| Cobalt | E200.8 | µg/L | NE | 0.0362 J | 0.0696 J, BQ1 |
| Copper | E200.8 | µg/L | 1,000 | 7.45 | 31.8 |
| Iron[3] | E200.8 | µg/L | 300 | ND (20) | ND (20) |
| Lead | E200.8 | µg/L | NE | 0.385 | 1.33 |
| Magnesium | E200.8 | µg/L | NE | 3130 | 3350 |
| Manganese[3] | E200.8 | µg/L | 50 | 0.734 J | ND (1) |
| Mercury | E1631 | µg/L | 2 | 0.001 J | |
| Molybdenum | E200.8 | µg/L | NE | 2.24 | 2.96 |
| Nickel | E200.8 | µg/L | 100 | 0.581 | 0.613 BQ1 |
| Potassium | E200.8 | µg/L | NE | 1100 | 1280 |
| Selenium | E200.8 | µg/L | 50 | ND (1) | ND (1) |
| Silver | E200.8 | µg/L | NE | ND (0.02) | 0.0083 J |
| Sodium[3] | E200.8 | µg/L | 250,000 | 7070 | 8510 BQ1 |

| Parameter | Method | Units | ADEC Criteria[1] | 073004NONDAGW001 NONDA 7/30/2004 | 110504NONDAGW001 NONDA 11/5/2004 |
|---|---|---|---|---|---|
| Thallium | E200.8 | µg/L | 2 | ND (0.05) | ND (0.05) |
| Tin | E200.8 | µg/L | NE | ND (1) | 0.482 J |
| Vanadium | E200.8 | µg/L | NE | 1.41 | 1.31 BQ1 |
| Zinc[3] | E200.8 | µg/L | 5,000 | 0.939 J | 1.65 |
| **Other Parameters** | | | | | |
| Acidity, Total | E305.2 | mg/L | NE | ND (10) | ND (10) |
| Alkalinity, Total | A2320B | mg/L | NE | 77.5 | 81.5 |
| Chloride[3] | E300.0 | mg/L | 250 | 1.39 | 1.69 |
| Cyanide | A4500CE | mg/L | 0.2 | ND (0.005) | 0.0027 J |
| Cyanide, Weak Acid Dissociable | A4500CN | mg/L | NE | ND (0.005) | 0.0035 J, BQ |
| Fluoride[3] | E300.0 | mg/L | 2 | 0.236 | 0.19 |
| Hardness as CaCO3 (total) | A2340B | mg/L | NE | 56.7 | 69.7 |
| Hardness as CaCO3 (dissolved) | A2340B | mg/L | NE | 56.4 | |
| Nitrogen, Ammonia (as N) | A4500NH | mg/L | NE | ND (0.1) | ND (0.1) |
| Nitrogen, Nitrate-Nitrite | E300.0 | mg/L | 10 | 0.33 J | 0.49 J |
| pH[3] | E150.1 | pH units | 6.5-8.5 | 6.79 | 7.3 |
| Phosphorus, Total (as P) | E365.3 | mg/L | NE | 0.0424 J | 0.06 J |
| Specific Conductance | A2510B | µmHOS/cm | NE | 170 | 185 |
| Sulfate[3] | E300.0 | mg/L | 250 | 8.46 | 8.31 |
| Thiocyanate | A4500M | mg/L | NE | 0.51 | 0.14 J |
| Total Dissolved Solids[3] | A2540C | mg/L | 500 | 120 | 110 |
| Total Suspended Solids | E160.2 | mg/L | NE | 0.4 J | ND (0.5) |
| **Field Measurements** | | | | | |
| Conductivity | Field | mS/cm | NE | -- | 0.234 |
| Dissolved Oxygen | Field | mg/L | NE | -- | 12.6 |
| pH | Field | pH units | NE | -- | 6.62 |
| Turbidity | Field | NTU | 5 | -- | 10 |
| Temperature | Field | °C | NE | -- | 8.6 |

Concentrations that exceed the ADEC criteria are highlighted.

1. Alaska Administrative Code 18 Chapter 80 (18 AAC 80) Drinking Water primary and secondary maximum contaminant levels (MCLs).
2. Lead and Copper Rule MCLs are 15 µg/L for lead and 1300 µg/L copper. The secondary contaminant MCL for copper is 1,000 µg/L.
3. 18 AAC 80 Drinking Water secondary MCLs. The primary MCL for Fluoride is 4.0µg/L.
4. Field turbidity measurements recorded during sampling events were not consistent with regular monitoring data from puclic water supply points and are considered unreliable.

ADEC = Alaska Department of Environmental Conservation
°C = degrees Celsius
mg/L = milligrams per liter
mS/cm = milliSiemens per centimeter
µg/L = micrograms per liter
µmhos/cm = micromhos per centimeter
ND = not detected (above level shown)
NE = not established
NTU = nephelometric turbidity units

R – The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the sample.
J – The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J- – The result is an estimated quantity, but the result may be biased low.

BQ – The result is associated with blank contamination at a level less than or equal to five times the concentration in the blank (ten times for common laboratory contaminants). Result should be considered not detected at the concentration of the MRL for those results reported below it or as estimated high for those reported above the MRL.

BQ1 – Result is associated with inorganic field blank (equipment blank, DI water blank or trip blank) contamination at a level less than or equal to 5 times the concentration in the blank for contaminants below the MRL (10 times for contaminants above the MRL). Result should be considered not detected at the concentration of the MRL for those results reported below it or as estimated high for those reported above the MRL.

**TABLE 6-25**
**2004 Validated Groundwater Analytical Results, Newhalen Public Well #2**

| Parameter | Method | Units | ADEC Criteria[1] | 072104NEWH2GW001 NEWH2 7/21/2004 | 102004NEWH2GW001 NEWH2 10/20/2004 |
|---|---|---|---|---|---|
| **Dissolved Metals** | | | | | |
| Aluminum | E200.8 | µg/L | NE | 18.5 J, BQ | 29.4 J, BQ, BQ1 |
| Antimony | E200.8 | µg/L | 6 | 0.914 J | ND (0.2) |
| Arsenic | E200.8 | µg/L | 50 | 7.23 | 6.75 |
| Barium | E200.8 | µg/L | 2,000 | 0.322 | 0.706 BQ1 |
| Beryllium | E200.8 | µg/L | 4 | ND (0.03) | ND (0.03) |
| Bismuth | E200.8 | µg/L | NE | ND (5) | ND (5) |
| Boron | E200.7 | µg/L | NE | 24.3 | 22.1 |
| Cadmium | E200.8 | µg/L | 5 | 0.089 J, BQ | ND (0.1) |
| Calcium | E200.8 | µg/L | NE | 4610 J | 4300 BQ1 |
| Chromium | E200.8 | µg/L | 100 | 0.312 | ND (0.2) |
| Cobalt | E200.8 | µg/L | NE | ND (0.1) | ND (0.1) |
| Copper[2] | E200.8 | µg/L | 1,000 | 1.04 | 0.805 BQ1 |
| Iron[3] | E200.8 | µg/L | 300 | ND (20) | ND (20) |
| Lead[2] | E200.8 | µg/L | 15 | 0.193 J | 0.151 J |
| Magnesium | E200.8 | µg/L | NE | 321 J | 310 |
| Manganese[3] | E200.8 | µg/L | 50 | ND (1) | ND (1) |
| Molybdenum | E200.8 | µg/L | NE | 0.756 J | 0.716 J |
| Nickel | E200.8 | µg/L | 100 | 0.485 J | 0.244 BQ1 |
| Potassium | E200.8 | µg/L | NE | 2880 J | 164 |
| Selenium | E200.8 | µg/L | 50 | ND (1) | ND (1) |
| Silicon | E200.7 | µg/L | NE | 6990 | 5880 BQ1 |
| Silver | E200.8 | µg/L | NE | ND (0.02) | ND (0.02) |
| Sodium[3] | E200.8 | µg/L | 250,000 | 19900 | 20700 BQ1 |
| Thallium | E200.8 | µg/L | 2 | ND (0.05) | ND (0.05) |
| Tin | E200.8 | µg/L | NE | ND (1) | ND (1) |
| Vanadium | E200.8 | µg/L | NE | 2.48 | 2.2 |
| Zinc[3] | E200.8 | µg/L | 5,000 | 1.46 J, BQ | 5.19 BQ1 |
| **Total Metals** | | | | | |
| Aluminum | E200.8 | µg/L | NE | 80.1 | 176 |
| Antimony | E200.8 | µg/L | 6 | ND (0.2) J | ND (0.2) |
| Arsenic | E200.8 | µg/L | 50 | 7.95 | 6.17 BQ1 |
| Barium | E200.8 | µg/L | 2,000 | 1.2 | 2.43 |
| Beryllium | E200.8 | µg/L | 4 | ND (0.03) | ND (0.03) |
| Bismuth | E200.8 | µg/L | NE | ND (5) | ND (5) |
| Boron | E200.7 | µg/L | NE | 31.4 | 21.9 |
| Cadmium | E200.8 | µg/L | 5 | 0.0745 J, BQ | ND (0.1) |
| Calcium | E200.8 | µg/L | NE | 3100 J | 4260 BQ1 |
| Chromium | E200.8 | µg/L | 100 | 0.186 J | ND (0.2) |
| Cobalt | E200.8 | µg/L | NE | 0.0361 J | 0.0633 J, BQ1 |
| Copper | E200.8 | µg/L | 1,000 | 1.09 | 149 |
| Iron[3] | E200.8 | µg/L | 300 | 72.1 | 131 |
| Lead | E200.8 | µg/L | NE | 0.446 | 2.44 |
| Magnesium | E200.8 | µg/L | NE | 130 J | 321 |
| Manganese[3] | E200.8 | µg/L | 50 | 1.8 | 2.67 BQ1 |
| Mercury | E1631 | µg/L | 2 | 0.0004 J, BQ | 0.07 J, BQ, BQ1[(5)] |
| Molybdenum | E200.8 | µg/L | NE | 0.711 J | 0.676 J |
| Nickel | E200.8 | µg/L | 100 | 0.234 J | 0.451 BQ1 |
| Potassium | E200.8 | µg/L | NE | 95.4 J | 193 |
| Selenium | E200.8 | µg/L | 50 | ND (1) | ND (1) |
| Silver | E200.8 | µg/L | NE | ND (0.02) | 0.128 |
| Sodium[3] | E200.8 | µg/L | 250,000 | 23200 | 20800 BQ1 |
| Thallium | E200.8 | µg/L | 2 | ND (0.05) | ND (0.05) |

| Parameter | Method | Units | ADEC Criteria[1] | 072104NEWH2GW001 NEWH2 7/21/2004 | 102004NEWH2GW001 NEWH2 10/20/2004 |
|---|---|---|---|---|---|
| Tin | E200.8 | µg/L | NE | ND (1) | 0.447 J |
| Vanadium | E200.8 | µg/L | NE | 2.29 | 2.23 |
| Zinc[3] | E200.8 | µg/L | 5,000 | 0.94 J, BQ | 6.35 |
| **Other Parameters** | | | | | |
| Acidity, Total | E305.2 | mg/L | NE | ND (10) | ND (10) |
| Alkalinity, Total | A2320B | mg/L | NE | 48.5 | 47 |
| Chloride[3] | E300.0 | mg/L | 250 | 2.63 | 3.07 |
| Cyanide | A4500CE | mg/L | 0.2 | ND (0.005) | 0.0059 |
| Cyanide, Weak Acid Dissociable | A4500CN | mg/L | NE | ND (0.005) | ND (0.005) |
| Fluoride[3] | E300.0 | mg/L | 2 | 0.296 | 0.136 |
| Hardness as CaCO3 (total) | A2340B | mg/L | NE | 8.28 | 12 |
| Hardness as CaCO3 (dissolved) | A2340B | mg/L | NE | 12.8 | |
| Nitrogen, Ammonia (as N) | A4500NH | mg/L | NE | ND (0.1) | ND (0.1) |
| Nitrogen, Nitrate-Nitrite | E300.0 | mg/L | 10 | ND (1) R | 0.38 J |
| pH[3] | E150.1 | pH units | 6.5-8.5 | 9.25 | 8.87 |
| Phosphorus, Total (as P) | E365.3 | mg/L | NE | ND (0.1) | ND (0.1) |
| Specific Conductance | A2510B | µmHOS/cm | NE | 122 | 120 |
| Sulfate[3] | E300.0 | mg/L | 250 | 5.95 | 5.12 |
| Thiocyanate | A4500M | mg/L | NE | ND (1) | ND (1) |
| Total Dissolved Solids[3] | A2540C | mg/L | 500 | 76.3 BQ | 92.5 |
| Total Suspended Solids | E160.2 | mg/L | NE | 1.29 | 0.7 |
| **Field Measurements** | | | | | |
| Conductivity | Field | mS/cm | NE | 0.189 | 0.135 |
| Dissolved Oxygen | Field | mg/L | NE | 12.6 | 12.8 |
| pH | Field | pH units | NE | 8.83 | 8.76 |
| Turbidity | Field | NTU | 5 | 4 | 10 |
| Temperature | Field | °C | NE | 11 | 5.6 |

Concentrations that exceed the ADEC criteria are highlighted.

1. Alaska Administrative Code 18 Chapter 80 (18 AAC 80) Drinking Water primary and secondary maximum contaminant levels (MCLs).
2. Lead and Copper Rule MCLs are 15µg/L for lead and 1300 µg/L copper. The secondary contaminant MCL for copper is 1,000µg/L.
3. 18 AAC 80 Drinking Water secondary MCLs. The primary MCL for Fluoride is 4.0µg/L.
4. Field turbidity measurements recorded during sampling events were not consistent with regular monitoring data from puclic water supply points and are considered unreliable
5. Method is E245.1.

ADEC = Alaska Department of Environmental Conservation

°C = degrees Celsius
mg/L = milligrams per liter
mS/cm = milliSiemens per centimeter
µg/L = micrograms per liter
µmhos/cm = micromhos per centimeter
ND = not detected (above level shown)
NE = not established
NTU = nephelometric turbidity units

R – The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the sample.
J – The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J- – The result is an estimated quantity, but the result may be biased low.
BQ – The result is associated with blank contamination at a level less than or equal to five times the concentration in the blank (ten times for common laboratory contaminants). Result should be considered not detected at

BQ1 – The result is associated with inorganic field blank (equipment blank, DI water blank or trip blank) contamination at a level less than or equal to five times the concentration in the blank for contaminants below the MF (ten times for contaminants above the MRL). Result should be considered not detected at the concentration of the MRL for those results reported below it or as estimated high for those reported above the MRL.

**TABLE 6-26**
**2004 Validated Groundwater Analytical Results, Weathered Inn Well, Iliamna**

| Parameter | Method | Units | ADEC Criteria[1] | 072104ILIWIGW001 ILIWI 7/21/2004 | 102004ILIWIGW001 ILIWI 10/20/2004 | 102004ILIWIGW201 ILIWI Duplicate 10/20/2004 | 102004ILIWIGW301 ILIWI Triplicate 10/20/2004 |
|---|---|---|---|---|---|---|---|
| **Dissolved Metals** | | | | | | | |
| Aluminum | E200.8 | µg/L | NE | 10.9 J, BQ | 14.5 J, BQ1 | 13.5 J, BQ1 | 7.2 BQ1 |
| Antimony | E200.8 | µg/L | 6 | 0.0858 J, BQ | ND (0.2) | 0.114 J | 0.02 J |
| Arsenic | E200.8 | µg/L | 50 | 2.62 | 2.56 BQ1 | 2.57 BQ1 | 3.1 BQ1 |
| Barium | E200.8 | µg/L | 2,000 | 0.256 J | 0.182 J, BQ1 | 0.172 J, BQ1 | 0.1 BQ1 |
| Beryllium | E200.8 | µg/L | 4 | ND (0.03) | ND (0.03) | ND (0.03) | ND (0.02) |
| Bismuth | E200.8 | µg/L | NE | ND (5) | ND (5) | ND (5) | ND (0.02) |
| Boron | E200.7 | µg/L | NE | ND (10) | ND (10) | ND (10) | 3.03 |
| Cadmium | E200.8 | µg/L | 5 | 0.0553 J, BQ | ND (0.1) | ND (0.1) | ND (0.1) |
| Calcium | E200.8 | µg/L | NE | 11300 | 12200 | 12100 | 12800 |
| Chromium | E200.8 | µg/L | 100 | 0.496 | 0.139 J | 0.432 J | 0.39 |
| Cobalt | E200.8 | µg/L | NE | ND (0.1) | 0.0362 J, BQ1 | ND (0.1) | 0.08 BQ1 |
| Copper[2] | E200.8 | µg/L | 1,000 | 1.29 | 2.1 BQ1 | 2.09 BQ1 | 2.33 J, BQ1 |
| Iron[3] | E200.8 | µg/L | 300 | 6.29 J | ND (20) | ND (20) | ND (20) |
| Lead[2] | E200.8 | µg/L | 15 | 0.143 J | 0.162 J | 0.158 J | 0.117 |
| Magnesium | E200.8 | µg/L | NE | 1180 | 1060 | 1160 | 1230 |
| Manganese[3] | E200.8 | µg/L | 50 | ND (1) | ND (1) | ND (1) | 0.17 BQ1 |
| Molybdenum | E200.8 | µg/L | NE | ND (1) | 0.337 J | 0.313 J | 0.33 |
| Nickel | E200.8 | µg/L | 100 | 0.427 | 0.291 BQ1 | 0.278 BQ1 | 0.6 BQ1 |
| Potassium | E200.8 | µg/L | NE | 198 | 195 | 194 | 156 J |
| Selenium | E200.8 | µg/L | 50 | ND (1) | ND (1) | ND (1) | 0.4 J |
| Silicon | E200.7 | µg/L | NE | 7500 | 7150 | 7100 | 7680 |
| Silver | E200.8 | µg/L | NE | ND (0.02) | ND (0.02) | ND (0.02) | ND (0.02) |
| Sodium[3] | E200.8 | µg/L | 250,000 | 4770 | 4560 BQ1 | 4750 BQ1 | 5240 BQ1 |
| Thallium | E200.8 | µg/L | 2 | ND (0.05) | ND (0.05) | ND (0.05) | ND (0.02) |
| Tin | E200.8 | µg/L | NE | ND (1) | ND (1) | ND (1) | ND (1) |
| Vanadium | E200.8 | µg/L | NE | 2.72 | 2.73 | 2.58 | 3.14 |
| Zinc[3] | E200.8 | µg/L | 5,000 | 3.57 BQ | 10 J | 10.5 J | 15.2 J- |
| **Total Metals** | | | | | | | |
| Aluminum | E200.8 | µg/L | NE | 11.2 J, BQ | 10.4 BQ, BQ1, J | 10.7 J, BQ, BQ1 | 9.7 BQ1 |
| Antimony | E200.8 | µg/L | 6 | ND (0.2) | ND (0.2) | ND (0.2) | 0.06 |
| Arsenic | E200.8 | µg/L | 50 | 2.71 | 2.47 BQ1 | 2.48 BQ1 | 3.2 BQ1 |
| Barium | E200.8 | µg/L | 2,000 | 0.107 J | 0.142 J, BQ1 | 0.136 J, BQ1 | 0.12 BQ1 |
| Beryllium | E200.8 | µg/L | 4 | ND (0.03) | ND (0.03) | ND (0.03) | ND (0.02) |
| Bismuth | E200.8 | µg/L | NE | ND (5) | ND (5) | ND (5) | 0.009 J |
| Boron | E200.7 | µg/L | NE | ND (10) | ND (10) | ND (10) | 3 |
| Cadmium | E200.8 | µg/L | 5 | 0.0386 J, BQ | ND (0.1) | ND (0.1) | ND (0.02) |
| Calcium | E200.8 | µg/L | NE | 11300 | 12000 | 11600 | 12500 |
| Chromium | E200.8 | µg/L | 100 | 0.398 | ND (0.2) | 0.124 J | 0.41 |
| Cobalt | E200.8 | µg/L | NE | ND (0.1) | ND (0.1) | ND (0.1) | 0.08 BQ1 |
| Copper | E200.8 | µg/L | 1,000 | 1.48 | 2.13 BQ1 | 1.76 BQ1 | 1.55 J, BQ1 |
| Iron[3] | E200.8 | µg/L | 300 | ND (20) | ND (20) | ND (20) | ND (20) |
| Lead | E200.8 | µg/L | NE | ND (0.2) | 0.14 J | ND (0.2) | 0.117 |
| Magnesium | E200.8 | µg/L | NE | 1140 | 1060 | 1070 | 1220 |
| Manganese[3] | E200.8 | µg/L | 50 | ND (1) | ND (1) | ND (1) | 0.23 BQ1 |
| Mercury | E1631 | µg/L | 2 | ND (0.001) | ND (0.2) [5] | 0.144 J, BQ, BQ1[5] | ND (0.2) [5] |
| Molybdenum | E200.8 | µg/L | NE | ND (1) | 0.327 J | ND (1) | 0.53 |
| Nickel | E200.8 | µg/L | 100 | 0.295 | 0.613 BQ1 | 0.244 BQ1 | 0.6 BQ1 |
| Potassium | E200.8 | µg/L | NE | 189 | 187 | 183 | 156 J |
| Selenium | E200.8 | µg/L | 50 | ND (1) | ND (1) | ND (1) | 0.4 J |
| Silver | E200.8 | µg/L | NE | ND (0.02) | ND (0.02) | ND (0.02) | ND (0.02) |
| Sodium[3] | E200.8 | µg/L | 250,000 | 4600 | 4660 BQ1 | 4730 BQ1 | 5200 BQ1 |
| Thallium | E200.8 | µg/L | 2 | ND (0.05) | ND (0.05) | ND (0.05) | 0.01 J, BQ |

| Parameter | Method | Units | ADEC Criteria[1] | 072104ILIWIGW001 ILIWI 7/21/2004 | 102004ILIWIGW001 ILIWI 10/20/2004 | 102004ILIWIGW201 ILIWI Duplicate 10/20/2004 | 102004ILIWIGW301 ILIWI Triplicate 10/20/2004 |
|---|---|---|---|---|---|---|---|
| Tin | E200.8 | µg/L | NE | ND (1) | ND (1) | ND (1) | ND (1) |
| Vanadium | E200.8 | µg/L | NE | 2.67 | 2.63 | 2.68 | 3.18 |
| Zinc[3] | E200.8 | µg/L | 5,000 | 4.52 | 0.2 J | 4.38 J, BQ1 | 4.9 J, BQ1 |
| **Other Parameters** | | | | | | | |
| Acidity, Total | E305.2 | mg/L | NE | ND (10) | ND (10) | ND (10) | 2 |
| Alkalinity, Total | A2320B | mg/L | NE | 44 | 45 | 46 | 44 |
| Chloride[3] | E300.0 | mg/L | 250 | 1.16 | 1.27 | 1.23 | 0.9 |
| Cyanide | A4500CE | mg/L | 0.2 | ND (0.005) | 0.0028 J | 0.003 J | ND (0.005) |
| Cyanide, Weak Acid Dissociable | A4500CN | mg/L | NE | ND (0.005) | ND (0.005) | ND (0.005) | ND (0.005) |
| Fluoride[3] | E300.0 | mg/L | 2 | 0.071 J | 0 J | ND (0.1) | ND (0.1) |
| Hardness as CaCO3 (total) | A2340B | mg/L | NE | 32.8 | 34.3 | 33.5 | 36.2 |
| Hardness as CaCO3 (dissolved) | A2340B | mg/L | NE | 33.2 | | | |
| Nitrogen, Ammonia (as N) | A4500NH | mg/L | NE | ND (0.1) | ND (0.1) | ND (0.1) | ND (0.1) |
| Nitrogen, Nitrate-Nitrite | E300.0 | mg/L | 10 | 0.67 J, J- | ND (2) | 3.1 | 0.3 |
| pH[3] | E150.1 | pH units | 6.5-8.5 | 8.36 | 8.5 | 8.58 | 8.59 |
| Phosphorus, Total (as P) | E365.3 | mg/L | NE | ND (0.1) | ND (0.1) | 0.04 J | 0.05 |
| Specific Conductance | A2510B | µmHOS/cm | NE | 100 | 100 | 95 | 90 |
| Sulfate[3] | E300.0 | mg/L | 250 | 2.16 | 2.05 | 2.01 | 1.6 |
| Thiocyanate | A4500M | mg/L | NE | ND (1) | 0.18 J | ND (1) | ND (1) |
| Total Dissolved Solids[3] | A2540C | mg/L | 500 | 77.5 BQ | 61.3 | 66.3 | 80 |
| Total Suspended Solids | E160.2 | mg/L | NE | 0.2 J, BQ | 5.65 J, BQ1 | ND (0.5) | |
| **Field Measurements** | | | | | | | |
| Conductivity | Field | mS/cm | NE | 0.119 | 0.238 | -- | -- |
| Dissolved Oxygen | Field | mg/L | NE | 12.4 | 12.1 | -- | -- |
| pH | Field | pH units | NE | 8.86 | 5.17 | -- | -- |
| Turbidity[4] | Field | NTU | 5 | 4 | 10 | -- | -- |
| Temperature | Field | °C | NE | 12.1 | 5.7 | -- | -- |

Concentrations that exceed the ADEC criteria are highlighted.

1. Alaska Administrative Code 18 Chapter 80 (18 AAC 80) Drinking Water primary and secondary maximum contaminant levels (MCLs).
2. Lead and Copper Rule MCLs are 15 µg/L for lead and 1300 µg/L copper. The secondary contaminant MCL for copper is 1,000 µg/L.
3. 18 AAC 80 Drinking Water secondary MCLs. The primary MCL for Fluoride is 4.0 µg/L.
4. Field turbidity measurements recorded during sampling events were not consistent with regular monitoring data from puclic water supply points and are considered unreliable.
5. Method is E245.1.

ADEC = Alaska Department of Environmental Conservation

°C = degrees Celsius
mg/L = milligrams per liter
mS/cm = milliSiemens per centimeter
µg/L = micrograms per liter
µmhos/cm = micromhos per centimeter
ND = not detected (above level shown)
NE = not established
NTU = nephelometric turbidity units

R – The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the sample.
J – The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J- – The result is an estimated quantity, but the result may be biased low.
BQ – The result is associated with blank contamination at a level less than or equal to five times the concentration in the blank (ten times for common laboratory contaminants). Result should be
BQ1 – The result is associated with inorganic field blank (equipment blank, DI water blank or trip blank) contamination at a level less than or equal to five times the concentration in the blank for contaminants below the MRL (ten times for contaminants above the MRL). Result should be considered not detected at the concentration of the MRL for those results reported below it or as estimated high for those reported above the MRL.

**TABLE 6-27**
**2004 Validated Groundwater Analytical Results, Pedro Bay Tribal Council Well**

| Parameter | Method | Units | ADEC Criteria[1] | 072204PEDROGW001 PEDRO 7/22/2004 | 101604PEDROGW001 PEDRO 10/16/2004 |
|---|---|---|---|---|---|
| **Dissolved Metals** | | | | | |
| Aluminum | E200.8 | µg/L | NE | 10.1 J, BQ | 16.7 BQ |
| Antimony | E200.8 | µg/L | 6 | 0.195 J | 0.21 |
| Arsenic | E200.8 | µg/L | 50 | 10 | 9.46 |
| Barium | E200.8 | µg/L | 2,000 | 36.1 | 34.1 |
| Beryllium | E200.8 | µg/L | 4 | ND (0.03) | ND (0.03) |
| Bismuth | E200.8 | µg/L | NE | ND (5) | ND (5) |
| Boron | E200.7 | µg/L | NE | ND (10) | ND (10) |
| Cadmium | E200.8 | µg/L | 5 | ND (0.1) | ND (0.1) |
| Calcium | E200.8 | µg/L | NE | 12100 | 10800 |
| Chromium | E200.8 | µg/L | 100 | 0.2 | 0.495 |
| Cobalt | E200.8 | µg/L | NE | ND (0.1) | ND (0.1) |
| Copper[2] | E200.8 | µg/L | 1,000 | 1.1 | 0.634 |
| Iron[3] | E200.8 | µg/L | 300 | ND (20) | ND (20) |
| Lead[2] | E200.8 | µg/L | 15 | 0.157 J | 0.104 J |
| Magnesium | E200.8 | µg/L | NE | 776 | 833 |
| Manganese[3] | E200.8 | µg/L | 50 | ND (1) | ND (1) |
| Molybdenum | E200.8 | µg/L | NE | 0.775 J | 0.751 J |
| Nickel | E200.8 | µg/L | 100 | 0.521 J | 0.354 |
| Potassium | E200.8 | µg/L | NE | 1210 | 980 |
| Selenium | E200.8 | µg/L | 50 | ND (1) | ND (1) |
| Silicon | E200.7 | µg/L | NE | 5560 | 5490 |
| Silver | E200.8 | µg/L | NE | ND (0.02) | ND (0.02) |
| Sodium[3] | E200.8 | µg/L | 250,000 | 2180 | 2100 |
| Thallium | E200.8 | µg/L | 2 | ND (0.05) | ND (0.05) |
| Tin | E200.8 | µg/L | NE | ND (1) | ND (1) |
| Vanadium | E200.8 | µg/L | NE | 4.94 | 4.38 |
| Zinc[3] | E200.8 | µg/L | 5,000 | 2.18 | 5.19 J |
| **Total Metals** | | | | | |
| Aluminum | E200.8 | µg/L | NE | 27.4 BQ | 39.3 |
| Antimony | E200.8 | µg/L | 6 | 0.256 BQ | 0.191 J |
| Arsenic | E200.8 | µg/L | 50 | 9.8 | 9.35 |
| Barium | E200.8 | µg/L | 2,000 | 33.9 | 31 |
| Beryllium | E200.8 | µg/L | 4 | ND (0.03) | ND (0.03) |
| Bismuth | E200.8 | µg/L | NE | ND (5) | ND (5) |
| Boron | E200.7 | µg/L | NE | 3.5 J | ND (10) |
| Cadmium | E200.8 | µg/L | 5 | 0.0655 J, BQ | ND (0.1) |
| Calcium | E200.8 | µg/L | NE | 11800 | 10900 |
| Chromium | E200.8 | µg/L | 100 | 0.336 | 0.39 |
| Cobalt | E200.8 | µg/L | NE | ND (0.1) | ND (0.1) |
| Copper | E200.8 | µg/L | 1,000 | 1.18 | 1.05 |
| Iron[3] | E200.8 | µg/L | 300 | 13.1 J | 18.8 |
| Lead | E200.8 | µg/L | NE | ND (0.2) | ND (0.2) |
| Magnesium | E200.8 | µg/L | NE | 909 | 815 |
| Manganese[3] | E200.8 | µg/L | 50 | 0.777 J | 1.32 |
| Mercury | E1631 | µg/L | 2 | ND (0.001) | |
| Molybdenum | E200.8 | µg/L | NE | 0.573 J | 0.639 J |
| Nickel | E200.8 | µg/L | 100 | 0.317 J | 0.276 |
| Potassium | E200.8 | µg/L | NE | 1180 | 1020 |
| Selenium | E200.8 | µg/L | 50 | ND (1) | ND (1) |

| Parameter | Method | Units | ADEC Criteria[1] | 072204PEDROGW001 PEDRO 7/22/2004 | 101604PEDROGW001 PEDRO 10/16/2004 |
|---|---|---|---|---|---|
| Silver | E200.8 | µg/L | NE | ND (0.02) | ND (0.02) |
| Sodium[3] | E200.8 | µg/L | 250,000 | 2240 | 2060 |
| Thallium | E200.8 | µg/L | 2 | ND (0.05) | ND (0.05) |
| Tin | E200.8 | µg/L | NE | ND (1) | ND (1) |
| Vanadium | E200.8 | µg/L | NE | 4.57 | 4.24 |
| Zinc[3] | E200.8 | µg/L | 5,000 | 2.77 BQ | 2.9 J |
| **Other Parameters** | | | | | |
| Acidity, Total | E305.2 | mg/L | NE | ND (10) | ND (10) |
| Alkalinity, Total | A2320B | mg/L | NE | 36.5 | 36 |
| Chloride[3] | E300.0 | mg/L | 250 | 1.53 | 1.59 |
| Cyanide | A4500CE | mg/L | 0.2 | ND (0.005) | 0.0061 |
| Cyanide, Weak Acid Dissociable | A4500CN | mg/L | NE | ND (0.005) | 0.003 |
| Fluoride[3] | E300.0 | mg/L | 2 | 0.55 | 0.359 J- |
| Hardness as CaCO3 (total) | A2340B | mg/L | NE | 33.3 | 30.6 |
| Hardness as CaCO3 (dissolved) | A2340B | mg/L | NE | 33.5 | -- |
| Nitrogen, Ammonia (as N) | A4500NH | mg/L | NE | ND (0.1) | 0.047 BQ |
| Nitrogen, Nitrate-Nitrite | E300.0 | mg/L | 10 | 0.58 J | ND (1) |
| pH[3] | E150.1 | pH units | 6.5-8.5 | 8.3 | 8.41 |
| Phosphorus, Total (as P) | E365.3 | mg/L | NE | ND (0.1) | ND (0.1) |
| Specific Conductance | A2510B | µmHOS/cm | NE | 90 | 95 |
| Sulfate[3] | E300.0 | mg/L | 250 | 4.39 | 4.39 |
| Thiocyanate | A4500M | mg/L | NE | ND (1) | ND (1) |
| Total Dissolved Solids[3] | A2540C | mg/L | 500 | 75 | 63.8 |
| Total Suspended Solids | E160.2 | mg/L | NE | 1 | 0.7 |
| **Field Measurements** | | | | | |
| Conductivity | Field | mS/cm | NE | 0.092 | 0.08 |
| Dissolved Oxygen | Field | mg/L | NE | 14.49 | 12.1 |
| pH | Field | pH units | NE | 6.18 | 6.6 |
| Turbidity | Field | NTU | 5 | 10 | 18 |
| Temperature | Field | °C | NE | 8.2 | 6 |

Concentrations that exceed the ADEC criteria are highlighted.

1. Alaska Administrative Code 18 Chapter 80 (18 AAC 80) Drinking Water primary and secondary maximum contaminant levels (MCLs).
2. Lead and Copper Rule MCLs are 15 µg/L for lead and 1300 µg/L copper. The secondary contaminant MCL for copper is 1,000 µg/L.
3. 18 AAC 80 Drinking Water secondary MCLs. The primary MCL for Fluoride is 4.0 µg/L.
4. Field turbidity measurements recorded during sampling events were not consistent with regular monitoring data from puclic water supply points and are considered unreliable.

ADEC = Alaska Department of Environmental Conservation

°C = degrees Celsius
mg/L = milligrams per liter
mS/cm = milliSiemens per centimeter
µg/L = micrograms per liter
µmhos/cm = micromhos per centimeter
ND = not detected (above level shown)
NE = not established
NTU = nephelometric turbidity units

R – The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the sample.
J – The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J- – The result is an estimated quantity, but the result may be biased low.
BQ – The result is associated with blank contamination at a level less than or equal to five times the concentration in the blank (ten times for common laboratory contaminants). Result should be considered not

BQ1 – The result is associated with inorganic field blank (equipment blank, DI water blank or trip blank) contamination at a level less than or equal to five times the concentration in the blank for contaminants below the MRL (ten times for contaminants above the MRL). Result should be considered not detected at the concentration of the MRL for those results reported below it or as estimated high for those reported above the MRL.

# FIGURES

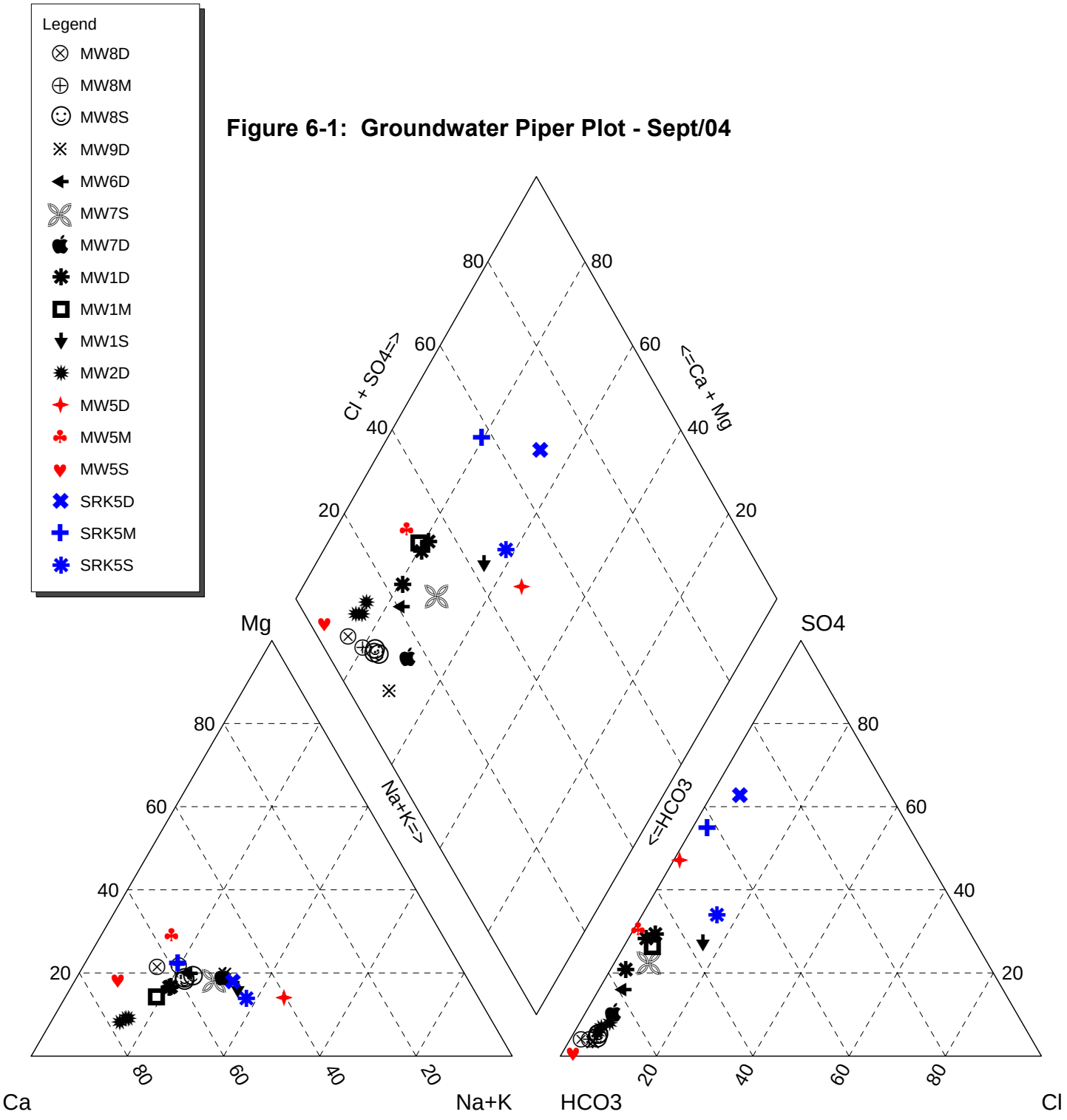
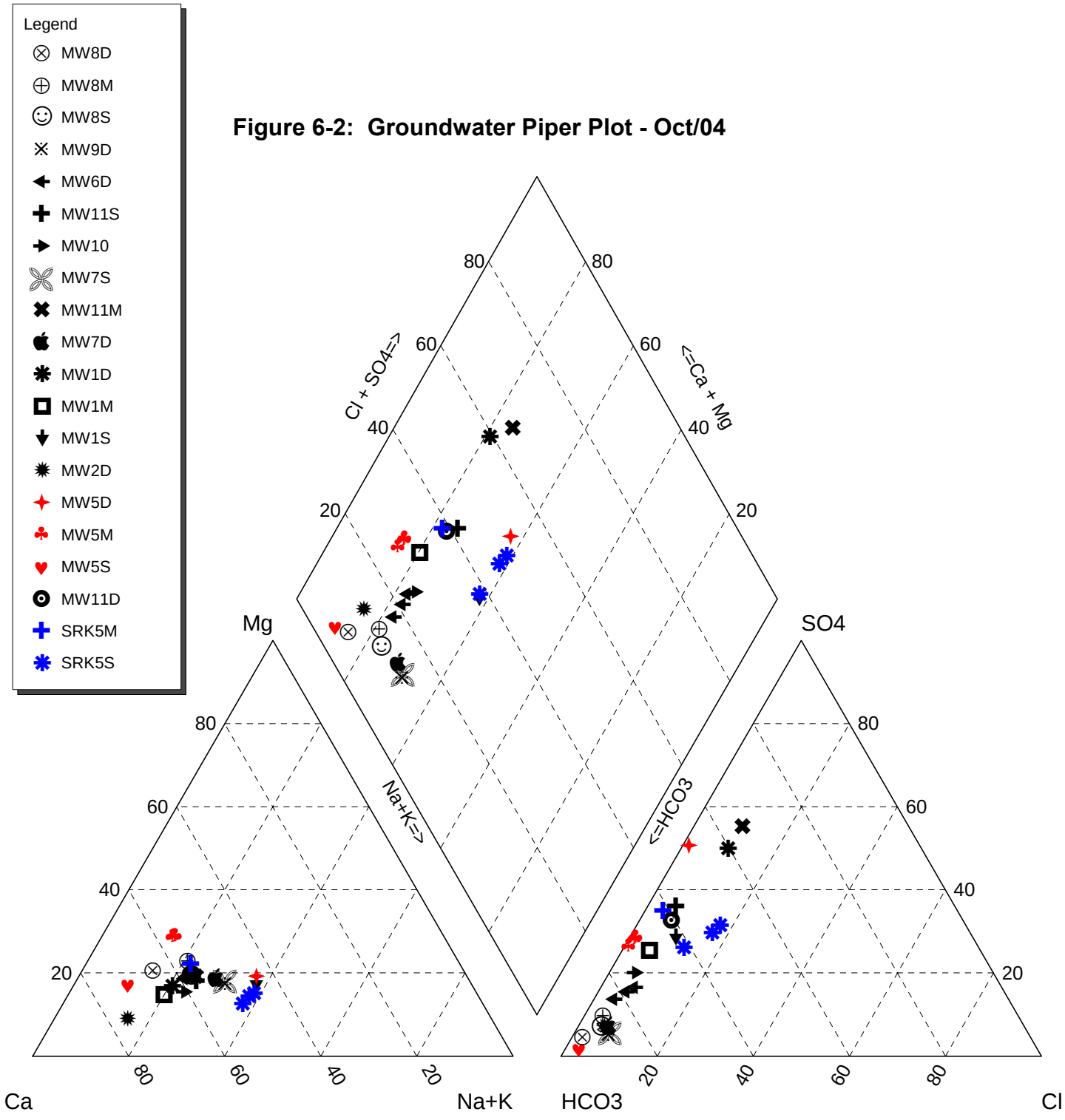


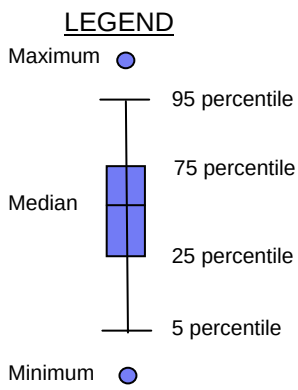

**Figure 6-1: Groundwater Piper Plot - Sept/04**

| | | |
|---|---|---|
| WATER MANAGEMENT CONSULTANTS | PROJECT: Pebble | FIGURE NO: 6-1 |
| | CLIENT: Northern Dynasty Mines Inc. | DATE: October 18, 2005 |

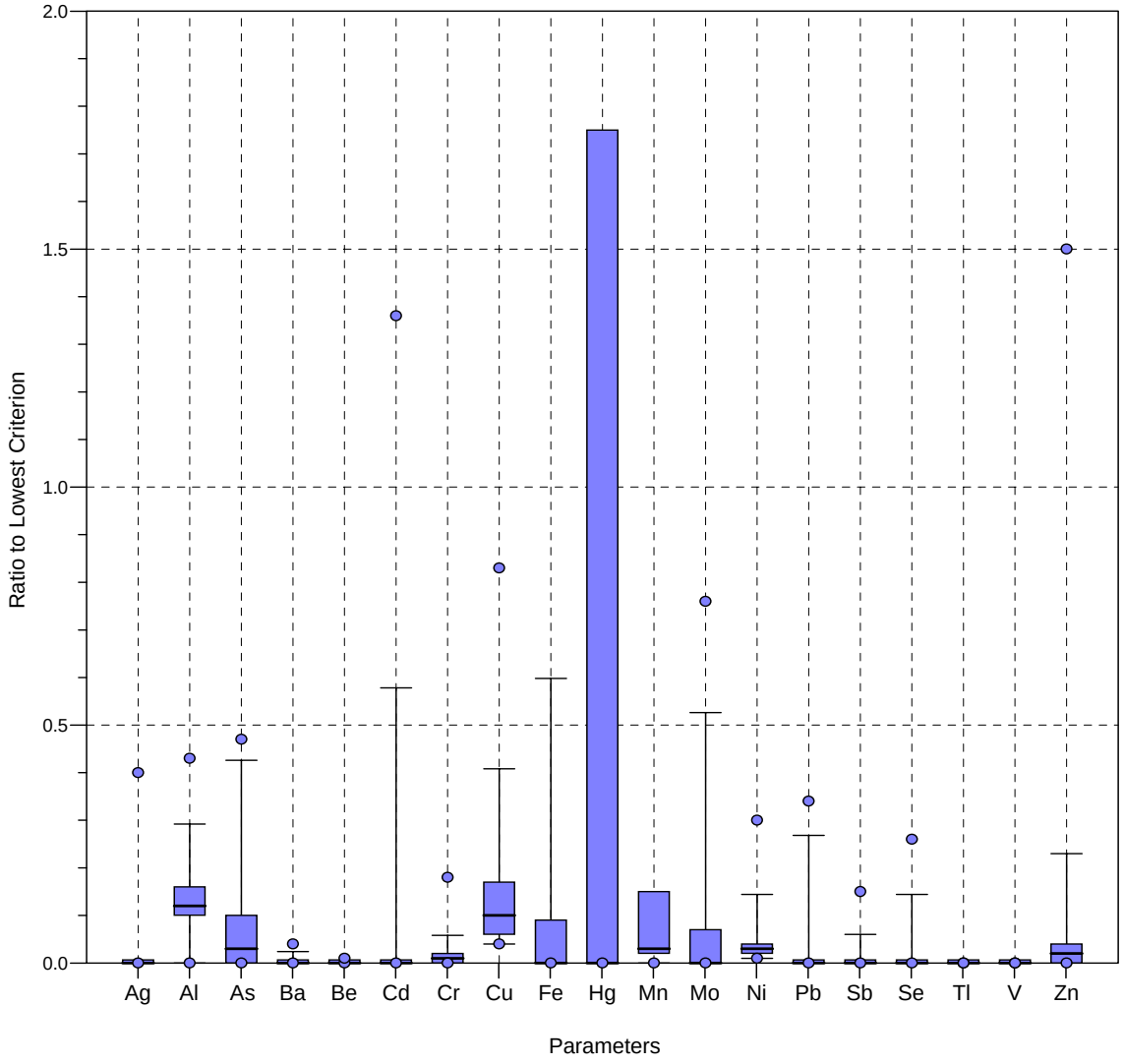
## Figure 6-2: Groundwater Piper Plot - Oct/04




| | | |
|---|---|---|
| WATER MANAGEMENT CONSULTANTS | PROJECT: Pebble | FIGURE NO: 6-2 |
| | CLIENT: Northern Dynasty Mines Inc. | DATE: October 18, 2005 |




**Ratio to Lowest Criterion for Metals in Groundwater**




| | | | |
|---|---|---|---|
| WATER MANAGEMENT CONSULTANTS | PROJECT: Pebble | FIGURE NO.: | 6-2a |
| | CLIENT: NDM Mines Inc. | DATE: | Oct 28, 2005 |

159°36'0"W 159°12'0"W 158°48'0"W 158°24'0"W 158°0'0"W 157°36'0"W 157°12'0"W 156°48'0"W 156°24'0"W 156°0'0"W 155°36'0"W 155°12'0"W 154°48'0"W 154°24'0"W 154°0'0"W 153°36'0"W 153°12'0"W 152°48'0"W

61°0'0"N
60°48'0"N
60°36'0"N
60°24'0"N
60°12'0"N
60°0'0"N
59°48'0"N
59°36'0"N
59°24'0"N
59°12'0"N
59°0'0"N
58°48'0"N
58°36'0"N
58°24'0"N

Chakachamna Lake
Tikchik Lakes
Nushagak River Watershed
Tikchik Lake
Mulchatna River
Lake Clark
Port Alsworth
Ore Body
Iliamna
Nushagak River
Kvichak River Watershed
Iliamna Lake
Kvichak River
Cook Inlet
Kukaklek Lake
Dillingham
Nushagak
Kvichak
Nonvianuk Lake
Clarks Point
Naknek
King Salmon
Naknek Lake
Bristol Bay

159°0'0"W 158°36'0"W 158°12'0"W 157°48'0"W 157°24'0"W 157°0'0"W 156°36'0"W 156°12'0"W 155°48'0"W 155°24'0"W 155°0'0"W 154°36'0"W 154°12'0"W 153°48'0"W 153°24'0"W 153°0'0"W

Northern Dynasty Mines Inc.

**Pebble Project**

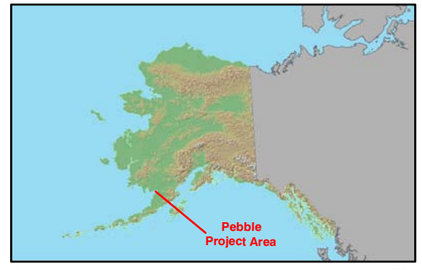
Watersheds in Baseline Study Area
Figure 6-3

## Legend

- Kvichak Watershed
- Nushagak Watershed
- Villages
- Project Study Area

Sites from HDR, file date 02/03/2005

*Privileged and Confidential*




N

0 50 Miles

0 50 Kilometers

Scale 1:1,250,000

**Alaska State Plane Zone 5 (units feet)**
**1983 North American Datum**

| | |
|---|---|
| **File: Fig6.3Hydroview_LS.mxd** | **Date: October 24, 2005** |
| **Version: 1** | **Author: HDR-LS** |

Z:\200847 Northern Dynasty Minerals\19612 Surface Water Hydrology - Mine\GIS\MXD\Fig6.3Hydroview_LS.mxd

155°48'0"W 155°36'0"W 155°24'0"W 155°12'0"W 155°0'0"W

60°0'0"N

59°48'0"N

North Fork Koktuli River

Ore Body

KR100A

Koktuli River

NK100A

SK100A

Upper Talarik Creek

South Fork Koktuli River

Kaskanak Creek

KC100A

UT100A

# Northern Dynasty Mines Inc.

## Pebble Project

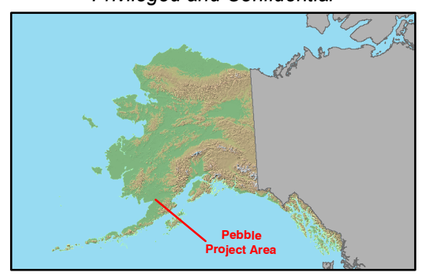
Watersheds Designated for
Baseline Study Program
Figure 6-4

## Legend

- Furthest Downstream Location in Each Watershed
- Ore Body
- Watershed Area Boundaries for Hydrology and Surface Water Study Area

Sites from HDR, file date 02/03/2005

*Privileged and Confidential*




N

0 8 Miles

0 8 Kilometers

Scale 1:200,000

**Alaska State Plane Zone 5 (units feet)**
**1983 North American Datum**

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|---|---|
| **File: Fig 6.2Monsitedrainages.mxd** | **Date: October 24, 2005** |
| **Version: 1** | **Author: HDR-LS** |

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155°48'0"W 155°36'0"W 155°24'0"W 155°12'0"W 155°0'0"W

59°48'0"N

CR198A
CR199A
NK100D
NK100B
NK100C
UT100D
UT100E
Seep 8
Seep 11
Seep 9
NK119B
SK136B
UT146A
UT138A
UT135B
NK100B
NK119A
Seep 4
UT141A
KR100A
SK134A
SK136A
Seep 6
SK133A
NK100A
Seep 3
SK100G
UT135A
Seep 2
SK131A
SK119A
SK100F
Seep 1
SK100D
SK100E
SK100A
Seep 10
Seep 5
UT100C
SK100C
UT119B
SK100B
Seep 7
UT119A
UT100B
KC100A
UT100A

North Fork Koktuli River
Koktuli River
South Fork Koktuli River
Kaskanak Creek
Upper Talarik Creek

155°48'0"W 155°36'0"W 155°24'0"W 155°12'0"W 155°0'0"W

Northern Dynasty Mines Inc.

**Pebble Project**

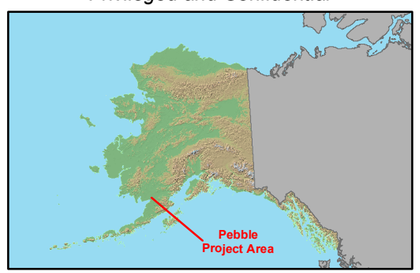
2004 Water Quality Baseline Sites
Figure 6-5

## Legend

- Surface Water Locations
- Surface Water Locations Short Term Sites 2004
- Seep Locations

Sites from HDR, file date 01/25/2005

*Privileged and Confidential*




N

0 5,000 10,000 20,000 30,000 40,000 Feet

0 1,375 2,750 5,500 8,250 11,000 Meters

Scale 1:170,198

**Alaska State Plane Zone 5 (units feet)**
**1983 North American Datum**

| | |
|---|---|
| **File: WQ all sites Figure. 6-5.mxd** | **Date: October 24, 2005** |
| **Version: 1** | **Author: HDR-LS** |

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155°48'0"W 155°36'0"W 155°24'0"W 155°12'0"W 155°0'0"W

59°48'0"N

009 04
008 04
UT146A
011 04
004 04
006 04
003 04
002 04
001 04
SK119A
010 04
005 04
007 04

Kokhtuli River
North Fork Kokhtuli River
South Fork Kokhtuli River
Kaskanak Creek
Upper Talarik Creek

155°48'0"W 155°36'0"W 155°24'0"W 155°12'0"W 155°0'0"W

Northern Dynasty Mines Inc.

**Pebble Project**

2004 Seep Baseline Sites
Figure 6-6

## Legend

- 2004 Seep Baseline Locations
- Paired Surface Water Baseline Locations

*Privileged and Confidential*


N

0 5,000 10,000 20,000 30,000 40,000 Feet

0 1,375 2,750 5,500 8,250 11,000 Meters

Scale 1:170,198

**Alaska State Plane Zone 5 (units feet)**
**1983 North American Datum**

| | |
|---|---|
| **File: 204_Seeps_LS.mxd** | **Date: October 24, 2005** |
| | **Author: HDR-LS** |

Z:\200847 Northern Dynasty Minerals\19615 Water Quality - Mine\GIS\MXD\Seeps\2004_Seeps_LS.mxd

1,400,000 1,450,000 1,500,000 1,550,000 1,600,000 1,650,000 1,700,000 1,750,000

2,250,000 2,200,000 2,150,000 2,100,000 2,050,000 2,000,000

LAKE CLARK A-7 LAKE CLARK A-6 LAKE CLARK A-5 LAKE CLARK A-4 LAKE CLARK A-3 LAKE CLARK A-2

ILIAMNA D-7 ILIAMNA D-6 ILIAMNA D-5 ILIAMNA D-4 ILIAMNA D-3 ILIAMNA D-2

ILIAMNA C-7 ILIAMNA C-6 ILIAMNA C-5 ILIAMNA C-4 ILIAMNA C-3 ILIAMNA C-2

ILIAMNA B-7 ILIAMNA B-6 ILIAMNA B-5 ILIAMNA B-4 ILIAMNA B-3 ILIAMNA B-2

**Nondalton**

**Iliamna**

**Newhalen**

**Pedro Bay**

1,400,000 1,450,000 1,500,000 1,550,000 1,600,000 1,650,000 1,700,000 1,750,000

Northern Dynasty Mines Inc.

**Pebble Project**

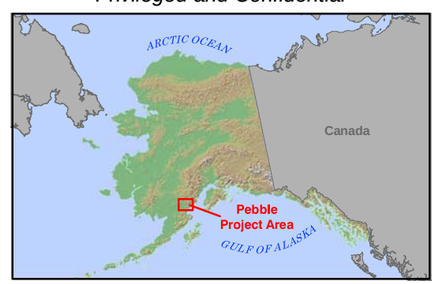
# Groundwater Well Sample Locations

Figure 6-7

## Legend

- Groundwater Well Sample Location
- Port Site 1
- Proposed Road Corridor
- Quadrangle 63360

*Privileged and Confidential*




0 16,000 32,000 48,000 64,000 Feet

0 4,500 9,000 13,500 18,000 Meters

Scale 1:361,929

N

**Alaska State Plane Zone 5 (units US feet)**
**1983 North American Datum**

| | |
|---|---|
| **File: WaterGrnd_V01.mxd** | **Date: Feb. 3, 2005** |
| **Version: 1** | **Author: BEESC-ME** |

1,400,000 1,450,000 1,500,000 1,550,000 1,600,000 1,650,000 1,700,000 1,750,000

2,250,000 2,200,000 2,150,000 2,100,000 2,050,000 2,000,000

NHRIV
GS20a
GS18a
GS17a
GS14a
GS14b
GS12a
GS11a
GS8a
GS7a
GS6a
GS4a
GS4b
GS3a
GS20
GS21

Northern Dynasty Mines Inc.

**Pebble Project**

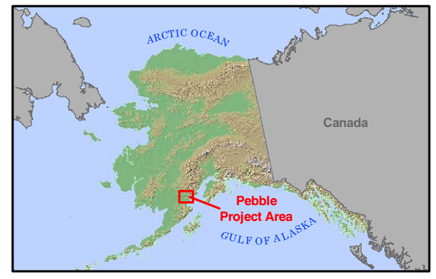
Surface Water Sample Locations
Road - Port

Figure 6-8

## Legend

- Surface Water Sample Site
- Port Site 1
- ADOT&PF Preferred Road Corridor

*Privileged and Confidential*




0 16,000 32,000 48,000 64,000 Feet

0 4,900 9,800 14,700 19,600 Meters

Scale 1:361,929

N

**Alaska State Plane Zone 5 (units US feet)**
**1983 North American Datum**

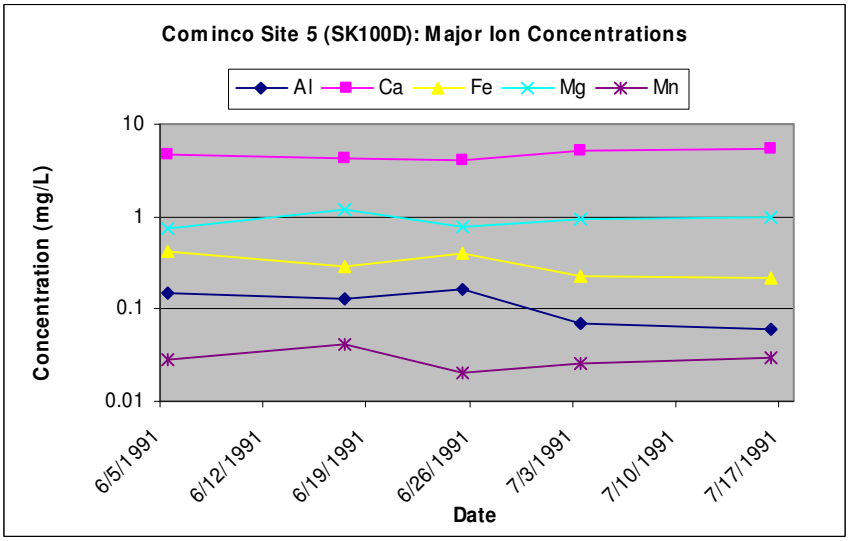
| | |
|---|---|
| File: WaterQual_V02.mxd | Date: Sept. 13, 2005 |
| Version: 2 | Author: BEESC-ME |

# APPENDICES

# APPENDIX 6-A
# Cominco Historical Data

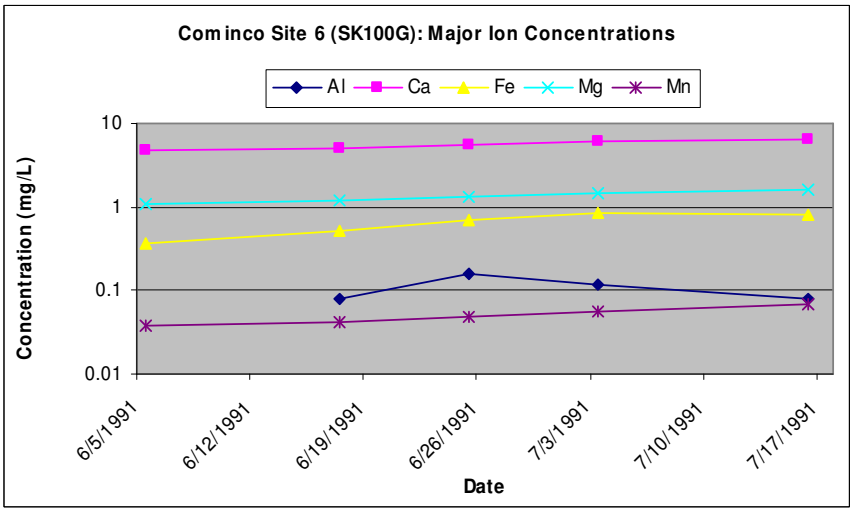
**Ion Concentrations (mg/L)**
**Cominco Site 5**

| Date | Al | Ca | Fe | Mg | Mn |
|---|---|---|---|---|---|
| 6/5/1991 | 0.15 | 4.77 | 0.43 | 0.75 | 0.028 |
| 6/17/1991 | 0.13 | 4.23 | 0.29 | 1.18 | 0.042 |
| 6/25/1991 | 0.16 | 4.11 | 0.4 | 0.79 | 0.02 |
| 7/3/1991 | 0.07 | 5.1 | 0.23 | 0.95 | 0.026 |
| 7/16/1991 | 0.06 | 5.52 | 0.22 | 0.97 | 0.029 |



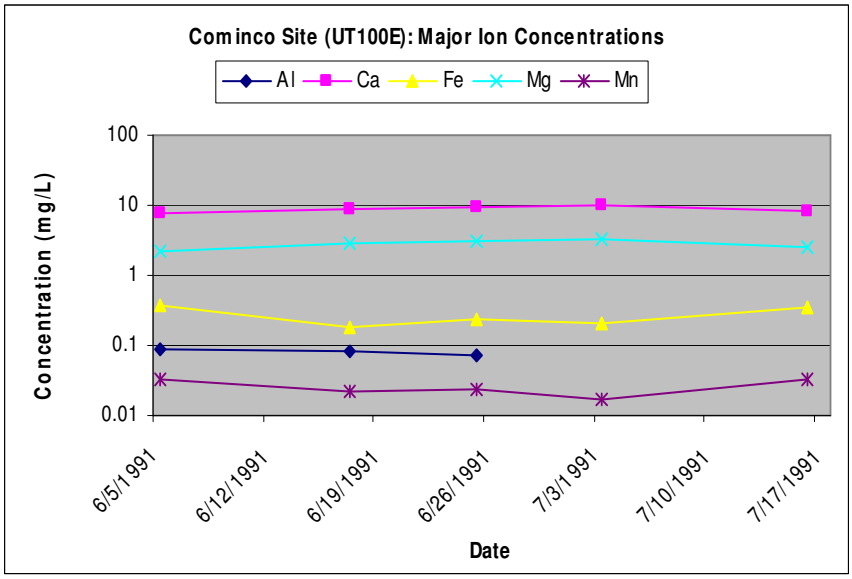

**Ion Concentrations (mg/L)**
**Cominco Site 6**

| Date | Al | Ca | Fe | Mg | Mn |
|---|---|---|---|---|---|
| 6/5/1991 | | 4.8 | 0.36 | 1.1 | 0.037 |
| 6/17/1991 | 0.08 | 4.91 | 0.53 | 1.18 | 0.042 |
| 6/25/1991 | 0.16 | 5.53 | 0.69 | 1.35 | 0.048 |
| 7/3/1991 | 0.12 | 6.1 | 0.86 | 1.48 | 0.057 |
| 7/16/1991 | 0.08 | 6.46 | 0.82 | 1.61 | 0.069 |



**Ion Concentrations (mg/L):**
**Cominco Site 8**

| Date | Al | Ca | Fe | Mg | Mn |
|---|---|---|---|---|---|
| 6/5/1991 | 0.09 | 7.55 | 0.37 | 2.17 | 0.033 |
| 6/17/1991 | 0.08 | 8.96 | 0.18 | 2.86 | 0.022 |
| 6/25/1991 | 0.07 | 9.32 | 0.23 | 2.99 | 0.023 |
| 7/3/1991 | | 10.3 | 0.2 | 3.26 | 0.017 |
| 7/16/1991 | | 8.26 | 0.36 | 2.54 | 0.032 |



## Comparison of Cominco MRLs to Pebble MRLs

| Parameter | Cominco MRL (ug/L) | Pebble MRL (ug/L) | Percent Reduction |
|---|---|---|---|
| Aluminum | 50 | 25 | 50.00% |
| Antimony | 50 | 0.2 | |
| Arsenic | 5 | 0.5 | 90.00% |
| Barium | 5 | 0.3 | 94.00% |
| Beryllium | 5 | 0.03 | 99.40% |
| Cadmium | 3 | 0.1 | 96.67% |
| Calcium | 50 | 50 | 0.00% |
| Chromium | 5 | 0.2 | 96.00% |
| Cobalt | 10 | 0.1 | 99.00% |
| Copper | 10 | 0.2 | 98.00% |
| Iron | 20 | 20 | 0.00% |
| Lead | 2 | 0.2 | 90.00% |
| Magnesium | 10 | 20 | -100.00% |
| Manganese | 5 | 1 | 80.00% |
| Mercury | 0.5 | 0.001 | 99.80% |
| Molybdenum | 10 | 1 | 90.00% |
| Nickel | 20 | 0.2 | 99.00% |
| Potassium | 2000 | 50 | 97.50% |
| Selenium | 5 | 1.0 | |
| Silver | 10 | 0.02 | 99.80% |
| Sodium | 100 | 100 | 0.00% |
| Thallium | 5 | 0.05 | 99.00% |
| Vanadium | 10 | 0.4 | 96.00% |
| Zinc | 10 | 1.5 | 85.00% |

# APPENDIX 6-B
# 2004 Surface-water Station-location Changes in Mine Study Area

## Table 6B-1. Water Quality Baseline Sites - Location Changes

| SITE | Moved | When | Direction | River Distance (ft) | Direct Distance (ft) | Tributary involved | COMMENTS | STATUS |
|---|---|---|---|---|---|---|---|---|
| CR198A | no | | | | | | Dropped in June | Dropped |
| CR199A | no | | | | | | Dropped in June | Dropped |
| KC100A | yes | May | upstream | 10,800' | | 2 | Moved 2+ miles upriver between April and May; Two tributaries involved; April coordinates from J. Baker fieldbook | |
| KR100A | no | | | | | | Location did not change in 2004; April coordinates from J. Baker fieldbook | |
| NK100A | yes | May | upstream | 14,260' | 10,250' | | Moved approx. 2.7 miles upriver between April and May; No tributaries involved; April coordinates from J. Baker fieldbook | |
| NK100B | yes | Aug | upstream | 34,100' | 23,000' | 8 | Deleted in June; moved in July; sampled in Aug-Oct; April coordinates from J. Baker fieldbook | |
| NK100C | yes | May | upstream | 1,000' | 800' | | April coordinates from J. Baker fieldbook | |
| NK100D | yes | May | downstream | 2,750' | | 2 | Dropped in June; April coordinates verified by J. Baker 05/05 | Dropped |
| NK119A | yes | June | upstream | 5,260' | 5,000' | 2 | April coordinates from J. Baker fieldbook | |
| NK119B | yes | May | downstream | 6,500' | | | April coordinates from J. Baker fieldbook | |
| SK100A | no | | | | | | Location did not change in 2004; April coordinates from J. Baker fieldbook | |
| SK100B | yes | May | downstream | 5,360' | 4,300' | 1 | April coordinates from J. Baker fieldbook | |
| SK100C | yes | May | upstream | 3.300' | | 1 | April coordinates verified by J. Baker 05/05 | |
| SK100D | yes | May | upstream | 1,000' | | | April coordinates verified by J. Baker 05/05 | |
| SK100E | no | | | | | | Dropped in June; April coordinates verified by J. Baker 05/05 | Dropped |
| SK100F | no | | | | | | Location did not change in 2004; Not sampled in April | |
| SK100G | no | | | | | | Location did not change in 2004; April coordinates from J. Baker fieldbook | |
| SK119A | no | | | | | | Location did not change in 2004; April coordinates from J. Baker fieldbook | |
| SK131A | yes | May | downstream | 1,500' | | | April coordinates verified by J. Baker 05/05 | |
| SK133A | no | | | | | | April coordinates verified by J. Baker 05/05 | |
| SK134A | no | | | | | | April coordinates verified by J. Baker 05/05 | |
| SK136A | no | | | | | | April coordinates verified by J. Baker 05/05 | |
| SK136B | no | | | | | | April coordinates verified by J. Baker 05/05 | |
| UT100A | no | | | | | | Location did not change in 2004; April coordinates from J. Baker fieldbook | |
| UT100B | yes | May | upstream | 900' | | | April coordinates from J. Baker fieldbook | |

## Table 6B-1. Water Quality Baseline Sites - Location Changes

| SITE | Moved | When | Direction | River Distance (ft) | Direct Distance (ft) | Tributary involved | COMMENTS | STATUS |
|---|---|---|---|---|---|---|---|---|
| UT100C | no | | | | | | Dropped in June; April coordinates from J. Baker fieldbook | Dropped |
| UT100D | no | | | | | | Location did not change in 2004; April coordinates from J. Baker fieldbook | |
| UT100E | yes | May | upstream | 1,500' | 1,150' | | April coordinates from J. Baker fieldbook | |
| UT119A | no | | | | | | April coordinates from J. Baker fieldbook; May field data summary - 2004 (conversion error from degrees, decimal minutes to decimal degrees) | |
| UT119B | no | | | | | | Location did not change in 2004; April coordinates from J. Baker fieldbook | |
| UT135A | no | | | | | | Location did not change in 2004; April coordinates from J. Baker fieldbook | |
| UT135B | no | | | | | | Dropped In June; April coordinates from J. Baker fieldbook | Dropped |
| UT138A | yes | May | downstream | 1,500' | 1,400' | | April coordinates from J. Baker fieldbook | |
| UT141A | no | | | | | | Location did not change in 2004; April coordinates from J. Baker fieldbook | |
| UT146A | no | | | | | | Location did not change in 2004; April coordinates from J. Baker fieldbook | |

155°48'0"W 155°36'0"W 155°24'0"W 155°12'0"W

60°0'0"N

59°48'0"N

CR198A
CR199A
NK100D
NK100C
NK119A
NK119B
NK100B
KR100A
UT100E
UT146A
UT138A
UT135B
UT100D
UT141A
SK136B
SK136A
SK134A
SK100G
SK133A
SK131A
UT135A
NK100A
SK100A
SK119A
SK100C
SK100D
SK100E
SK100B
UT119B
UT100C
UT119A
UT100B
UT100A
KC 100A

Northern Dynasty Mines Inc.

**Pebble Project**

# Surface Water Quality Sites

## April 2004

### Legend

April 2004 - Surface Water Quality Sites

*Privileged and Confidential*

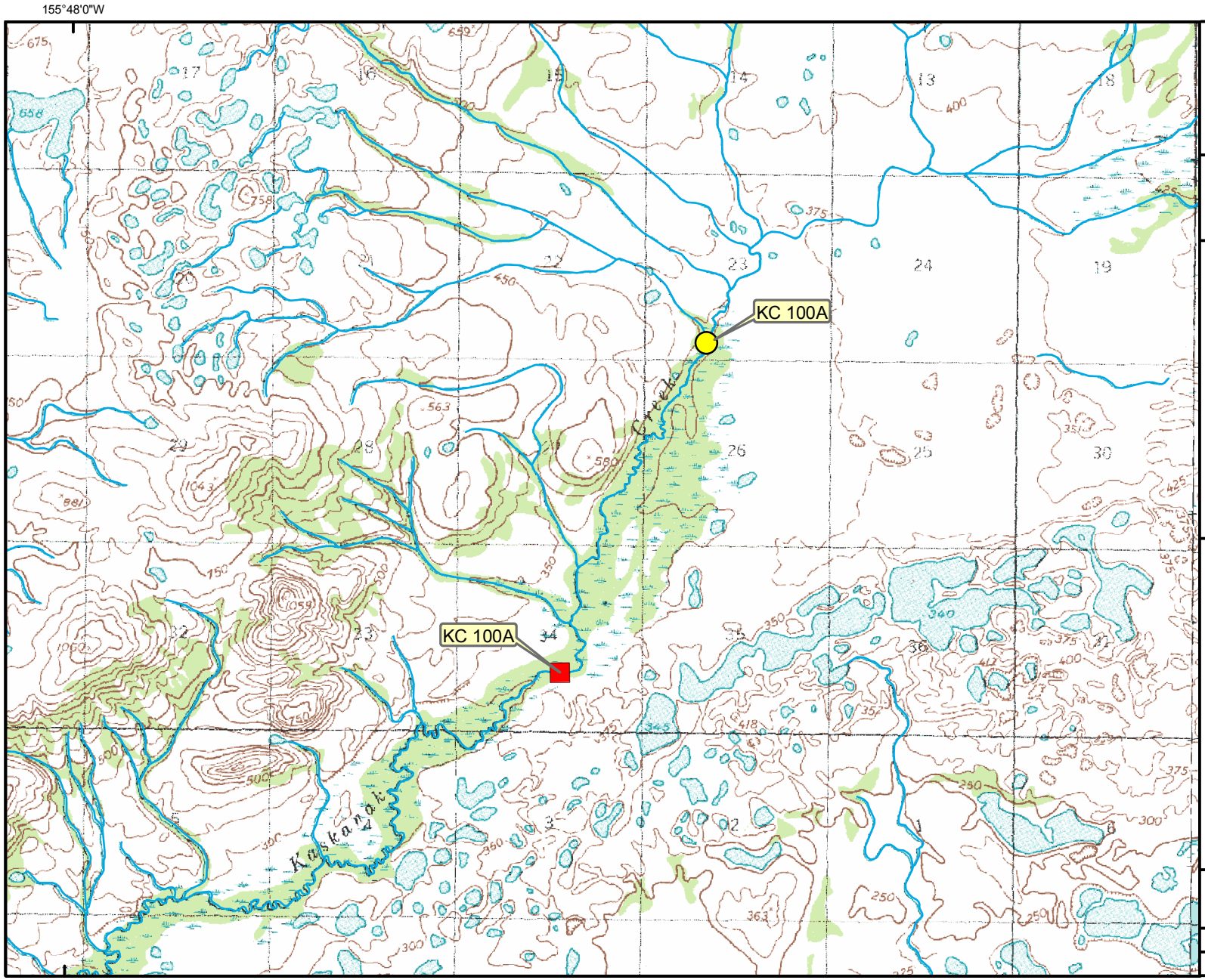

Miles
0 2 4 6

Meters
0 3,000 6,000 9,000

**Alaska State Plane Zone 5 (units feet)**
**1983 North American Datum**

## Figure 6B-1

| | |
|---|---|
| April 2004.mxd | May 19, 2005 |
| Version: 1 | Author: HDR-LS |

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**Pebble Project**

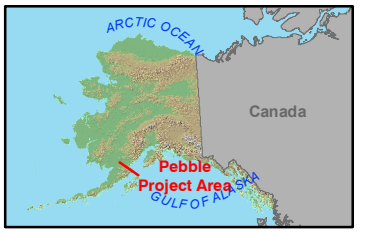
# KC100A

## Surface Water Quality Site

**Legend**

- April - Surface Water Quality Sites
- Current - Surface Water Quality Sites

*Privileged and Confidential*



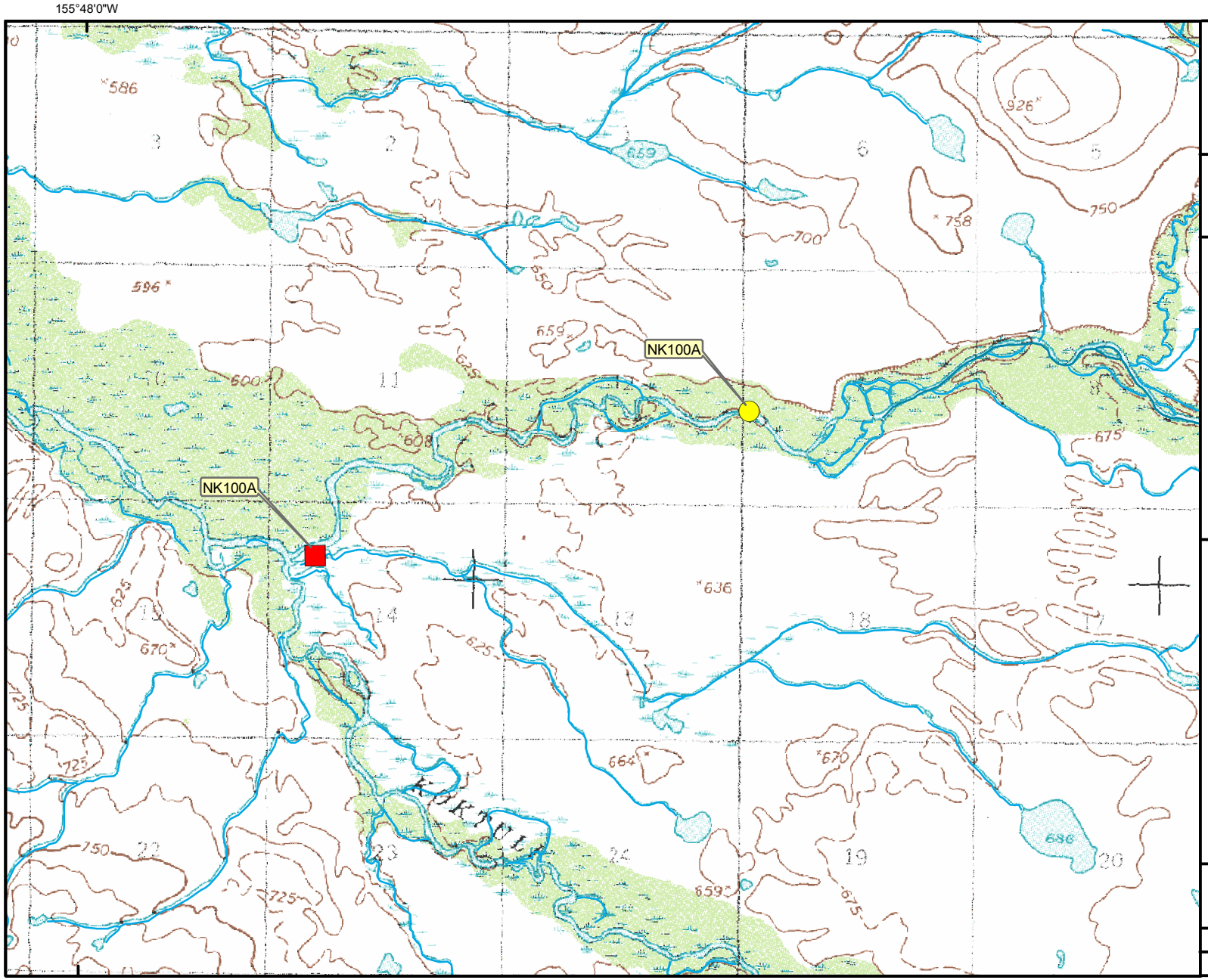

Feet
0 2,000 4,000 6,000

Meters
0 500 1,000 1,500 2,000

**Alaska State Plane Zone 5 (units feet)**
**1983 North American Datum**

**Figure 6B-2**

| | |
|---|---|
| KC100A_April 2004.mxd | March 20, 2005 |
| Version: 1 | Author: HDR-LS |

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**Pebble Project**

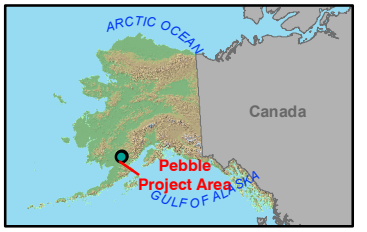
# NK100A

## Surface Water Quality Site

**Legend**

- April 2004
- May 2004- Present

*Privileged and Confidential*



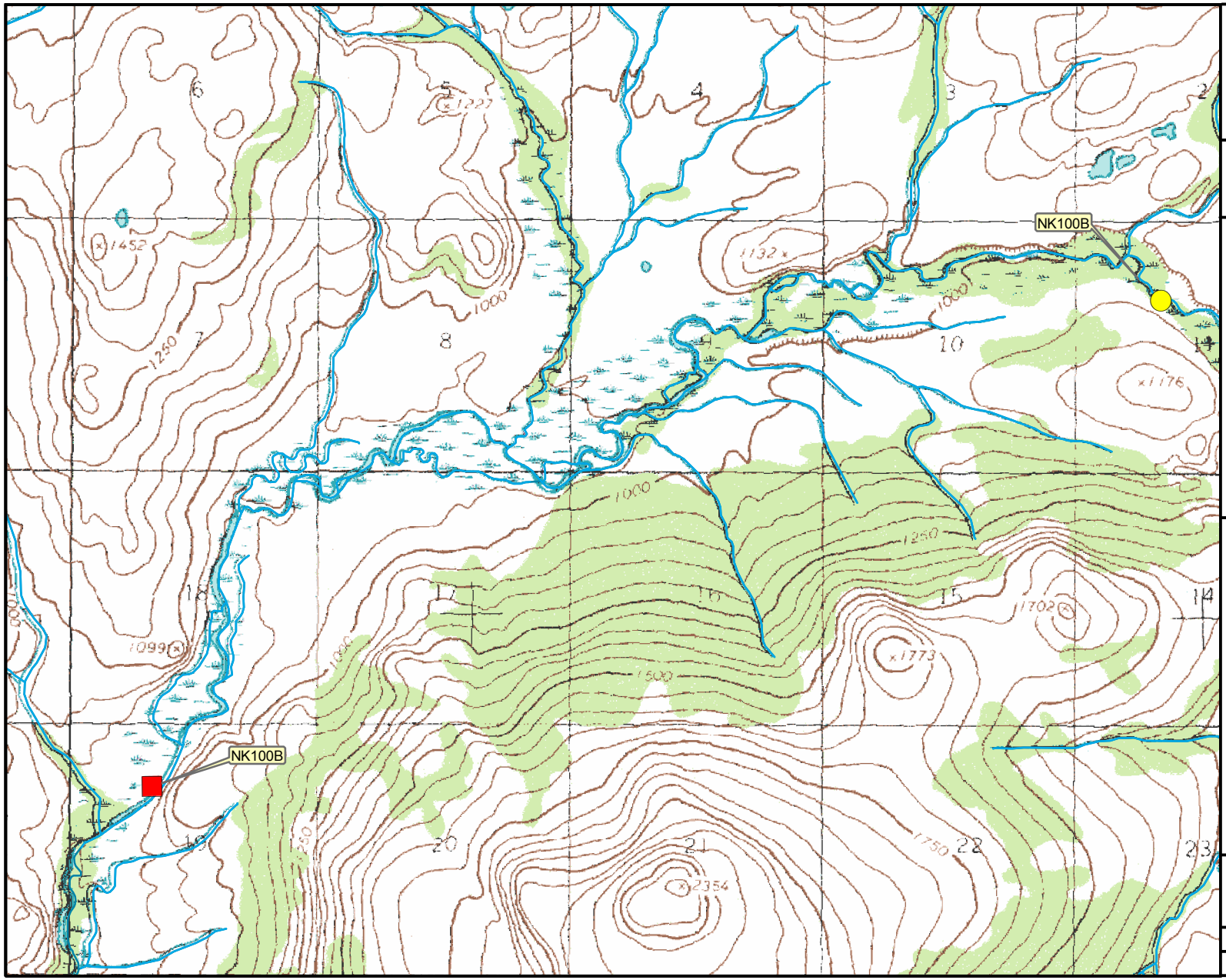

Feet
0 2,000 4,000

Meters
0 500 1,000 1,500

Alaska State Plane Zone 5 (units feet)
1983 North American Datum

**Figure 6B-3**

| | |
|---|---|
| NK100A_April 2004.mxd | March 20, 2005 |
| Version: 1 | Author: HDR-LS |

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**Pebble Project**

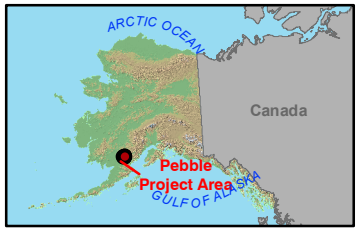
# NK100B

## Surface Water Quality Site

**Legend**

- April /May 2004
- August 2004 - Present

*Privileged and Confidential*



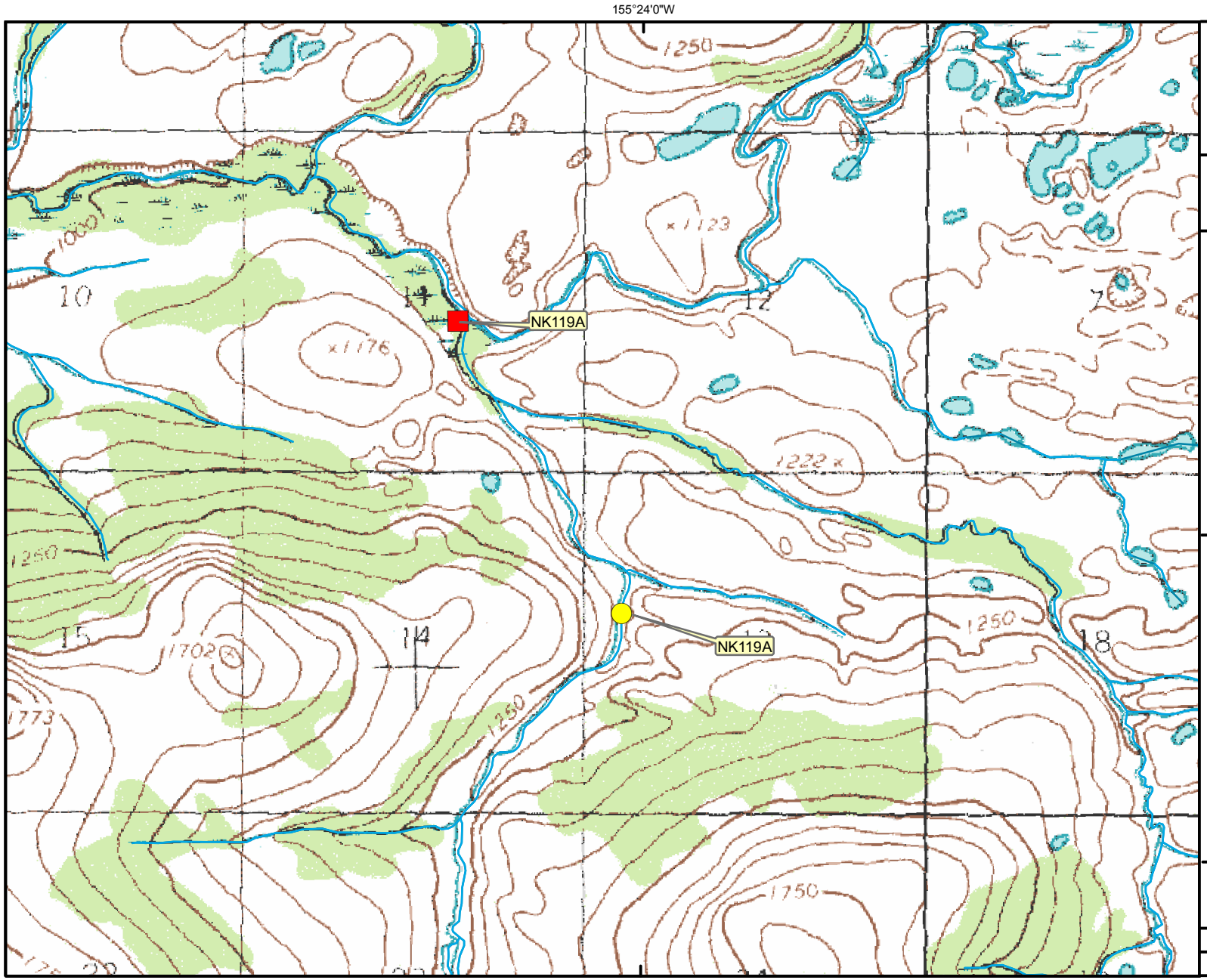

Feet
0 2,000 4,000

Meters
0 500 1,000

Alaska State Plane Zone 5 (units feet)
1983 North American Datum

**Figure 6B-4**

| | |
|---|---|
| NK100B_April 2004.mxd | March 30, 2005 |
| Version: 1 | Author: HDR-LS |




Northern Dynasty Mines Inc.

**Pebble Project**

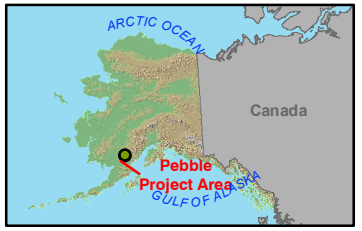
# NK119A

## Surface Water Quality Site

**Legend**

- April /May 2004
- June 2004 - Present

*Privileged and Confidential*



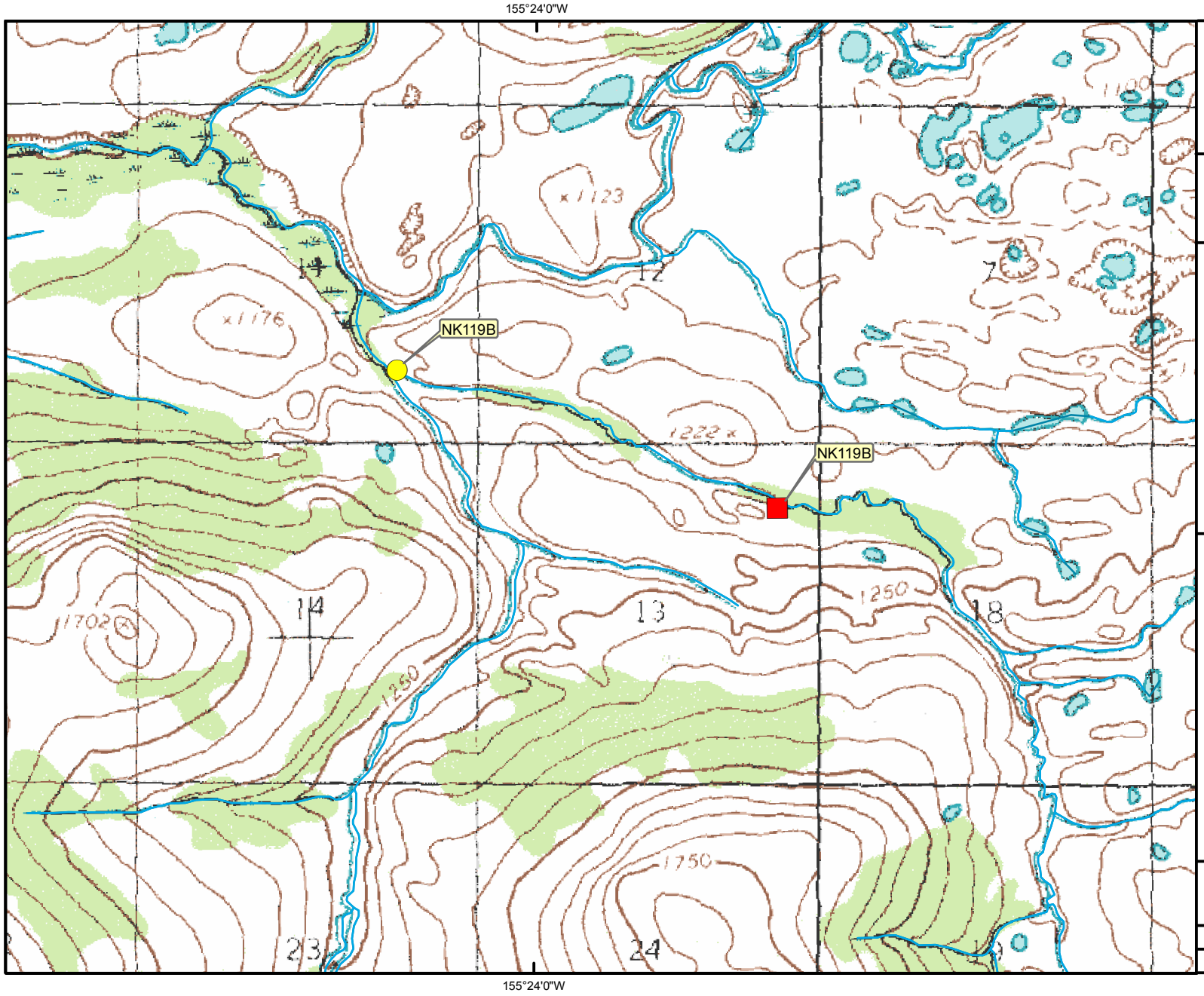

Feet
0 2,000 4,000

Meters
0 500 1,000

Alaska State Plane Zone 5 (units feet)
1983 North American Datum

**Figure 6B-5**

| | |
|---|---|
| NK119A_April 2004.mxd | March 20, 2005 |
| Version: 1 | Author: HDR-LS |




Northern Dynasty Mines Inc.

**Pebble Project**

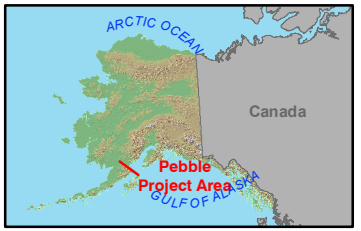
# NK119B

## Surface Water Quality Site

**Legend**

- April 2004
- May 2004 - Present

*Privileged and Confidential*



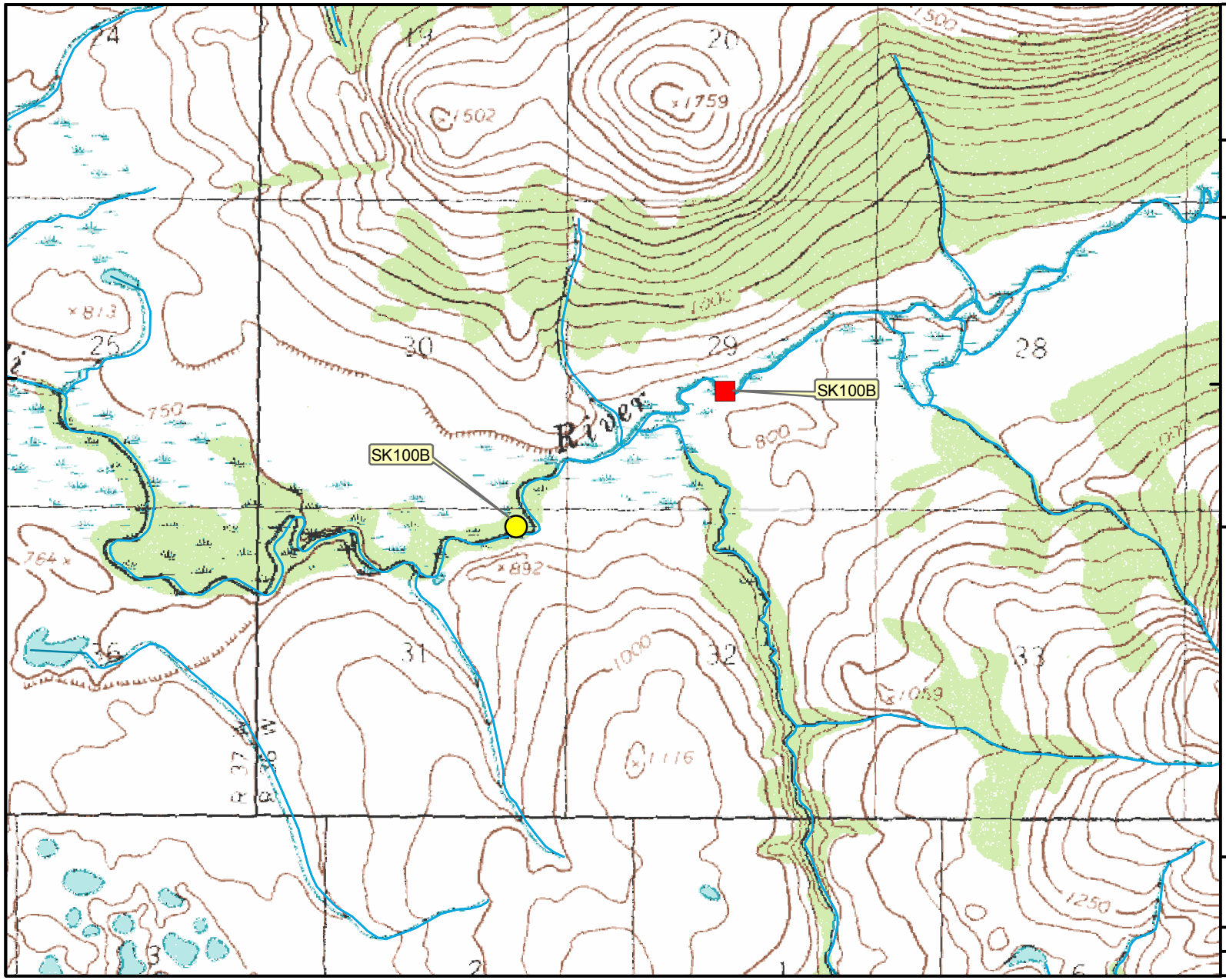

Feet
0 2,000 4,000

Meters
0 500 1,000

Alaska State Plane Zone 5 (units feet)
1983 North American Datum

**Figure 6B-6**

| | |
|---|---|
| NK119B_April 2004.mxd | March 30, 2005 |
| Version: 1 | Author: HDR-LS |




Northern Dynasty Mines Inc.

**Pebble Project**

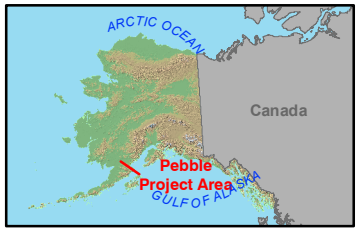
# SK100B

## Surface Water Quality Site

**Legend**

- April 2004
- May 2004 - Present

*Privileged and Confidential*




Feet
0 2,000 4,000

Meters
0 500 1,000

**Alaska State Plane Zone 5 (units feet)**
**1983 North American Datum**

**Figure 6B-7**

| | |
|---|---|
| SK100B_April 04.mxd | March 20, 2005 |
| Version: 1 | Author: HDR-LS |

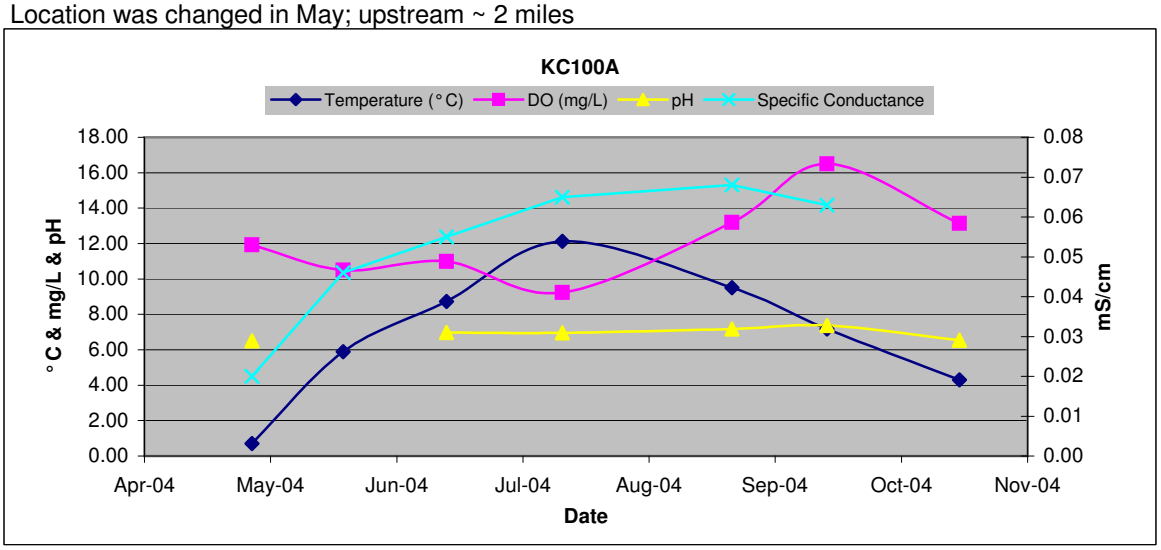
# APPENDIX 6-C
# 2004 Field Parameter Data Summary for Surface Water, Mine Area

**Figure 6C-1**

**Northern Dynasty Mines Inc.**
**Pebble Surface Water Field Data 2004**
**KC100A Graphical Summary**

| Date | Temp (°C) | Specific Conductance (mS/cm) | Dissolved Oxygen (mg/L) | pH | ORP (mV) | Turbidity (NTU) | Discharge Q (cfs) |
|---|---|---|---|---|---|---|---|
| 29-Apr-04 | 0.70 | 0.02 | 11.93 | 6.51 | 148.00 | 332.00 | |
| 21-May-04 | 5.89 | 0.05 | 10.50 | | | | 45.70 |
| 15-Jun-04 | 8.72 | 0.06 | 10.99 | 6.97 | 247.00 | 0.90 | 26.93 |
| 13-Jul-04 | 12.12 | 0.07 | 9.24 | 6.96 | 231.00 | 5.40 | 21.07 |
| 23-Aug-04 | 9.50 | 0.07 | 13.19 | 7.17 | 224.00 | 4.50 | 19.42 |
| 15-Sep-04 | 7.17 | 0.06 | 16.50 | 7.38 | 63.00 | 1.30 | 16.33 |
| 17-Oct-04 | 4.30 | | 13.13 | 6.54 | | | 20.80 |

Blank cells = no measurements taken
Location was changed in May; upstream ~ 2 miles



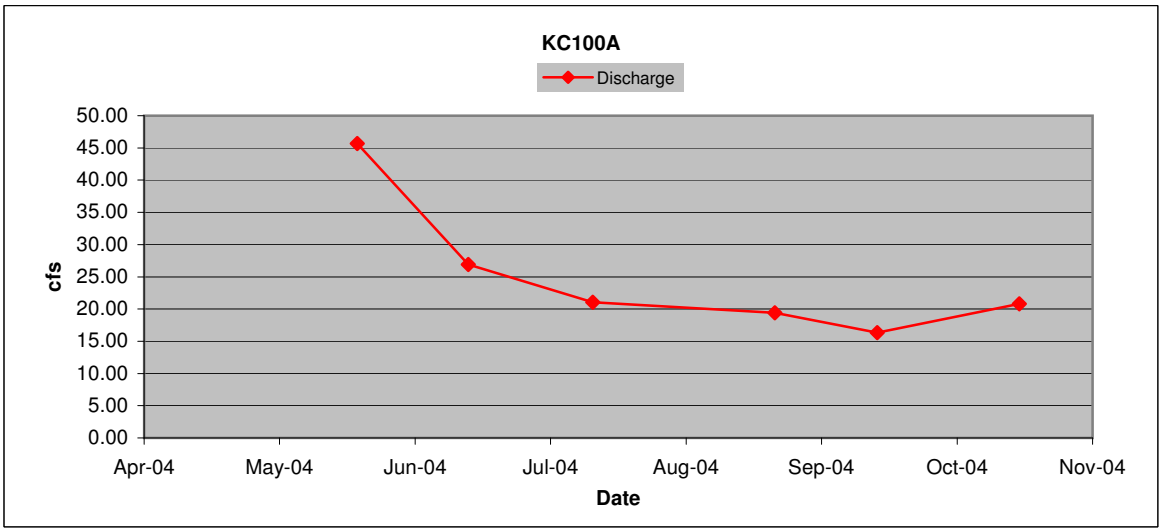
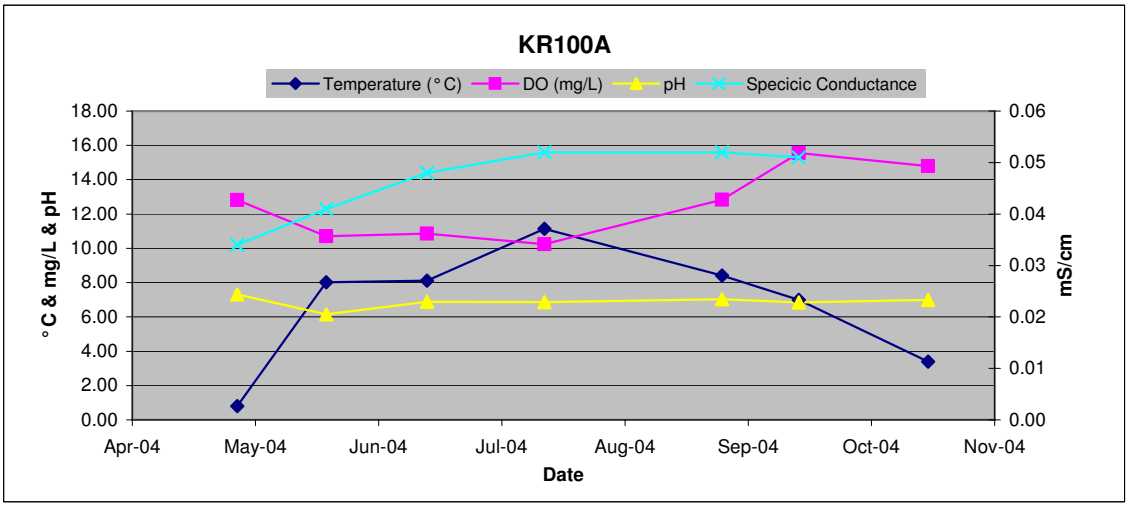



**Figure 6C-2**

**Northern Dynasty Mines Inc.**
**Pebble Surface Water Field Data 2004**
**KR100A Graphical Summary**

| Date | Temp (°C) | Specific Conductance (mS/cm) | Dissolved Oxygen (mg/L) | pH | ORP (mV) | Turbidity (NTU) | Discharge Q (cfs) |
|---|---|---|---|---|---|---|---|
| 29-Apr-04 | 0.81 | 0.03 | 12.82 | 7.31 | 180.00 | 30.00 | 1160.97 |
| 21-May-04 | 8.03 | 0.04 | 10.71 | 6.15 | 183.00 | 0.00 | |
| 15-Jun-04 | 8.11 | 0.05 | 10.86 | 6.89 | 271.00 | 0.00 | 514.54 |
| 14-Jul-04 | 11.14 | 0.05 | 10.24 | 6.86 | 246.00 | 2.10 | 272.64 |
| 27-Aug-04 | 8.41 | 0.05 | 12.84 | 7.03 | 177.00 | 1.20 | 205.27 |
| 15-Sep-04 | 7.00 | 0.05 | 15.55 | 6.84 | 63.00 | 0.00 | 179.10 |
| 17-Oct-04 | 3.40 | | 14.80 | 6.99 | | | 225.67 |

Blank cells = no measurements taken



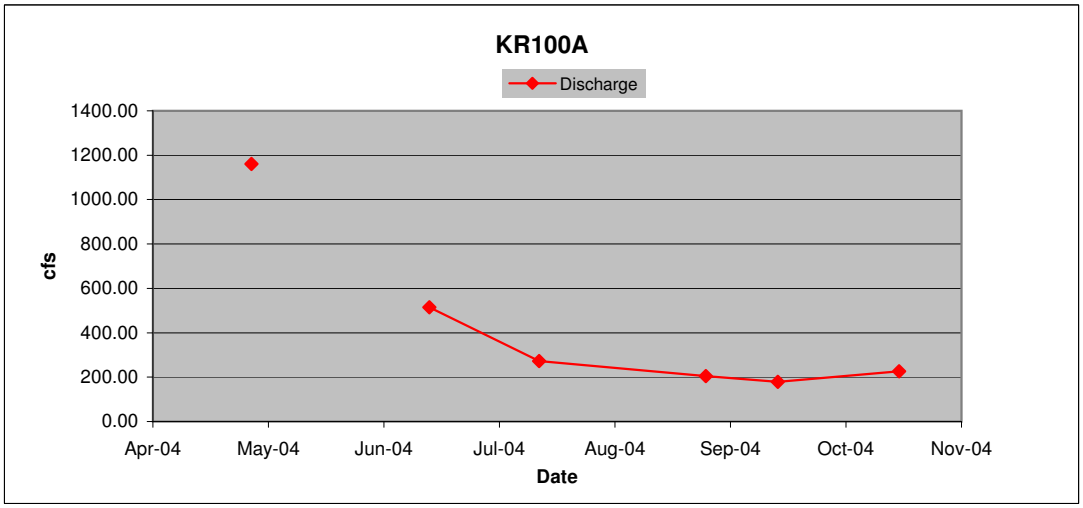
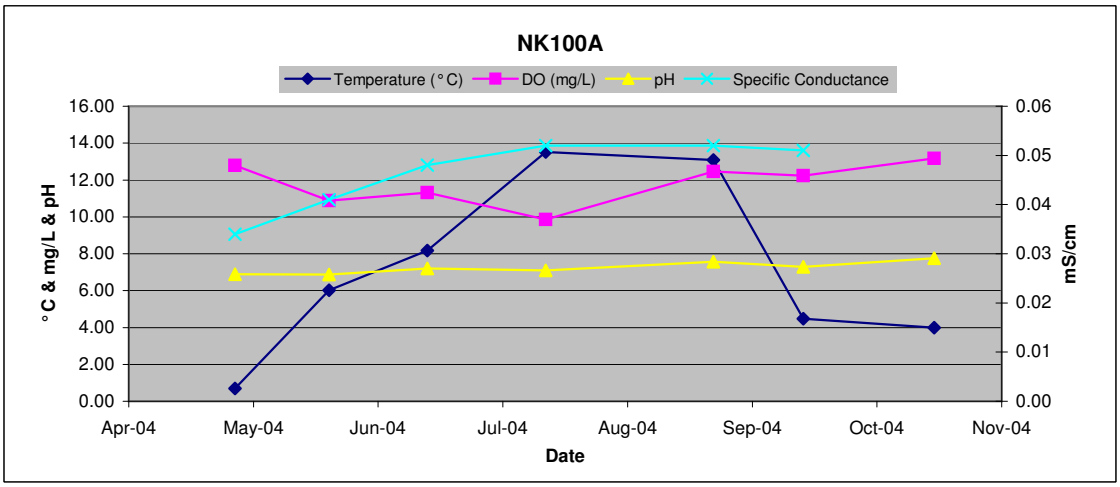



**Figure 6C-3**

**Northern Dynasty Mines Inc.**
**Pebble Surface Water Field Data 2004**
**NK100A Graphical Summary**

| Date | Temp (°C) | Specific Conductance (mS/cm) | Dissolved Oxygen (mg/L) | pH | ORP (mV) | Turbidity (NTU) | Discharge Q (cfs) |
|---|---|---|---|---|---|---|---|
| 29-Apr-04 | 0.69 | 0.03 | 12.79 | 6.89 | 143.00 | 23.90 | |
| 22-May-04 | 6.02 | 0.04 | 10.88 | 6.88 | 167.00 | 0.10 | |
| 15-Jun-04 | 8.18 | 0.05 | 11.31 | 7.21 | 274.00 | 0.20 | 220.35 |
| 14-Jul-04 | 13.51 | 0.06 | 9.85 | 7.10 | 260.00 | 0.90 | 106.48 |
| 24-Aug-04 | 13.08 | 0.06 | 12.46 | 7.56 | 261.00 | 0.10 | 69.86 |
| 15-Sep-04 | 4.47 | 0.06 | 12.24 | 7.28 | 229.00 | 0.60 | 57.70 |
| 17-Oct-04 | 4.00 | | 13.17 | 7.76 | | | 65.76 |

Blank cells = no measurements taken



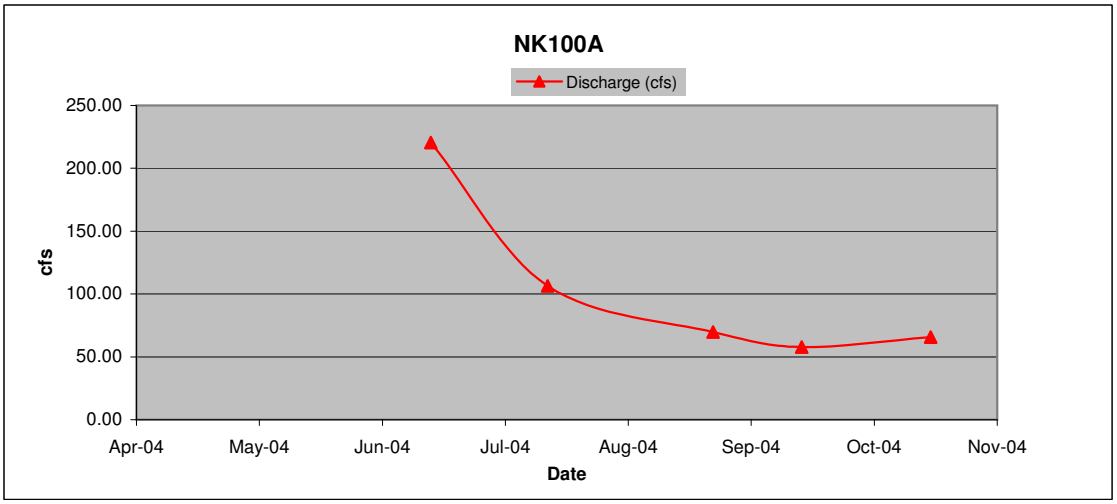
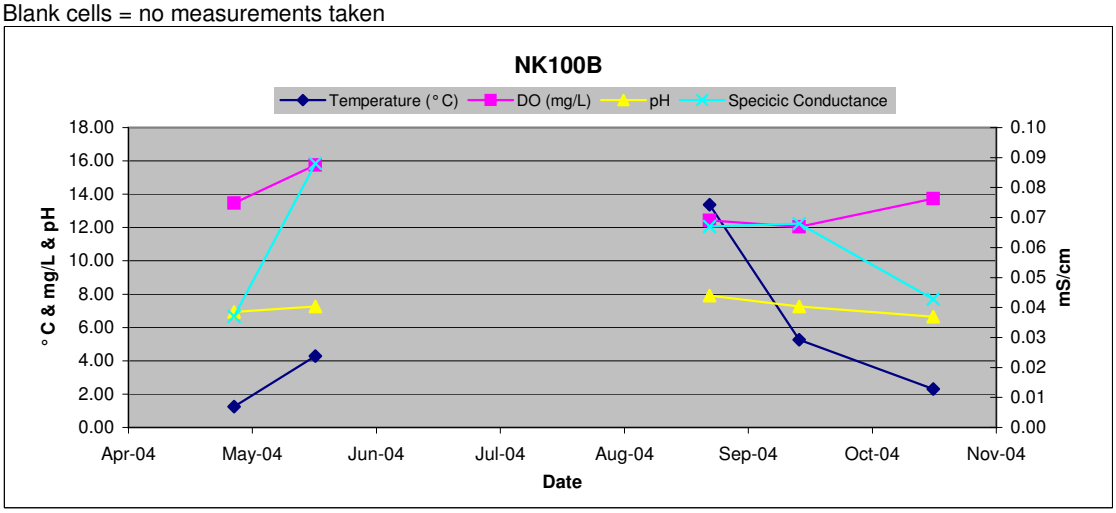



**Figure 6C-4**

**Northern Dynasty Mines Inc.**
**Pebble Surface Water Field Data 2004**
**NK100B Graphical Summary**

| Date | Temp (°C) | Specific Conductance (mS/cm) | Dissolved Oxygen (mg/L) | pH | ORP (mV) | Turbidity (NTU) | Discharge Q (cfs) |
|---|---|---|---|---|---|---|---|
| 29-Apr-04 | 1.24 | 0.04 | 13.46 | 6.94 | NA | 0.70 | 276.08 |
| 19-May-04 | 4.28 | 0.09 | 15.75 | 7.26 | 15.75 | 13.70 | |
| 1-Jun-04 | | | | | | | |
| 1-Jul-04 | | | | | | | |
| 24-Aug-04 | 13.37 | 0.07 | 12.42 | 7.91 | 201.00 | 0.30 | 23.78 |
| 15-Sep-04 | 5.27 | 0.07 | 12.04 | 7.27 | 271.00 | 0.00 | 21.99 |
| 18-Oct-04 | 2.30 | 0.04 | 13.73 | 6.64 | | | 93.85 |

Location was changed between May and August; site was not sampled in June and July
Blank cells = no measurements taken



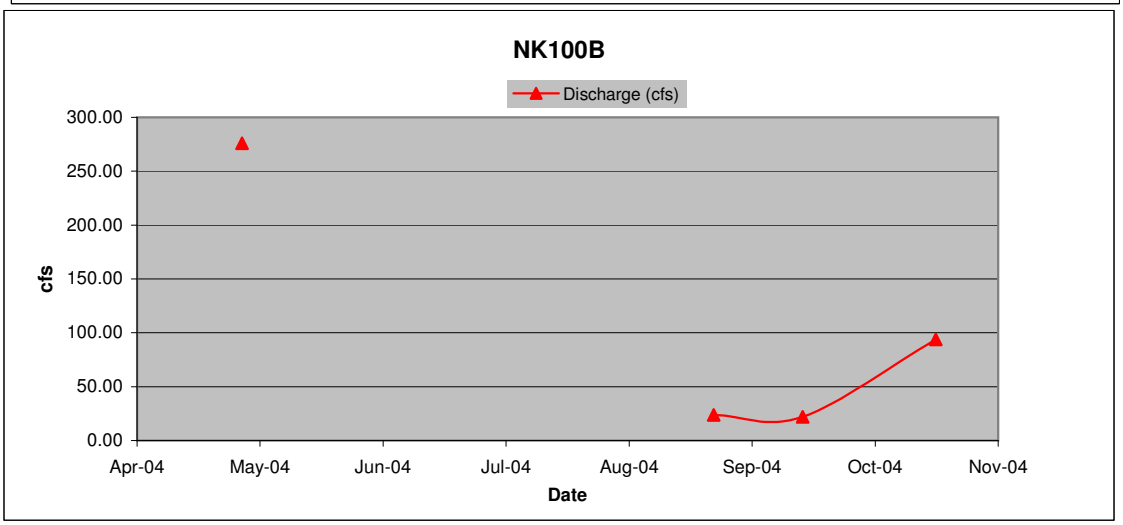
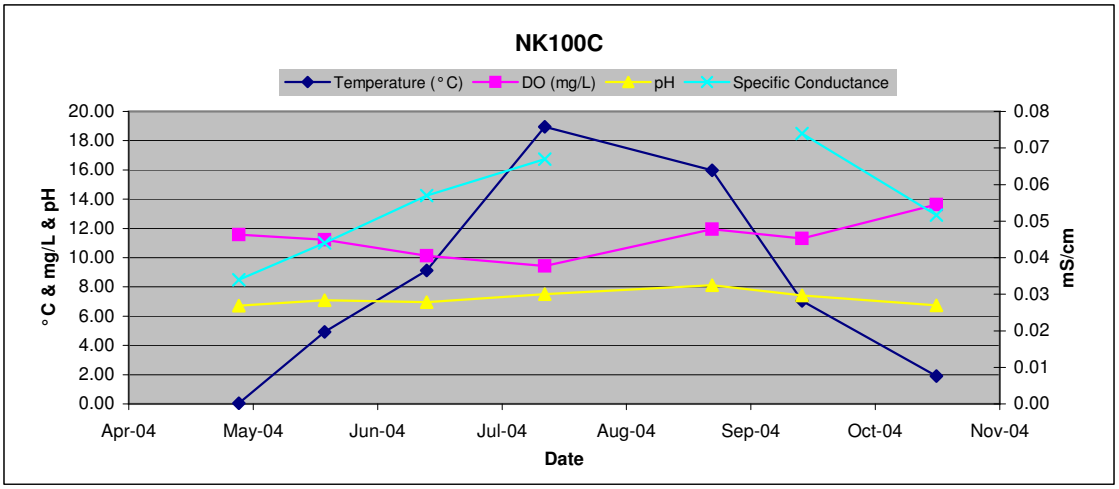



**Figure 6C-5**

**Northern Dynasty Mines Inc.**
**Pebble Surface Water Field Data 2004**
**NK100C Graphical Summary**

| Date | Temp (°C) | Specific Conductance (mS/cm) | Dissolved Oxygen (mg/L) | pH | ORP (mV) | Turbidity (NTU) | Discharge Q (cfs) |
|---|---|---|---|---|---|---|---|
| 30-Apr-04 | 0.04 | 0.03 | 11.58 | 6.72 | 42.00 | 2.00 | 105.36 |
| 21-May-04 | 4.92 | 0.04 | 11.22 | 7.08 | 102.00 | 1.50 | 126.57 |
| 15-Jun-04 | 9.12 | 0.06 | 10.13 | 6.96 | 19.00 | 0.20 | |
| 14-Jul-04 | 18.95 | 0.07 | 9.44 | 7.50 | 256.00 | 0.20 | 29.36 |
| 24-Aug-04 | 15.98 | | 11.94 | 8.11 | 270.00 | 0.00 | 15.25 |
| 15-Sep-04 | 7.05 | 0.07 | 11.32 | 7.42 | 270.00 | 0.50 | 15.46 |
| 18-Oct-04 | 1.90 | 0.05 | 13.64 | 6.74 | | | 55.98 |

Blank cells = no measurements taken



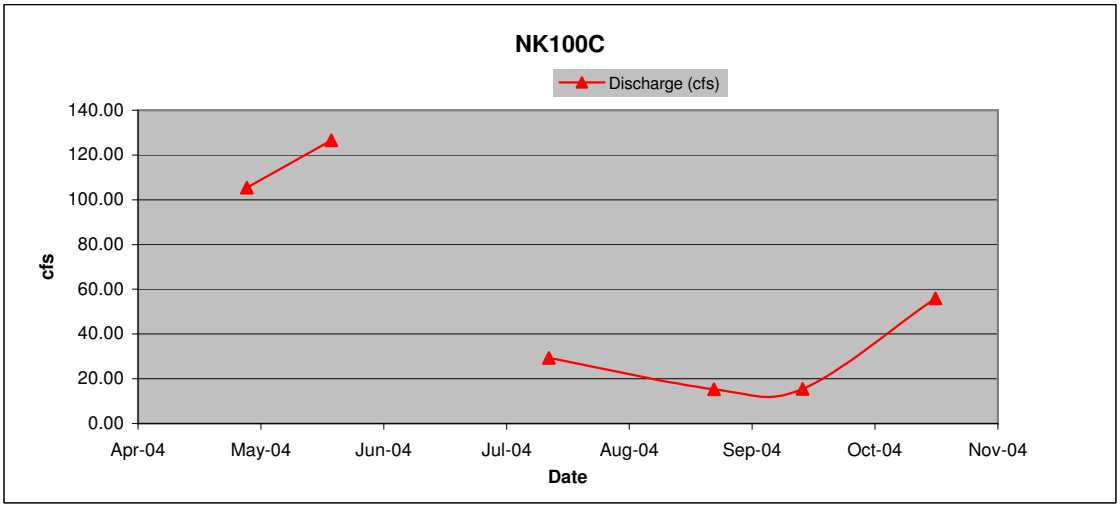
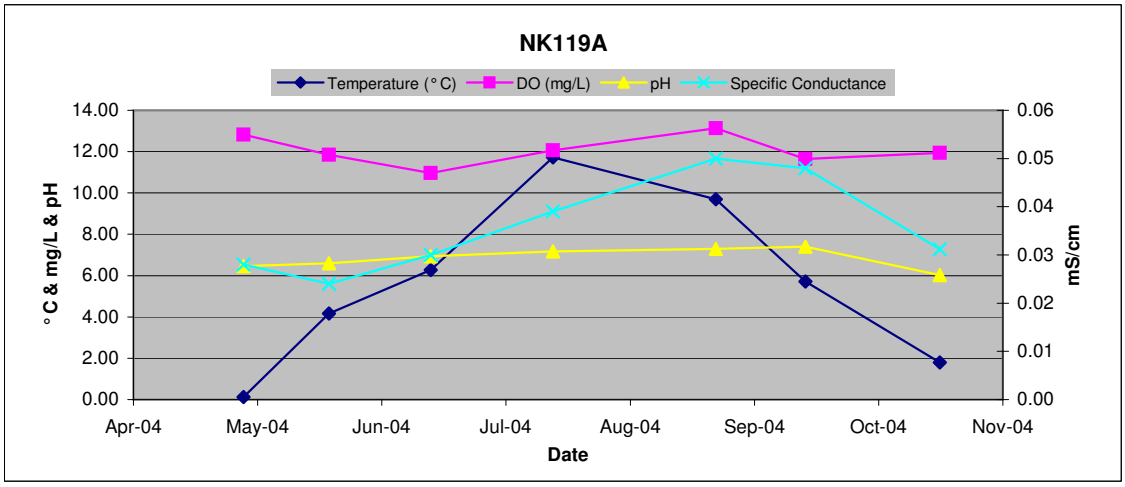



**Figure 6C-6**

**Northern Dynasty Mines Inc.**
**Pebble Surface Water Field Data 2004**
**NK119A Graphical Summary**

| Date | Temp (°C) | Specific Conductance (mS/cm) | Dissolved Oxygen (mg/L) | pH | ORP (mV) | Turbidity (NTU) | Discharge Q (cfs) |
|---|---|---|---|---|---|---|---|
| 30-Apr-04 | 0.13 | 0.03 | 12.82 | 6.46 | 36.00 | 3.60 | 44.97 |
| 21-May-04 | 4.16 | 0.02 | 11.84 | 6.60 | 117.00 | 0.70 | |
| 15-Jun-04 | 6.27 | 0.03 | 10.97 | 6.94 | -24.00 | 1.70 | 18.06 |
| 15-Jul-04 | 11.72 | 0.04 | 12.07 | 7.17 | -3.00 | 0.00 | 8.98 |
| 24-Aug-04 | 9.69 | 0.05 | 13.13 | 7.29 | 173.00 | 0.95 | 6.40 |
| 15-Sep-04 | 5.71 | 0.05 | 11.65 | 7.40 | 224.00 | 0.10 | 5.12 |
| 18-Oct-04 | 1.80 | 0.03 | 11.94 | 6.02 | | | 24.64 |

Location was changed between May and June
Blank cells = no measurements taken



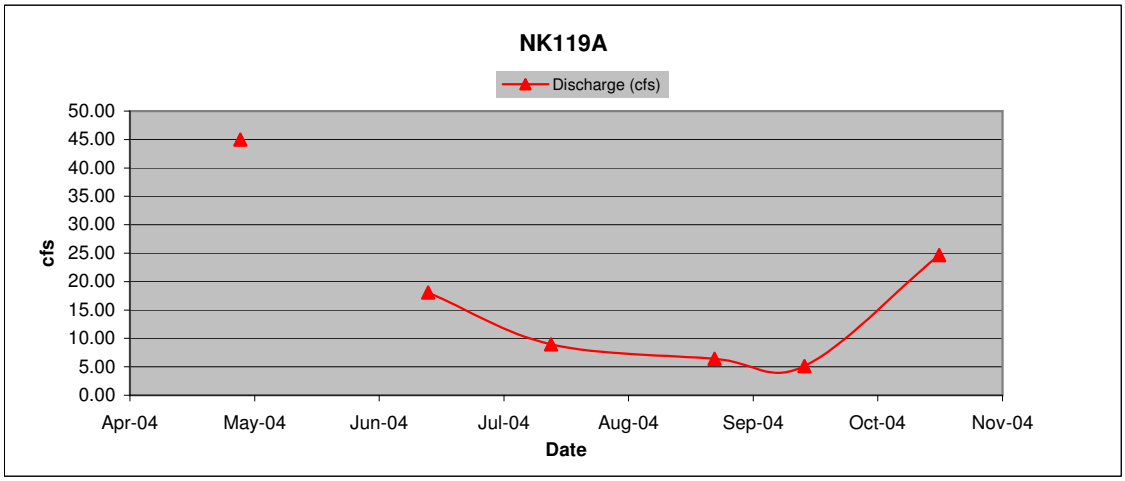
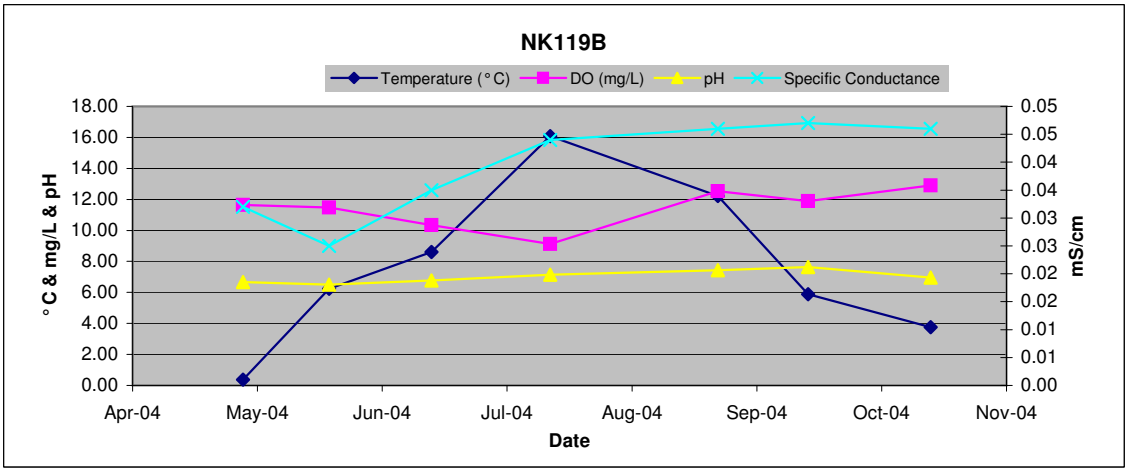



**Figure 6C-7**

**Northern Dynasty Mines Inc.**
**Pebble Surface Water Field Data 2004**
**NK119B Graphical Summary**

| Date | Temp (°C) | Specific Conductance (mS/cm) | Dissolved Oxygen (mg/L) | pH | ORP (mV) | Turbidity (NTU) | Discharge Q (cfs) |
|---|---|---|---|---|---|---|---|
| 30-Apr-04 | 0.37 | 0.03 | 11.65 | 6.67 | 76.00 | 18.10 | 9.05 |
| 21-May-04 | 6.23 | 0.03 | 11.48 | 6.50 | 199.00 | 2.10 | 25.46 |
| 15-Jun-04 | 8.60 | 0.04 | 10.35 | 6.77 | -3.00 | 0.70 | 5.54 |
| 14-Jul-04 | 16.07 | 0.04 | 9.13 | 7.14 | 275.00 | 0.10 | 1.39 |
| 24-Aug-04 | 12.22 | 0.05 | 12.54 | 7.44 | 174.00 | 0.60 | 0.31 |
| 15-Sep-04 | 5.88 | 0.05 | 11.88 | 7.64 | 204.00 | 0.10 | 4.91 |
| 15-Oct-04 | 3.76 | 0.05 | 12.91 | 6.96 | 153.00 | | 8.53 |

Mean values were used for May and June because duplicate measurements were taken
Location was changed between April and May
Blank cells = no measurements taken



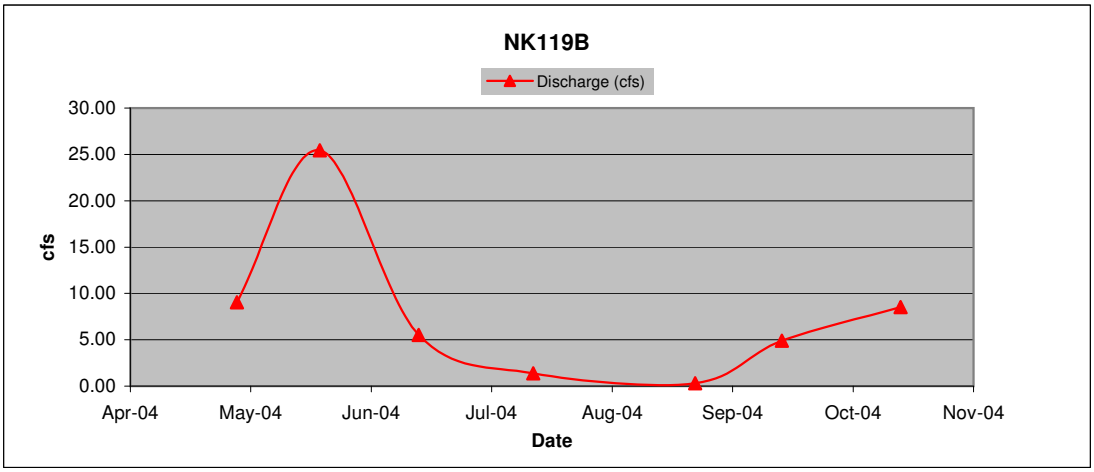
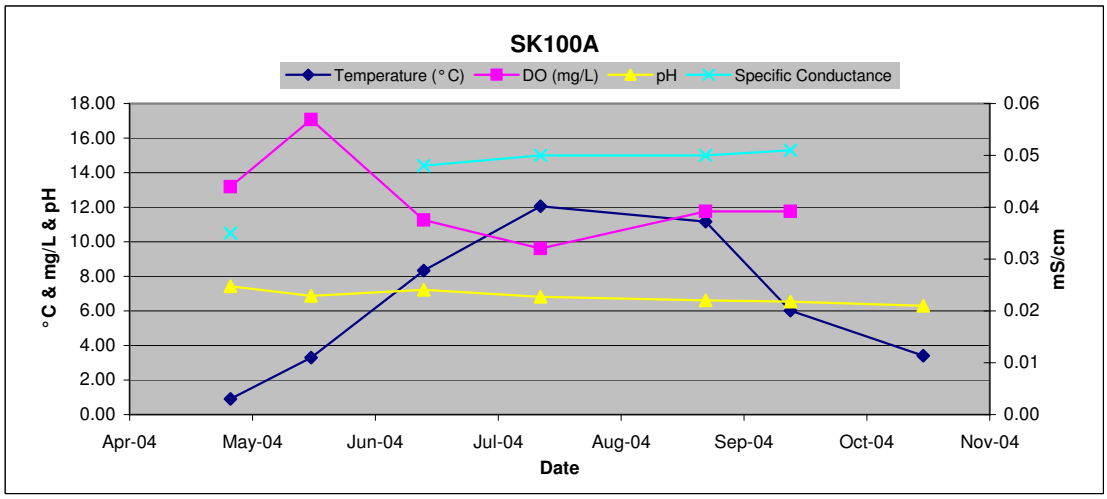



**Figure 6C-8**

**Northern Dynasty Mines Inc.**
**Pebble Surface Water Field Data 2004**
**SK100A Graphical Summary**

| Date | Temp (°C) | Specific Conductance (mS/cm) | Dissolved Oxygen (mg/L) | pH | ORP (mV) | Turbidity (NTU) | Discharge Q (cfs) |
|---|---|---|---|---|---|---|---|
| 28-Apr-04 | 0.91 | 0.04 | 13.19 | 7.42 | 233.00 | 0.80 | 104.20 |
| 18-May-04 | 3.29 | | 17.08 | 6.87 | 16.10 | | |
| 15-Jun-04 | 8.34 | 0.05 | 11.26 | 7.23 | 274.00 | | 268.11 |
| 14-Jul-04 | 12.05 | 0.05 | 9.61 | 6.81 | NA | 3.30 | 131.61 |
| 24-Aug-04 | 11.17 | 0.05 | 11.76 | 6.62 | 244.00 | 0.60 | 86.95 |
| 14-Sep-04 | 6.01 | 0.05 | 11.76 | 6.54 | 200.00 | 0.80 | 84.85 |
| 17-Oct-04 | 3.40 | | | 6.30 | | | 104.20 |

Blank cells = no measurements taken



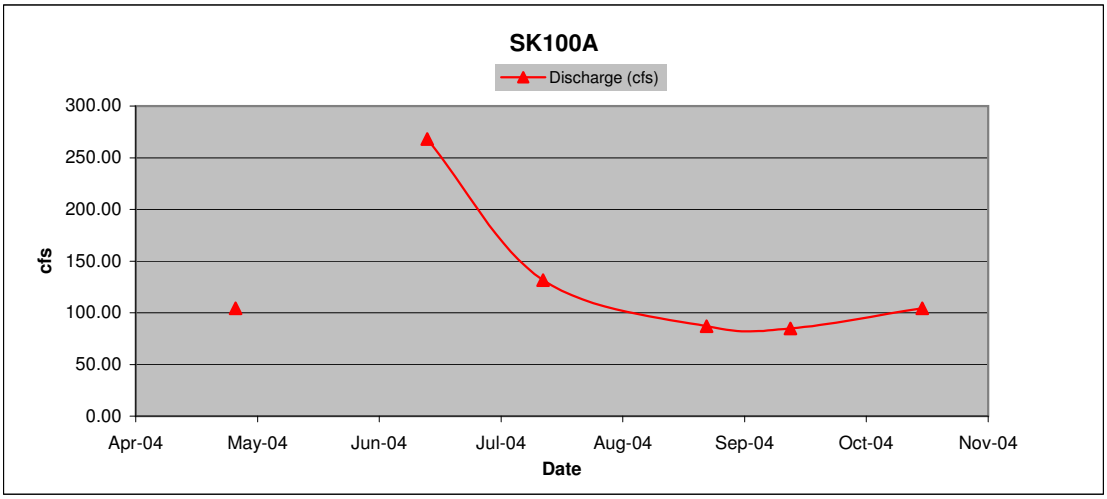
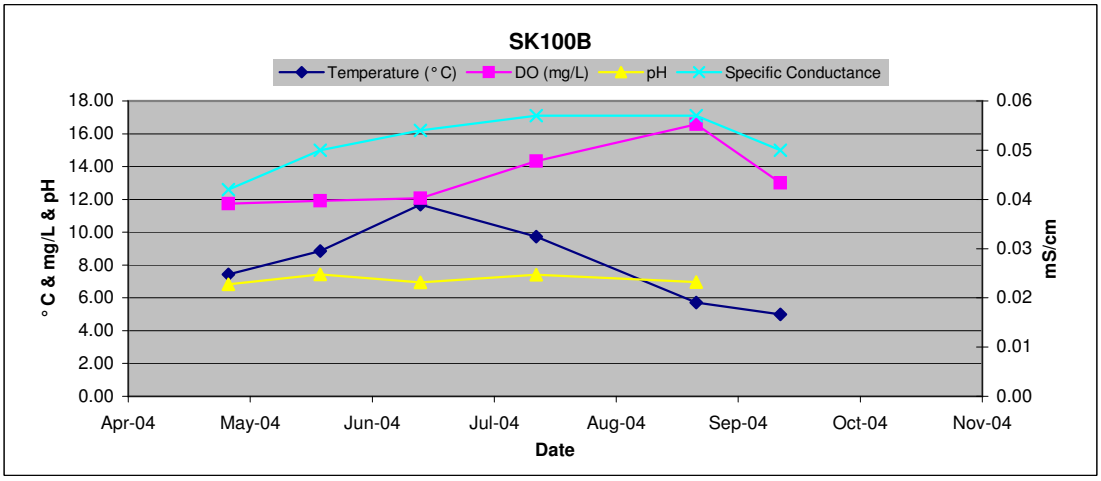



**Figure 6C-9**

**Northern Dynasty Mines Inc.**
**Pebble Surface Water Field Data 2004**
**SK100B Graphical Summary**

| Date | Temp (°C) | Specific Conductance (mS/cm) | Dissolved Oxygen (mg/L) | pH | ORP (mV) | Turbidity (NTU) | Discharge Q (cfs) |
|---|---|---|---|---|---|---|---|
| 28-Apr-04 | 2.72 | 0.05 | 12.32 | 6.57 | 114.00 | 0.00 | 64.21 |
| 21-May-04 | 7.43 | 0.04 | 11.74 | 6.83 | 157.00 | 0.00 | |
| 15-Jun-04 | 8.85 | 0.05 | 11.92 | 7.43 | 247.00 | 0.00 | 184.95 |
| 14-Jul-04 | 11.68 | 0.05 | 12.08 | 6.95 | -40.00 | 2.50 | 76.51 |
| 23-Aug-04 | 9.73 | 0.06 | 14.34 | 7.42 | 203.00 | 1.20 | 49.51 |
| 13-Sep-04 | 5.72 | 0.06 | 16.57 | 6.97 | 233.00 | 1.50 | 41.12 |
| 15-Oct-04 | 5.00 | 0.05 | 13.00 | | | | 188.98 |

Blank cells = no measurements taken



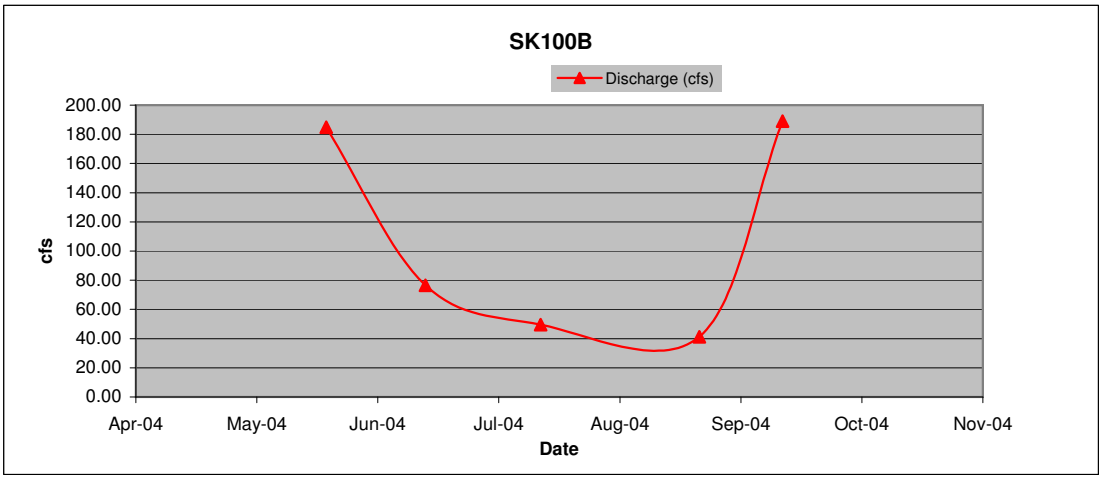
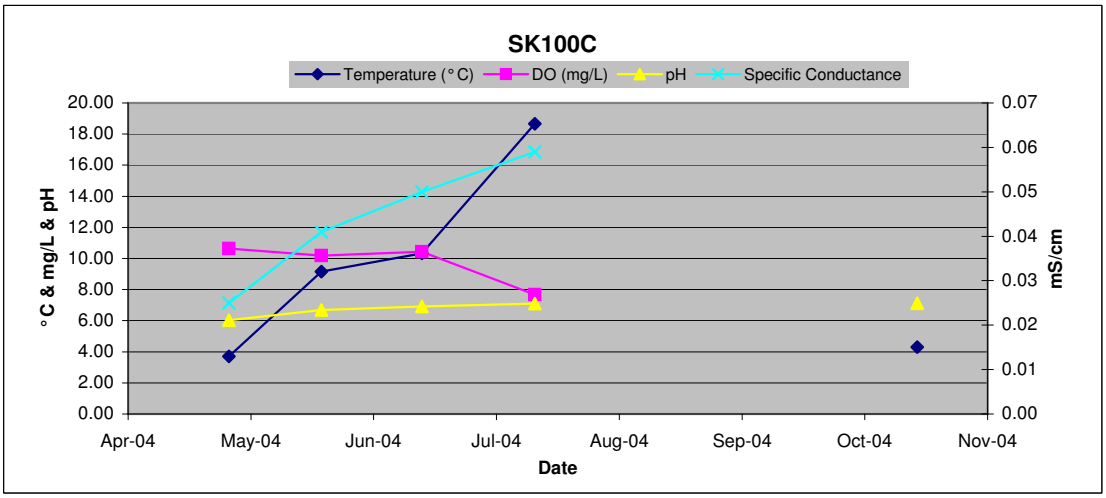



**Figure 6C-10**

**Northern Dynasty Mines Inc.**
**Pebble Surface Water Field Data 2004**
**SK100C Graphical Summary**

| Date | Temp (°C) | Specific Conductance (mS/cm) | Dissolved Oxygen (mg/L) | pH | ORP (mV) | Turbidity (NTU) | Discharge Q (cfs) |
|---|---|---|---|---|---|---|---|
| 28-Apr-04 | 3.71 | 0.03 | 10.63 | 6.02 | | 0.00 | |
| 21-May-04 | 9.15 | 0.04 | 10.19 | 6.69 | 150.00 | 2.90 | |
| 15-Jun-04 | 10.33 | 0.05 | 10.43 | 6.91 | 4.00 | 0.00 | 56.63 |
| 13-Jul-04 | 18.67 | 0.06 | 7.68 | 7.09 | 290.00 | 0.20 | 7.63 |
| 23-Aug-04 | | | | | | | |
| 14-Sep-04 | | | | | | | |
| 16-Oct-04 | 4.30 | | | 7.12 | | | 66.41 |

Blank cells = no measurements taken
Site was dry during August and September 2004 sampling events



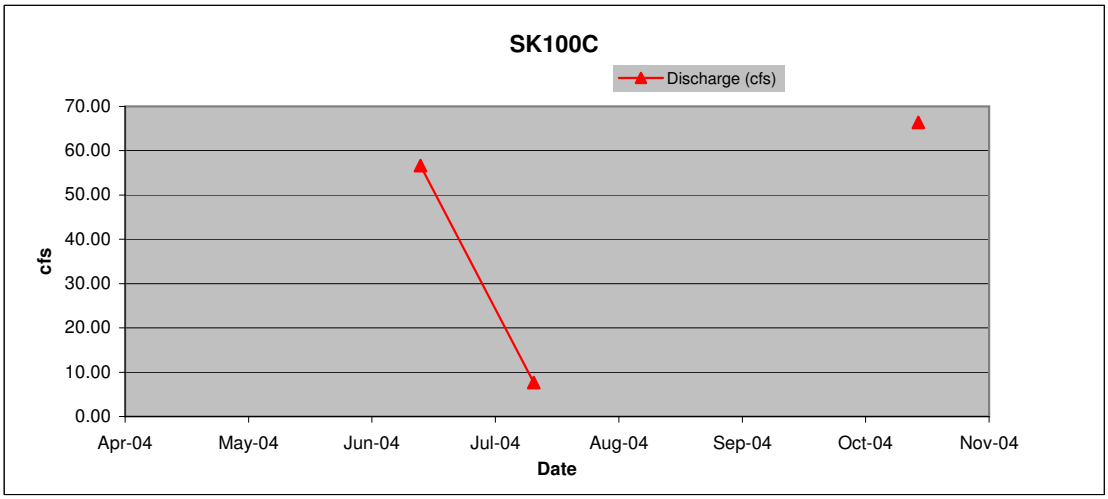
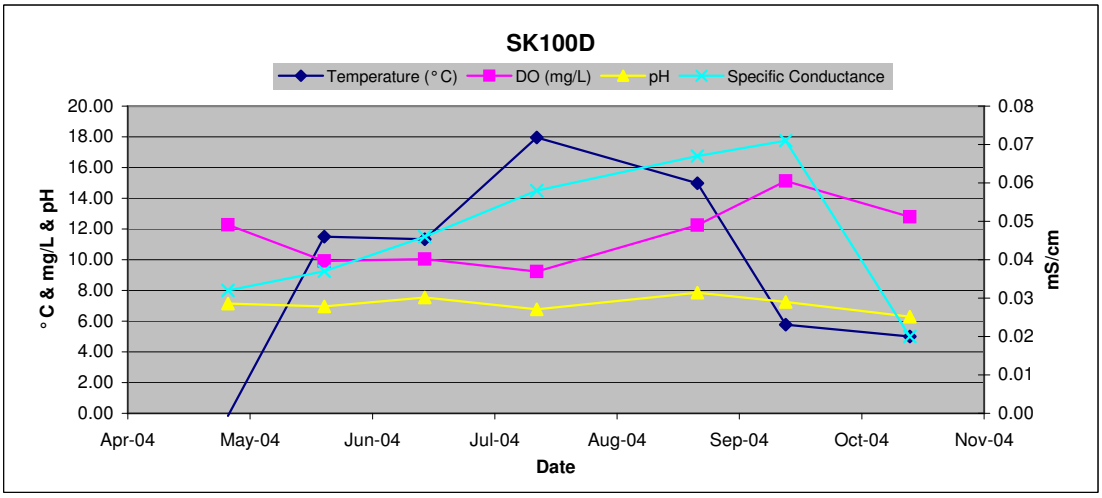



**Figure 6C-11**

**Northern Dynasty Mines Inc.**
**Pebble Surface Water Field Data 2004**
**SK100D Graphical Summary**

| Date | Temp (°C) | Specific Conductance (mS/cm) | Dissolved Oxygen (mg/L) | pH | ORP (mV) | Turbidity (NTU) | Discharge Q (cfs) |
|---|---|---|---|---|---|---|---|
| 28-Apr-04 | -0.16 | 0.03 | 12.28 | 7.15 | | 4.30 | |
| 22-May-04 | 11.51 | 0.04 | 9.91 | 6.96 | 159.00 | 0.00 | |
| 16-Jun-04 | 11.33 | 0.05 | 10.04 | 7.54 | 162.00 | 0.00 | 27.00 |
| 14-Jul-04 | 17.96 | 0.06 | 9.23 | 6.77 | 86.00 | 37.00 | 8.06 |
| 23-Aug-04 | 14.97 | 0.07 | 12.26 | 7.86 | 198.00 | 0.10 | 1.89 |
| 14-Sep-04 | 5.78 | 0.07 | 15.12 | 7.26 | 265.00 | 1.70 | 2.04 |
| 15-Oct-04 | 5.00 | 0.02 | 12.80 | 6.30 | | | 31.55 |

Blank cells = no measurements taken



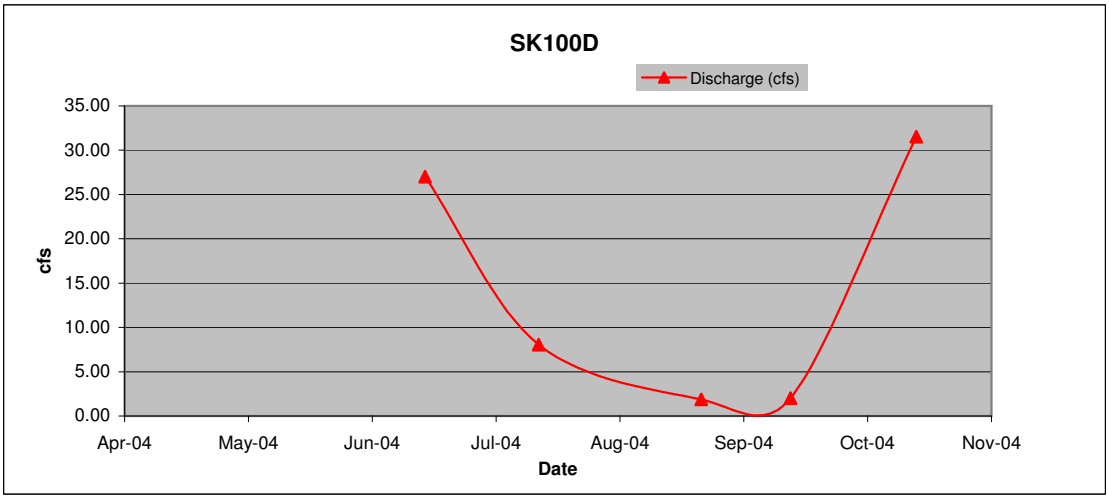
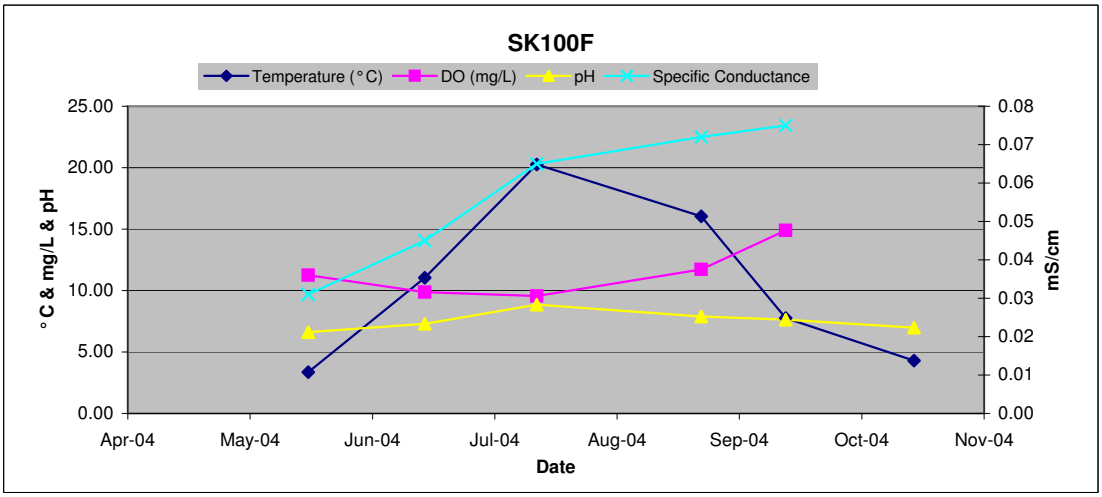



**Figure 6C-12**

**Northern Dynasty Mines Inc.**
**Pebble Surface Water Field Data 2004**
**SK100F Graphical Summary**

| Date | Temp (°C) | Specific Conductance (mS/cm) | Dissolved Oxygen (mg/L) | pH | ORP (mV) | Turbidity (NTU) | Discharge Q (cfs) |
|---|---|---|---|---|---|---|---|
| 18-May-04 | 3.35 | 0.03 | 11.26 | 6.62 | 203.00 | 11.20 | 129.71 |
| 16-Jun-04 | 11.05 | 0.05 | 9.88 | 7.29 | 260.00 | 0.00 | 33.15 |
| 14-Jul-04 | 20.25 | 0.07 | 9.55 | 8.85 | 80.00 | 6.40 | 7.48 |
| 24-Aug-04 | 16.05 | 0.07 | 11.72 | 7.90 | 196.00 | 0.70 | 2.55 |
| 14-Sep-04 | 7.75 | 0.08 | 14.90 | 7.62 | 214.00 | 4.30 | 6.75 |
| 16-Oct-04 | 4.30 | | | 6.99 | | | 43.08 |

Blank cells = no measurements taken



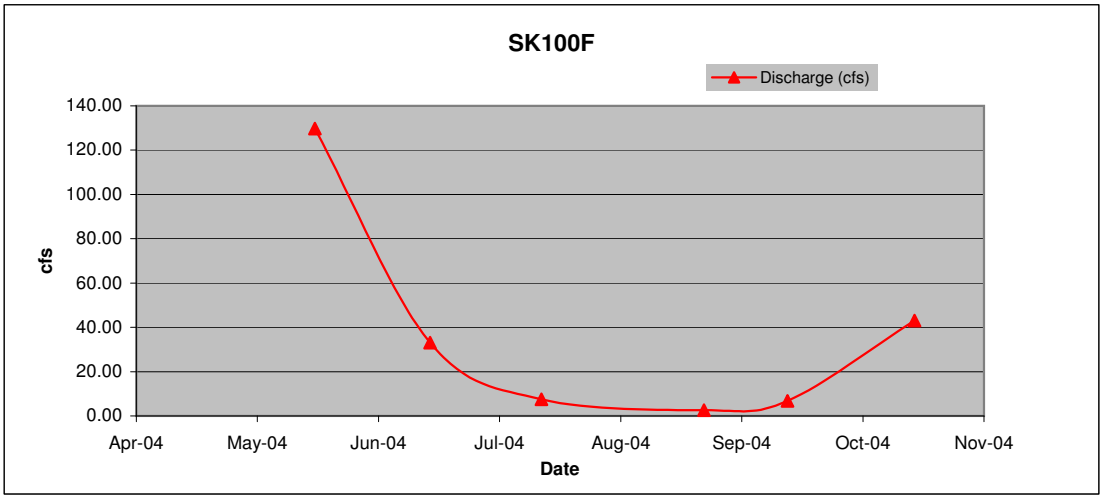
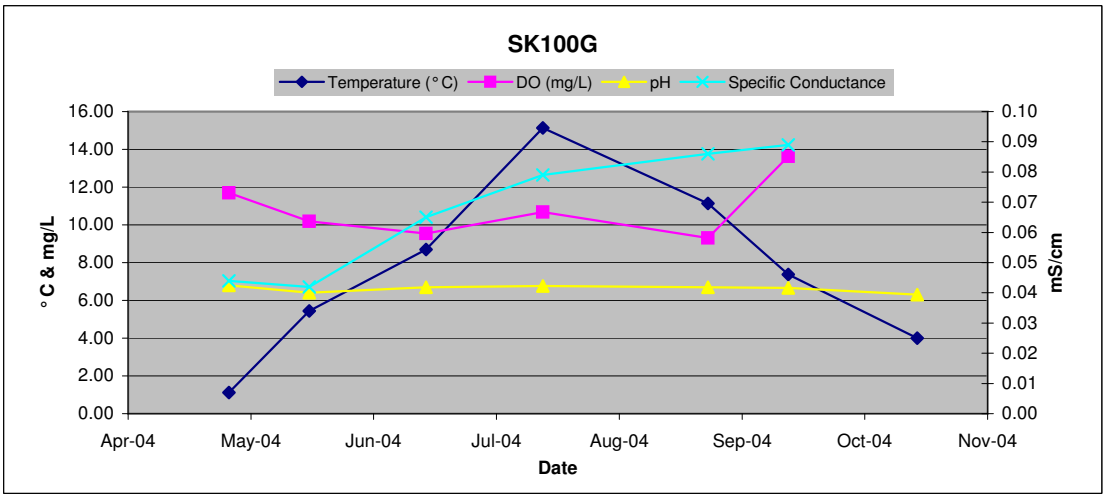



**Figure 6C-13**

**Northern Dynasty Mines Inc.**
**Pebble Surface Water Field Data 2004**
**SK100G Graphical Summary**

| Date | Temp (°C) | Specific Conductance (mS/cm) | Dissolved Oxygen (mg/L) | pH | ORP (mV) | Turbidity (NTU) | Discharge Q (cfs) |
|---|---|---|---|---|---|---|---|
| 28-Apr-04 | 1.12 | 0.04 | 11.70 | 6.80 | 246.00 | 5.00 | 23.26 |
| 18-May-04 | 5.44 | 0.04 | 10.18 | 6.40 | 359.00 | 4.30 | 48.14 |
| 16-Jun-04 | 8.70 | 0.07 | 9.54 | 6.70 | 256.00 | 0.90 | 12.15 |
| 15-Jul-04 | 15.14 | 0.08 | 10.68 | 6.76 | 51.00 | 9.80 | 6.16 |
| 25-Aug-04 | 11.13 | 0.09 | 9.30 | 6.70 | 211.00 | 2.10 | 3.46 |
| 14-Sep-04 | 7.37 | 0.09 | 13.63 | 6.66 | 230.00 | 3.10 | 2.07 |
| 16-Oct-04 | 4.00 | | | 6.30 | | | 15.82 |

Mean values were used in June and August because duplicate measurements were taken
Blank cells = no measurements taken



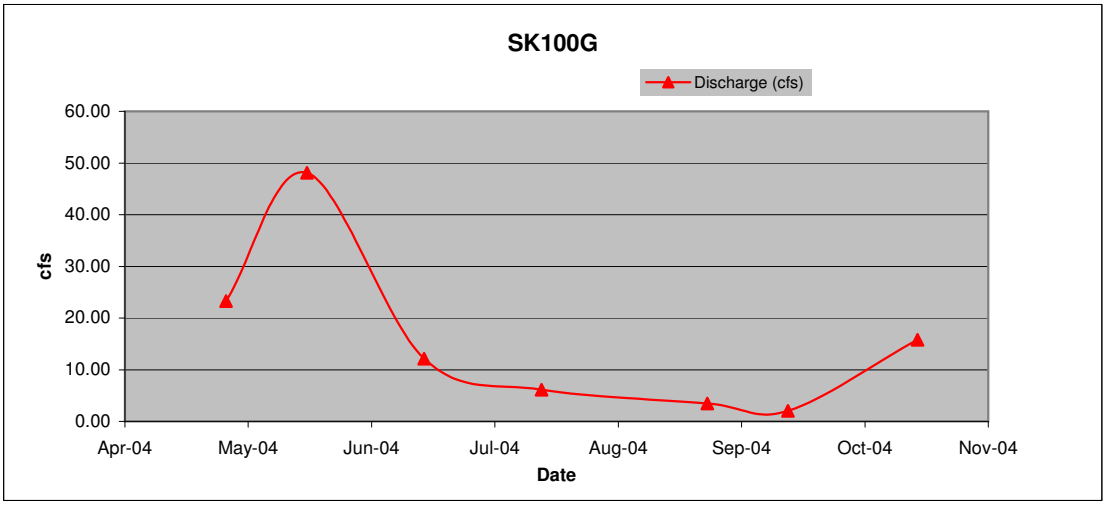
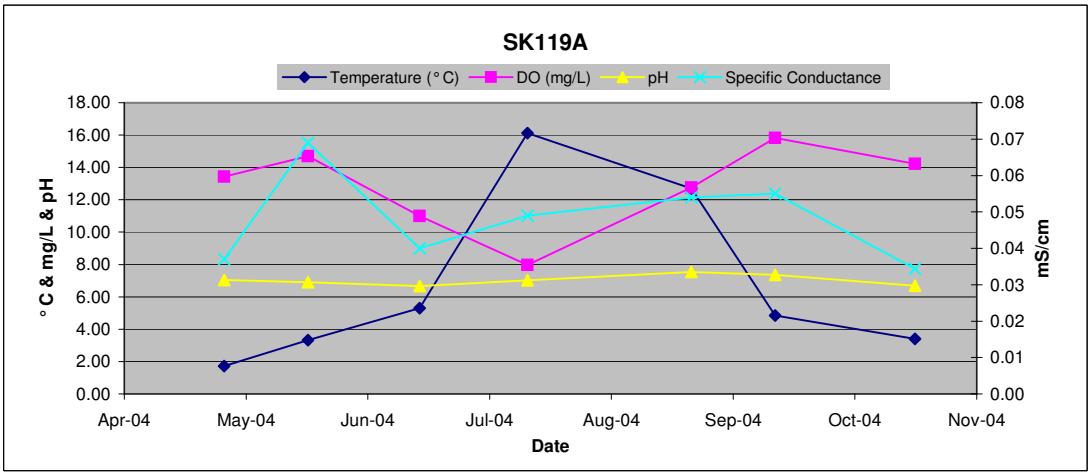



**Figure 6C-14**

**Northern Dynasty Mines Inc.**
**Pebble Surface Water Field Data 2004**
**SK119A Graphical Summary**

| Date | Temp (°C) | Specific Conductance (mS/cm) | Dissolved Oxygen (mg/L) | pH | ORP (mV) | Turbidity (NTU) | Discharge Q (cfs) |
|---|---|---|---|---|---|---|---|
| 28-Apr-04 | 1.73 | 0.04 | 13.44 | 7.05 | | 0.00 | 8.60 |
| 19-May-04 | 3.32 | 0.07 | 14.70 | 6.90 | 96.50 | 14.70 | 101.94 |
| 16-Jun-04 | 5.30 | 0.04 | 11.00 | 6.67 | -19.00 | 0.70 | 26.54 |
| 13-Jul-04 | 16.12 | 0.05 | 7.97 | 7.03 | 309.00 | 0.30 | 10.44 |
| 23-Aug-04 | 12.70 | 0.05 | 12.75 | 7.53 | 172.00 | 0.50 | 7.83 |
| 13-Sep-04 | 4.84 | 0.06 | 15.82 | 7.35 | 202.00 | 1.60 | 5.27 |
| 18-Oct-04 | 3.40 | 0.03 | 14.22 | 6.69 | | | |

Mean values were used in May and September because duplicate measurements were taken
Blank cells = no measurements taken



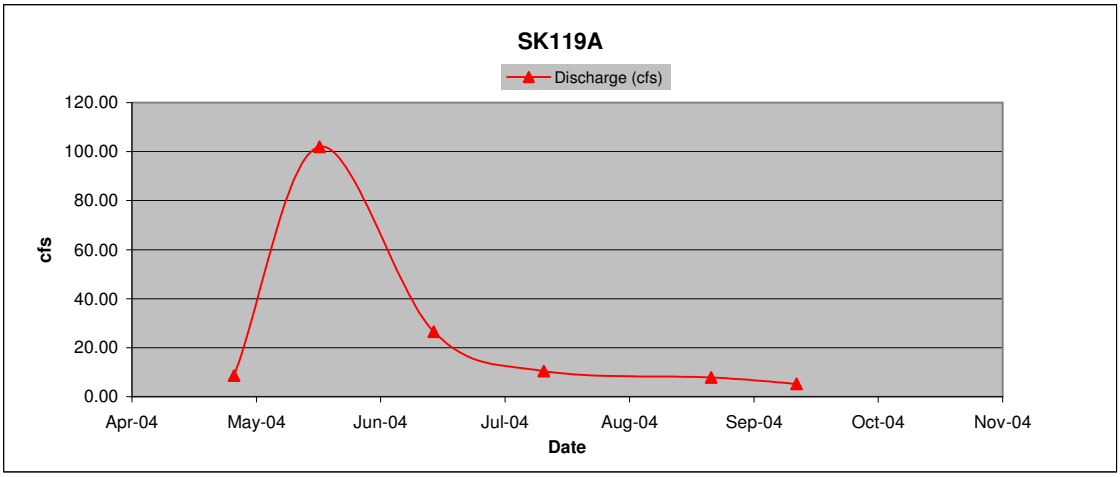
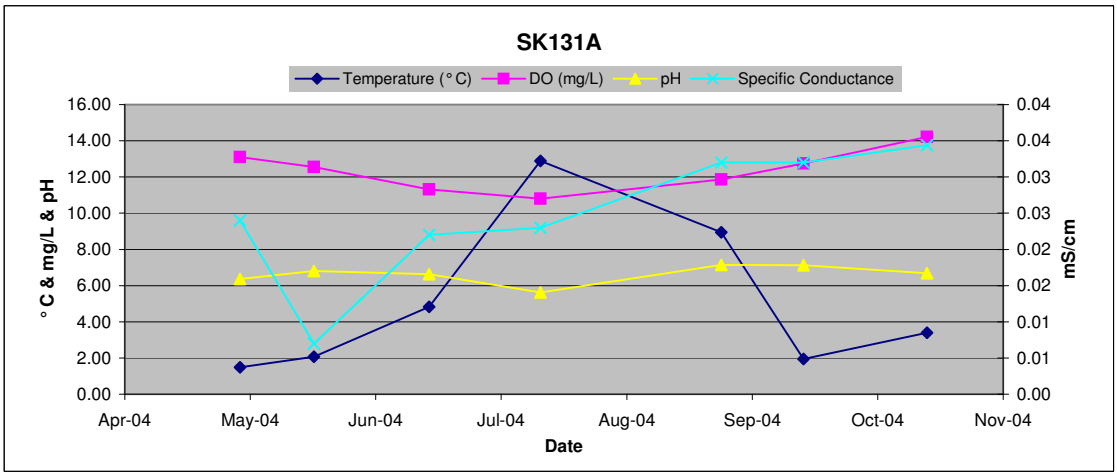



**Figure 6C-15**

**Northern Dynasty Mines Inc.**
**Pebble Surface Water Field Data 2004**
**SK131A Graphical Summary**

| Date | Temp (°C) | Specific Conductance (mS/cm) | Dissolved Oxygen (mg/L) | pH | ORP (mV) | Turbidity (NTU) | Discharge Q (cfs) |
|---|---|---|---|---|---|---|---|
| 1-May-04 | 1.48 | 0.02 | 13.10 | 6.36 | | | 4.62 |
| 19-May-04 | 2.07 | 0.01 | 12.55 | 6.81 | 441.00 | 12.30 | 27.70 |
| 16-Jun-04 | 4.83 | 0.02 | 11.31 | 6.63 | -8.00 | 2.40 | 8.51 |
| 13-Jul-04 | 12.89 | 0.02 | 10.80 | 5.62 | 148.00 | | 3.20 |
| 26-Aug-04 | 8.94 | 0.03 | 11.86 | 7.15 | 239.00 | 0.40 | 1.84 |
| 15-Sep-04 | 1.94 | 0.03 | 12.75 | 7.13 | 239.00 | 0.90 | 1.28 |
| 15-Oct-04 | 3.40 | 0.03 | 14.22 | 6.69 | | | 6.88 |

Blank cells = no measurements taken



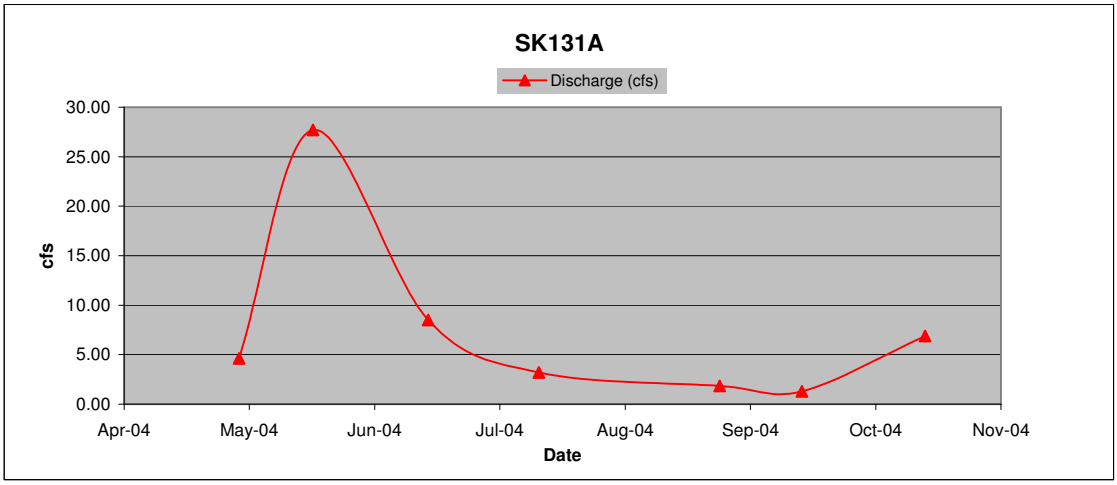
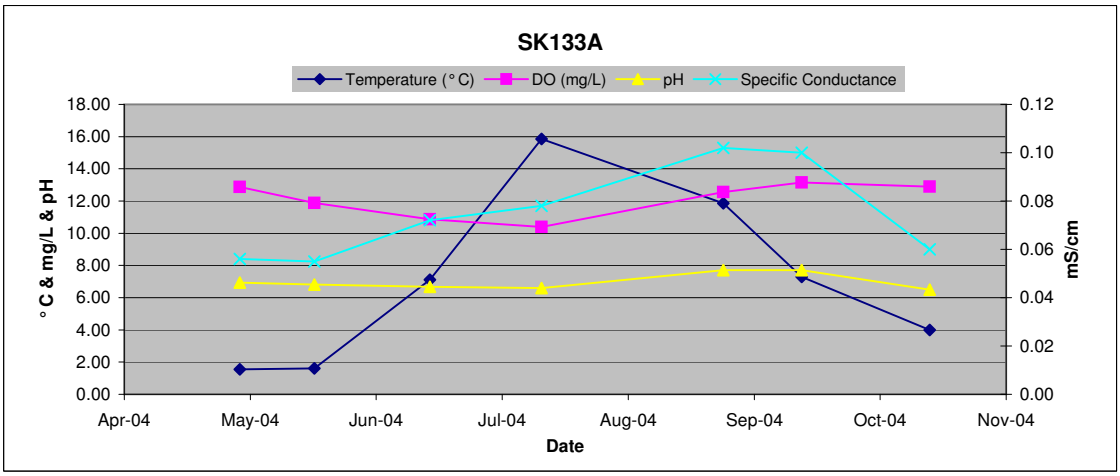



**Figure 6C-16**

**Northern Dynasty Mines Inc.**
**Pebble Surface Water Field Data 2004**
**SK133A Graphical Summary**

| Date | Temp (°C) | Specific Conductance (mS/cm) | Dissolved Oxygen (mg/L) | pH | ORP (mV) | Turbidity (NTU) | Discharge Q (cfs) |
|---|---|---|---|---|---|---|---|
| 1-May-04 | 1.55 | 0.06 | 12.87 | 6.93 | | 7.10 | 2.30 |
| 19-May-04 | 1.61 | 0.06 | 11.88 | 6.81 | | 5.10 | 4.29 |
| 16-Jun-04 | 7.11 | 0.07 | 10.87 | 6.67 | 1.00 | 1.80 | 1.53 |
| 13-Jul-04 | 15.85 | 0.08 | 10.39 | 6.60 | 19.00 | | 0.45 |
| 26-Aug-04 | 11.86 | 0.10 | 12.55 | 7.70 | 245.00 | 2.80 | 0.33 |
| 14-Sep-04 | 7.29 | 0.10 | 13.15 | 7.70 | 99.00 | 0.90 | 0.21 |
| 15-Oct-04 | 4.00 | 0.06 | 12.90 | 6.50 | | | 0.66 |

Blank cells = no measurements taken



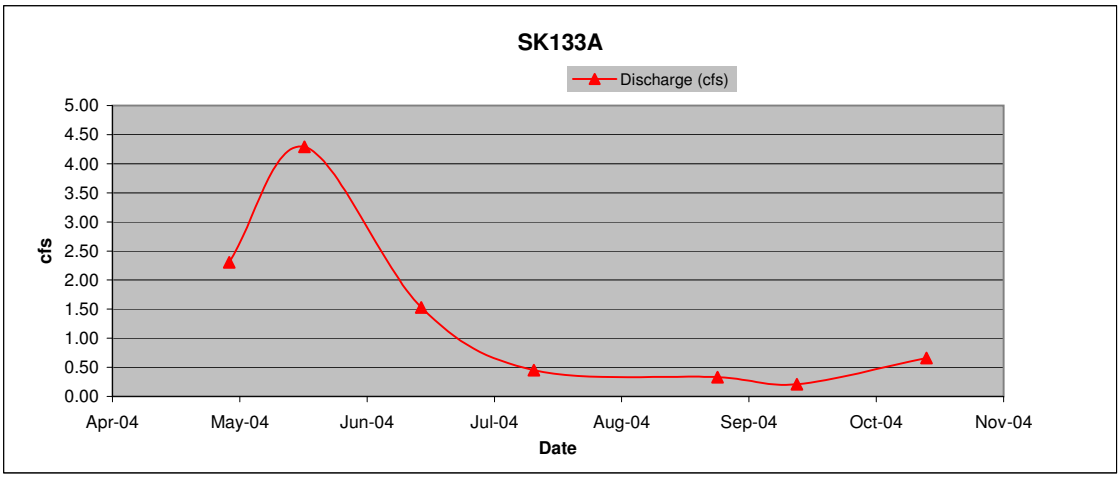
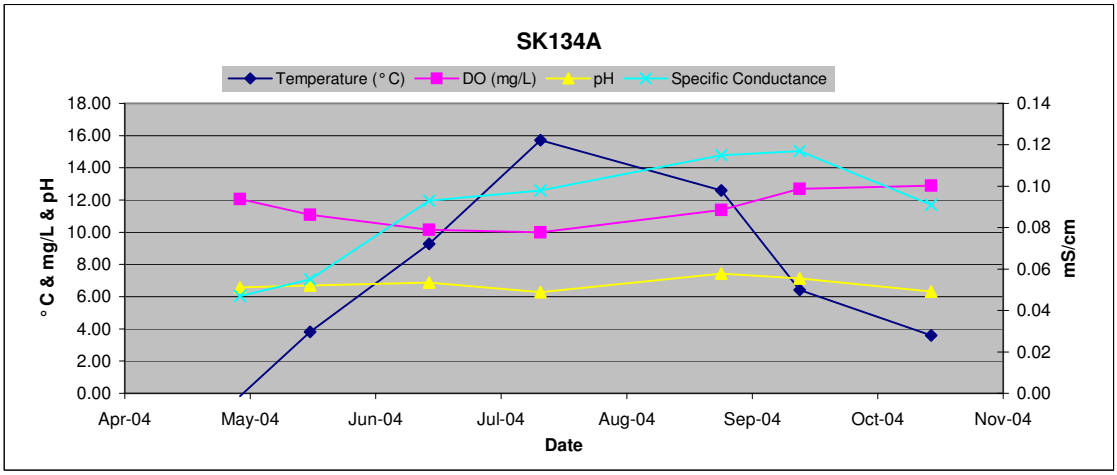



**Figure 6C-17**

**Northern Dynasty Mines Inc.**
**Pebble Surface Water Field Data 2004**
**SK134A Graphical Summary**

| Date | Temp (°C) | Specific Conductance (mS/cm) | Dissolved Oxygen (mg/L) | pH | ORP (mV) | Turbidity (NTU) | Discharge Q (cfs) |
|---|---|---|---|---|---|---|---|
| 1-May-04 | -0.18 | 0.05 | 12.05 | 6.58 | | 6.58 | 12.77 |
| 18-May-04 | 3.81 | 0.06 | 11.08 | 6.69 | 377.00 | 2.20 | 9.07 |
| 16-Jun-04 | 9.27 | 0.09 | 10.15 | 6.88 | 5.00 | 1.20 | 2.97 |
| 13-Jul-04 | 15.71 | 0.10 | 9.99 | 6.27 | -3.00 | | 0.96 |
| 26-Aug-04 | 12.60 | 0.12 | 11.38 | 7.43 | 235.00 | 2.50 | 0.93 |
| 14-Sep-04 | 6.41 | 0.12 | 12.69 | 7.14 | 107.00 | 0.70 | 0.56 |
| 16-Oct-04 | 3.60 | 0.09 | 12.89 | 6.31 | | | 3.26 |

Blank cells = no measurements taken



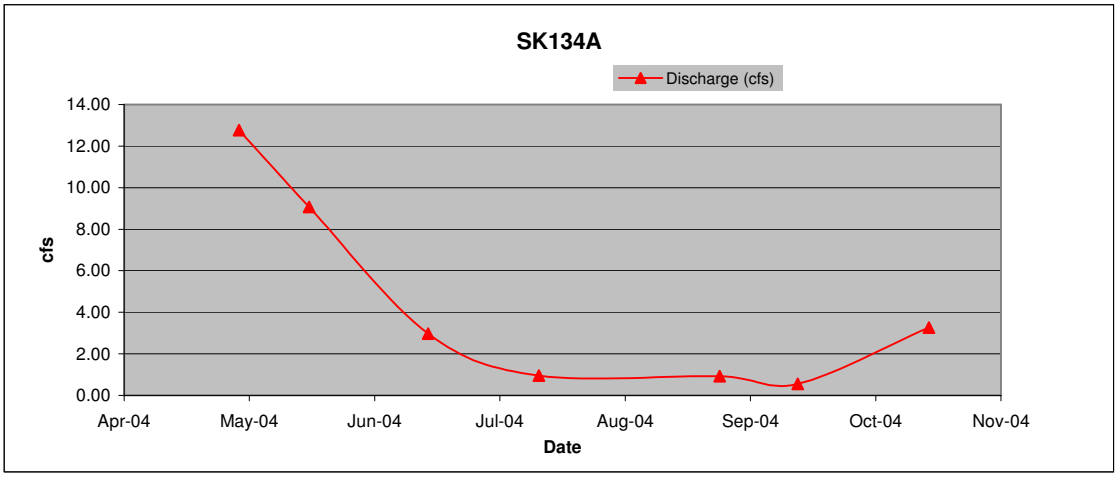
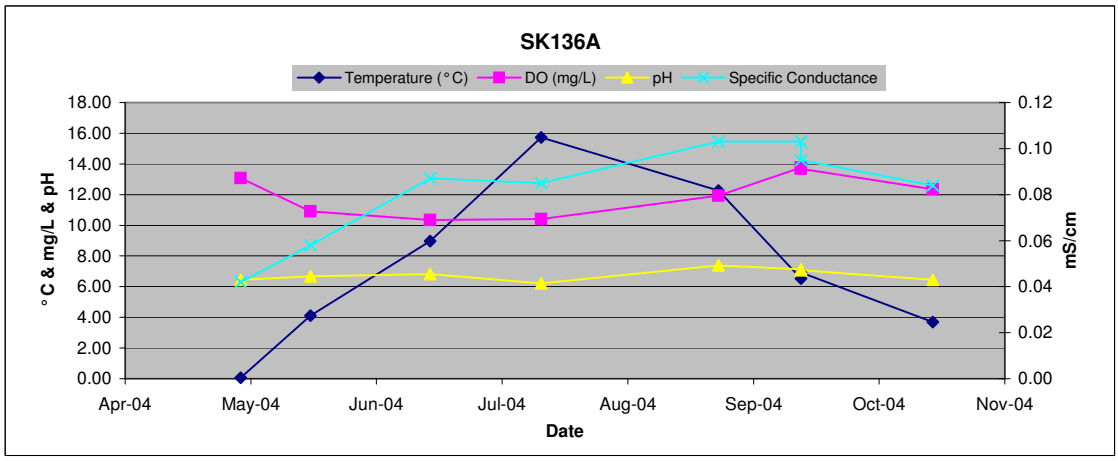



**Figure 6C-18**

**Northern Dynasty Mines Inc.**
**Pebble Surface Water Field Data 2004**
**SK136A Graphical Summary**

| Date | Temp (°C) | Specific Conductance (mS/cm) | Dissolved Oxygen (mg/L) | pH | ORP (mV) | Turbidity (NTU) | Discharge Q (cfs) |
|---|---|---|---|---|---|---|---|
| 1-May-04 | 0.07 | 0.04 | 13.08 | 6.45 | | 18.70 | 8.79 |
| 18-May-04 | 4.10 | 0.06 | 10.90 | 6.67 | 341.00 | 5.10 | 6.90 |
| 16-Jun-04 | 8.96 | 0.09 | 10.35 | 6.83 | -17.00 | 0.70 | 3.85 |
| 13-Jul-04 | 15.72 | 0.09 | 10.41 | 6.22 | 35.00 | 71.00 | 1.92 |
| 25-Aug-04 | 12.27 | 0.10 | 11.93 | 7.39 | 242.00 | 4.20 | 1.02 |
| 14-Sep-04 | 6.52 | 0.10 | 13.77 | 7.14 | 139.00 | 13.30 | 0.83 |
| 14-Sep-04 | 6.92 | 0.10 | 13.68 | 7.08 | 146.00 | 0.70 | 0.95 |
| 16-Oct-04 | 3.70 | 0.08 | 12.34 | 6.45 | | | 3.13 |

Blank cells = no measurements taken



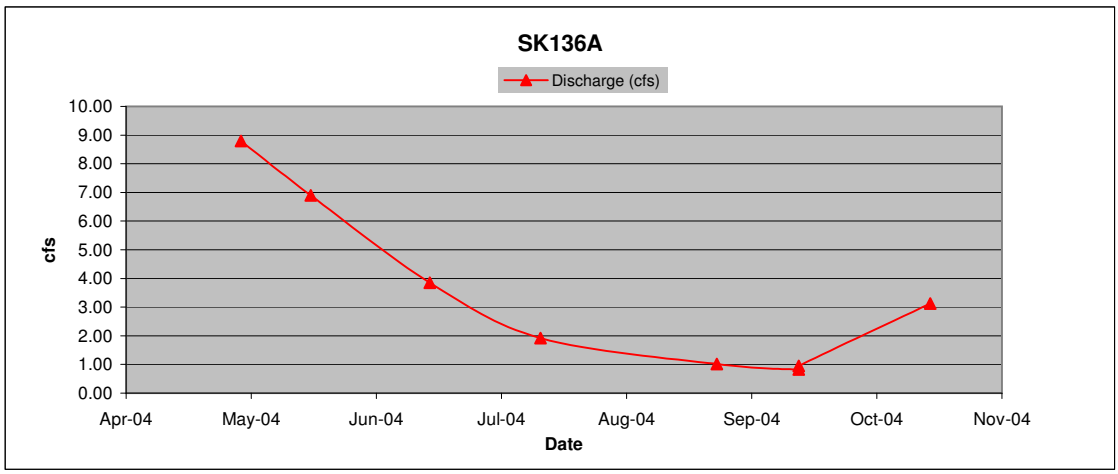
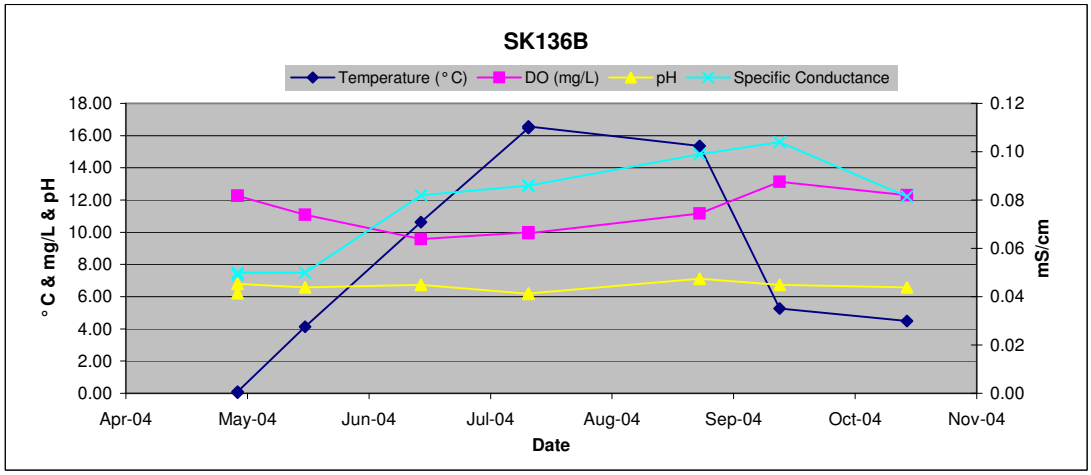



**Figure 6C-19**

**Northern Dynasty Mines Inc.**
**Pebble Surface Water Field Data 2004**
**SK136B Graphical Summary**

| Date | Temp (°C) | Specific Conductance (mS/cm) | Dissolved Oxygen (mg/L) | pH | ORP (mV) | Turbidity (NTU) | Discharge Q (cfs) |
|---|---|---|---|---|---|---|---|
| 1-May-04 | 0.04 | 0.05 | 12.26 | 6.21 | | 1.00 | 2.02 |
| 1-May-04 | 0.10 | 0.05 | 12.25 | 6.80 | | 5.00 | 2.05 |
| 18-May-04 | 4.14 | 0.05 | 11.08 | 6.57 | 352.00 | 27.80 | 2.47 |
| 16-Jun-04 | 10.62 | 0.08 | 9.58 | 6.73 | -9.00 | 0.00 | 1.83 |
| 13-Jul-04 | 16.47 | 0.09 | 10.00 | 6.17 | 40.00 | 22.10 | 0.62 |
| 13-Jul-04 | 16.56 | 0.09 | 9.93 | 6.20 | 50.00 | 16.80 | 0.68 |
| 25-Aug-04 | 15.35 | 0.10 | 11.17 | 7.12 | 275.00 | 0.90 | 0.21 |
| 14-Sep-04 | 5.27 | 0.10 | 13.13 | 6.73 | 187.00 | 0.60 | 0.23 |
| 16-Oct-04 | 4.50 | 0.08 | 12.30 | 6.57 | | | 1.16 |

Blank cells = no measurements taken



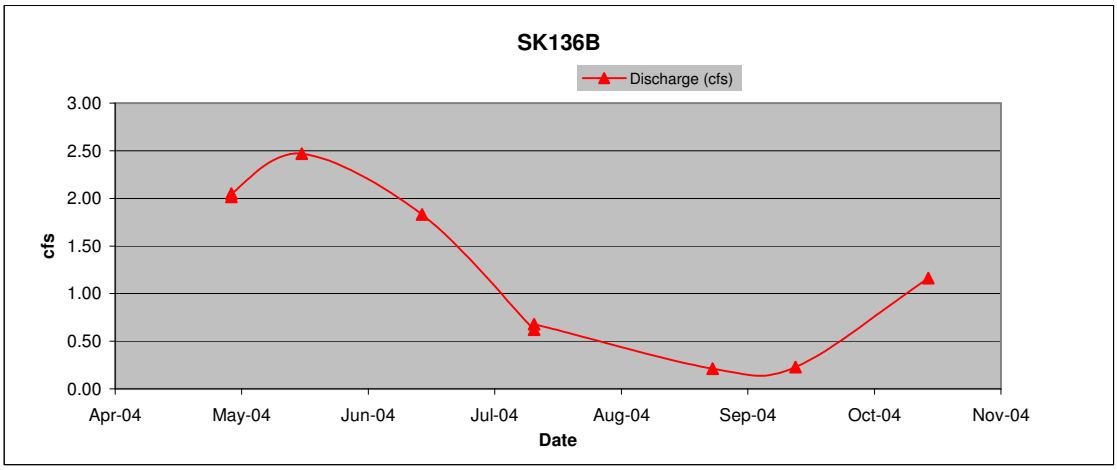
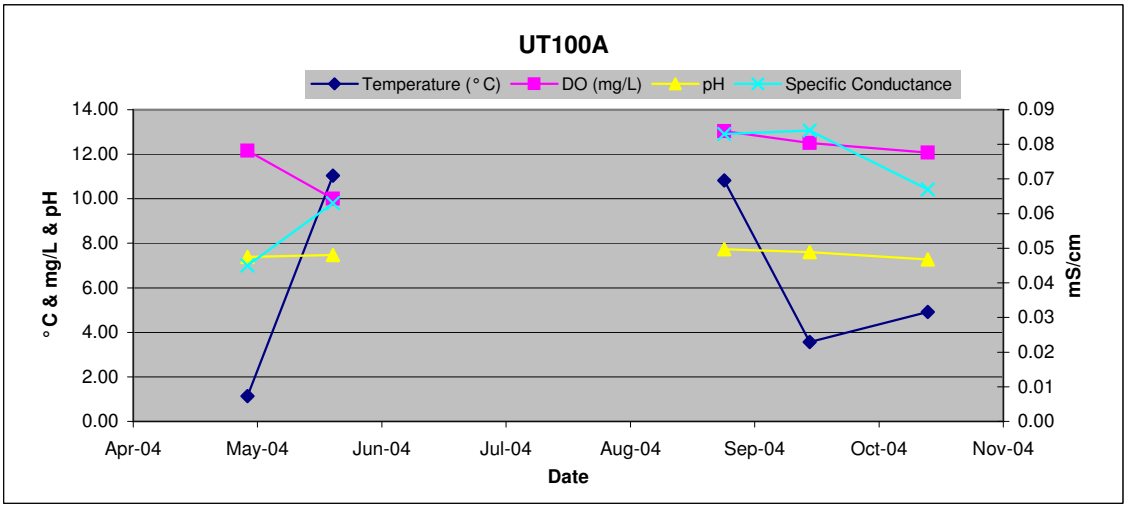



**Figure 6C-20**

**Northern Dynasty Mines Inc.**
**Pebble Surface Water Field Data 2004**
**UT100A Graphical Summary**

| Date | Temp (°C) | Specific Conductance (mS/cm) | Dissolved Oxygen (mg/L) | pH | ORP (mV) | Turbidity (NTU) | Discharge Q (cfs) |
|---|---|---|---|---|---|---|---|
| 1-May-04 | 1.13 | 0.05 | 12.16 | 7.39 | 1.00 | 5.30 | |
| 22-May-04 | 11.04 | 0.06 | 10.00 | 7.48 | 171.00 | | 438.27 |
| 17-Jun-04 | | | | | | | |
| 15-Jul-04 | | | | | | | |
| 26-Aug-04 | 10.83 | 0.08 | 13.03 | 7.73 | 231.00 | 2.10 | 136.91 |
| 16-Sep-04 | 3.56 | 0.08 | 12.50 | 7.60 | 187.00 | 2.60 | 114.35 |
| 15-Oct-04 | 4.92 | 0.07 | 12.07 | 7.28 | 139.00 | | 314.37 |

Blank cells = no measurements taken



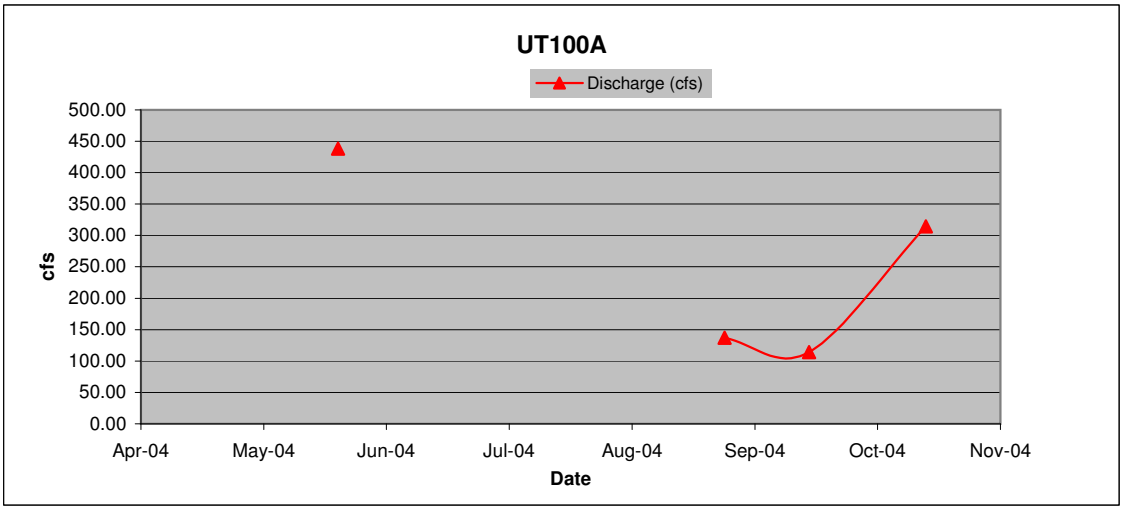
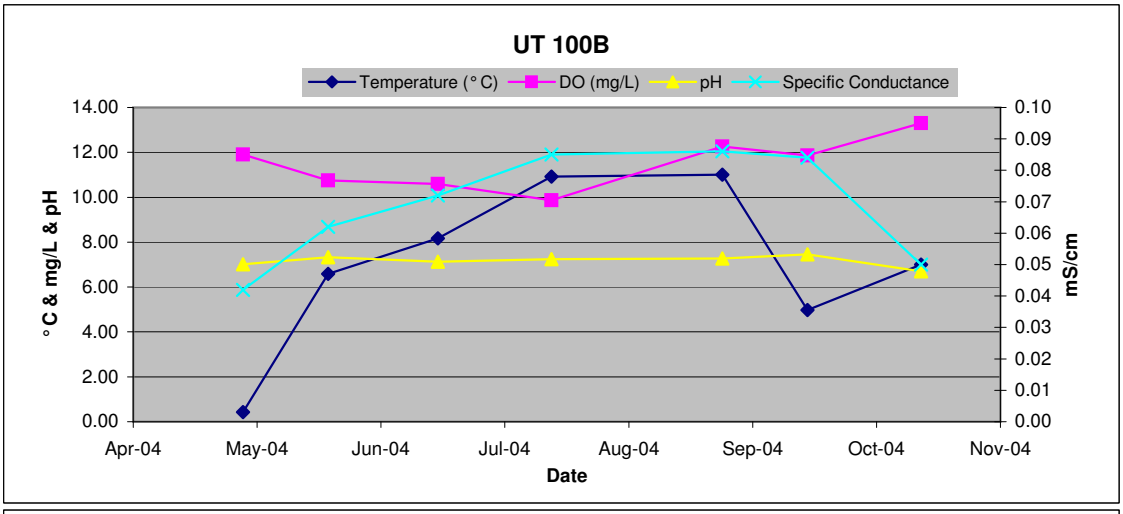



**Figure 6C-21**

**Northern Dynasty Mines Inc.**
**Pebble Surface Water Field Data 2004**
**UT100B Graphical Summary**

| Date | Temp (°C) | Specific Conductance (mS/cm) | Dissolved Oxygen (mg/L) | pH | ORP (mV) | Turbidity (NTU) | Discharge Q (cfs) |
|---|---|---|---|---|---|---|---|
| 30-Apr-04 | 0.43 | 0.04 | 11.91 | 7.02 | -30.00 | 25.70 | 362.00 |
| 21-May-04 | 6.58 | 0.06 | 10.75 | 7.33 | 98.00 | 5.50 | |
| 17-Jun-04 | 8.17 | 0.07 | 10.59 | 7.13 | 267.00 | 0.70 | 232.18 |
| 15-Jul-04 | 10.92 | 0.09 | 9.86 | 7.24 | 289.00 | 1.20 | 126.73 |
| 26-Aug-04 | 11.01 | 0.09 | 12.26 | 7.27 | 171.00 | 1.00 | 124.30 |
| 16-Sep-04 | 4.98 | 0.08 | 11.86 | 7.45 | 209.00 | 0.95 | 97.25 |
| 14-Oct-04 | 7.00 | 0.05 | 13.30 | 6.70 | | | 217.51 |

Mean values were used for June and September because duplicate measurements were taken
Blank cells = no measurements taken



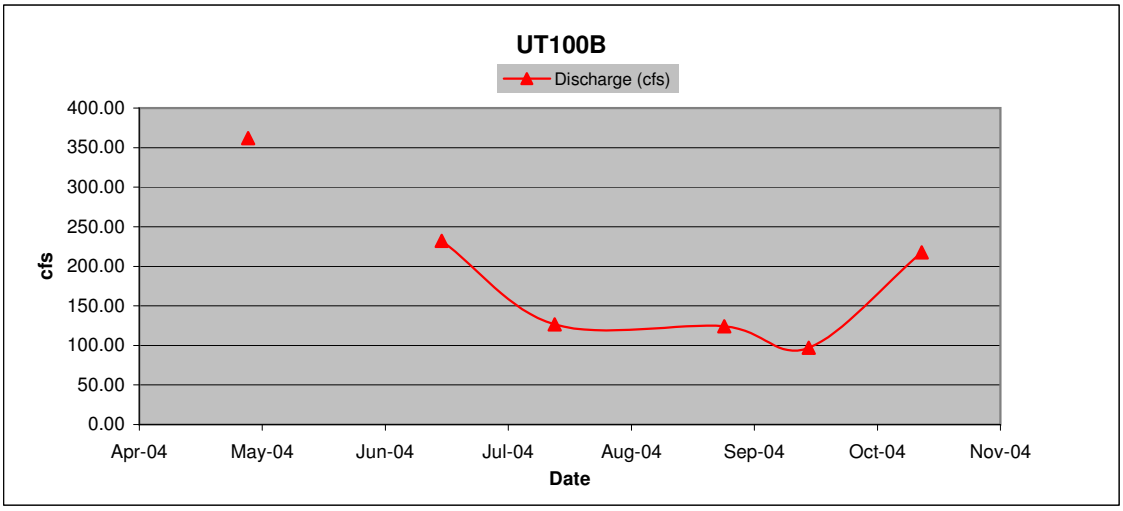
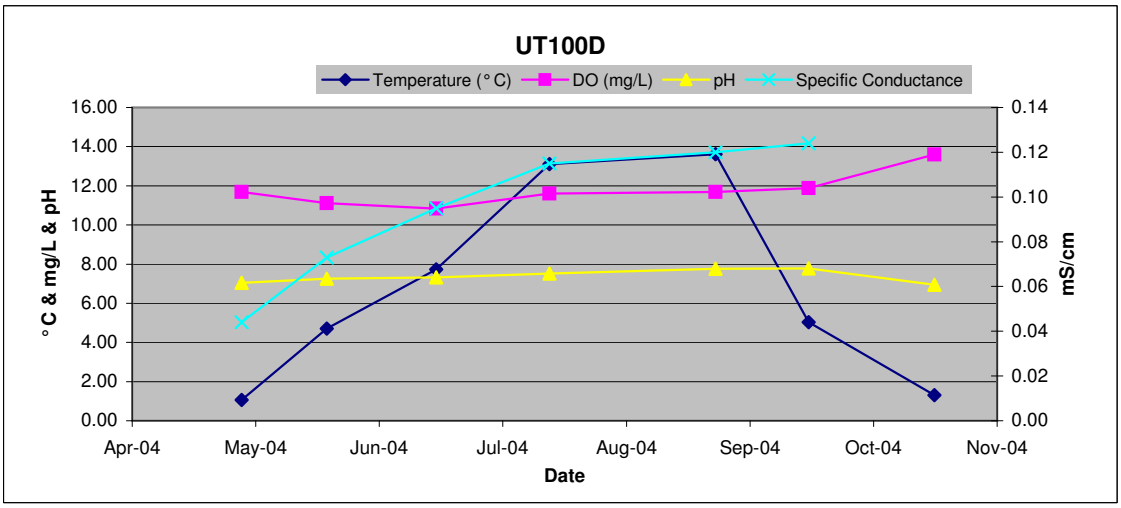



**Figure 6C-22**

**Northern Dynasty Mines Inc.**
**Pebble Surface Water Field Data 2004**
**UT100D Graphical Summary**

| Date | Temp (°C) | Specific Conductance (mS/cm) | Dissolved Oxygen (mg/L) | pH | ORP (mV) | Turbidity (NTU) | Discharge Q (cfs) |
|---|---|---|---|---|---|---|---|
| 30-Apr-04 | 1.07 | 0.04 | 11.68 | 7.04 | 84.00 | 7.00 | 112.04 |
| 21-May-04 | 4.71 | 0.07 | 11.12 | 7.26 | 93.00 | 3.10 | 47.44 |
| 17-Jun-04 | 7.73 | 0.10 | 10.84 | 7.32 | 259.00 | 11.00 | 47.44 |
| 15-Jul-04 | 13.10 | 0.12 | 11.60 | 7.51 | 35.00 | 1.80 | 12.88 |
| 25-Aug-04 | 13.61 | 0.12 | 11.69 | 7.76 | 272.00 | | 7.89 |
| 17-Sep-04 | 5.03 | 0.12 | 11.88 | 7.78 | 198.00 | 0.40 | 7.89 |
| 18-Oct-04 | 1.30 | | 13.59 | 6.95 | | | 25.53 |

Blank cells = no measurements taken



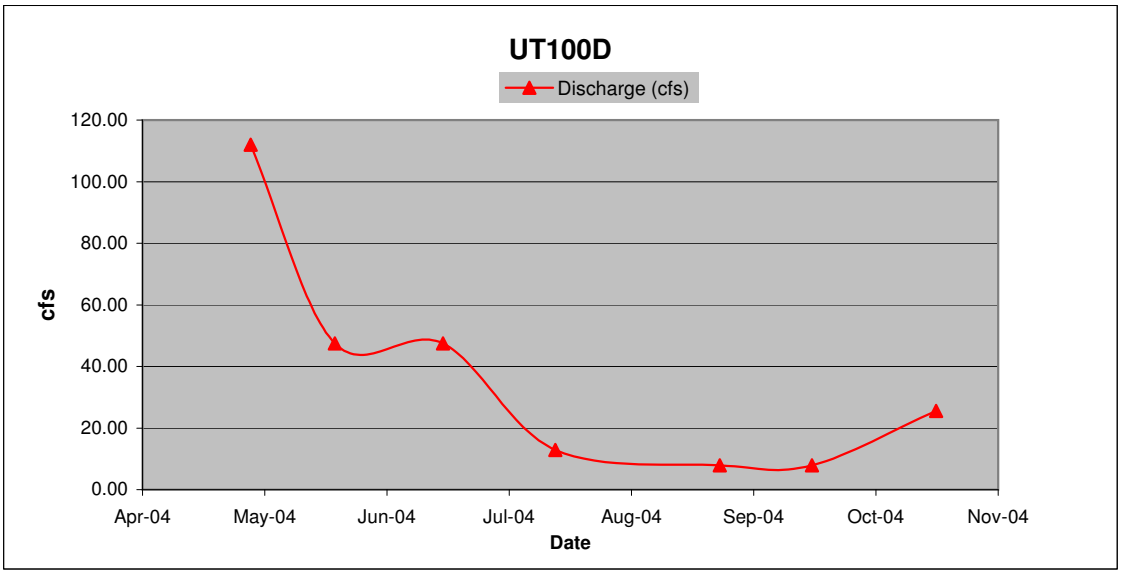
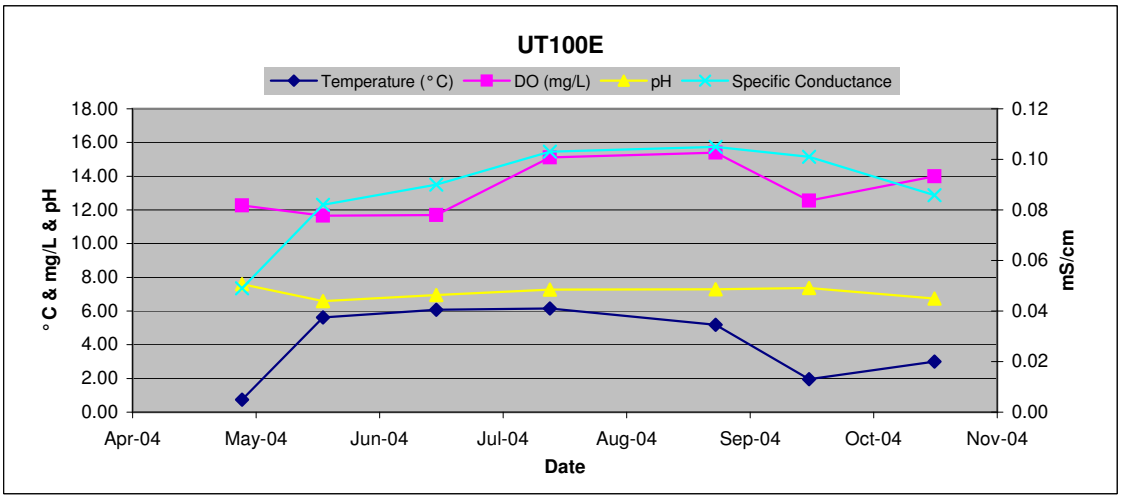



**Figure 6C-23**

**Northern Dynasty Minerals**
**Pebble Surface Water Field Data 2004**
**UT100E Graphical Summary**

| Date | Temp (°C) | Specific Conductance (mS/cm) | Dissolved Oxygen (mg/L) | pH | ORP (mV) | Turbidity (NTU) | Discharge Q (cfs) |
|---|---|---|---|---|---|---|---|
| 30-Apr-04 | 0.75 | 0.05 | 12.27 | 7.59 | -10.00 | 7.90 | 22.41 |
| 20-May-04 | 5.62 | 0.08 | 11.66 | 6.59 | | | 20.18 |
| 17-Jun-04 | 6.07 | 0.09 | 11.69 | 6.95 | 52.00 | 1.60 | 19.04 |
| 15-Jul-04 | 6.15 | 0.10 | 15.11 | 7.28 | -92.00 | 0.70 | 7.04 |
| 25-Aug-04 | 5.18 | 0.11 | 15.39 | 7.30 | 191.00 | 2.20 | 4.57 |
| 17-Sep-04 | 1.96 | 0.10 | 12.56 | 7.37 | 211.00 | 0.60 | 3.85 |
| 18-Oct-04 | 3.00 | 0.09 | 13.99 | 6.74 | | | 8.50 |

Mean Field Parameters used for August because duplicate samples were taken
Blank cells = no measurements taken



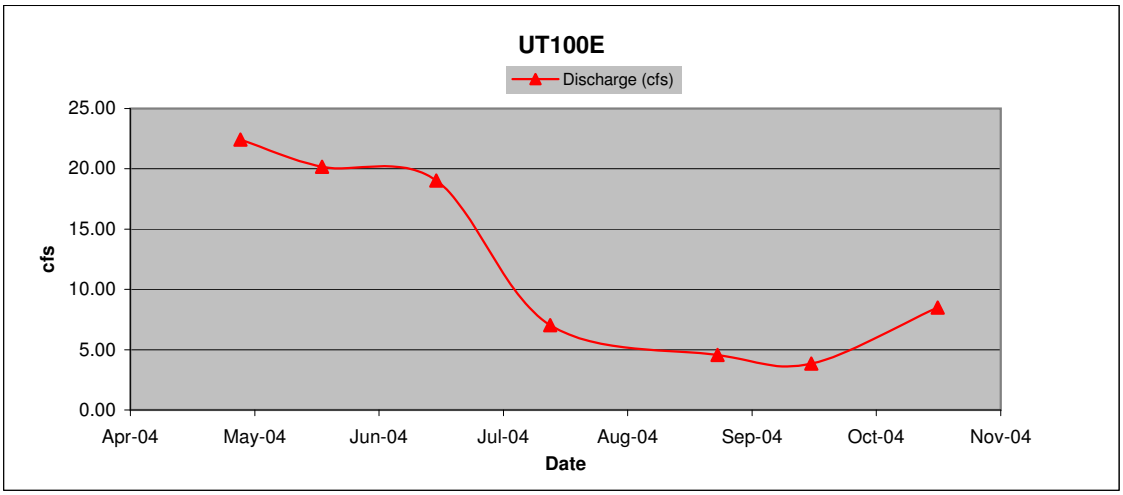
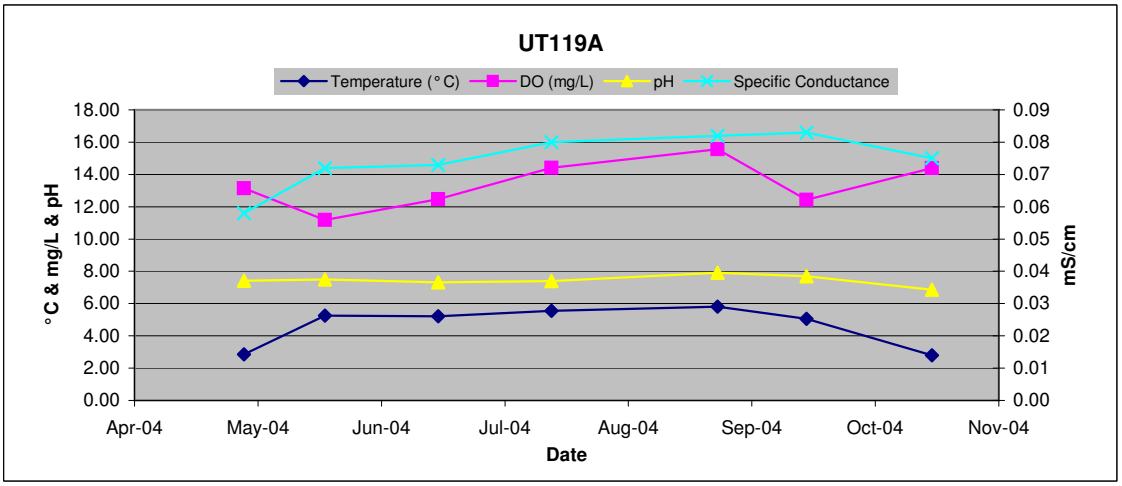



**Figure 6C-24**

**Northern Dynasty Mines Inc.**
**Pebble Surface Water Field Data 2004**
**UT119A Graphical Summary**

| Date | Temp (°C) | Specific Conductance (mS/cm) | Dissolved Oxygen (mg/L) | pH | ORP (mV) | Turbidity (NTU) | Discharge Q (cfs) |
|---|---|---|---|---|---|---|---|
| 30-Apr-04 | 2.85 | 0.06 | 13.14 | 7.42 | | 0.00 | 35.88 |
| 20-May-04 | 5.26 | 0.07 | 11.18 | 7.50 | | 2.60 | 34.88 |
| 17-Jun-04 | 5.22 | 0.07 | 12.47 | 7.31 | 55.00 | 2.10 | 35.04 |
| 15-Jul-04 | 5.56 | 0.08 | 14.42 | 7.40 | -70.00 | 14.90 | 27.31 |
| 25-Aug-04 | 5.80 | 0.08 | 15.56 | 7.90 | 194.00 | 1.60 | 25.49 |
| 16-Sep-04 | 5.05 | 0.08 | 12.42 | 7.69 | 222.00 | 0.00 | 25.18 |
| 17-Oct-04 | 2.80 | 0.08 | 14.39 | 6.85 | | | 23.95 |

Blank cells = no measurements taken



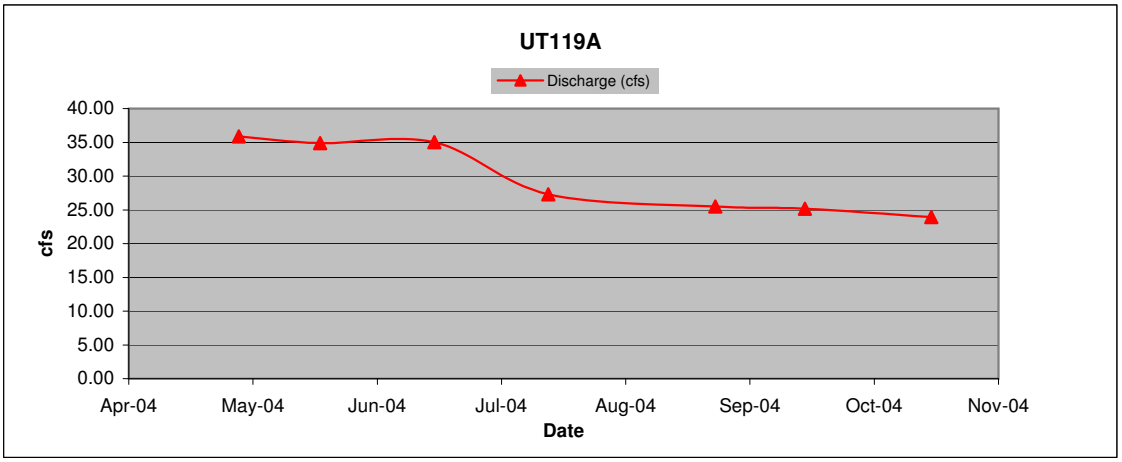
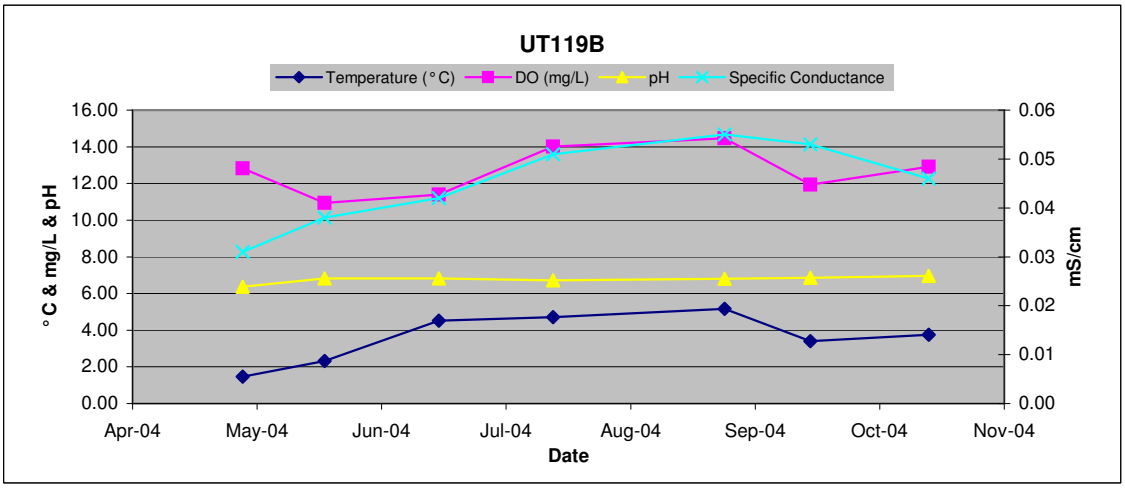



**Figure 6C-25**

**Northern Dynasty Mines Inc.**
**Pebble Surface Water Field Data 2004**
**UT119B Graphical Summary**

| Date | Temp (°C) | Specific Conductance (mS/cm) | Dissolved Oxygen (mg/L) | pH | ORP (mV) | Turbidity (NTU) | Discharge Q (cfs) |
|---|---|---|---|---|---|---|---|
| 30-Apr-04 | 1.46 | 0.03 | 12.83 | 6.37 | | 0.40 | 1.91 |
| 20-May-04 | 2.32 | 0.04 | 10.94 | 6.83 | 4.77 | 2.40 | 4.62 |
| 17-Jun-04 | 4.52 | 0.04 | 11.39 | 6.82 | 87.00 | 0.60 | 3.63 |
| 15-Jul-04 | 4.71 | 0.05 | 14.01 | 6.71 | 162.00 | 3.80 | 2.03 |
| 26-Aug-04 | 5.17 | 0.06 | 14.46 | 6.81 | 217.00 | 0.50 | 0.95 |
| 16-Sep-04 | 3.40 | 0.05 | 11.93 | 6.86 | 191.00 | 0.00 | 0.64 |
| 15-Oct-04 | 3.76 | 0.05 | 12.91 | 6.96 | 153.00 | | 3.52 |

Blank cells = no measurements taken



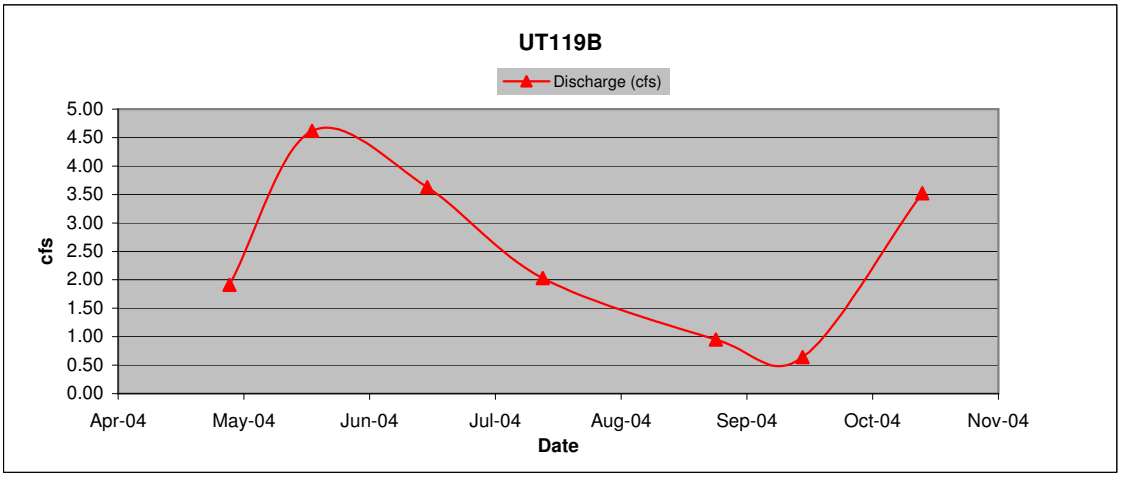
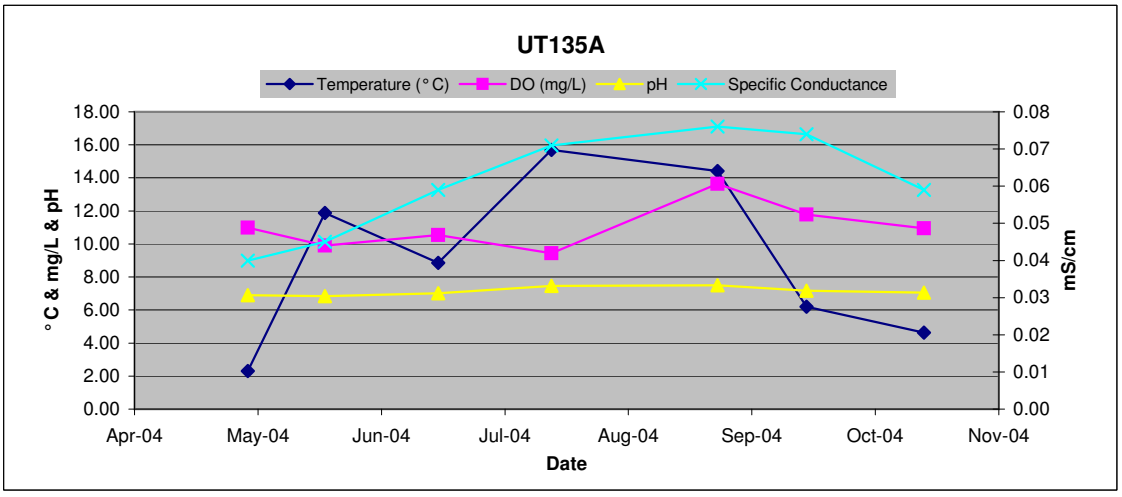



**Figure 6C-26**

**Northern Dynasty Mines Inc.**
**Pebble Surface Water Field Data 2004**
**UT135A Graphical Summary**

| Date | Temp (°C) | Specific Conductance (mS/cm) | Dissolved Oxygen (mg/L) | pH | ORP (mV) | Turbidity (NTU) | Discharge Q (cfs) |
|---|---|---|---|---|---|---|---|
| 1-May-04 | 2.30 | 0.04 | 10.98 | 6.89 | -46.00 | 9.20 | |
| 20-May-04 | 11.87 | 0.05 | 9.90 | 6.84 | 158.00 | 0.00 | 86.72 |
| 17-Jun-04 | 8.85 | 0.06 | 10.55 | 7.01 | 265.00 | 0.00 | 71.74 |
| 15-Jul-04 | 15.69 | 0.07 | 9.44 | 7.45 | 287.00 | 0.00 | 18.24 |
| 25-Aug-04 | 14.41 | 0.08 | 13.65 | 7.50 | 236.00 | 0.00 | 14.29 |
| 16-Sep-04 | 6.20 | 0.07 | 11.79 | 7.16 | 213.00 | 1.00 | 12.18 |
| 15-Oct-04 | 4.63 | 0.06 | 10.95 | 7.05 | 134.00 | | 40.88 |

Blank cells = no measurements taken



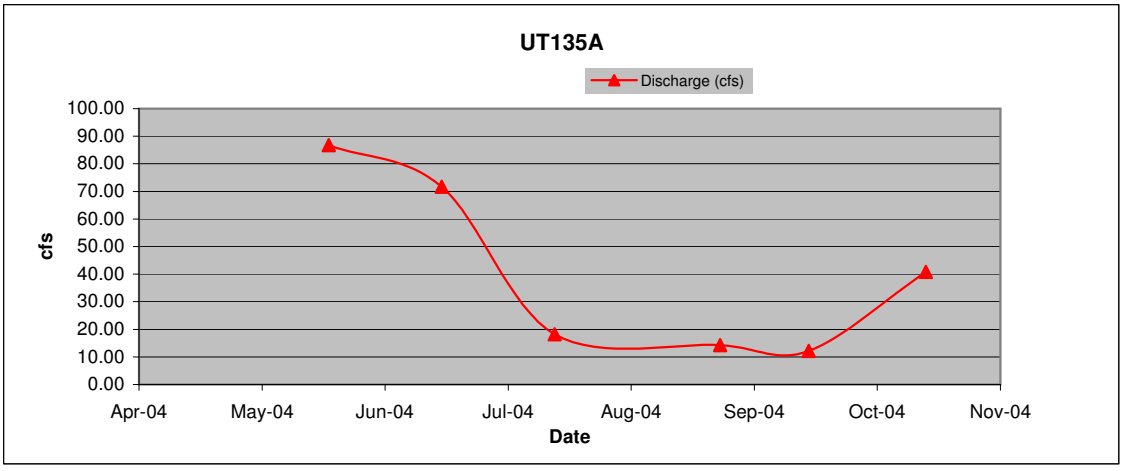
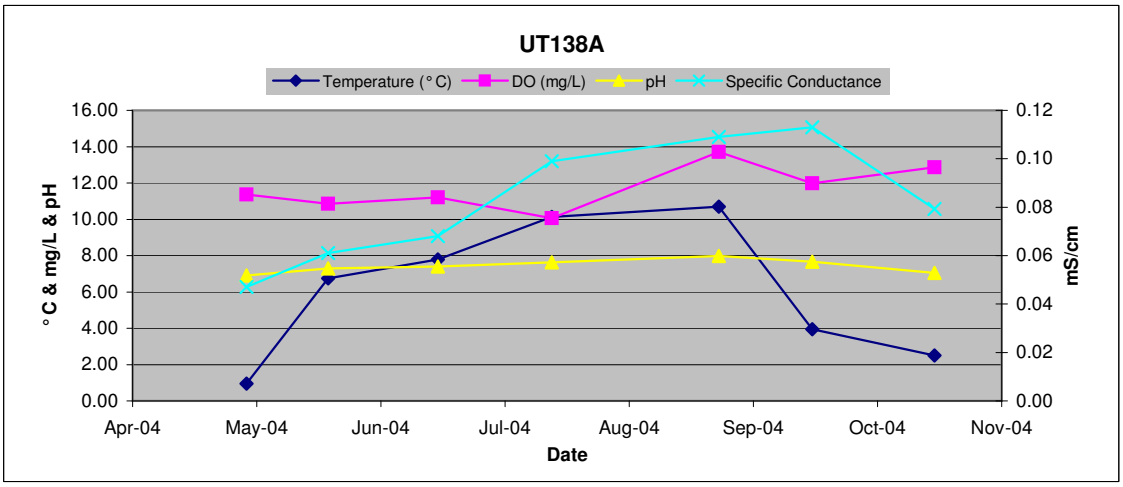



**Figure 6C-27**

**Northern Dynasty Mines Inc.**
**Pebble Surface Water Field Data 2004**
**UT138A Graphical Summary**

| Date | Temp (°C) | Specific Conductance (mS/cm) | Dissolved Oxygen (mg/L) | pH | ORP (mV) | Turbidity (NTU) | Discharge Q (cfs) |
|---|---|---|---|---|---|---|---|
| 1-May-04 | 0.95 | 0.05 | 11.36 | 6.90 | 10.00 | 11.10 | 16.16 |
| 21-May-04 | 6.75 | 0.06 | 10.86 | 7.30 | 117.00 | 4.80 | 10.81 |
| 17-Jun-04 | 7.79 | 0.07 | 11.21 | 7.40 | 233.00 | 6.60 | 9.91 |
| 15-Jul-04 | 10.13 | 0.10 | 10.07 | 7.63 | 2.68 | 5.80 | 1.57 |
| 25-Aug-04 | 10.69 | 0.11 | 13.71 | 7.99 | 170.00 | 0.80 | 0.95 |
| 17-Sep-04 | 3.94 | 0.11 | 11.98 | 7.67 | 227.00 | 0.10 | 0.98 |
| 17-Oct-04 | 2.50 | 0.08 | 12.87 | 7.04 | | | 4.10 |

Mean values used for May and July because duplicate measurement were taken
Blank cells = no measurements taken



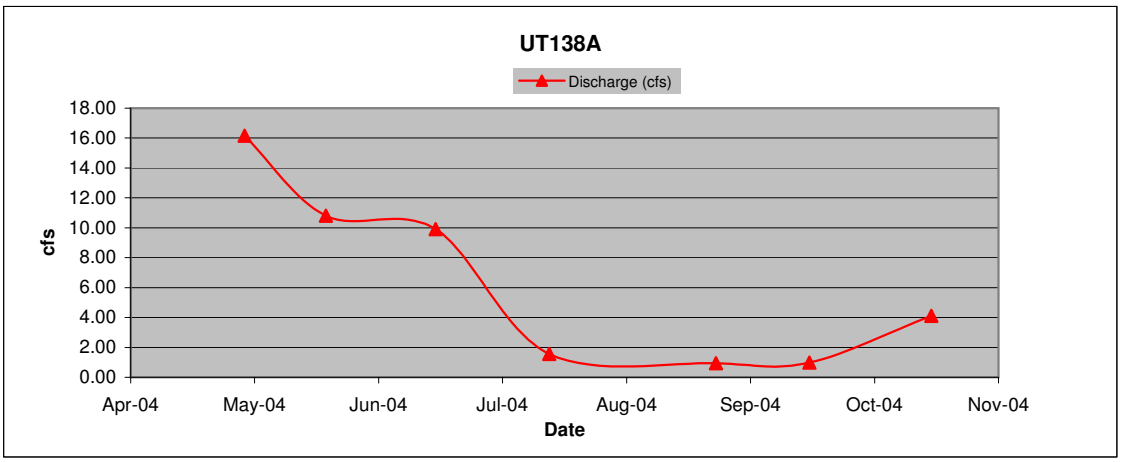
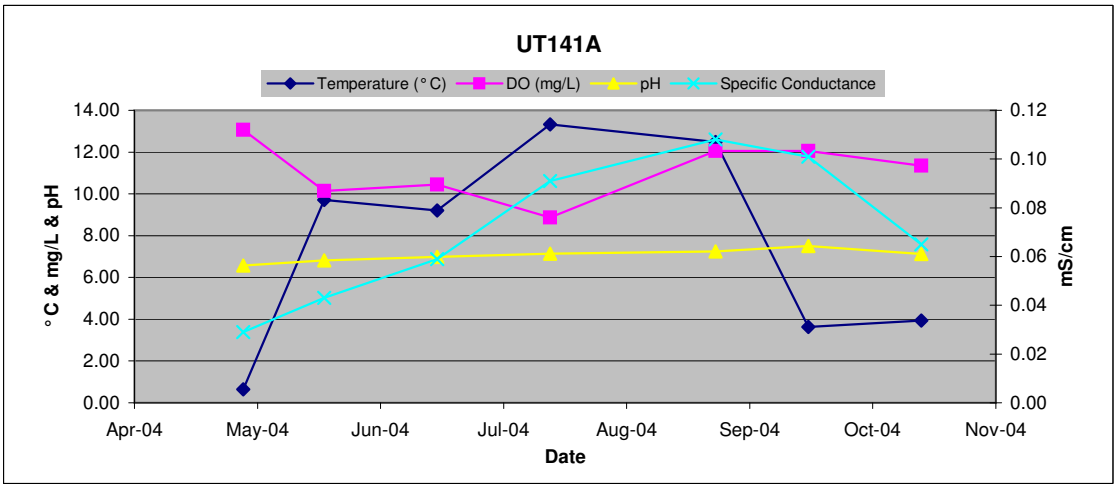



**Figure 6C-28**

**Northern Dynasty Mines Inc.**
**Pebble Surface Water Field Data 2004**
**UT141A Graphical Summary**

| Date | Temp (°C) | Specific Conductance (mS/cm) | Dissolved Oxygen (mg/L) | pH | ORP (mV) | Turbidity (NTU) | Discharge Q (cfs) |
|---|---|---|---|---|---|---|---|
| 30-Apr-04 | 0.64 | 0.03 | 13.07 | 6.57 | | 14.90 | 22.19 |
| 20-May-04 | 9.71 | 0.04 | 10.14 | 6.81 | 128.00 | 0.00 | 11.06 |
| 17-Jun-04 | 9.20 | 0.06 | 10.44 | 6.98 | 57.00 | 1.20 | 10.19 |
| 15-Jul-04 | 13.32 | 0.09 | 8.87 | 7.14 | 259.00 | 3.00 | 1.66 |
| 25-Aug-04 | 12.49 | 0.11 | 12.06 | 7.24 | 181.00 | 1.20 | 1.10 |
| 17-Sep-04 | 3.63 | 0.10 | 12.06 | 7.51 | 150.00 | 0.90 | 0.89 |
| 15-Oct-04 | 3.94 | 0.07 | 11.35 | 7.12 | 106.00 | | |

Blank cells = no measurements taken



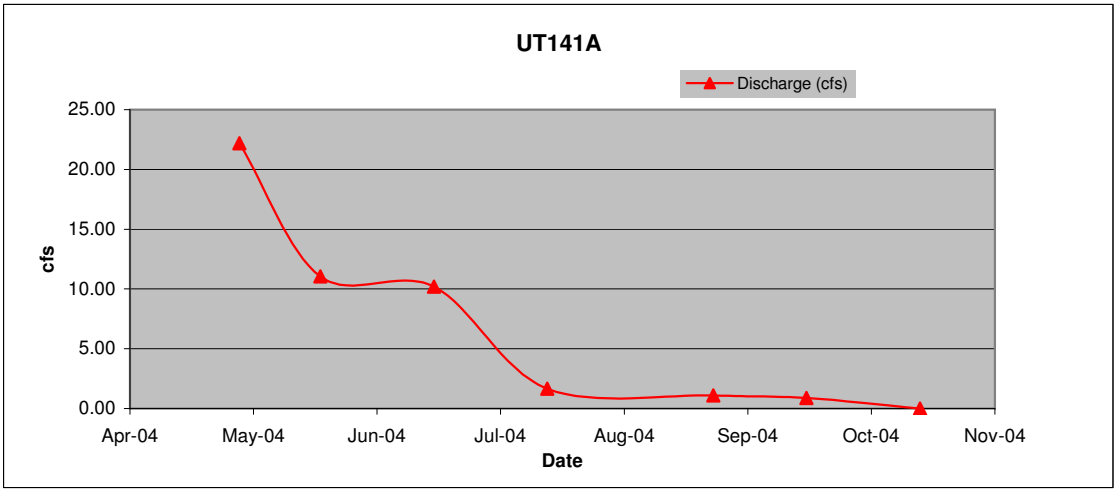
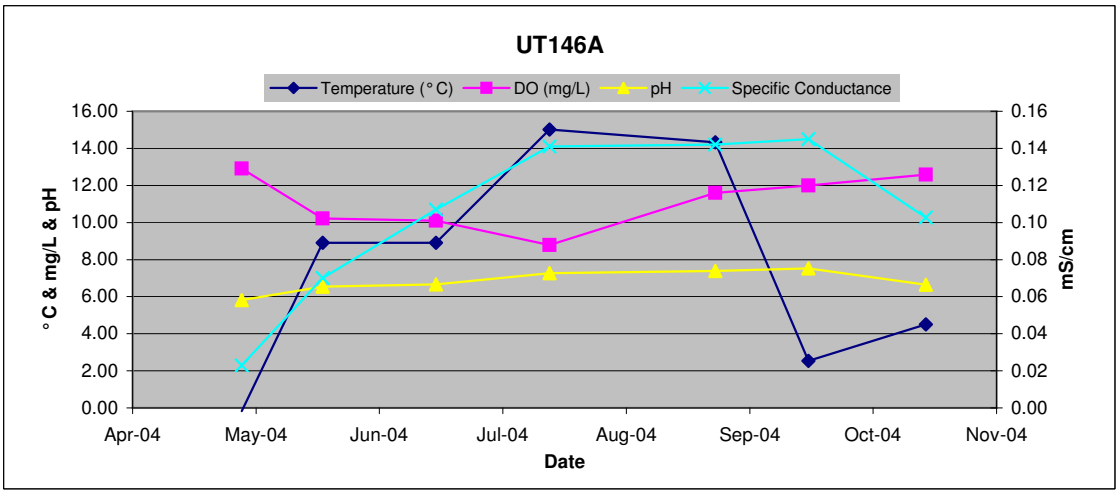



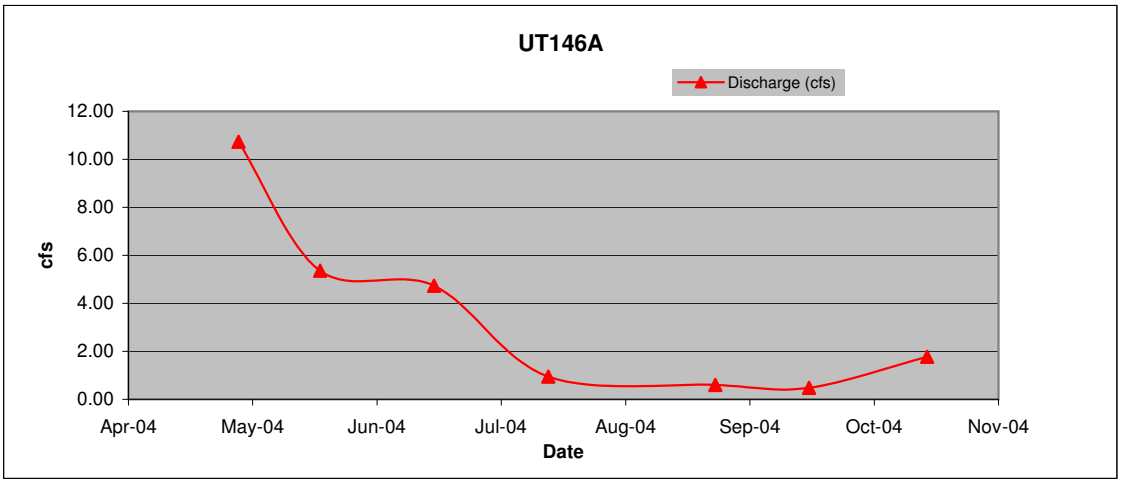
**Figure 6C-29**

**Northern Dynasty Mines Inc.**
**Pebble Surface Water Field Data 2004**
**UT146A Graphical Summary**

| Date | Temp (°C) | Specific Conductance (mS/cm) | Dissolved Oxygen (mg/L) | pH | ORP (mV) | Turbidity (NTU) | Discharge Q (cfs) |
|---|---|---|---|---|---|---|---|
| 30-Apr-04 | -0.17 | 0.02 | 12.91 | 5.81 | | 16.30 | 10.73 |
| 20-May-04 | 8.91 | 0.07 | 10.22 | 6.54 | 130.00 | 0.00 | 5.36 |
| 17-Jun-04 | 8.91 | 0.11 | 10.10 | 6.67 | 59.00 | 4.90 | 4.73 |
| 15-Jul-04 | 15.01 | 0.14 | 8.79 | 7.26 | 258.00 | 1.10 | 0.95 |
| 25-Aug-04 | 14.33 | 0.14 | 11.60 | 7.39 | 171.00 | 1.30 | 0.60 |
| 17-Sep-04 | 2.54 | 0.15 | 12.00 | 7.53 | 151.00 | 3.20 | 0.48 |
| 16-Oct-04 | 4.50 | 0.10 | 12.58 | 6.65 | | | 1.77 |

Blank cells = no measurements taken



**Pebble Surface Water Field Data - 2004**

SEEP01 Station Summary

**Site:** **SEEP01**

**Teams:**

| | |
|---|---|
| April-04 | Not sampled in April |
| May-04 | Jeff Franklin, Sonja Carr |
| June-04 | Not sampled in June |
| July-04 | Not sampled in July |
| August-04 | Not sampled in August |
| September-04 | Jeff Franklin, Gary Marttila |

| Date | Time | Temp (C) | Specific Conductance (mS/cm) | DO (mg/L) | pH | ORP (mV) | Turbidity (NTU) | Discharge (cfs) | Degrees, Decimal Minutes WGS 84 | | Decimal Degrees WGS 84 | | State Plane, Zone 5, Feet NRD83 | | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | X | Y | X | Y | |
| 21-May-04 | 15:40 | 6.58 | 0.081 | 7.83 | 5.45 | 4 | 3.1 | 0.5 gal/min | W155. °15.261' | N59. °51.141' | -155.254350 | 59.852350 | 1409791.90 | 2140111.21 | |
| 16-Sep-04 | 9:00 | 1.69 | 0.068 | 16.33 | 5.45 | 59 | 1.5 | 1.0 gal/min | | | | | | | |
| **TOTAL** | | | | | | | | | | | | | | | |

**Pebble Surface Water Field Data - 2004**
SEEP02 Station Summary

**Site:** **SEEP02**
**Teams:** April-04 Not sampled in April
May-04 Jeff Franklin, Sonja Carr
June-04 Not sampled in June
July-04 Not sampled in July
August-04 Not sampled in August
September-04 Jeff Franklin, Gary Marttila

| Date | Time | Temp | Specific Conductanc | DO | pH | ORP | Turbidity | Discharge | Degrees, Decimal Minutes WGS 84 | | Decimal Degrees WGS 84 | | State Plane, Zone 5, Feet NRD83 | | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | (C) | (mS/cm) | (mg/L) | | (mV) | (NTU) | (cfs) | | | X | Y | X | Y | |
| 21-May-04 | 16:20 | 9.17 | 0.085 | 7.33 | 5.43 | 19 | 0.5 | 2.0 gal/min | W155.°18.715' | N59.°51.933' | -155.311917 | 59.865550 | 1399304.06 | 2145139.92 | |
| 16-Sep-04 | 11:20 | 6.10 | 0.271 | 10.47 | 6.88 | 46 | 1.7 | 1 gal/min | | | | | | | |
| TOTAL | | | | | | | | | | | | | | | |

**Pebble Surface Water Field Data - 2004**
SEEP03 Station Summary

**Site:** **SEEP03**
**Teams:** April-04 Not sampled in April
May-04 Jeff Franklin, Sonja Carr
June-04 Not sampled in June
July-04 Not sampled in July
August-04 Not sampled in August
September-04 Dry

| Date | Time | Temp (C) | Specific Conductanc (mS/cm) | DO (mg/L) | pH | ORP (mV) | Turbidity (NTU) | Discharge (cfs) | Degrees, Decimal Minutes WGS 84 | | Decimal Degrees WGS 84 | | State Plane, Zone 5, Feet NRD83 | | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | X | Y | X | Y | |
| 22-May-04 | 11:15 | 14.38 | 0.115 | 6.54 | 5.83 | 26 | 0.2 | 1.5 gal/mim | W155. °18.472' | N59. °52.330' | -155.307867 | 59.872167 | 1400096.08 | 2147543.28 | |
| 22-May-04 | 11:50 | 14.44 | 0.122 | 6.82 | 5.76 | -84 | 3.4 | 1.5 gal/mim | W155. °18.472' | N59. °52.330' | -155.307867 | 59.872167 | 1400096.08 | 2147543.28 | Duplicate |
| 16-Sep-04 | -- | -- | -- | -- | -- | -- | -- | -- | | | | | | | Dry |
| TOTAL | | | | | | | | | | | | | | | |

**Pebble Surface Water Field Data - 2004**

SEEP04 Station Summary

**Site:** **SEEP04**

**Teams:**

| | | |
|---|---|---|
| April-04 | Not sampled in April |
| May-04 | Jeff Franklin, Sonja Carr |
| June-04 | Not sampled in June |
| July-04 | Not sampled in July |
| August-04 | Not sampled in August |
| September-04 | Jeff Franklin, Gary Marttila |

| Date | Time | Temp (C) | Specific Conductance (mS/cm) | DO (mg/L) | pH | ORP (mV) | Turbidity (NTU) | Discharge (cfs) | Degrees, Decimal Minutes WGS 84 | | Decimal Degrees WGS 84 | | State Plane, Zone 5, Feet NRD83 | | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | X | Y | X | Y | |
| 22-May-04 | 13:00 | 15.29 | 0.104 | 7.24 | 6.45 | -61 | 0.0 | 0.5 gal/min | W155. °19.718' | N59. °53.511' | -155.328633 | 59.891850 | 1396424.97 | 2154812.04 | |
| 16-Sep-04 | 13:15 | 5.20 | 0.087 | 11.15 | 5.94 | 37 | 2.0 | 0.5 gal/min | | | | | | | |
| **TOTAL** | | | | | | | | | | | | | | | |

**Pebble Surface Water Field Data - 2004**
SEEP05 Station Summary

**Site:** **SEEP05**
**Teams:** April-04 Not sampled in April
May-04 Jeff Franklin, Sonja Carr
June-04 Not sampled in June
July-04 Not sampled in July
August-04 Not sampled in August
September-04 Jeff Franklin, Gary Martilla

| Date | Time | Temp (C) | Specific Conductance (mS/cm) | DO (mg/L) | pH | ORP (mV) | Turbidity (NTU) | Discharge (cfs) | Degrees, Decimal Minutes WGS 84 | | Decimal Degrees WGS 84 | | State Plane, Zone 5, Feet NAD83 | | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | X | Y | X | Y | |
| 21-May-04 | 14:50 | 10.21 | 0.111 | 7.4 | 5.94 | -11 | 0.0 | 0.5 gal/min | W155.°15.700' | N59.°47.662' | -155.261667 | 59.794367 | 1408043.28 | 2118947.75 | |
| 16-Sep-04 | 14:40 | 8.51 | 0.170 | 10.6 | 6.4 | 53 | 0.1 | 0.5 cfs | | | | | | | |
| TOTAL | | | | | | | | | | | | | | | |

**Pebble Surface Water Field Data - 2004**
SEEP06 Station Summary

**Site:** **SEEP06**
**Teams:** April-04 Not sampled in April
May-04 Jeff Franklin, Sonja Carr
June-04 Not sampled in June
July-04 Not sampled in July
August-04 Not sampled in August
September-04 Dry

| Date | Time | Temp (C) | Specific Conductance (mS/cm) | DO (mg/L) | pH | ORP (mV) | Turbidity (NTU) | Discharge (cfs) | Degrees, Decimal Minutes WGS 84 | | Decimal Degrees WGS 84 | | State Plane, Zone 5, Feet NAD83 | | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | X | Y | X | Y | |
| 21-May-04 | 13:25 | 7.30 | 0.103 | 7.97 | 5.83 | -7 | 5.5 | 0.1 gal/min | W155. °14.257' | N59. °53.967' | -155.237617 | 59.899450 | 1413189.82 | 2157265.55 | |
| 16-Sep-04 | -- | -- | -- | -- | -- | -- | -- | -- | | | | | | | Dry |
| TOTAL | | | | | | | | | | | | | | | |

**Pebble Surface Water Field Data - 2004**
SEEP07 Station Summary

**Site:** **SEEP07**

**Teams:**

| | |
|---|---|
| April-04 | Not sampled in April |
| May-04 | Jeff Franklin, Sonja Carr |
| June-04 | Not sampled in June |
| July-04 | Not sampled in July |
| August-04 | Not sampled in August |
| September-04 | Jeff Franklin, Gary Marttila |

| Date | Time | Temp (C) | Specific Conductance (mS/cm) | DO (mg/L) | pH | ORP (mV) | Turbidity (NTU) | Discharge (cfs) | Degrees, Decimal Minutes WGS 84 | | Decimal Degrees WGS 84 | | State Plane, Zone 5, Feet NAD83 | | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | X | Y | X | Y | |
| 22-May-04 | 10:20 | 10.26 | 0.129 | 7.68 | 6.19 | 27 | 0.5 | 0.1 cfs | W155.°16.875' | N59.°47.723' | -155.281250 | 59.795383 | 1404443.96 | 2119388.20 | |
| 16-Sep-04 | 16:10 | 7.36 | 0.256 | 13.81 | 6.45 | 57 | 0.5 | 0.33 cfs | | | | | | | |
| TOTAL | | | | | | | | | | | | | | | |

**Pebble Surface Water Field Data - 2004**
SEEP08 Station Summary

**Site:** **SEEP08**

**Teams:**

| | | |
|---|---|---|
| April-04 | Not sampled in April |
| May-04 | Jeff Franklin, Sonja Carr |
| June-04 | Not sampled in June |
| July-04 | Not sampled in July |
| August-04 | Not sampled in August |
| September-04 | Jeff Franklin, Gary Marttila |

| Date | Time | Temp | Specific Conductanc | DO | pH | ORP | Turbidity | Discharge | Degrees, Decimal Minutes WGS 84 | | Decimal Degrees WGS 84 | | State Plane, Zone 5, Feet NAD83 | | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | (C) | (mS/cm) | (mg/L) | | (mV) | (NTU) | (cfs) | | | X | Y | X | Y | |
| 22-May-04 | 15:25 | 10.26 | 0.163 | 8.66 | 6.62 | -16 | 2.1 | 0.1 cfs | W155.°16.265' | N59.°55.074' | -155.271083 | 59.917900 | 1407175.38 | 2164124.28 | |
| 17-Sep-04 | 9:25 | 1.57 | 0.217 | 11.94 | 6.64 | -22 | 1.2 | 1.5 gal/min | | | | | | | |
| TOTAL | | | | | | | | | | | | | | | |

**Pebble Surface Water Field Data - 2004**
SEEP09 Station Summary

**Site:** **SEEP09**

**Teams:**

| | | |
|---|---|---|
| April-04 | Not sampled in April |
| May-04 | Jeff Franklin, Sonja Carr |
| June-04 | Not sampled in June |
| July-04 | Not sampled in July |
| August-04 | Not sampled in August |
| September-04 | Jeff Franklin, Gary Martilla |

| Date | Time | Temp | Specific Conductance | DO | pH | ORP | Turbidity | Discharge | Degrees, Decimal Minutes WGS 84 | | Decimal Degrees WGS 84 | | State Plane, Zone 5, Feet NAD83 | | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | (C) | (mS/cm) | (mg/L) | | (mV) | (NTU) | (cfs) | | | X | Y | X | Y | |
| 22-May-04 | 14:25 | 10.01 | 0.122 | 8.76 | 4.68 | -65 | 4.5 | 3.0 gal/min | W155. °29.899' | N59. °54.364' | -155.498317 | 59.906067 | 1365384.89 | 2160672.31 | |
| 17-Sep-04 | 11:15 | 3.57 | 0.107 | 10.88 | 6.32 | -17 | 1.7 | 3.0 gal/min | | | | | | | |
| 17-Sep-04 | 11:15 | 3.57 | 0.107 | 10.88 | 6.32 | -17 | 1.7 | 3.0 gal/min | | | | | | | |
| 17-Sep-04 | 12:15 | 4.22 | 0.081 | 9.94 | 5.74 | -26 | 1.4 | 3.0 gal/min | | | | | | | Duplicate |
| **TOTAL** | | | | | | | | | | | | | | | |

**Pebble Surface Water Field Data - 2004**
SEEP10 Station Summary

**Site:** **SEEP10**

**Teams:**

| | |
|---|---|
| April-04 | Not sampled in April |
| May-04 | Not sampled in May |
| June-04 | Not sampled in June |
| July-04 | Not sampled in July |
| August-04 | Not sampled in August |
| September-04 | Jeff Franklin, Gary Martilla |

| Date | Time | Temp (C) | Specific Conductance (mS/cm) | DO (mg/L) | pH | ORP (mV) | Turbidity (NTU) | Discharge (cfs) | Degrees, Decimal Minutes WGS 84 | | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 17-Sep-04 | 14:15 | 9.52 | 0.106 | 10.61 | 5.88 | -21 | 0.0 | No Flow | W155° 25.7360' | N 59° 48.91'N87' | South Fork Koktuli at confluence with SK119-UTM. Sampled from first pool of standing water |
| **TOTAL** | | | | | | | | | | | |

**Pebble Surface Water Field Data - 2004**

SEEP11 Station Summary

**Site:** **SEEP11**

**Teams:**

| | |
|---|---|
| April-04 | Not sampled in April |
| May-04 | Not sampled in May |
| June-04 | Not sampled in June |
| July-04 | Not sampled in July |
| August-04 | Not sampled in August |
| September-04 | Jeff Franklin, Gary Martilla |

| Date | Time | Temp (C) | Specific Conductance (mS/cm) | DO (mg/L) | pH | ORP (mV) | Turbidity (NTU) | Discharge (cfs) | Degrees, Decimal Minutes WGS 84 | | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 17-Sep-04 | 16:00 | 4.83 | 0.234 | 10.98 | 7.02 | 7 | 1.7 | 0.25-0.50 gal/min | W 155° 17.39' | N 59° 54.45' | On tributary 146 of the Upper Talarkik where the tributary turns North |
| **TOTAL** | | | | | | | | | | | |

# APPENDIX 6-D
# 2004 Analytical Data Summary
# for Surface-water Samples, Mine Area

**Figure 6D-1**

**Median concentration values from main stem locations on the North Fork Koktuli (NK).**

Location summary data from NK100A, NK100B, NK100C, and NK100D.

| Month | Parameters | | | | | | | | Validation Flags | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | ALK mg/L | COND µmohs/cm | HARD mg/L | $NO_3+NO_2$ mg/L | SO4 mg/L | F mg/L | CL mg/L | TDS mg/L | F | $NO_3+NO_2$ | TDS |
| April | 12.0 | 34.5 | 11.0 | 0.06 | 1.24 | 0.04 | 0.72 | 30.7 | | J,J-,R | |
| May | 17.5 | 36.0 | 14.0 | 0.05 | 1.60 | 0.04 | 0.65 | 60.0 | BQ,J | R,J- | |
| June | 23.5 | 51.5 | 18.0 | 0.05 | 2.29 | 0.04 | 0.64 | 43.2 | J | R | |
| July | 25.5 | 60.0 | 20.7 | 0.31 | 2.75 | 0.04 | 0.63 | 42.6 | J | | |
| August | 27.0 | 65.0 | 20.7 | 0.16 | 2.70 | 0.04 | 0.68 | 45.7 | J | | |
| September | 29.8 | 65.0 | 21.5 | 0.16 | 2.74 | 0.05 | 0.71 | 55.0 | J | J | |
| October | 20.0 | 48.0 | 15.3 | 0.40 | 2.58 | 0.03 | 0.92 | 31.3 | J | J | BQ |

Alk = alkalinity; Cond=specific conductance;Hard=hardness; $NO_3+NO_2$=nitrate + nitrite;
SO4=sulfate; F=fluoride; Cl=chloride; TDS=total dissolved solids.
Non-detects were reported as 1/2 the MRL: NO3+NO2=0.031mg/L in April-June; 0.62 mg/L in July, 0.31 mg/L in August.
NOTE: Some results have validation flags associated with their values, see Appendix 6E for more information.
Validation Flag Definitions: BQ1 or BQ - The result is associated with blank contamination at a level less than or equal to five times the concentration in the blank for contaminants below the MRL (10 times for contaminants above the MRL). Result should be considered not detected at the concentration of the MRL for those results reported below the MRL or as biased high for those reported above the MRL.
J- The result is an estimated quantity. R-The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the sample.

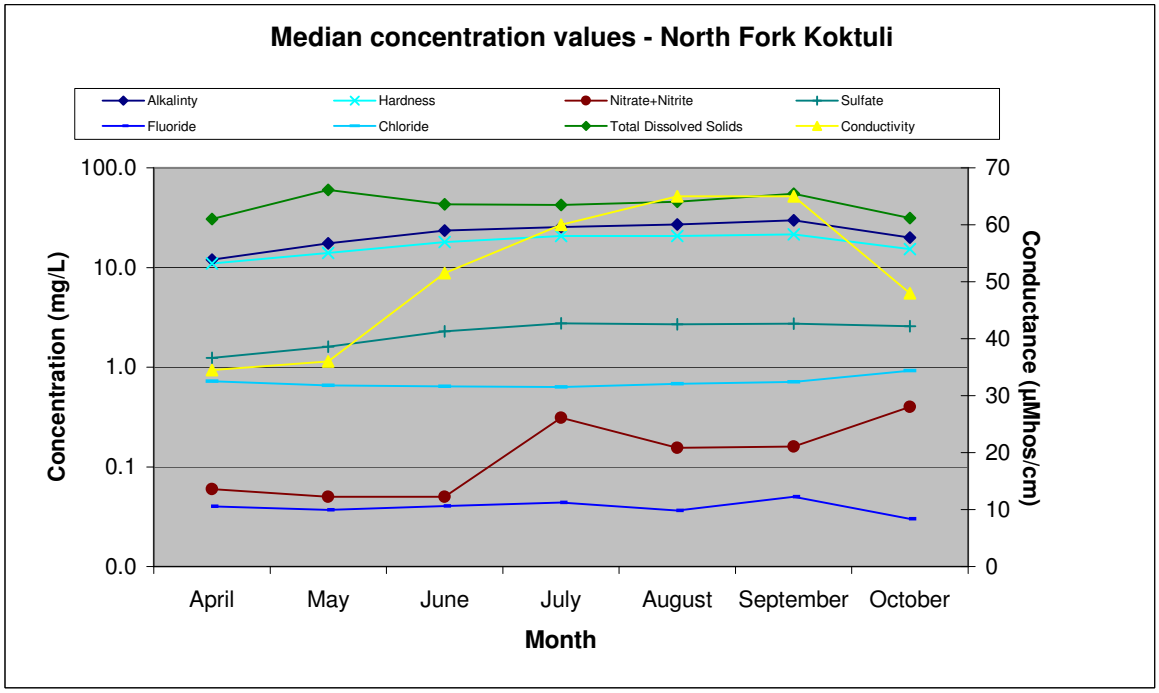


**Figure 6D-2**

**Median concentration values from main stem locations on the South Fork Koktuli (SK).**

Location summary data from SK100A, SK100B, SK100C, SK100D, SK100E, SK100F, and SK100G.

| Month | Parameters | | | | | | | | Validation Flags | |
|---|---|---|---|---|---|---|---|---|---|---|
| | ALK mg/L | COND µmohs/cm | HARD mg/L | $NO_3+NO_2$ mg/L | SO4 mg/L | F mg/L | CL mg/L | TDS mg/L | F | $NO_3+NO_2$ |
| April | 10.8 | 39.0 | 14.0 | 0.12 | 4.90 | 0.05 | 0.93 | 44.4 | J | J-,R |
| May | 7.5 | 32.0 | 10.3 | 0.11 | 3.66 | 0.04 | 0.64 | 31.3 | J | J |
| June | 15.8 | 47.5 | 15.5 | 0.05 | 6.26 | 0.06 | 0.72 | 45.0 | J | J-,R |
| July | 22.5 | 57.5 | 20.0 | 0.31 | 5.76 | 0.05 | 0.64 | 40.7 | J | |
| August | 25.0 | 70.0 | 22.5 | 0.16 | 5.28 | 0.08 | 0.68 | 40.0 | J | |
| September | 26.0 | 70.0 | 22.7 | 0.16 | 6.86 | 0.05 | 0.79 | 48.8 | J,BQ | J |
| October | 13.8 | 47.0 | 15.3 | 0.16 | 6.87 | 0.05 | 1.13 | 36.9 | | J |

Alk = alkalinity; Cond=specific conductance;Hard=hardness; $NO_3+NO_2$=nitrate + nitrite;
SO4=sulfate; F=fluoride; Cl=chloride; TDS=total dissolved solids
Non-detects were reported as 1/2 the MRL: NO3+NO2=0.031mg/L in April-June; 0.62 mg/L in July, 0.31 mg/L in August.
NOTE: Some results have validation flags associated with their values, see Appendix 6E for more information.
Validation Flag Definitions: BQ1 or BQ - The result is associated with blank contamination at a level less than or equal to five times the concentration in the blank for contaminants below the MRL (10 times for contaminants above the MRL). Result should be considered not detected at the concentration of the MRL for those results reported below the MRL or as biased high for those reported above the MRL.
J- The result is an estimated quantity. R-The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the sample.

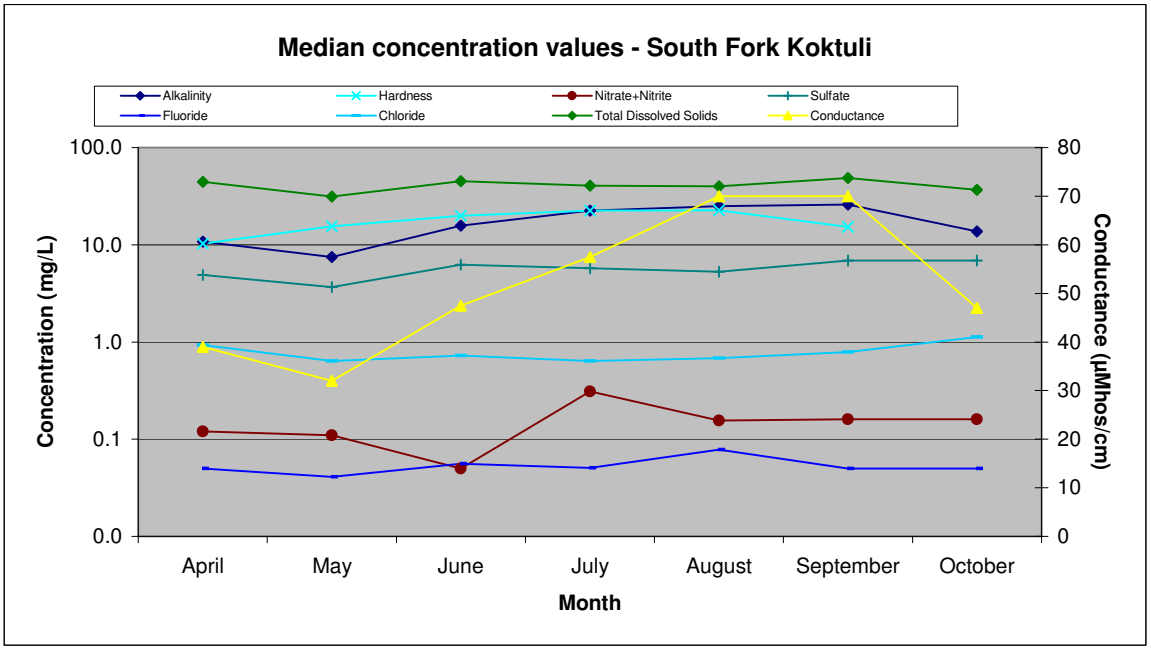


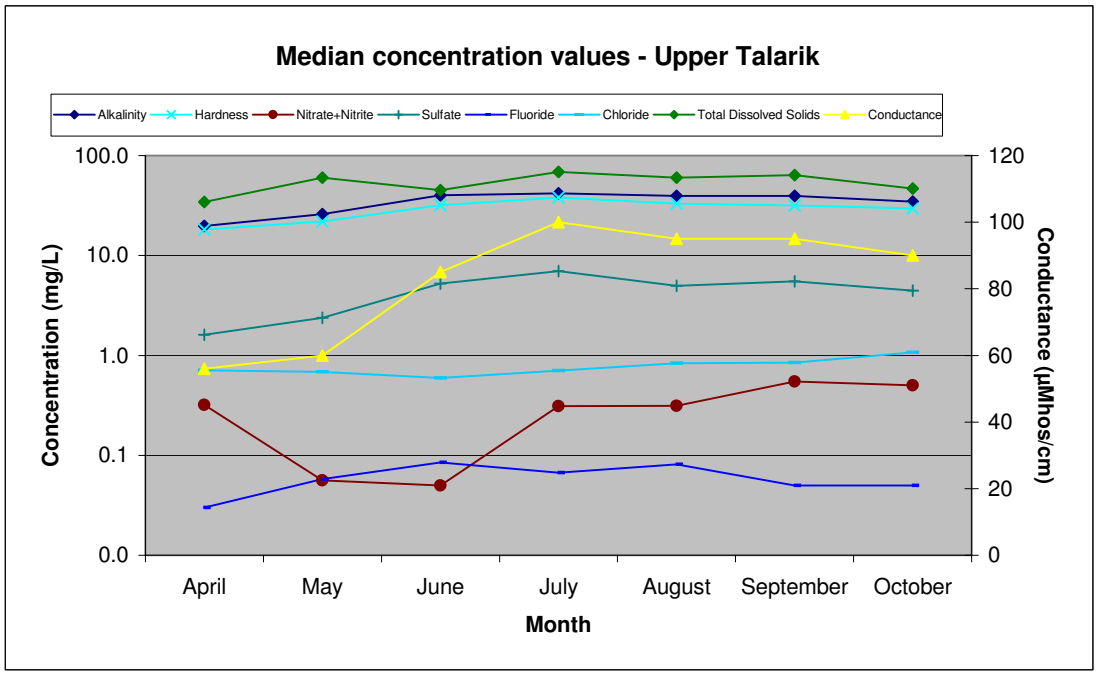
**Figure 6D-3**

**Median concentration values from main stem locations on the Upper Talarik (UT).**

Summary location data from UT100A, UT100B, UT100C, UT100D, and UT100E

| Month | Parameters | | | | | | | | Validation Flags | |
|---|---|---|---|---|---|---|---|---|---|---|
| | ALK mg/L | COND µmohs/cm | HARD mg/L | $NO_3$+$NO_2$ mg/L | SO4 mg/L | F mg/L | CL mg/L | TDS mg/L | F | Cl |
| April | 19.8 | 56.0 | 18.2 | 0.32 | 1.61 | 0.03 | 0.71 | 34.4 | BQ,J | |
| May | 26.0 | 60.0 | 21.9 | 0.06 | 2.37 | 0.06 | 0.68 | 60.0 | BQ,J | |
| June | 40.0 | 85.0 | 31.9 | 0.05 | 5.24 | 0.09 | 0.59 | 45.0 | J | |
| July | 42.0 | 100.0 | 38.0 | 0.31 | 7.00 | 0.07 | 0.71 | 68.8 | BQ,J | |
| August | 39.5 | 95.0 | 33.1 | 0.31 | 4.98 | 0.08 | 0.84 | 60.1 | J | |
| September | 39.4 | 95.0 | 31.8 | 0.55 | 5.50 | 0.05 | 0.85 | 63.8 | J | J- |
| October | 34.5 | 90.0 | 29.7 | 0.50 | 4.45 | 0.05 | 1.07 | 46.9 | | |

Alk = alkalinity; Cond=specific conductance;Hard=hardness; $NO_3$+$NO_2$=nitrate + nitrite;
SO4=sulfate; F=fluoride; Cl=chloride; TDS=total dissolved solids.
NOTE: Some results have validation flags associated with their values, see Appendix 6E for more information.
Validation Flag Definitions: BQ1 or BQ - The result is associated with blank contamination at a level less than or equal to five times the concentration in the blank for contaminants below the MRL (10 times for contaminants above the MRL). Result should be considered not detected at the concentration of the MRL for those results reported below the MRL or as biased high for those reported above the MRL.
J- The result is an estimated quantity. R-The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the sample.



## Figure 6D-4

## Concentration values for Kaskanak Creek (KC100A)

| Month | Parameters | | | | | | | | Validation Flags | |
|---|---|---|---|---|---|---|---|---|---|---|
| | ALK mg/L | COND µmohs/cm | HARD mg/L | $NO_3$+$NO_2$ mg/L | SO4 mg/L | F mg/L | CL mg/L | TDS mg/L | $NO_3$+$NO_2$ | F |
| May | 17.0 | 42.0 | 13.7 | 0.03 | 1.50 | 0.06 | 0.95 | 43.8 | R | BQ,J |
| June | 25.0 | 60.0 | 18.1 | 0.03 | 1.85 | 0.07 | 1.11 | 32.5 | R | J |
| July | 29.0 | 60.0 | 21.5 | 1.14 | 1.77 | 0.07 | 1.11 | 51.3 | | J |
| August | 28.5 | 70.0 | 22.0 | 0.31 | 1.70 | 0.11 | 1.13 | 43.8 | J | |
| September | 27.8 | 60.0 | 21.6 | 0.16 | 1.95 | 0.08 | 1.20 | 52.5 | | J |
| October | 23.0 | 55.0 | 16.2 | 0.56 | 1.70 | 0.02 | 1.35 | 41.3 | J | |

Alk = alkalinity; Cond=specific conductance;Hard=hardness; $NO_3$+$NO_2$=nitrate + nitrite;
SO4=sulfate; F=fluoride; Cl=chloride; TDS=total dissolved solids.
NOTE: Some results have validation flags associated with their values, see Appendix 6E for more information.
Validation Flag Definitions: BQ1 or BQ - The result is associated with blank contamination at a level less than or equal to five times the concentration in the blank for contaminants below the MRL (10 times for contaminants above the MRL). Result should be considered not detected at the concentration of the MRL for those results reported below the MRL or as biased high for those reported above the MRL.
J- The result is an estimated quantity. R-The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the sample.

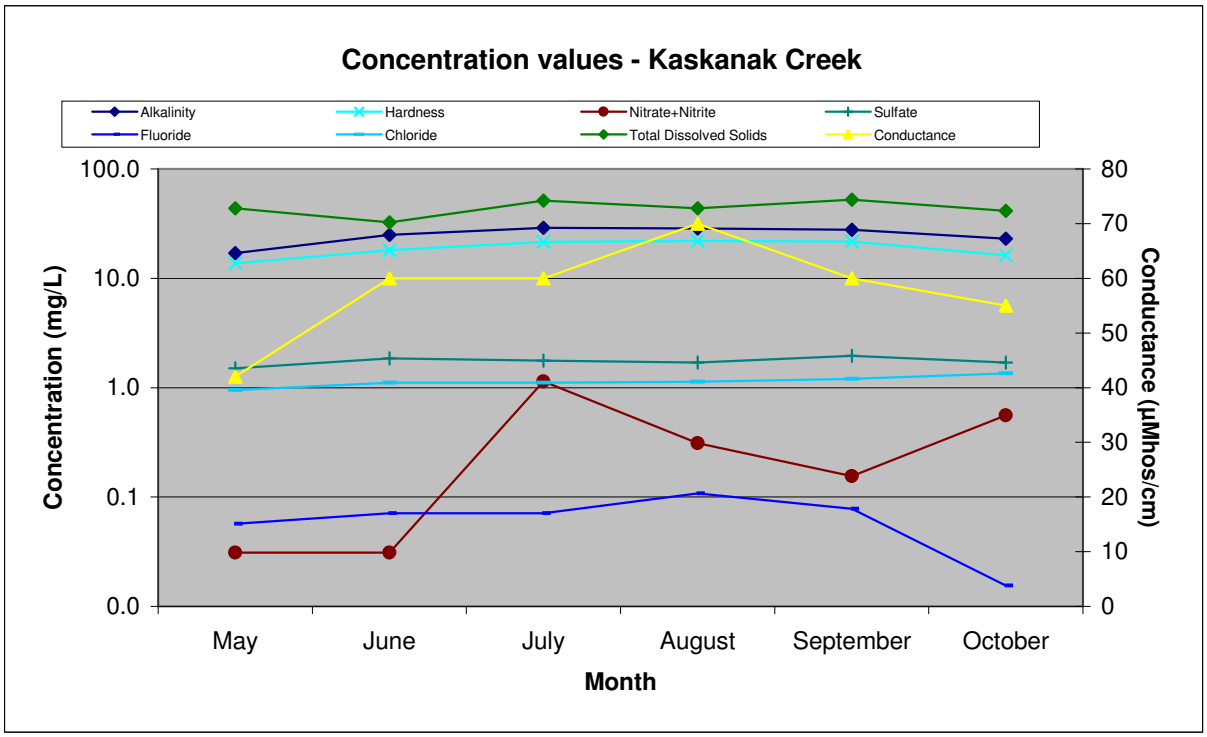


**Figure 6D-5**

**Concentration values for the main stem of the Koktuli River (KR100A).**

| Month | Parameters | | | | | | | | Validation Flags | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | ALK mg/L | COND µmohs/cm | HARD mg/L | $NO_3+NO_2$ mg/L | SO4 mg/L | F mg/L | CL mg/L | TDS mg/L | F | $NO_3+NO_2$ | TDS |
| April | 13.5 | 38.0 | 13.0 | 0.08 | 2.22 | 0.03 | 0.94 | 38.8 | | | |
| May | 11.5 | 31.0 | 10.1 | 0.04 | 2.09 | 0.04 | 0.70 | 32.5 | J | J | |
| June | 18.0 | 50.0 | 14.3 | 0.03 | 3.11 | 0.04 | 0.80 | 50.0 | J | R | |
| July | 20.0 | 50.0 | 15.9 | 0.62 | 3.06 | 0.09 | 0.83 | 41.3 | J | | |
| August | 21.0 | 50.0 | 16.5 | 0.54 | 2.77 | 0.03 | 0.92 | 45.0 | J | J | |
| September | 20.3 | 45.0 | 16.5 | 0.16 | 2.93 | 0.12 | 0.95 | 45.0 | | | |
| October | 15.0 | 44.0 | 13.7 | 0.84 | 3.36 | 0.02 | 1.06 | 13.8 | | J | BQ |

Alk = alkalinity; Cond=specific conductance;Hard=hardness; $NO_3+NO_2$=nitrate + nitrite;
SO4=sulfate; F=fluoride; Cl=chloride; TDS=total dissolved solids.

NOTE: Some results have validation flags associated with their values, see Appendix 6E for more information.

Validation Flag Definitions: BQ1 or BQ - The result is associated with blank contamination at a level less than or equal to five times the concentration in the blank for contaminants below the MRL (10 times for contaminants above the MRL). Result should be considered not detected at the concentration of the MRL for those results reported below the MRL or as biased high for those reported above the MRL.

J- The result is an estimated quantity. R-The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the sample.

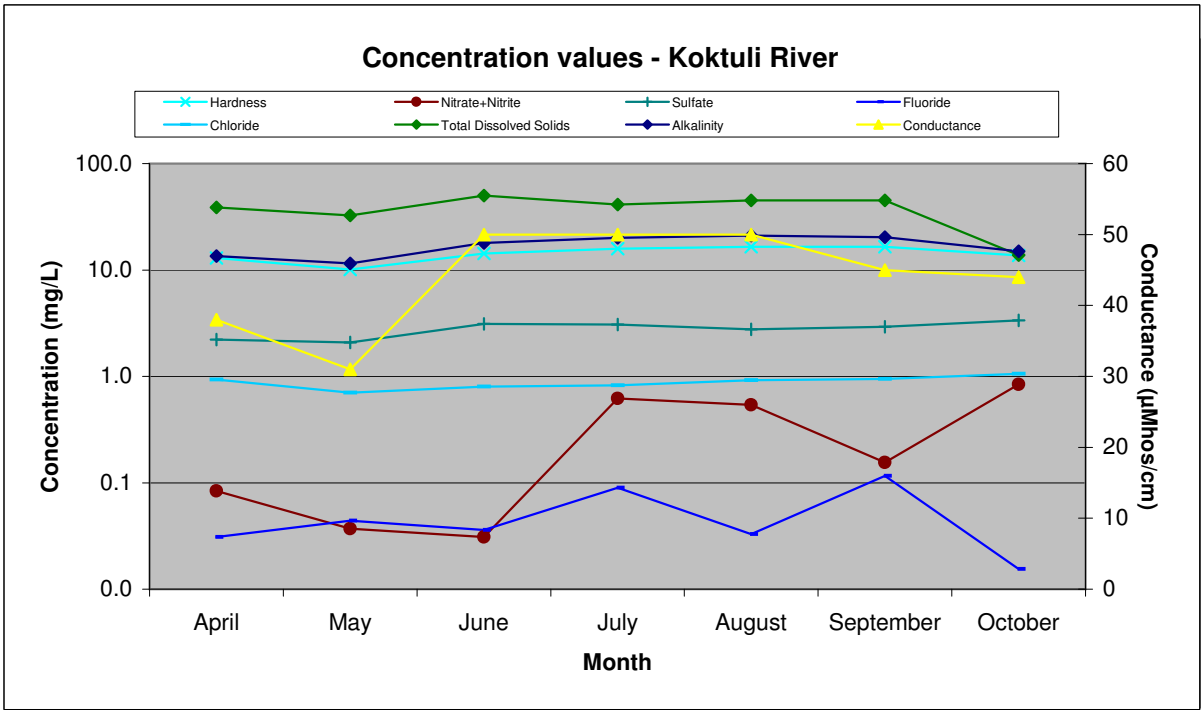


**Figure 6D-6**

**Median concentration values for total major ions in main stem locations in the North Fork Koktuli (NK).**

Location summary data from NK100A, NK100C, and NK100D.

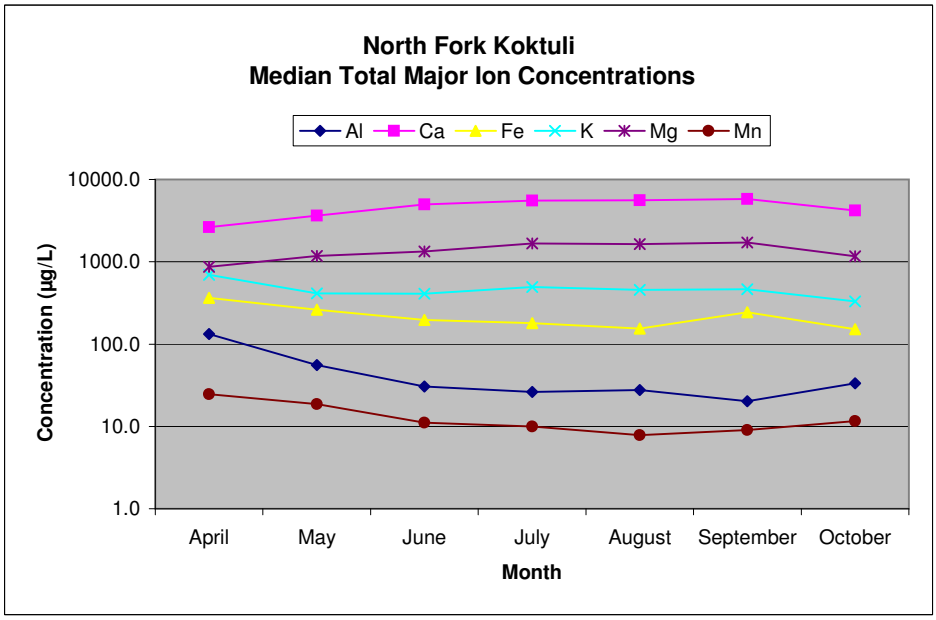
| Month | Parameters | | | | | | Validation Flags | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Al (µg/L) | Ca (µg/L) | Fe (µg/L) | K (µg/L) | Mg (µg/L) | Mn (µg/L) | Al | Ca | Fe | K | Mg | Mn |
| April | 132.0 | 2640 | 363 | 695 | 866 | 24.6 | | J | | J | J | |
| May | 55.4 | 3650 | 261 | 414 | 1180 | 18.6 | BQ | | | | | |
| June | 30.5 | 4980 | 196 | 408 | 1340 | 11.1 | BQ1, J | | | | | BQ1,J |
| July | 26.3 | 5520 | 180 | 493 | 1670 | 10.0 | BQ,BQ1,J | | BQ1 | | | J |
| August | 27.8 | 5570 | 154 | 456 | 1645 | 7.8 | BQ,BQ1,J | | BQ1 | | | BQ1 |
| September | 20.2 | 5790 | 244 | 463 | 1720 | 9.0 | BQ,BQ1,J | | | | | |
| October | 33.5 | 4180 | 151 | 329 | 1170 | 11.6 | BQ,BQ1 | | | J | | |

Al=aluminum; Ca=calcium; Fe=iron; K=potassium; Mg=magnesium; Mn=manganese

NOTE: Some results have validation flags associated with their values, see Appendix 6E for more information.

Validation Flag Definitions: BQ1 or BQ - The result is associated with blank contamination at a level less than or equal to five times the concentration in the blank for contaminants below the MRL (10 times for contaminants above the MRL). Result should be considered not detected at the concentration of the MRL for those results reported below the MRL or as biased high for those reported above the MRL.

J - The result is an estimated quantity.



## Figure 6D-7

## Median concentration values for total major ions in main stem locations in the South Fork Koktuli (SK).

Location summary data from SK100A, SK100B, SK100C, SK100D, SK100F, and SK100G.

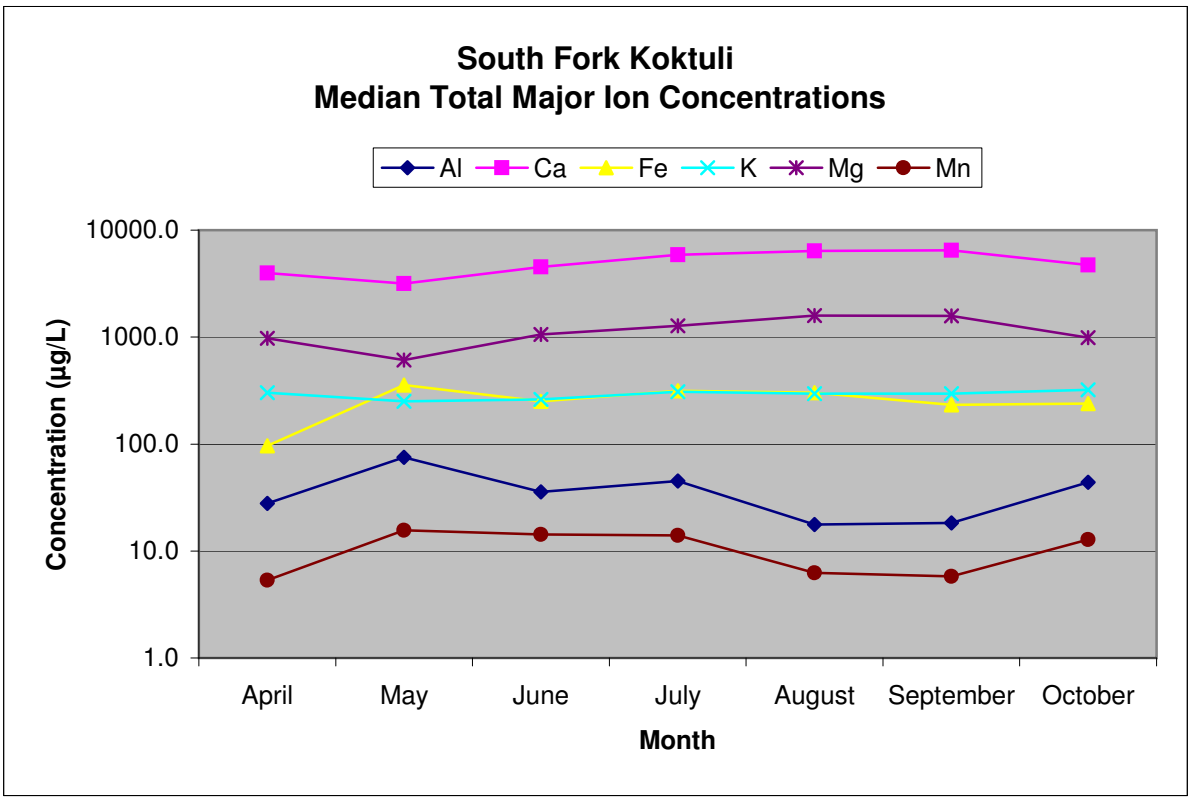
| Month | Parameters | | | | | | Validation Flags | | |
|---|---|---|---|---|---|---|---|---|---|
| | Al (µg/L) | Ca (µg/L) | Fe (µg/L) | K (µg/L) | Mg (µg/L) | Mn (µg/L) | Al | Fe | Mn |
| April | 27.8 | 3970 | 97 | 302 | 976 | 5.3 | | | |
| May | 75.1 | 3160 | 356 | 251 | 611 | 15.6 | J | J | J |
| June | 35.7 | 4525 | 251 | 262 | 1060 | 14.3 | BQ1, J | | BQ1,J |
| July | 45.3 | 5875 | 315 | 308 | 1275 | 14.0 | BQ,BQ1,J | BQ1 | BQ1 |
| August | 17.7 | 6390 | 302 | 295 | 1590 | 6.2 | BQ,BQ1,J | BQ1 | |
| September | 18.3 | 6460 | 232 | 295 | 1580 | 5.8 | BQ,BQ1,J | | |
| October | 43.8 | 4730 | 239 | 321 | 990 | 12.8 | BQ1 | | |

Al=aluminum; Ca=calcium; Fe=iron; K=potassium; Mg=magnesium; Mn=manganese

NOTE: Some results have validation flags associated with their values, see Appendix 6E for more information.

Validation Flag Definitions: BQ1 or BQ - The result is associated with blank contamination at a level less than or equal to five times the concentration in the blank for contaminants below the MRL (10 times for contaminants above the MRL). Result should be considered not detected at the concentration of the MRL for those results reported below the MRL or as biased high for those reported above the MRL.

J - The result is an estimated quantity.



## Figure 6D-8

## Median concentration values for total major ions in main stem locations in the Upper Talarik (UT).

Location summary data from UT100A, UT100B, UT100C, UT100D, and UT100E

| Month | Parameters | | | | | | Validation Flags | | |
|---|---|---|---|---|---|---|---|---|---|
| | Al (µg/L) | Ca (µg/L) | Fe (µg/L) | K (µg/L) | Mg (µg/L) | Mn (µg/L) | Al | Ca | Mn |
| April | 245.0 | 5350 | 627 | 436 | 1360 | 30.6 | BQ1,J | | |
| May | 55.4 | 6700 | 186 | 338 | 1330 | 9.3 | BQ,J | | |
| June | 49.1 | 8470 | 173 | 383 | 2600 | 16.1 | BQ,BQ1,J | | BQ1 |
| July | 36.8 | 9950 | 127 | 515 | 3190 | 23.6 | BQ1,J | | |
| August | 18.0 | 9540 | 101 | 480 | 2230 | 18.7 | BQ,BQ1,J | | BQ1 |
| September | 19.4 | 9260 | 117 | 464 | 2310 | 23.3 | BQ1,J | J | BQ1,J |
| October | 34.3 | 8300 | 129 | 373 | 2200 | 10.7 | BQ,BQ1,J | | |

Al=aluminum; Ca=calcium; Fe=iron; K=potassium; Mg=magnesium; Mn=manganese

NOTE: Some results have validation flags associated with their values, see Appendix 6E for more information.

Validation Flag Definitions: BQ1 or BQ - The result is associated with blank contamination at a level less than or equal to five times the concentration in the blank for contaminants below the MRL (10 times for contaminants above the MRL). Result should be considered not detected at the concentration of the MRL for those results reported below the MRL or as biased high for those reported above the MRL.

J - The result is an estimated quantity.

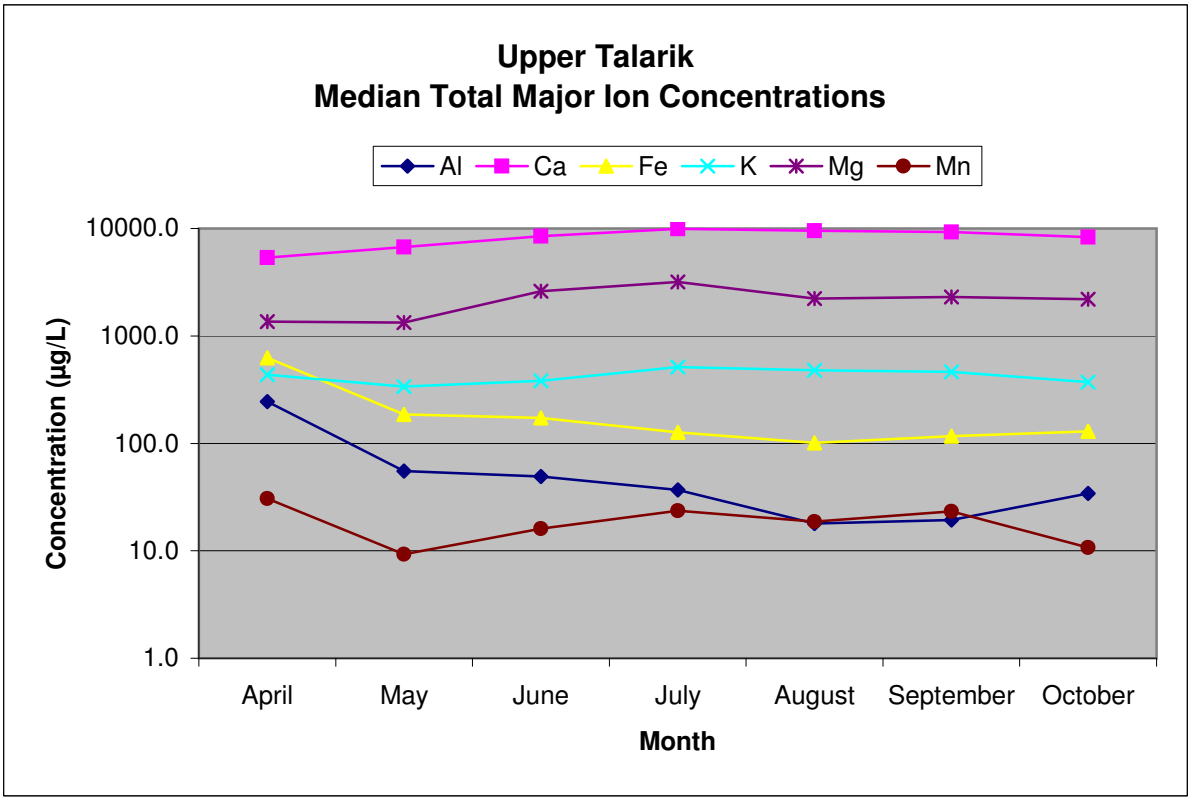


**Figure 6D-9**

**Concentration values for total major ions on Kaskanak Creek (KC100A).**

| Month | Parameters | | | | | | Validation Flags | |
|---|---|---|---|---|---|---|---|---|
| | Al (µg/L) | Ca (µg/L) | Fe (µg/L) | K (µg/L) | Mg (µg/L) | Mn (µg/L) | Al | Mn |
| May | 76.2 | 3800 | 515 | 386 | 1010 | 13.1 | | |
| June | 33.5 | 5170 | 432 | 376 | 1250 | 13.6 | BQ1,BQ | BQ1,J |
| July | 38.1 | 6140 | 614 | 478 | 1500 | 16.9 | BQ1,BQ | |
| August | 23.0 | 6290 | 476 | 510 | 1540 | 9.5 | BQ1,BQ,J | BQ1 |
| September | 26.8 | 6110 | 390 | 479 | 1540 | 8.7 | BQ1 | |
| October | 38.1 | 4530 | 461 | 336 | 1190 | 14.2 | BQ1,BQ | |

Al=aluminum; Ca=calcium; Fe=iron; K=potassium; Mg=magnesium; Mn=manganese

*April Al and Fe are averages of Primary and Duplicate Samples

NOTE: Some results have validation flags associated with their values, see Appendix 6E for more information.

Validation Flag Definitions: BQ1 or BQ - The result is associated with blank contamination at a level less than or equal to five times the concentration in the blank for contaminants below the MRL (10 times for contaminants above the MRL). Result should be considered not detected at the concentration of the MRL for those results reported below the MRL or as biased high for those reported above the MRL.

J - The result is an estimated quantity.

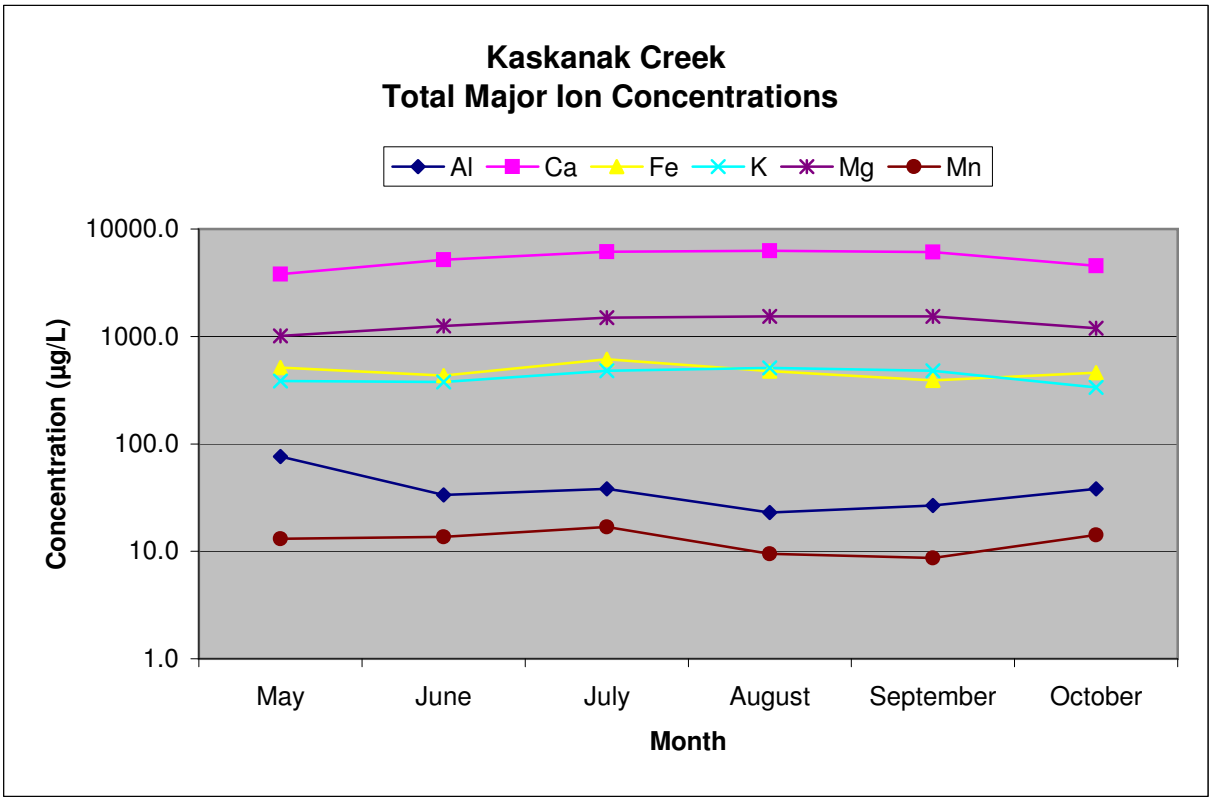


**Figure 6D-10**

**Concentration values for total major ions on the main stem of the Koktuli River (KR100A).**

| Month | Parameters | | | | | | Validation Flags | | |
|---|---|---|---|---|---|---|---|---|---|
| | Al (µg/L) | Ca (µg/L) | Fe (µg/L) | K (µg/L) | Mg (µg/L) | Mn (µg/L) | Al | Fe | Mn |
| April | 230 | 3680 | 456 | 376 | 932 | 30.5 | | | |
| May | 96.5 | 2910 | 176 | 253 | 678 | 7.8 | | | |
| June | 22.2 | 4270 | 60.7 | 314 | 888 | 4.2 | BQ1,J | | BQ1,J |
| July | 16.6 | 4710 | 47.1 | 399 | 1010 | 5.7 | BQ1,BQ,J | BQ1 | |
| August | 17.3 | 4650 | 42.6 | 386 | 1180 | 5.6 | BQ1,BQ,J | | BQ1 |
| September | 21.0 | 4730 | 36.8 | 364 | 1140 | 5.1 | BQ1,J | | |
| October | 32.5 | 3920 | 84.1 | 276 | 950 | 5.7 | BQ1 | | |

Al=aluminum; Ca=calcium; Fe=iron; K=potassium; Mg=magnesium; Mn=manganese

NOTE: Some results have validation flags associated with their values, see Appendix 6E for more information.

Validation Flag Definitions: BQ1 or BQ - The result is associated with blank contamination at a level less than or equal to five times the concentration in the blank for contaminants below the MRL (10 times for contaminants above the MRL). Result should be considered not detected at the concentration of the MRL for those results reported below the MRL or as biased high for those reported above the MRL.

J - The result is an estimated quantity.

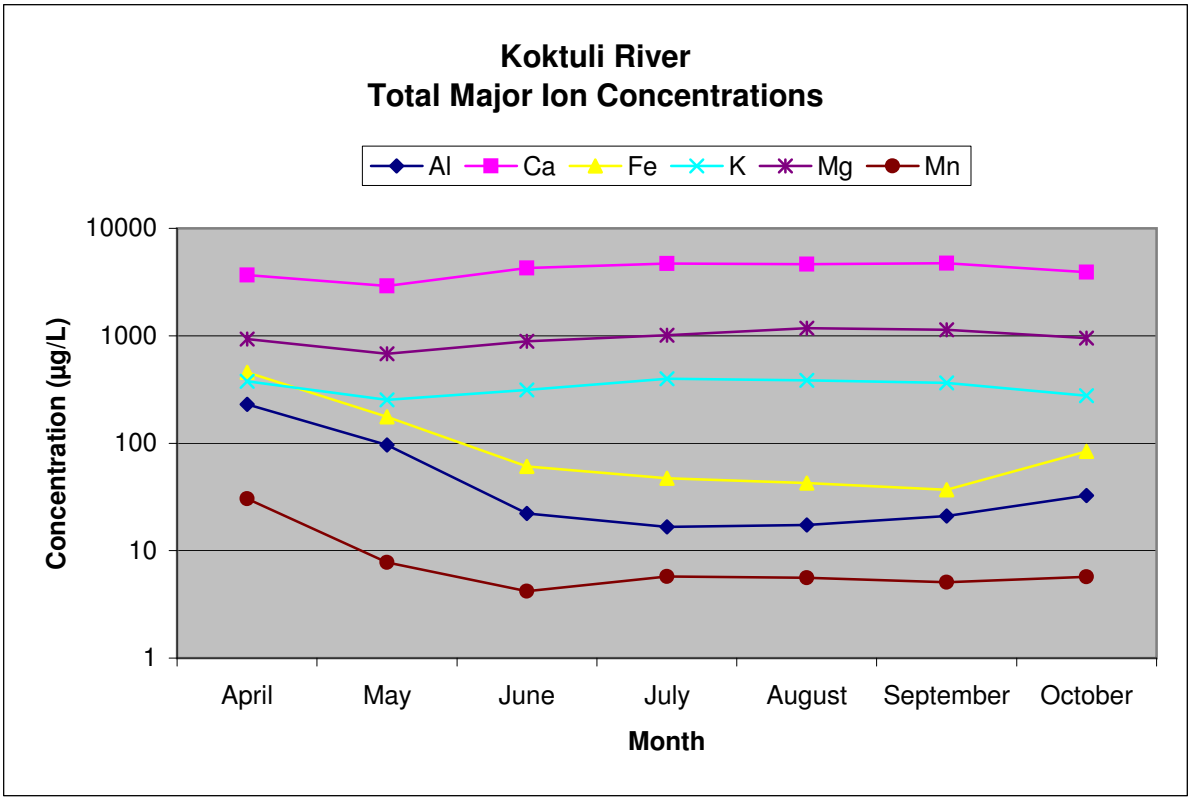


**Figure 6D-11**

**Median concentration values for dissolved major ions in main stem locations on the North Fork Koktuli (NK).**

Location summary data from NK100A, NK100C, and NK100D.

| Month | Parameters | | | | | | Validation Flags | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Al (µg/L) | Ca (µg/L) | Fe (µg/L) | K (µg/L) | Mg (µg/L) | Mn (µg/L) | Al | Fe | K | Mg | Mn |
| April | 32.6 | 2510 | 117 | 674 | 870 | 17.1 | BQ1,J | | J | J | |
| May | 19.6 | 3590 | 157 | 399 | 1150 | 17.4 | BQ,J | | | | |
| June | 10.9 | 4740 | 105 | 391 | 1290 | 11.9 | BQ1, J | | | | BQ1,J |
| July | 14.8 | 5780 | 110 | 501 | 1640 | 7.5 | BQ1, J | BQ1,J | | | |
| August | 8.9 | 5480 | 98 | 458 | 1630 | 7.1 | BQ, BQ1, J | BQ1,J | | | BQ1 |
| September | 12.9 | 5570 | 182 | 415 | 1740 | 7.7 | BQ,BQ1, J | | | | BQ1 |
| October | 16.6 | 4130 | 101 | 335 | 1170 | 12.0 | BQ,BQ1, J | | J | | J |

Al=aluminum; Ca=calcium; Fe=iron; K=potassium; Mg=magnesium; Mn=manganese
NOTE: Some results have validation flags associated with their values, see Appendix 6E for more information.
Validation Flag Definitions: BQ1 or BQ - The result is associated with blank contamination at a level less than or equal to five times the concentration in the blank for contaminants below the MRL (10 times for contaminants above the MRL). Result should be considered not detected at the concentration of the MRL for those results reported below the MRL or as biased high for those reported above the MRL.
J - The result is an estimated quantity.

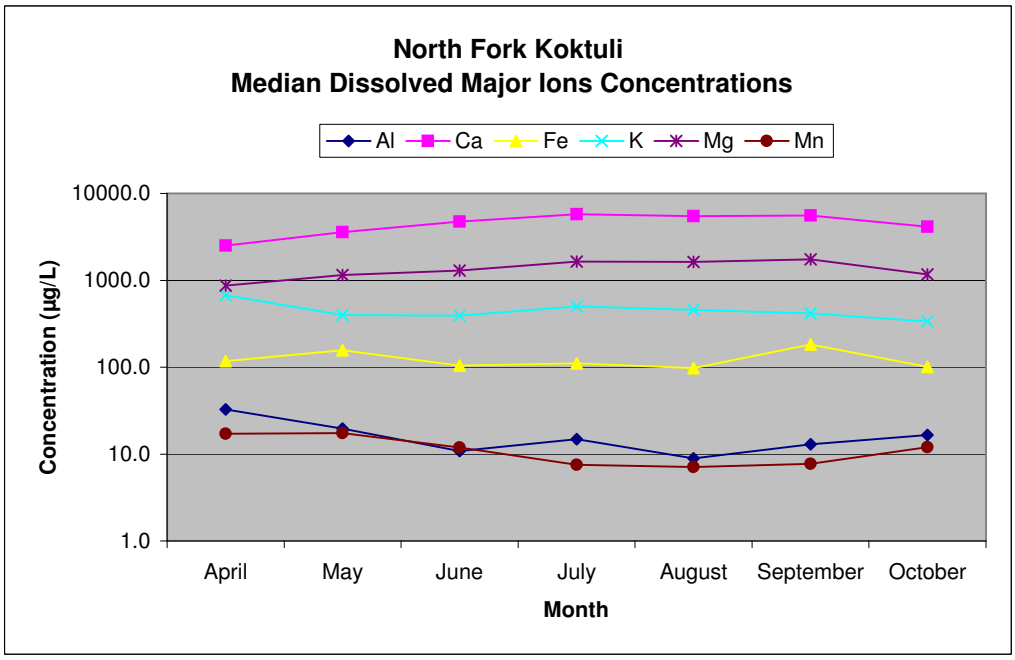


**Figure 6D-12**

## Median concentration values for dissolved major ions in main stem locations on the South Fork Koktuli (SK).

Location summary data from SK100Am, SK100B, SK100C, SK100D, SK100F, and SK100G.

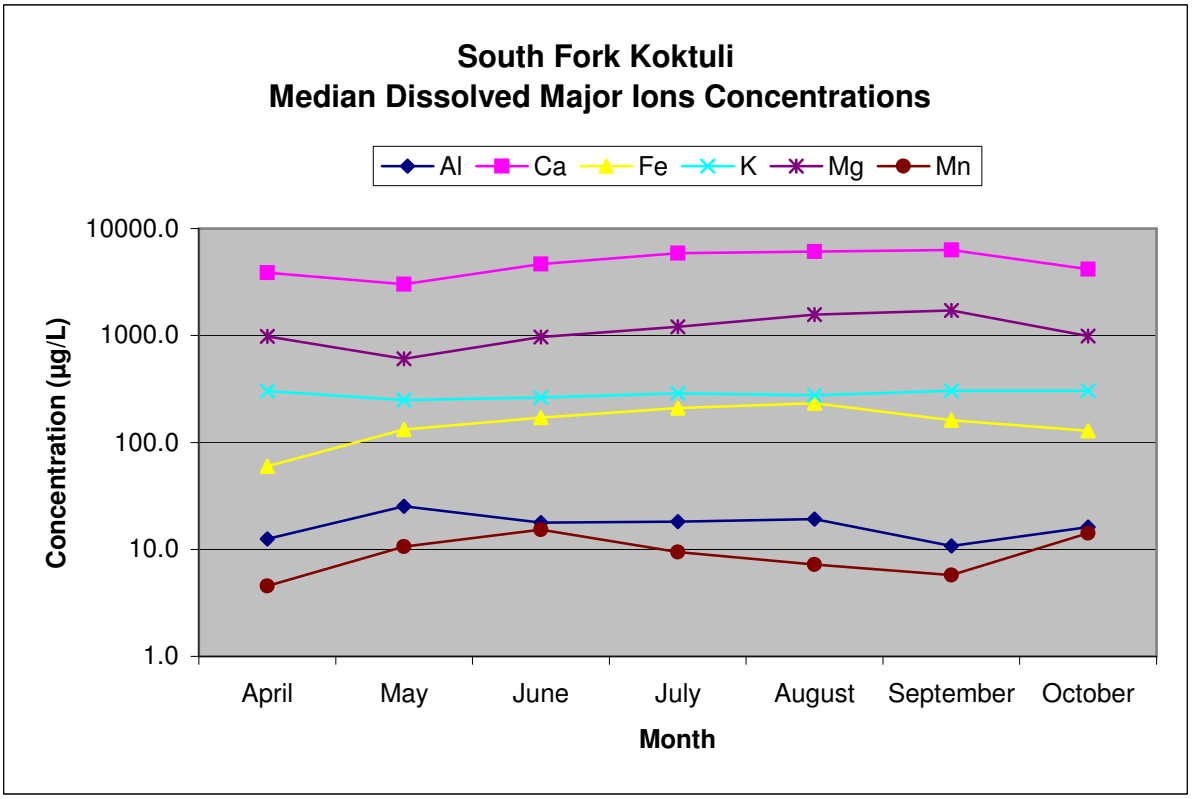
| Month | Parameters | | | | | | Validation Flags | | |
|---|---|---|---|---|---|---|---|---|---|
| | Al (µg/L) | Ca (µg/L) | Fe (µg/L) | K (µg/L) | Mg (µg/L) | Mn (µg/L) | Al | Fe | Mn |
| April | 12.5 | 3860 | 60 | 303 | 984 | 4.6 | BQ1,J | | |
| May | 25.3 | 3020 | 132 | 249 | 605 | 10.6 | BQ,J | J | J |
| June | 17.9 | 4660 | 171 | 264 | 969 | 15.3 | BQ, BQ1, J | | BQ1,J |
| July | 18.2 | 5900 | 210 | 287 | 1210 | 9.5 | BQ,BQ1, J | BQ1,J | BQ1,J |
| August | 19.2 | 6080 | 232 | 277 | 1570 | 7.2 | BQ, BQ1, J | BQ1,J | |
| September | 10.8 | 6290 | 161 | 304 | 1710 | 5.8 | BQ,BQ1, J | J | |
| October | 16.2 | 4180 | 129 | 304 | 987 | 14.2 | BQ,BQ1, J | | |

Al=aluminum; Ca=calcium; Fe=iron; K=potassium; Mg=magnesium; Mn=manganese

NOTE: Some results have validation flags associated with their values, see Appendix 6E for more information.

Validation Flag Definitions: BQ1 or BQ - The result is associated with blank contamination at a level less than or equal to five times the concentration in the blank for contaminants below the MRL (10 times for contaminants above the MRL). Result should be considered not detected at the concentration of the MRL for those results reported below the MRL or as biased high for those reported above the MRL.

J- The result is an estimated quantity.



## Figure 6D-13

## Median concentration values for dissolved major ions in main stem locations on the Upper Talarik (UT).

Location summary data from UT100A, UT100B, UT100C, UT100D, and UT100E.

| Month | Parameters | | | | | | Validation Flags | | |
|---|---|---|---|---|---|---|---|---|---|
| | Al (µg/L) | Ca (µg/L) | Fe (µg/L) | K (µg/L) | Mg (µg/L) | Mn (µg/L) | Al | Fe | Mn |
| April | 28.9 | 5230 | 237.0 | 409 | 1300 | 10.7 | BQ1,J | | |
| May | 19.5 | 6490 | 69.8 | 382 | 1380 | 7.0 | BQ,J | | |
| June | 12.9 | 8520 | 85.7 | 354 | 2530 | 16.2 | BQ, BQ1, J | | BQ1,J |
| July | 12.5 | 9150 | 51.9 | 458 | 3050 | 19.3 | BQ1, J | BQ1 | |
| August | 17.8 | 9710 | 43.2 | 494 | 2360 | 18.4 | BQ, BQ1, J | BQ1 | BQ1,J |
| September | 12.8 | 9990 | 28.7 | 478 | 2530 | 19.2 | BQ1, J | J | J |
| October | 17.4 | 7800 | 71.9 | 334 | 2080 | 9.9 | BQ1, J | | |

Al=aluminum; Ca=calcium; Fe=iron; K=potassium; Mg=magnesium; Mn=manganese

NOTE: Some results have validation flags associated with their values, see Appendix 6E for more information.

Validation Flag Definitions: BQ1 or BQ - The result is associated with blank contamination at a level less than or equal to five times the concentration in the blank for contaminants below the MRL (10 times for contaminants above the MRL). Result should be considered not detected at the concentration of the MRL for those results reported below the MRL or as biased high for those reported above the MRL.

J- The result is an estimated quantity.

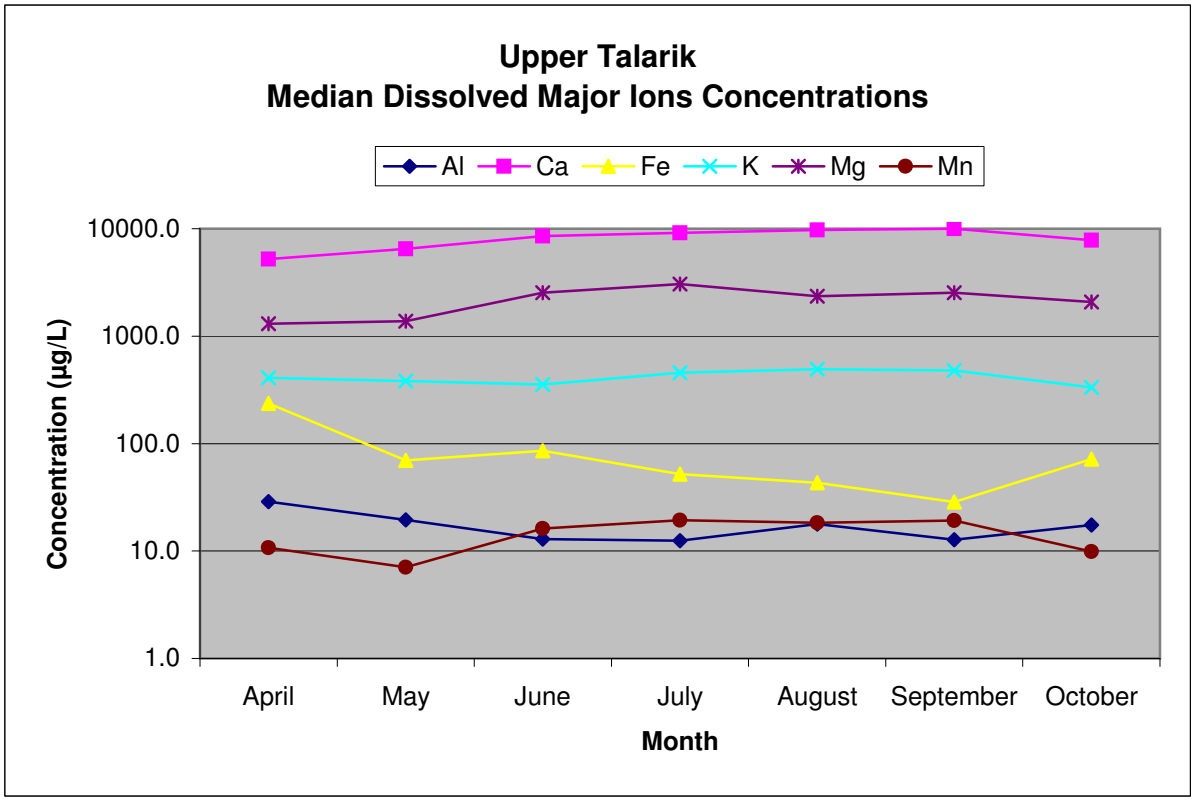


**Figure 6D-14**

**Concentration values for dissolved major ions on Kaskanak Creek (KC100A).**

| Month | Parameters | | | | | | Validation Flags | |
|---|---|---|---|---|---|---|---|---|
| | Al (µg/L) | Ca (µg/L) | Fe (µg/L) | K (µg/L) | Mg (µg/L) | Mn (µg/L) | Al | Mn |
| May | 25.1 | 3950 | 304 | 396 | 966 | 15.9 | BQ | |
| June | 16.0 | 5110 | 291 | 373 | 1240 | 17.3 | BQ1,J | J |
| July | 13.0 | 5860 | 298 | 468 | 1550 | 13.4 | BQ, BQ1, J | |
| August | 15.7 | 6050 | 252 | 495 | 1530 | 9.1 | BQ,BQ1,J | |
| September | 18.3 | 6060 | 242 | 475 | 1520 | 8.7 | BQ1, J | BQ1 |
| October | 26.8 | 4310 | 293 | 328 | 1180 | 41.5 | BQ1, J | |

Al=aluminum; Ca=calcium; Fe=iron; K=potassium; Mg=magnesium; Mn=manganese
NOTE: Some results have validation flags associated with their values, see Appendix 6E for more information.
Validation Flag Definitions: BQ1 or BQ - The result is associated with blank contamination at a level less than or equal to five times the concentration in the blank for contaminants below the MRL (10 times for contaminants above the MRL). Result should be considered not detected at the concentration of the MRL for those results reported below the MRL or as biased high for those reported above the MRL.
J- The result is an estimated quantity.

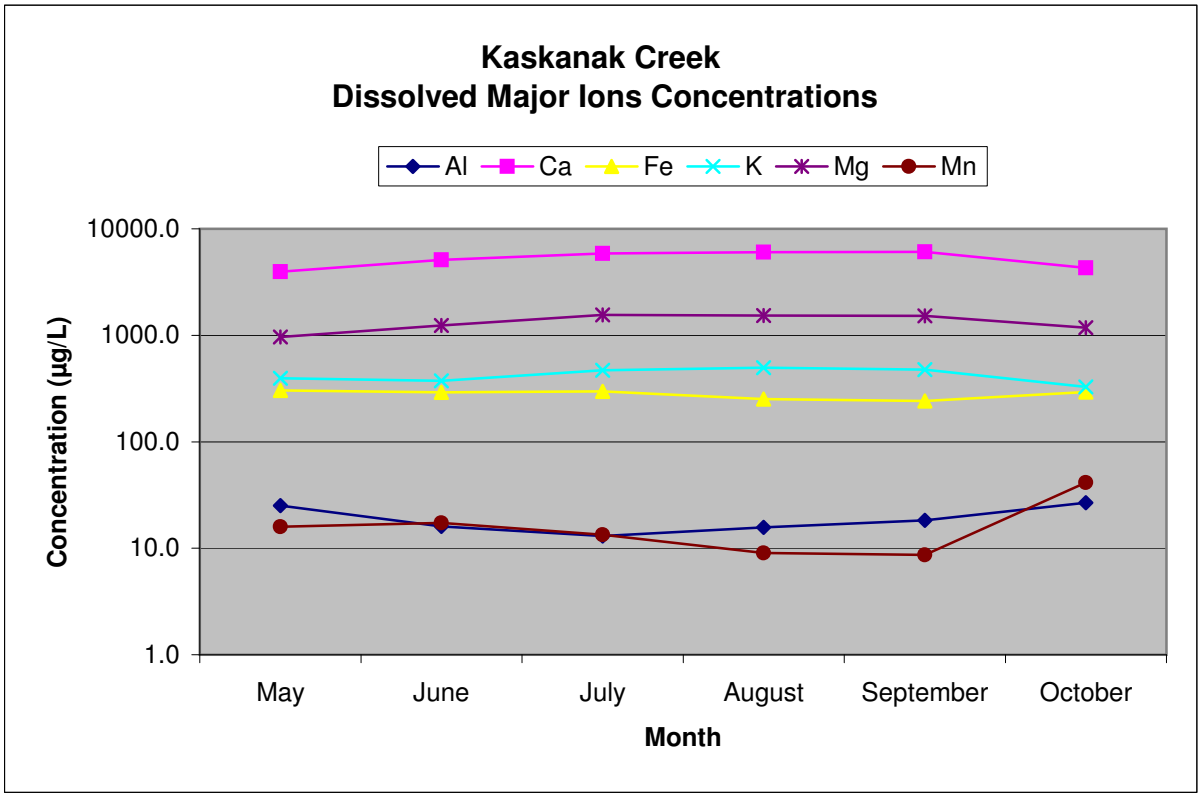


**Figure 6D-15**

**Concentration values for dissolved major ions on the main stem of the Koktuli River (KR100A).**

| Month | Parameters | | | | | | Validation Flags | | |
|---|---|---|---|---|---|---|---|---|---|
| | Al (µg/L) | Ca (µg/L) | Fe (µg/L) | K (µg/L) | Mg (µg/L) | Mn (µg/L) | Al | Fe | Mn |
| April | 21.8 | 3660 | 142 | 357 | 908 | 6.19 | | | |
| May | 36.4 | 2690 | 81 | 233 | 673 | 5.15 | | | |
| June | 14.7 | 4170 | 55 | 309 | 1010 | 6.62 | BQ, BQ1, J | | BQ1,J |
| July | 13.6 | 4900 | 23 | 385 | 1190 | 6.38 | BQ1, J | BQ1 | |
| August | 15.3 | 4760 | 30 | 413 | 1230 | 5.98 | BQ, BQ1, J | BQ1 | BQ1,J |
| September | 12.8 | 4600 | 16 | 364 | 1100 | 4.78 | BQ1, J | J | |
| October | 16.1 | 3780 | 45 | 272 | 931 | 4.88 | BQ1, J | | |

Al=aluminum; Ca=calcium; Fe=iron; K=potassium; Mg=magnesium; Mn=manganese

NOTE: Some results have validation flags associated with their values, see Appendix 6E for more information.

Validation Flag Definitions: BQ1 or BQ - The result is associated with blank contamination at a level less than or equal to five times the concentration in the blank for contaminants below the MRL (10 times for contaminants above the MRL). Result should be considered not detected at the concentration of the MRL for those results reported below the MRL or as biased high for those reported above the MRL.

J- The result is an estimated quantity.

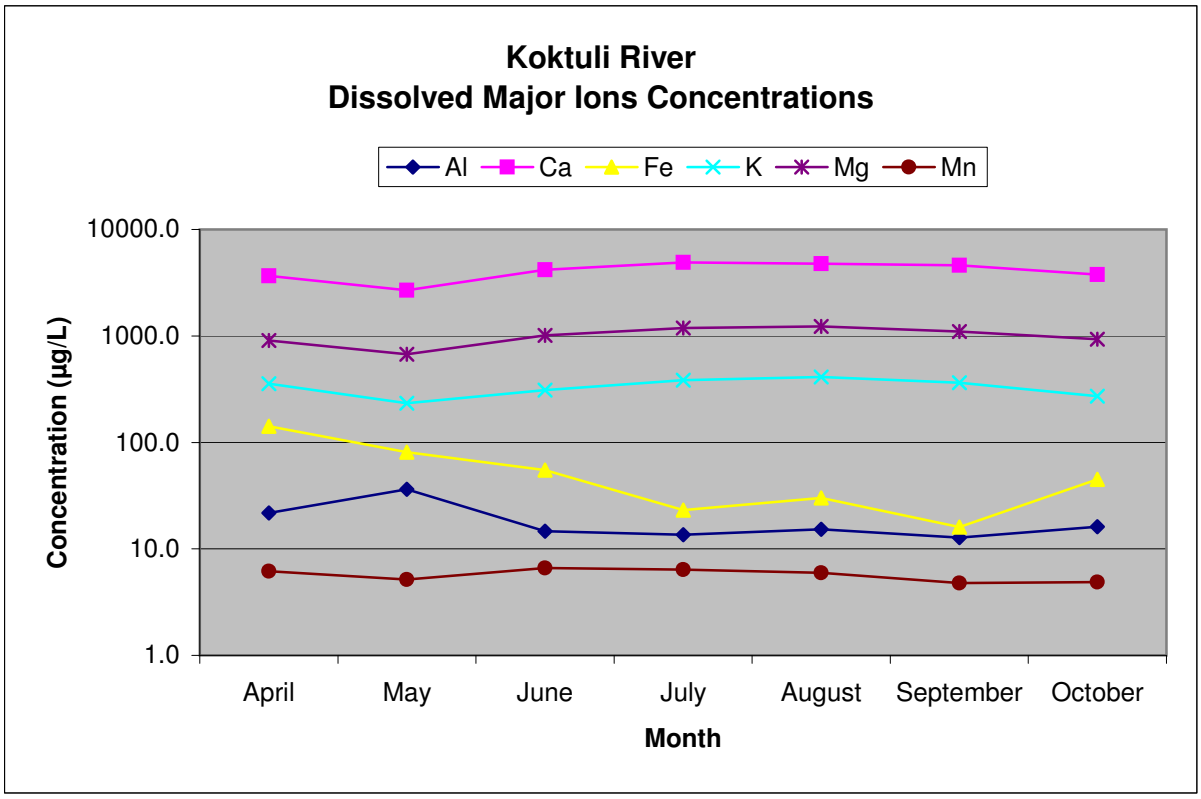


**Figure 6D-16**

**Median concentrations values for total trace metals in main stem locations on the North Fork Koktuli (NK).**

Location summary data from NK100A, NK100C, and NK100D

| Month | Parameters | | | | | Validation Flags | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | As (µg/L) | Cu (µg/L) | Mo (µg/L) | Pb (µg/L) | Zn (µg/L) | As | Cu | Mo | Pb | Zn |
| April | 0.25 | 1.10 | 0.50 | 0.19 | 4.28 | J | BQ | | J | J |
| May | 0.33 | 0.88 | 0.50 | 0.18 | 2.63 | BQ1,J | BQ1 | | BQ1,J | BQ1,BQ |
| June | 0.33 | 0.45 | 0.52 | 0.10 | 1.25 | J | BQ1 | J | | BQ1,J |
| July | 0.46 | 0.34 | 0.33 | 0.10 | 0.67 | | BQ1 | J | | BQ1,J |
| August | 0.44 | 0.34 | 0.42 | 0.11 | 1.26 | J | BQ1 | J | BQ1,J | BQ1,J |
| September | 0.31 | 0.32 | 0.50 | 0.10 | 2.02 | J | BQ1 | J | | BQ1,J |
| October | 0.25 | 0.37 | 0.50 | 0.14 | 1.34 | J | BQ1 | | J | BQ1,J |

As=arsenic; Cu=copper; Mo=molybdenum; Pb=lead; Zn=zinc

Non-detects are reported as 1/2 the MRL: Mo=1 ug/L, Pb=0.2 ug/L.

NOTE: Some results have validation flags associated with their values, see Appendix 6E for more information.

Validation Flag Definitions: BQ1 or BQ - The result is associated with blank contamination at a level less than or equal to five times the concentration in the blank for contaminants below the MRL (10 times for contaminants above the MRL). Result should be considered not detected at the concentration of the MRL for those results reported below the MRL or as biased high for those reported above the MRL.

J- The result is an estimated quantity.

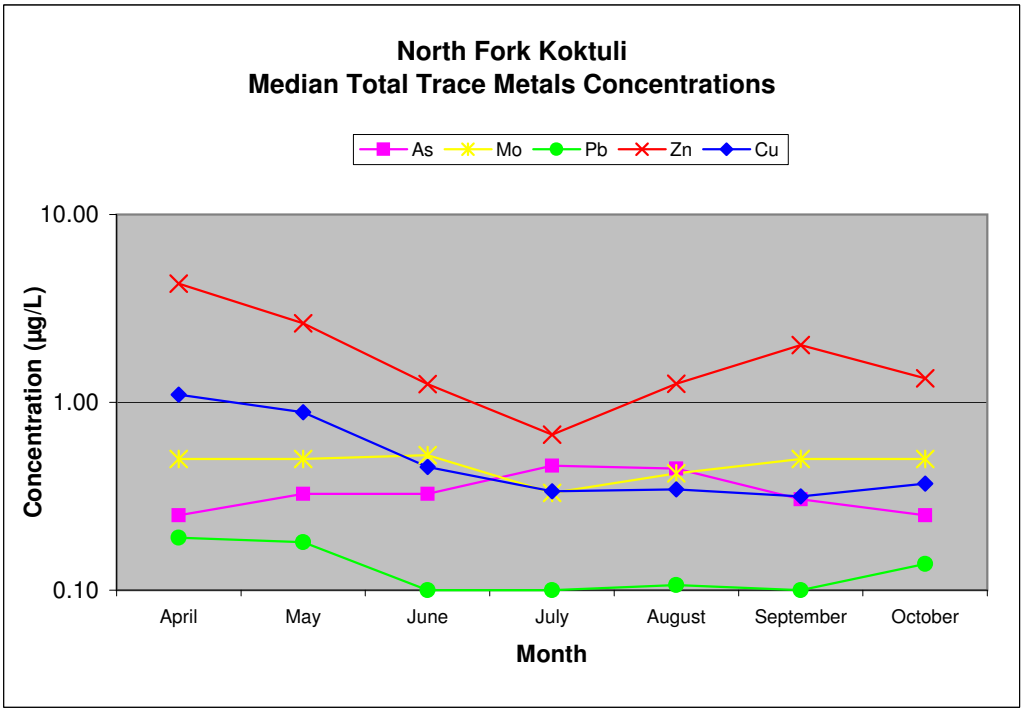


**Figure 6D-17**

## Median concentration values for total trace metals in main stem locations on the South Fork Koktuli (SK).

Location summary data from SK100A, SK100B, SK100C, SK100D, SK100F, and SK100G

| Month | Parameters | | | | | Validation Flags | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | As (µg/L) | Cu (µg/L) | Mo (µg/L) | Pb (µg/L) | Zn (µg/L) | As | Cu | Mo | Pb | Zn |
| April | 0.25 | 1.73 | 0.50 | 0.37 | 3.31 | J | BQ | J | J | BQ |
| May | 0.25 | 1.88 | 0.40 | 0.11 | 3.44 | J,BQ1 | BQ1 | J | J,BQ1 | BQ1,BQ,J |
| June | 0.25 | 1.60 | 0.56 | 0.13 | 1.84 | J | BQ1 | J | J | BQ1,J |
| July | 0.32 | 1.76 | 0.57 | 0.10 | 1.28 | J | BQ1 | J | | BQ1,BQ,J |
| August | 0.37 | 1.50 | 0.53 | 0.10 | 0.79 | J | BQ1 | J | | BQ1,J |
| September | 0.38 | 1.20 | 0.57 | 0.10 | 1.67 | J | BQ1 | J | | BQ1,J |
| October | 0.29 | 1.88 | 0.42 | 0.12 | 2.51 | J | BQ1 | J | J | BQ1 |

As=arsenic; Cu=copper; Mo=molybdenum; Pb=lead; Zn=zinc
Non-detects are reported as 1/2 the MRL: Mo=1 ug/L, Pb=0.2 ug/L.
NOTE: Some results have validation flags associated with their values, see Appendix 6E for more information.
Validation Flag Definitions: BQ1 or BQ - The result is associated with blank contamination at a level less than or equal to five times the concentration in the blank for contaminants below the MRL (10 times for contaminants above the MRL). Result should be considered not detected at the concentration of the MRL for those results reported below the MRL or as biased high for those reported above the MRL.
J- The result is an estimated quantity.

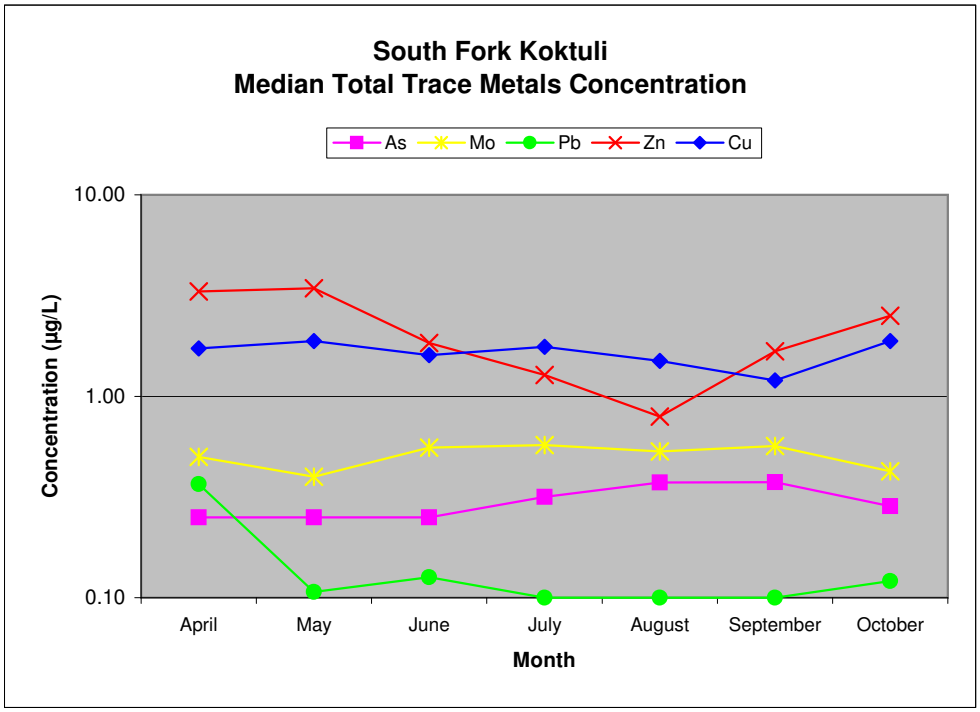


**Figure 6D-18**

## Median concentration values for total trace metals in main stem locations on the Upper Talarik (UT).

Location summary data from UT100A, UT100B, UT100C, UT100D, and UT100E

| Month | Parameters | | | | | Validation Flags | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | As (µg/L) | Cu (µg/L) | Mo (µg/L) | Pb (µg/L) | Zn (µg/L) | As | Cu | Mo | Pb | Zn |
| April | 0.62 | 0.70 | 0.50 | 0.16 | 1.75 | J | | | J | |
| May | 0.76 | 0.45 | 0.50 | 0.10 | 0.94 | BQ1,J | BQ1 | J | BQ1,J | BQ1,J |
| June | 0.36 | 0.44 | 0.50 | 0.11 | 2.24 | J | BQ1 | | J | BQ1,J |
| July | 0.58 | 0.28 | 0.50 | 0.10 | 0.83 | | BQ1 | | | BQ1,J |
| August | 0.85 | 0.34 | 0.41 | 0.10 | 1.02 | J | BQ1 | J | | BQ1,J |
| September | 0.79 | 0.28 | 0.42 | 0.10 | 1.14 | J | BQ1 | J | | BQ1,J |
| October | 0.65 | 0.49 | 0.42 | 0.10 | 1.52 | J | BQ1,j | J | J | BQ1,J |

As=arsenic; Cu=copper; Mo=molybdenum; Pb=lead; Zn=zinc

Non-detects are reported as 1/2 the MRL: Mo=1 ug/L, Pb=0.2 ug/L, Cu=0.2 ug/L.

NOTE: Some results have validation flags associated with their values, see Appendix 6E for more information.

Validation Flag Definitions: BQ1 or BQ - The result is associated with blank contamination at a level less than or equal to five times the concentration in the blank for contaminants below the MRL (10 times for contaminants above the MRL). Result should be considered not detected at the concentration of the MRL for those results reported below the MRL or as biased high for those reported above the MRL.

J- The result is an estimated quantity.

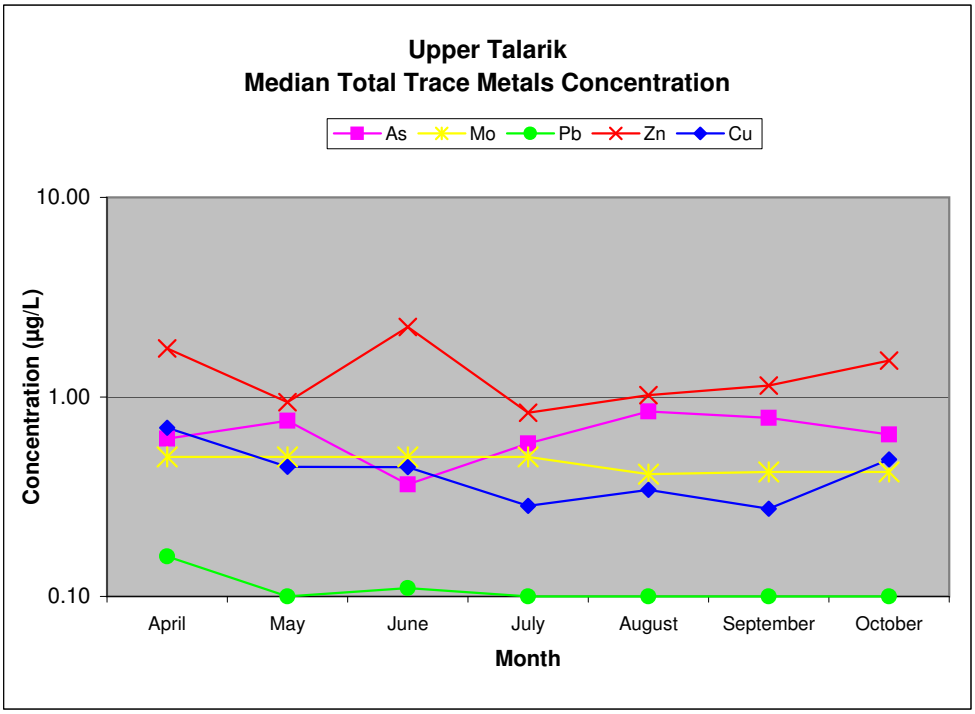


**Figure 6D-19**

## Concentration values for total trace metals on Kaskanak Creek (KC100A).

| Month | Parameters | | | | | Validation Flags | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | As (µg/L) | Cu (µg/L) | Mo (µg/L) | Pb (µg/L) | Zn (µg/L) | As | Cu | Mo | Pb | Zn |
| May | 1.51 | 0.77 | 0.43 | 0.15 | 1.10 | BQ1 | BQ1 | J | BQ1,J | BQ1,J |
| June | 1.68 | 0.32 | 0.41 | 0.10 | 0.80 | | BQ1 | J | | BQ1,J |
| July | 2.74 | 0.52 | 0.40 | 0.10 | 2.49 | | BQ1 | J | | BQ1,BQ |
| August | 2.11 | 0.19 | 0.60 | 0.10 | 0.91 | | BQ1,J | J | | BQ1,J |
| September | 2.08 | 0.22 | 0.50 | 0.12 | 1.68 | | BQ1 | J | J | BQ1 |
| October | 1.56 | 0.26 | 0.33 | 0.10 | 1.15 | | BQ1 | J | | BQ1,J |

As=arsenic; Cu=copper; Mo=molybdenum; Pb=lead; Zn=zinc

Non-detects are reported as 1/2 the MRL: Mo=1 ug/L, Pb=0.2 ug/L, Cu=0.2 ug/L.

NOTE: Some results have validation flags associated with their values, see Appendix 6E for more information.

Validation Flag Definitions: BQ1 or BQ - The result is associated with blank contamination at a level less than or equal to five times the concentration in the blank for contaminants below the MRL (10 times for contaminants above the MRL). Result should be considered not detected at the concentration of the MRL for those results reported below the MRL or as biased high for those reported above the MRL.

J- The result is an estimated quantity.

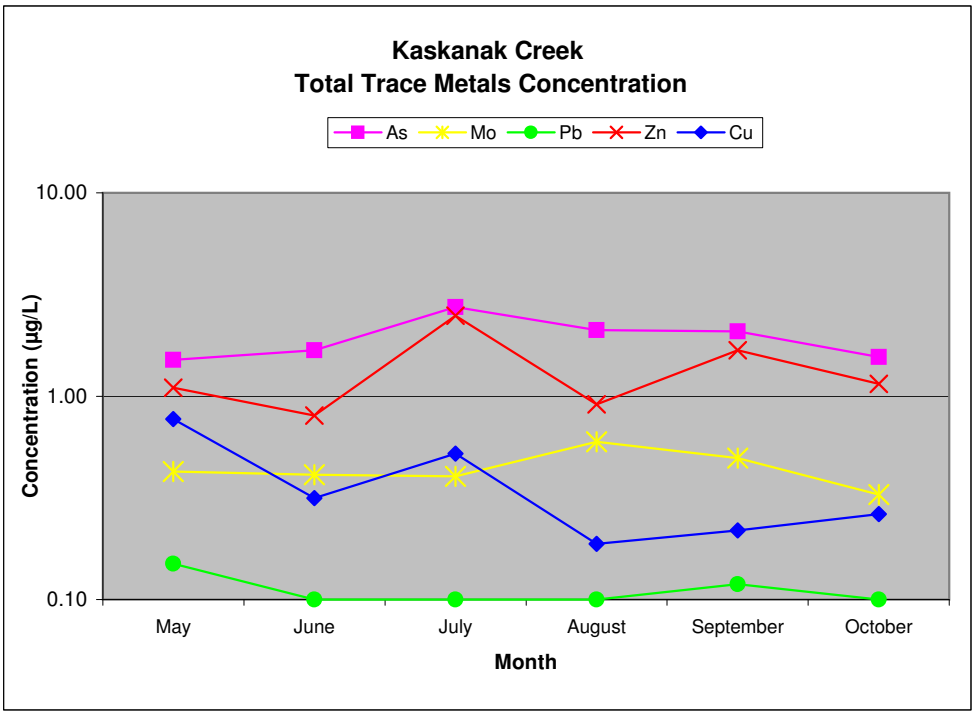


**Figure 6D-20**

**Concentration values for total trace metals on the main stem of the Koktuli River (KR100A).**

| Month | Parameters | | | | | Validation Flags | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | As (µg/L) | Cu (µg/L) | Mo (µg/L) | Pb (µg/L) | Zn (µg/L) | As | Cu | Mo | Pb | Zn |
| April | 0.43 | 1.57 | 0.31 | 0.36 | 3.77 | | BQ1 | | | |
| May | 0.25 | 0.72 | 0.31 | 0.10 | 2.60 | | BQ1 | | | BQ1,BQ |
| June | 0.25 | 0.63 | 0.32 | 0.23 | 1.73 | | BQ1 | J | | BQ1,BQ |
| July | 0.26 | 0.28 | 0.33 | 0.10 | 0.47 | J | BQ1 | J | | |
| August | 0.25 | 0.34 | 0.31 | 0.10 | 1.08 | | BQ1 | | | BQ1,J |
| September | 0.13 | 0.56 | 0.38 | 0.26 | 8.46 | | BQ1 | J | | BQ1 |
| October | 0.13 | 0.57 | | 0.20 | 1.05 | | | | J | BQ1,J |

As=arsenic; Cu=copper; Mo=molybdenum; Pb=lead; Zn=zinc

Non-detects are reported at 1/2 the MRL: Mo=1 ug/L; Pb=0.2 ug/L, As=0.5 ug/L.

NOTE: Some results have validation flags associated with their values, see Appendix 6E for more information.

Validation Flag Definitions: BQ1 or BQ - The result is associated with blank contamination at a level less than or equal to five times the concentration in the blank for contaminants below the MRL (10 times for contaminants above the MRL). Result should be considered not detected at the concentration of the MRL for those results reported below the MRL or as biased high for those reported above the MRL.

J- The result is an estimated quantity.

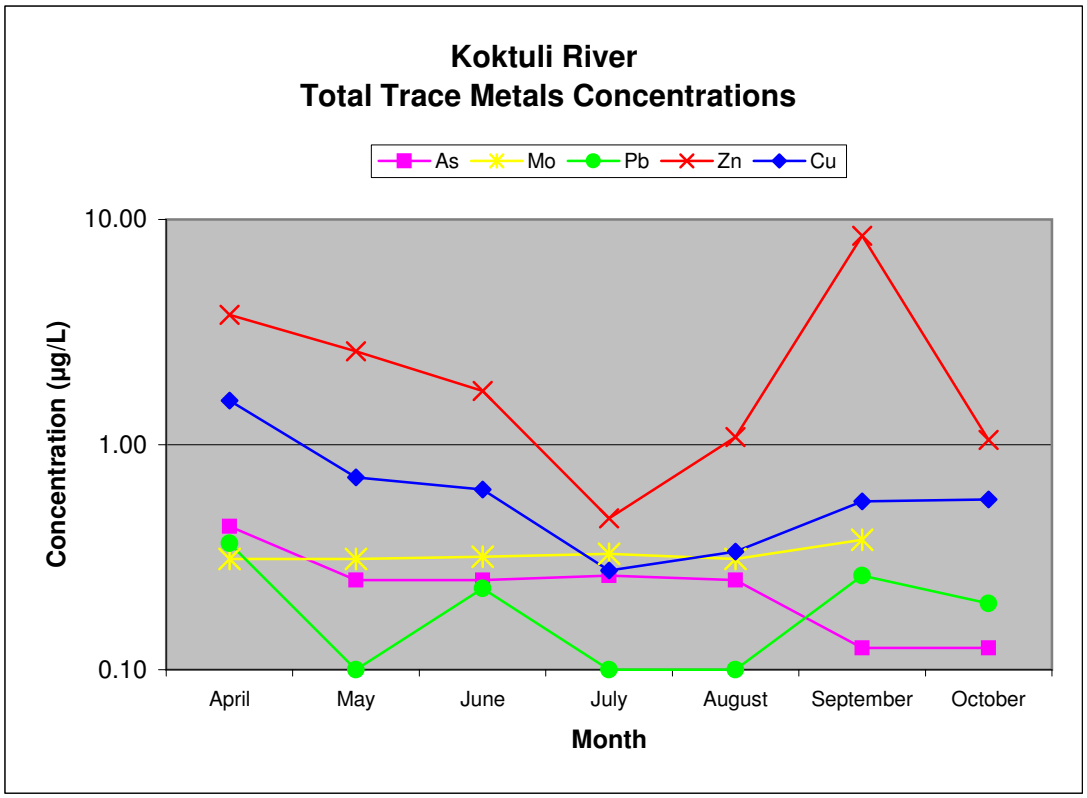


**Figure 6D-21**

## Median concentration values for dissolved trace metals in main stem locations on the North Fork Koktuli (NK).

Location summary data from NK100A, NK100C, and NK100D.

| Month | Parameters | | | | | Validation Flags | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | As (µg/L) | Cu (µg/L) | Mo (µg/L) | Pb (µg/L) | Zn (µg/L) | As | Cu | Mo | Pb | Zn |
| April | 0.25 | 0.55 | 0.50 | 0.17 | 6.53 | | BQ,J | | BQ1,J | BQ,J |
| May | 0.25 | 0.43 | 0.50 | 0.10 | 3.35 | BQ1,J | BQ1,BQ | | BQ1,J | BQ1 |
| June | 0.25 | 0.47 | 0.50 | 0.10 | 1.56 | | BQ1 | | | BQ1,J |
| July | 0.43 | 0.33 | 0.43 | 0.10 | 1.37 | | BQ1 | J | | BQ1,J |
| August | 0.41 | 0.36 | 0.41 | 0.10 | 1.22 | J | BQ1 | J | | BQ1,J |
| September | 0.29 | 0.44 | 0.50 | 0.10 | 1.78 | | BQ1 | | | BQ1,J |
| October | 0.25 | 0.37 | 0.50 | 0.10 | 2.88 | J | BQ1 | | | BQ1,J |

As=arsenic; Cu=copper; Mo=molybdenum; Pb=lead; Zn=zinc

Non-detects are reported at 1/2 the MRL: Mo=1 ug/L, Pb=0.2 ug/L, As=0.5 ug/L, Cu=0.2 ug/L.

NOTE: Some results have validation flags associated with their values, see Appendix 6E for more information.

Validation Flag Definitions: BQ1 or BQ - The result is associated with blank contamination at a level less than or equal to five times the concentration in the blank for contaminants below the MRL (10 times for contaminants above the MRL). Result should be considered not detected at the concentration of the MRL for those results reported below the MRL or as biased high for those reported above the MRL.

J- The result is an estimated quantity.

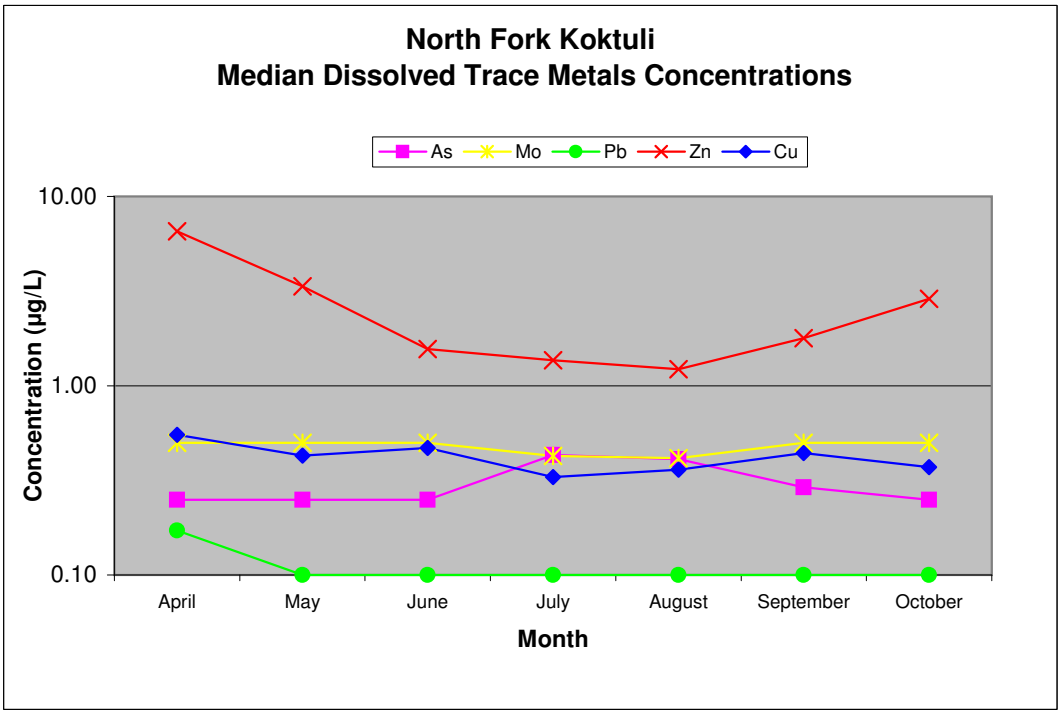


**Figure 6D-22**

## Median concentration values for dissolved trace metals in main stem locations on the South Fork Koktuli (SK).

Location summary data from SK100A, SK100B, SK100C, SK100D, SK100E, SK100F, and SK100G

| Month | Parameters | | | | | Validation Flags | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | As (µg/L) | Cu (µg/L) | Mo (µg/L) | Pb (µg/L) | Zn (µg/L) | As | Cu | Mo | Pb | Zn |
| April | 0.25 | 1.06 | 0.41 | 0.25 | 4.44 | J | BQ,J | J | BQ1 | BQ |
| May | 0.25 | 1.46 | 0.39 | 0.12 | 3.71 | BQ1,J | BQ1,J | J | BQ1,J | BQ1,BQ |
| June | 0.25 | 1.34 | 0.52 | 0.10 | 2.36 | J | BQ1 | J | J | BQ1,J |
| July | 0.40 | 1.57 | 0.85 | 0.10 | 1.56 | J | BQ1 | J | | BQ1,J |
| August | 0.42 | 1.32 | 0.51 | 0.10 | 1.20 | J | BQ1 | J | | BQ1,J |
| September | 0.30 | 1.27 | 0.57 | 0.10 | 1.29 | J | BQ1 | J | | BQ1,J |
| October | 0.25 | 1.44 | 0.43 | 0.10 | 3.04 | J | BQ1 | J | J | BQ1 |

As=arsenic; Cu=copper; Mo=molybdenum; Pb=lead; Zn=zinc

Non-detects are reported at 1/2 the MRL: Pb=0.2 ug/L, As=0.5 ug/L, Cu=02. ug/L.

NOTE: Some results have validation flags associated with their values, see Appendix 6E for more information.

Validation Flag Definitions: BQ1 or BQ - The result is associated with blank contamination at a level less than or equal to five times the concentration in the blank for contaminants below the MRL (10 times for contaminants above the MRL). Result should be considered not detected at the concentration of the MRL for those results reported below the MRL or as biased high for those reported above the MRL.

J- The result is an estimated quantity.

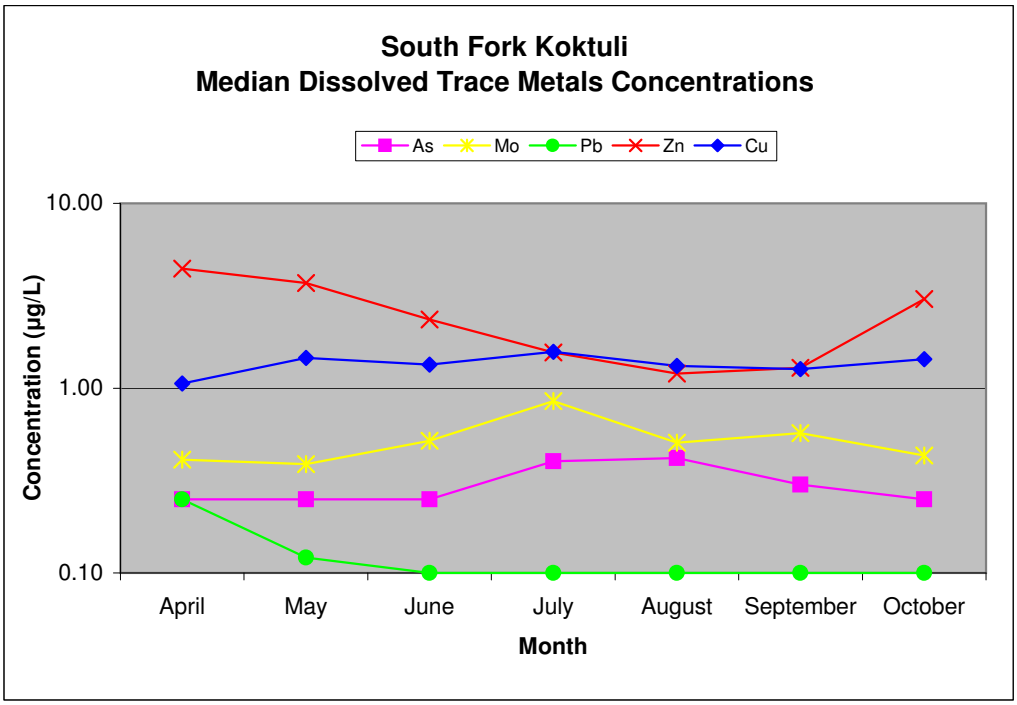


**Figure 6D-23**

**Median concentration values for dissolved trace metals in main stem locations on the Upper Talarik (UT).**

Location summary data from UT100A, UT100B, UT100C, UT100D, and UT100E

| Month | Parameters | | | | | Validation Flags | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | As (µg/L) | Cu (µg/L) | Mo (µg/L) | Pb (µg/L) | Zn (µg/L) | As | Cu | Mo | Pb | Zn |
| April | 0.39 | 0.59 | 0.50 | 0.10 | 2.89 | | | | BQ1 | |
| May | 0.57 | 0.40 | 0.50 | 0.10 | 1.52 | BQ1,J | BQ1,J | J | BQ1,J | BQ1,J |
| June | 0.25 | 0.46 | 0.50 | 0.10 | 1.96 | | BQ1 | J | | BQ1,BQ,J |
| July | 0.29 | 0.25 | 0.50 | 0.10 | 1.10 | J | BQ1 | | | BQ1,J |
| August | 0.65 | 0.28 | 0.50 | 0.10 | 0.91 | J | BQ1 | | | BQ1,J |
| September | 0.79 | 0.25 | 0.42 | 0.10 | 1.10 | J | BQ1 | J | | BQ1,J |
| October | 0.63 | 0.40 | 0.42 | 0.10 | 2.18 | J | BQ1 | J | | BQ1,J |

As=arsenic; Cu=copper; Mo=molybdenum; Pb=lead; Zn=zinc

Non-detects are reported at 1/2 the MRL: Mo=1 ug/L, Pb=0.2 ug/L, As=0.5 ug/L, Cu=0.2 ug/L.

NOTE: Some results have validation flags associated with their values, see Appendix 6E for more information.

Validation Flag Definitions: BQ1 or BQ - The result is associated with blank contamination at a level less than or equal to five times the concentration in the blank for contaminants below the MRL (10 times for contaminants above the MRL). Result should be considered not detected at the concentration of the MRL for those results reported below the MRL or as biased high for those reported above the MRL.

J- The result is an estimated quantity.

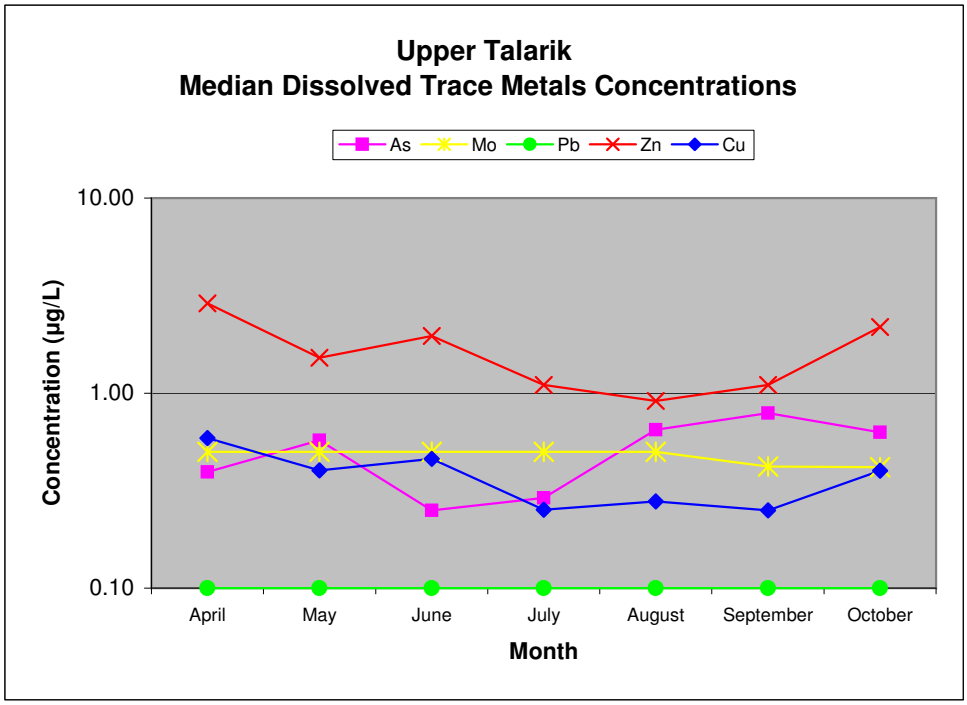


**Figure 6D-24**

**Concentration values for dissolved trace metals for Kaskanak Creek (KC100A).**

| Month | Parameters | | | | | Validation Flags | | | |
|---|---|---|---|---|---|---|---|---|---|
| | As (µg/L) | Cu (µg/L) | Mo (µg/L) | Pb (µg/L) | Zn (µg/L) | As | Cu | Mo | Zn |
| May | 1.16 | 0.33 | 0.35 | 0.10 | 1.36 | BQ1,J | BQ1 | J | BQ1,J |
| June | 1.41 | 0.27 | 0.41 | 0.10 | 1.35 | | BQ1 | J | BQ1,J |
| July | 1.87 | 0.17 | 0.58 | 0.10 | 1.21 | | BQ1,J | J | BQ1,BQ,J |
| August | 1.57 | 0.24 | 0.45 | 0.10 | 0.56 | | BQ1 | J | BQ1,J |
| September | 1.55 | 0.25 | 0.43 | 0.10 | 1.58 | | BQ1 | J | BQ1 |
| October | 1.17 | 0.28 | 0.34 | 0.10 | 2.10 | | BQ1 | J | BQ1,BQ,J |

As=arsenic; Cu=copper; Mo=molybdenum; Pb=lead; Zn=zinc

Non-detects are reported at 1/2 the MRL: Mo=1 ug/L, Pb=0.2 ug/L, As=0.5 ug/L, Cu=0.2 ug/L.

NOTE: Some results have validation flags associated with their values, see Appendix 6E for more information.

Validation Flag Definitions: BQ1 or BQ - The result is associated with blank contamination at a level less than or equal to five times the concentration in the blank for contaminants below the MRL (10 times for contaminants above the MRL). Result should be considered not detected at the concentration of the MRL for those results reported below the MRL or as biased high for those reported above the MRL.

J- The result is an estimated quantity.

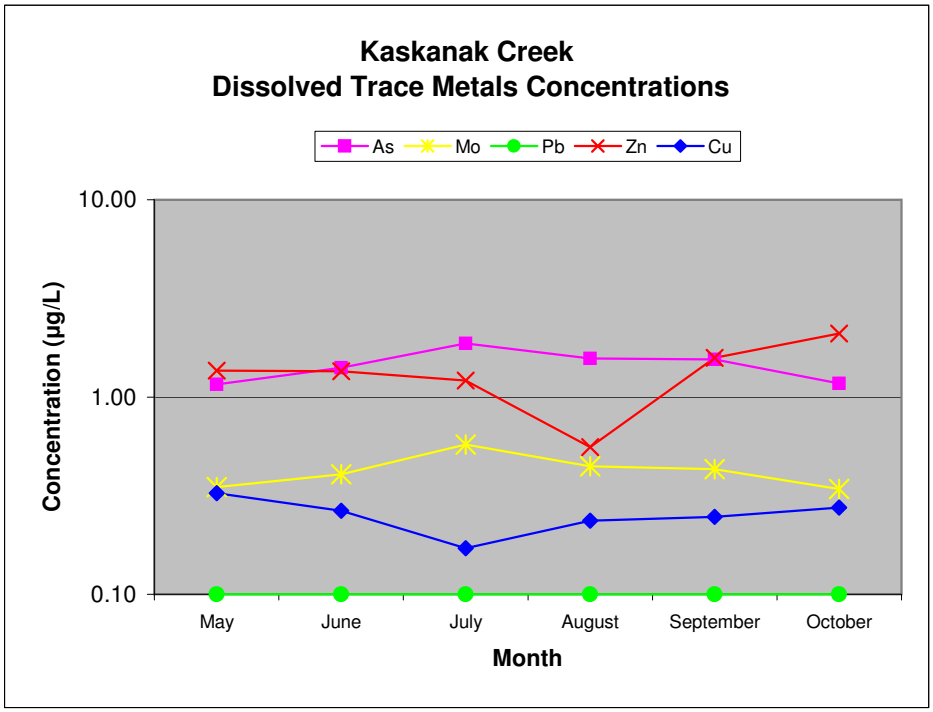


**Figure 6D-25**

**Concentration values for dissolved trace metals on the main stem of the Koktuli River (KR100A).**

| Month | Parameters | | | | | Validation Flags | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | As (µg/L) | Cu (µg/L) | Mo (µg/L) | Pb (µg/L) | Zn (µg/L) | As | Cu | Mo | Pb | Zn |
| April | 0.25 | 0.80 | NR | 0.36 | 3.88 | | BQ1 | | | |
| May | 0.25 | 0.53 | 0.32 | 0.10 | 1.47 | | BQ1 | J | | BQ1,J |
| June | 0.25 | 0.48 | 0.35 | 0.15 | 1.83 | | BQ1 | J | J | BQ1 |
| July | 0.27 | 0.32 | 0.31 | 0.10 | 1.05 | J | BQ1 | | | BQ1,J |
| August | 0.37 | 0.25 | 0.31 | 0.10 | 0.88 | J | BQ1 | | | BQ1,J |
| September | 0.13 | 0.22 | 0.16 | 0.11 | 4.25 | | BQ1 | | J | BQ1 |
| October | 0.28 | 0.44 | 0.16 | 0.11 | 3.66 | J | BQ1 | | J | BQ1,J |

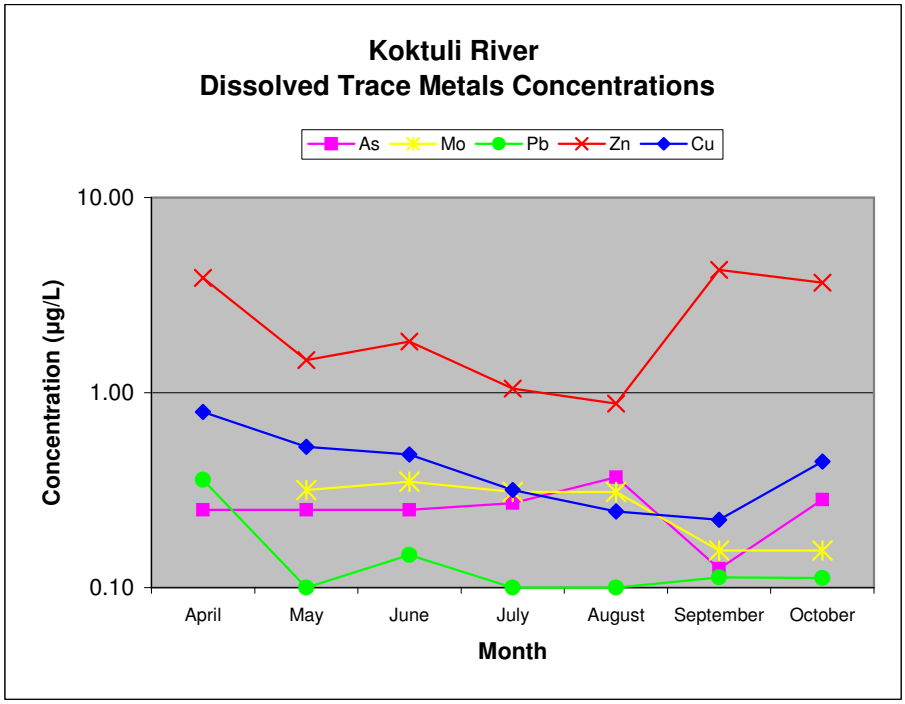
As=arsenic; Cu=copper; Mo=molybdenum; Pb=lead; Zn=zinc; NR=not reported

Non-detects are reported at 1/2 the MRL: Mo=1 ug/L; Pb=0.2 ug/L, As=0.5 ug/L, Cu=0.2 ug/L.

NOTE: Some results have validation flags associated with their values, see Appendix 6E for more information.

Validation Flag Definitions: BQ1 or BQ - The result is associated with blank contamination at a level less than or equal to five times the concentration in the blank for contaminants below the MRL (10 times for contaminants above the MRL). Result should be considered not detected at the concentration of the MRL for those results reported below the MRL or as biased high for those reported above the MRL.

J- The result is an estimated quantity.



APPENDIX 6-E
2004 Surface Water-quality Data Tables,
Mine Area
(Please note: this appendix is available only in electronic format.)

# APPENDIX 6-E
# 2004 Surface Water-quality Data Table

## Koktuli River - KR100A

Pebble Project
Koktuli River - KR100A
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| KR100A | 5/18/2004 0:00 | 051804KR100ASW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 5/18/2004 0:00 | 051804KR100ASW001 | Alkalinity, Total | 11.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 5/18/2004 0:00 | 051804KR100ASW001 | Aluminum | 96.5 | UG/L | | 25 | 7.8 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 5/18/2004 0:00 | 051804KR100ASW001 | Aluminum | 36.4 | UG/L | | 25 | 7.8 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 5/18/2004 0:00 | 051804KR100ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 5/18/2004 0:00 | 051804KR100ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 5/18/2004 0:00 | 051804KR100ASW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 5/18/2004 0:00 | 051804KR100ASW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 5/18/2004 0:00 | 051804KR100ASW001 | Barium | 2.67 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 5/18/2004 0:00 | 051804KR100ASW001 | Barium | 1.26 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 5/18/2004 0:00 | 051804KR100ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 5/18/2004 0:00 | 051804KR100ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 5/18/2004 0:00 | 051804KR100ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 5/18/2004 0:00 | 051804KR100ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 5/18/2004 0:00 | 051804KR100ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 5/18/2004 0:00 | 051804KR100ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 5/18/2004 0:00 | 051804KR100ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 5/18/2004 0:00 | 051804KR100ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 5/18/2004 0:00 | 051804KR100ASW001 | Calcium | 2910 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 5/18/2004 0:00 | 051804KR100ASW001 | Calcium | 2690 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 5/18/2004 0:00 | 051804KR100ASW001 | Chloride | 0.704 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 5/18/2004 0:00 | 051804KR100ASW001 | Chromium | 0.155 | UG/L | J,BQ1 | 0.2 | 0.1 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 5/18/2004 0:00 | 051804KR100ASW001 | Chromium | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 5/18/2004 0:00 | 051804KR100ASW001 | Cobalt | 1.9 | UG/L | J+ | 0.1 | 0.031 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 5/18/2004 0:00 | 051804KR100ASW001 | Cobalt | 0.0539 | UG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 5/18/2004 0:00 | 051804KR100ASW001 | Copper | 0.716 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 5/18/2004 0:00 | 051804KR100ASW001 | Copper | 0.527 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 5/18/2004 0:00 | 051804KR100ASW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 5/18/2004 0:00 | 051804KR100ASW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N = Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Koktuli River - KR100A
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| KR100A | 5/18/2004 0:00 | 051804KR100ASW001 | Fluoride | 0.044 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 5/18/2004 0:00 | 051804KR100ASW001 | Hardness as CaCO3 | 10.1 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 5/18/2004 0:00 | 051804KR100ASW001 | Hardness as CaCO3 | 9.49 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 5/18/2004 0:00 | 051804KR100ASW001 | Iron | 176 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 5/18/2004 0:00 | 051804KR100ASW001 | Iron | 80.9 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 5/18/2004 0:00 | 051804KR100ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 5/18/2004 0:00 | 051804KR100ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 5/18/2004 0:00 | 051804KR100ASW001 | Magnesium | 678 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 5/18/2004 0:00 | 051804KR100ASW001 | Magnesium | 673 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 5/18/2004 0:00 | 051804KR100ASW001 | Manganese | 7.75 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 5/18/2004 0:00 | 051804KR100ASW001 | Manganese | 5.15 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 5/18/2004 0:00 | 051804KR100ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 5/18/2004 0:00 | 051804KR100ASW001 | Molybdenum | 0.316 | UG/L | J | 1 | 0.31 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 5/18/2004 0:00 | 051804KR100ASW001 | Nickel | 0.161 | UG/L | J,BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 5/18/2004 0:00 | 051804KR100ASW001 | Nickel | 0.295 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 5/18/2004 0:00 | 051804KR100ASW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 5/18/2004 0:00 | 051804KR100ASW001 | Nitrogen, Nitrate-Nitrite | 0.037 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 5/18/2004 0:00 | 051804KR100ASW001 | pH | 6.7 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 5/18/2004 0:00 | 051804KR100ASW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 5/18/2004 0:00 | 051804KR100ASW001 | Potassium | 253 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 5/18/2004 0:00 | 051804KR100ASW001 | Potassium | 233 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 5/18/2004 0:00 | 051804KR100ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 5/18/2004 0:00 | 051804KR100ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 5/18/2004 0:00 | 051804KR100ASW001 | Silicon | 3120 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 5/18/2004 0:00 | 051804KR100ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 5/18/2004 0:00 | 051804KR100ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 5/18/2004 0:00 | 051804KR100ASW001 | Sodium | 1490 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 5/18/2004 0:00 | 051804KR100ASW001 | Sodium | 1560 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 5/18/2004 0:00 | 051804KR100ASW001 | Specific Conductance | 31 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N = Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Koktuli River - KR100A
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| KR100A | 5/18/2004 0:00 | 051804KR100ASW001 | Sulfate | 2.09 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 5/18/2004 0:00 | 051804KR100ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 5/18/2004 0:00 | 051804KR100ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 5/18/2004 0:00 | 051804KR100ASW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 5/18/2004 0:00 | 051804KR100ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 5/18/2004 0:00 | 051804KR100ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 5/18/2004 0:00 | 051804KR100ASW001 | Total Dissolved Solids | 32.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 5/18/2004 0:00 | 051804KR100ASW001 | Total Suspended Solids | 2.3 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 5/18/2004 0:00 | 051804KR100ASW001 | Vanadium | 0.327 | UG/L | J,BQ1 | 0.4 | 0.25 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 5/18/2004 0:00 | 051804KR100ASW001 | Vanadium | 0.377 | UG/L | J,BQ1 | 0.4 | 0.25 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 5/18/2004 0:00 | 051804KR100ASW001 | Zinc | 2.6 | UG/L | BQ1,BQ | 1.5 | 0.47 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 5/18/2004 0:00 | 051804KR100ASW001 | Zinc | 1.47 | UG/L | J,BQ1 | 1.5 | 0.47 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 6/15/2004 0:00 | 061504KR100ASW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 6/15/2004 0:00 | 061504KR100ASW001 | Alkalinity, Total | 18 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 6/15/2004 0:00 | 061504KR100ASW001 | Aluminum | 22.2 | UG/L | BQ1,J | 25 | 7.8 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 6/15/2004 0:00 | 061504KR100ASW001 | Aluminum | 14.7 | UG/L | BQ,BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 6/15/2004 0:00 | 061504KR100ASW001 | Antimony | 1.18 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 6/15/2004 0:00 | 061504KR100ASW001 | Antimony | 0.468 | UG/L | | 0.2 | 0.077 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 6/15/2004 0:00 | 061504KR100ASW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 6/15/2004 0:00 | 061504KR100ASW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 6/15/2004 0:00 | 061504KR100ASW001 | Barium | 2.57 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 6/15/2004 0:00 | 061504KR100ASW001 | Barium | 1.78 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 6/15/2004 0:00 | 061504KR100ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 6/15/2004 0:00 | 061504KR100ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 6/15/2004 0:00 | 061504KR100ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 6/15/2004 0:00 | 061504KR100ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 6/15/2004 0:00 | 061504KR100ASW001 | Boron | 5.37 | UG/L | J | 10 | 3.1 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 6/15/2004 0:00 | 061504KR100ASW001 | Boron | 4.85 | UG/L | J | 10 | 3.1 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 6/15/2004 0:00 | 061504KR100ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N = Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Koktuli River - KR100A
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| KR100A | 6/15/2004 0:00 | 061504KR100ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 6/15/2004 0:00 | 061504KR100ASW001 | Calcium | 4270 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 6/15/2004 0:00 | 061504KR100ASW001 | Calcium | 4170 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 6/15/2004 0:00 | 061504KR100ASW001 | Chloride | 0.801 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 6/15/2004 0:00 | 061504KR100ASW001 | Chromium | 0.152 | UG/L | J | 0.2 | 0.1 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 6/15/2004 0:00 | 061504KR100ASW001 | Chromium | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 6/15/2004 0:00 | 061504KR100ASW001 | Cobalt | 0.0532 | UG/L | BQ1,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 6/15/2004 0:00 | 061504KR100ASW001 | Cobalt | 2.57 | UG/L | BQ1,J | 0.1 | 0.031 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 6/15/2004 0:00 | 061504KR100ASW001 | Copper | 0.631 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 6/15/2004 0:00 | 061504KR100ASW001 | Copper | 0.481 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 6/15/2004 0:00 | 061504KR100ASW001 | Cyanide | 0.0036 | MG/L | J | 0.005 | 0.0025 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 6/15/2004 0:00 | 061504KR100ASW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 6/15/2004 0:00 | 061504KR100ASW001 | Fluoride | 0.036 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 6/15/2004 0:00 | 061504KR100ASW001 | Hardness as CaCO3 | 14.3 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 6/15/2004 0:00 | 061504KR100ASW001 | Hardness as CaCO3 | 14.6 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 6/15/2004 0:00 | 061504KR100ASW001 | Iron | 60.7 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 6/15/2004 0:00 | 061504KR100ASW001 | Iron | 54.9 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 6/15/2004 0:00 | 061504KR100ASW001 | Lead | 0.23 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 6/15/2004 0:00 | 061504KR100ASW001 | Lead | 0.147 | UG/L | J | 0.2 | 0.1 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 6/15/2004 0:00 | 061504KR100ASW001 | Magnesium | 888 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 6/15/2004 0:00 | 061504KR100ASW001 | Magnesium | 1010 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 6/15/2004 0:00 | 061504KR100ASW001 | Manganese | 4.2 | UG/L | BQ1,J | 1 | 0.5 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 6/15/2004 0:00 | 061504KR100ASW001 | Manganese | 6.62 | UG/L | BQ1,J | 1 | 0.5 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 6/15/2004 0:00 | 061504KR100ASW001 | Molybdenum | 0.318 | UG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 6/15/2004 0:00 | 061504KR100ASW001 | Molybdenum | 0.349 | UG/L | J | 1 | 0.31 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 6/15/2004 0:00 | 061504KR100ASW001 | Nickel | 0.21 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 6/15/2004 0:00 | 061504KR100ASW001 | Nickel | 0.308 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 6/15/2004 0:00 | 061504KR100ASW001 | Nitrogen, Ammonia (as N) | 0.077 | MG/L | BQ,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 6/15/2004 0:00 | 061504KR100ASW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | R | 0.1 | 0.031 | (N) Non-filtered (for metals, N = Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Koktuli River - KR100A
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| KR100A | 6/15/2004 0:00 | 061504KR100ASW001 | pH | 6.84 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 6/15/2004 0:00 | 061504KR100ASW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 6/15/2004 0:00 | 061504KR100ASW001 | Potassium | 314 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 6/15/2004 0:00 | 061504KR100ASW001 | Potassium | 309 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 6/15/2004 0:00 | 061504KR100ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 6/15/2004 0:00 | 061504KR100ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 6/15/2004 0:00 | 061504KR100ASW001 | Silicon | 4000 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 6/15/2004 0:00 | 061504KR100ASW001 | Silver | 0.0126 | UG/L | J | 0.02 | 0.0062 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 6/15/2004 0:00 | 061504KR100ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 6/15/2004 0:00 | 061504KR100ASW001 | Sodium | 2100 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 6/15/2004 0:00 | 061504KR100ASW001 | Sodium | 2190 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 6/15/2004 0:00 | 061504KR100ASW001 | Specific Conductance | 50 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 6/15/2004 0:00 | 061504KR100ASW001 | Sulfate | 3.11 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 6/15/2004 0:00 | 061504KR100ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 6/15/2004 0:00 | 061504KR100ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 6/15/2004 0:00 | 061504KR100ASW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 6/15/2004 0:00 | 061504KR100ASW001 | Tin | 4.32 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 6/15/2004 0:00 | 061504KR100ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 6/15/2004 0:00 | 061504KR100ASW001 | Total Dissolved Solids | 50 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 6/15/2004 0:00 | 061504KR100ASW001 | Total Suspended Solids | 1.41 | MG/L | | 0.588 | 0.176 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 6/15/2004 0:00 | 061504KR100ASW001 | Vanadium | 0.419 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 6/15/2004 0:00 | 061504KR100ASW001 | Vanadium | 0.355 | UG/L | J | 0.4 | 0.25 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 6/15/2004 0:00 | 061504KR100ASW001 | Zinc | 1.73 | UG/L | BQ1 | 1.5 | 0.47 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 6/15/2004 0:00 | 061504KR100ASW001 | Zinc | 1.83 | UG/L | BQ1 | 1.5 | 0.47 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 7/14/2004 0:00 | 071404KR100ASW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 7/14/2004 0:00 | 071404KR100ASW001 | Alkalinity, Total | 20 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 7/14/2004 0:00 | 071404KR100ASW001 | Aluminum | 16.6 | UG/L | BQ,BQ1,J | 25 | 7.8 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 7/14/2004 0:00 | 071404KR100ASW001 | Aluminum | 13.6 | UG/L | BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 7/14/2004 0:00 | 071404KR100ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N = Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Koktuli River - KR100A
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| KR100A | 7/14/2004 0:00 | 071404KR100ASW001 | Antimony | 0.244 | UG/L | BQ1 | 0.2 | 0.077 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 7/14/2004 0:00 | 071404KR100ASW001 | Arsenic | 0.262 | UG/L | J | 0.5 | 0.25 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 7/14/2004 0:00 | 071404KR100ASW001 | Arsenic | 0.271 | UG/L | J | 0.5 | 0.25 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 7/14/2004 0:00 | 071404KR100ASW001 | Barium | 2.89 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 7/14/2004 0:00 | 071404KR100ASW001 | Barium | 2.93 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 7/14/2004 0:00 | 071404KR100ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 7/14/2004 0:00 | 071404KR100ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 7/14/2004 0:00 | 071404KR100ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 7/14/2004 0:00 | 071404KR100ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 7/14/2004 0:00 | 071404KR100ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 7/14/2004 0:00 | 071404KR100ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 7/14/2004 0:00 | 071404KR100ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 7/14/2004 0:00 | 071404KR100ASW001 | Cadmium | 0.0701 | UG/L | BQ1,J | 0.1 | 0.031 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 7/14/2004 0:00 | 071404KR100ASW001 | Calcium | 4710 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 7/14/2004 0:00 | 071404KR100ASW001 | Calcium | 4900 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 7/14/2004 0:00 | 071404KR100ASW001 | Chloride | 0.825 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 7/14/2004 0:00 | 071404KR100ASW001 | Chromium | 0.14 | UG/L | BQ1,J | 0.2 | 0.1 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 7/14/2004 0:00 | 071404KR100ASW001 | Chromium | 0.237 | UG/L | BQ1 | 0.2 | 0.1 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 7/14/2004 0:00 | 071404KR100ASW001 | Cobalt | 0.0336 | UG/L | BQ1,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 7/14/2004 0:00 | 071404KR100ASW001 | Cobalt | 0.932 | UG/L | BQ1,J | 0.1 | 0.031 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 7/14/2004 0:00 | 071404KR100ASW001 | Copper | 0.276 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 7/14/2004 0:00 | 071404KR100ASW001 | Copper | 0.317 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 7/14/2004 0:00 | 071404KR100ASW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 7/14/2004 0:00 | 071404KR100ASW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 7/14/2004 0:00 | 071404KR100ASW001 | Fluoride | 0.09 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 7/14/2004 0:00 | 071404KR100ASW001 | Hardness as CaCO3 | 15.9 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 7/14/2004 0:00 | 071404KR100ASW001 | Hardness as CaCO3 | 17.1 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 7/14/2004 0:00 | 071404KR100ASW001 | Iron | 47.1 | UG/L | BQ1 | 20 | 6.2 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 7/14/2004 0:00 | 071404KR100ASW001 | Iron | 23.1 | UG/L | BQ1 | 20 | 6.2 | (F) field-filtered (for metals, F = Dissolved Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Koktuli River - KR100A
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| KR100A | 7/14/2004 0:00 | 071404KR100ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 7/14/2004 0:00 | 071404KR100ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 7/14/2004 0:00 | 071404KR100ASW001 | Magnesium | 1010 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 7/14/2004 0:00 | 071404KR100ASW001 | Magnesium | 1190 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 7/14/2004 0:00 | 071404KR100ASW001 | Manganese | 5.74 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 7/14/2004 0:00 | 071404KR100ASW001 | Manganese | 6.38 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 7/14/2004 0:00 | 071404KR100ASW001 | Molybdenum | 0.327 | UG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 7/14/2004 0:00 | 071404KR100ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 7/14/2004 0:00 | 071404KR100ASW001 | Nickel | 0.168 | UG/L | BQ1,J | 0.2 | 0.062 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 7/14/2004 0:00 | 071404KR100ASW001 | Nickel | 0.544 | UG/L | J | 0.2 | 0.062 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 7/14/2004 0:00 | 071404KR100ASW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 7/14/2004 0:00 | 071404KR100ASW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | | 2 | 0.62 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 7/14/2004 0:00 | 071404KR100ASW001 | pH | 7.6 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 7/14/2004 0:00 | 071404KR100ASW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 7/14/2004 0:00 | 071404KR100ASW001 | Potassium | 399 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 7/14/2004 0:00 | 071404KR100ASW001 | Potassium | 385 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 7/14/2004 0:00 | 071404KR100ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 7/14/2004 0:00 | 071404KR100ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 7/14/2004 0:00 | 071404KR100ASW001 | Silicon | 4790 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 7/14/2004 0:00 | 071404KR100ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 7/14/2004 0:00 | 071404KR100ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 7/14/2004 0:00 | 071404KR100ASW001 | Sodium | 2380 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 7/14/2004 0:00 | 071404KR100ASW001 | Sodium | 2460 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 7/14/2004 0:00 | 071404KR100ASW001 | Specific Conductance | 50 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 7/14/2004 0:00 | 071404KR100ASW001 | Sulfate | 3.06 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 7/14/2004 0:00 | 071404KR100ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 7/14/2004 0:00 | 071404KR100ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 7/14/2004 0:00 | 071404KR100ASW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 7/14/2004 0:00 | 071404KR100ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N = Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Koktuli River - KR100A
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| KR100A | 7/14/2004 0:00 | 071404KR100ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 7/14/2004 0:00 | 071404KR100ASW001 | Total Dissolved Solids | 41.3 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 7/14/2004 0:00 | 071404KR100ASW001 | Total Suspended Solids | 0.9 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 7/14/2004 0:00 | 071404KR100ASW001 | Vanadium | 0.296 | UG/L | J | 0.4 | 0.25 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 7/14/2004 0:00 | 071404KR100ASW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 7/14/2004 0:00 | 071404KR100ASW001 | Zinc | 0 | UG/L | | 1.5 | 0.47 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 7/14/2004 0:00 | 071404KR100ASW001 | Zinc | 1.05 | UG/L | BQ1,J | 1.5 | 0.47 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 8/27/2004 0:00 | 082704KR100ASW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 8/27/2004 0:00 | 082704KR100ASW001 | Alkalinity, Total | 21 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 8/27/2004 0:00 | 082704KR100ASW001 | Aluminum | 17.3 | UG/L | BQ,BQ1,J | 25 | 7.8 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 8/27/2004 0:00 | 082704KR100ASW001 | Aluminum | 15.3 | UG/L | BQ,BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 8/27/2004 0:00 | 082704KR100ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 8/27/2004 0:00 | 082704KR100ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 8/27/2004 0:00 | 082704KR100ASW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 8/27/2004 0:00 | 082704KR100ASW001 | Arsenic | 0.368 | UG/L | J | 0.5 | 0.25 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 8/27/2004 0:00 | 082704KR100ASW001 | Barium | 2.68 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 8/27/2004 0:00 | 082704KR100ASW001 | Barium | 2.35 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 8/27/2004 0:00 | 082704KR100ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 8/27/2004 0:00 | 082704KR100ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 8/27/2004 0:00 | 082704KR100ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 8/27/2004 0:00 | 082704KR100ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 8/27/2004 0:00 | 082704KR100ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 8/27/2004 0:00 | 082704KR100ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 8/27/2004 0:00 | 082704KR100ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 8/27/2004 0:00 | 082704KR100ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 8/27/2004 0:00 | 082704KR100ASW001 | Calcium | 4650 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 8/27/2004 0:00 | 082704KR100ASW001 | Calcium | 4760 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 8/27/2004 0:00 | 082704KR100ASW001 | Chloride | 0.921 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 8/27/2004 0:00 | 082704KR100ASW001 | Chromium | 0.181 | UG/L | BQ1,J | 0.2 | 0.1 | (N) Non-filtered (for metals, N = Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Koktuli River - KR100A
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| KR100A | 8/27/2004 0:00 | 082704KR100ASW001 | Chromium | 0.179 | UG/L | BQ1,J | 0.2 | 0.1 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 8/27/2004 0:00 | 082704KR100ASW001 | Cobalt | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 8/27/2004 0:00 | 082704KR100ASW001 | Cobalt | 0.65 | UG/L | BQ1 | 0.1 | 0.031 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 8/27/2004 0:00 | 082704KR100ASW001 | Copper | 0.335 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 8/27/2004 0:00 | 082704KR100ASW001 | Copper | 0.246 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 8/27/2004 0:00 | 082704KR100ASW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 8/27/2004 0:00 | 082704KR100ASW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 8/27/2004 0:00 | 082704KR100ASW001 | Fluoride | 0.033 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 8/27/2004 0:00 | 082704KR100ASW001 | Hardness as CaCO3 | 16.5 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 8/27/2004 0:00 | 082704KR100ASW001 | Hardness as CaCO3 | 17 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 8/27/2004 0:00 | 082704KR100ASW001 | Iron | 42.6 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 8/27/2004 0:00 | 082704KR100ASW001 | Iron | 30.1 | UG/L | BQ1 | 20 | 6.2 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 8/27/2004 0:00 | 082704KR100ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 8/27/2004 0:00 | 082704KR100ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 8/27/2004 0:00 | 082704KR100ASW001 | Magnesium | 1180 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 8/27/2004 0:00 | 082704KR100ASW001 | Magnesium | 1230 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 8/27/2004 0:00 | 082704KR100ASW001 | Manganese | 5.61 | UG/L | BQ1 | 1 | 0.5 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 8/27/2004 0:00 | 082704KR100ASW001 | Manganese | 5.98 | UG/L | BQ1 | 1 | 0.5 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 8/27/2004 0:00 | 082704KR100ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 8/27/2004 0:00 | 082704KR100ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 8/27/2004 0:00 | 082704KR100ASW001 | Nickel | 0.129 | UG/L | J | 0.2 | 0.062 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 8/27/2004 0:00 | 082704KR100ASW001 | Nickel | 0 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 8/27/2004 0:00 | 082704KR100ASW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 8/27/2004 0:00 | 082704KR100ASW001 | Nitrogen, Nitrate-Nitrite | 0.54 | MG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 8/27/2004 0:00 | 082704KR100ASW001 | pH | 7.53 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 8/27/2004 0:00 | 082704KR100ASW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 8/27/2004 0:00 | 082704KR100ASW001 | Potassium | 386 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 8/27/2004 0:00 | 082704KR100ASW001 | Potassium | 413 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 8/27/2004 0:00 | 082704KR100ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N = Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Koktuli River - KR100A
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| KR100A | 8/27/2004 0:00 | 082704KR100ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 8/27/2004 0:00 | 082704KR100ASW001 | Silicon | 5510 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 8/27/2004 0:00 | 082704KR100ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 8/27/2004 0:00 | 082704KR100ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 8/27/2004 0:00 | 082704KR100ASW001 | Sodium | 2290 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 8/27/2004 0:00 | 082704KR100ASW001 | Sodium | 2500 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 8/27/2004 0:00 | 082704KR100ASW001 | Specific Conductance | 50 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 8/27/2004 0:00 | 082704KR100ASW001 | Sulfate | 2.77 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 8/27/2004 0:00 | 082704KR100ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 8/27/2004 0:00 | 082704KR100ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 8/27/2004 0:00 | 082704KR100ASW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 8/27/2004 0:00 | 082704KR100ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 8/27/2004 0:00 | 082704KR100ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 8/27/2004 0:00 | 082704KR100ASW001 | Total Dissolved Solids | 45 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 8/27/2004 0:00 | 082704KR100ASW001 | Total Suspended Solids | 0.8 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 8/27/2004 0:00 | 082704KR100ASW001 | Vanadium | 0.263 | UG/L | J | 0.4 | 0.25 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 8/27/2004 0:00 | 082704KR100ASW001 | Vanadium | 0.355 | UG/L | J | 0.4 | 0.25 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 8/27/2004 0:00 | 082704KR100ASW001 | Zinc | 1.08 | UG/L | BQ1,J | 1.5 | 0.47 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 8/27/2004 0:00 | 082704KR100ASW001 | Zinc | 0.877 | UG/L | BQ1,J | 1.5 | 0.47 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 9/15/2004 0:00 | 091504KR100ASW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 9/15/2004 0:00 | 091504KR100ASW001 | Alkalinity, Total | 20.3 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 9/15/2004 0:00 | 091504KR100ASW001 | Aluminum | 21 | UG/L | BQ1,J | 25 | 7.8 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 9/15/2004 0:00 | 091504KR100ASW001 | Aluminum | 12.8 | UG/L | BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 9/15/2004 0:00 | 091504KR100ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 9/15/2004 0:00 | 091504KR100ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 9/15/2004 0:00 | 091504KR100ASW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 9/15/2004 0:00 | 091504KR100ASW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 9/15/2004 0:00 | 091504KR100ASW001 | Barium | 2.32 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 9/15/2004 0:00 | 091504KR100ASW001 | Barium | 2.79 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N = Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Koktuli River - KR100A
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| KR100A | 9/15/2004 0:00 | 091504KR100ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 9/15/2004 0:00 | 091504KR100ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 9/15/2004 0:00 | 091504KR100ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 9/15/2004 0:00 | 091504KR100ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 9/15/2004 0:00 | 091504KR100ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 9/15/2004 0:00 | 091504KR100ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 9/15/2004 0:00 | 091504KR100ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 9/15/2004 0:00 | 091504KR100ASW001 | Cadmium | 0.0582 | UG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 9/15/2004 0:00 | 091504KR100ASW001 | Calcium | 4600 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 9/15/2004 0:00 | 091504KR100ASW001 | Calcium | 4730 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 9/15/2004 0:00 | 091504KR100ASW001 | Chloride | 0.946 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 9/15/2004 0:00 | 091504KR100ASW001 | Chromium | 0.241 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 9/15/2004 0:00 | 091504KR100ASW001 | Chromium | 0.188 | UG/L | J | 0.2 | 0.1 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 9/15/2004 0:00 | 091504KR100ASW001 | Cobalt | 0.416 | UG/L | J,BQ1 | 0.1 | 0.031 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 9/15/2004 0:00 | 091504KR100ASW001 | Cobalt | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 9/15/2004 0:00 | 091504KR100ASW001 | Copper | 0.223 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 9/15/2004 0:00 | 091504KR100ASW001 | Copper | 0.562 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 9/15/2004 0:00 | 091504KR100ASW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 9/15/2004 0:00 | 091504KR100ASW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 9/15/2004 0:00 | 091504KR100ASW001 | Fluoride | 0.116 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 9/15/2004 0:00 | 091504KR100ASW001 | Hardness as CaCO3 | 16.5 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 9/15/2004 0:00 | 091504KR100ASW001 | Hardness as CaCO3 | 16 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 9/15/2004 0:00 | 091504KR100ASW001 | Iron | 16 | UG/L | J | 20 | 6.2 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 9/15/2004 0:00 | 091504KR100ASW001 | Iron | 36.8 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 9/15/2004 0:00 | 091504KR100ASW001 | Lead | 0.113 | UG/L | J | 0.2 | 0.1 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 9/15/2004 0:00 | 091504KR100ASW001 | Lead | 0.262 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 9/15/2004 0:00 | 091504KR100ASW001 | Magnesium | 1100 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 9/15/2004 0:00 | 091504KR100ASW001 | Magnesium | 1140 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 9/15/2004 0:00 | 091504KR100ASW001 | Manganese | 4.78 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F = Dissolved Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Koktuli River - KR100A
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| KR100A | 9/15/2004 0:00 | 091504KR100ASW001 | Manganese | 5.09 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 9/15/2004 0:00 | 091504KR100ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 9/15/2004 0:00 | 091504KR100ASW001 | Molybdenum | 0.378 | UG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 9/15/2004 0:00 | 091504KR100ASW001 | Nickel | 0.344 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 9/15/2004 0:00 | 091504KR100ASW001 | Nickel | 0.277 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 9/15/2004 0:00 | 091504KR100ASW001 | Nitrogen, Ammonia (as N) | 0.038 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 9/15/2004 0:00 | 091504KR100ASW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 9/15/2004 0:00 | 091504KR100ASW001 | pH | 7.52 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 9/15/2004 0:00 | 091504KR100ASW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 9/15/2004 0:00 | 091504KR100ASW001 | Potassium | 364 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 9/15/2004 0:00 | 091504KR100ASW001 | Potassium | 364 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 9/15/2004 0:00 | 091504KR100ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 9/15/2004 0:00 | 091504KR100ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 9/15/2004 0:00 | 091504KR100ASW001 | Silicon | 5180 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 9/15/2004 0:00 | 091504KR100ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 9/15/2004 0:00 | 091504KR100ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 9/15/2004 0:00 | 091504KR100ASW001 | Sodium | 2300 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 9/15/2004 0:00 | 091504KR100ASW001 | Sodium | 2330 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 9/15/2004 0:00 | 091504KR100ASW001 | Specific Conductance | 45 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 9/15/2004 0:00 | 091504KR100ASW001 | Sulfate | 2.93 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 9/15/2004 0:00 | 091504KR100ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 9/15/2004 0:00 | 091504KR100ASW001 | Thallium | 0.0365 | UG/L | J | 0.05 | 0.025 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 9/15/2004 0:00 | 091504KR100ASW001 | Thiocyanate | 0.23 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 9/15/2004 0:00 | 091504KR100ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 9/15/2004 0:00 | 091504KR100ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 9/15/2004 0:00 | 091504KR100ASW001 | Total Dissolved Solids | 45 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 9/15/2004 0:00 | 091504KR100ASW001 | Total Suspended Solids | 1 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 9/15/2004 0:00 | 091504KR100ASW001 | Vanadium | 0.268 | UG/L | J | 0.4 | 0.25 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 9/15/2004 0:00 | 091504KR100ASW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N = Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Koktuli River - KR100A
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| KR100A | 9/15/2004 0:00 | 091504KR100ASW001 | Zinc | 4.25 | UG/L | BQ1 | 1.5 | 0.47 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 9/15/2004 0:00 | 091504KR100ASW001 | Zinc | 8.46 | UG/L | BQ1 | 1.5 | 0.47 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 10/17/2004 0:00 | 101704KR100ASW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 10/17/2004 0:00 | 101704KR100ASW001 | Alkalinity, Total | 15 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 10/17/2004 0:00 | 101704KR100ASW001 | Aluminum | 32.5 | UG/L | BQ1 | 25 | 7.8 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 10/17/2004 0:00 | 101704KR100ASW001 | Aluminum | 16.1 | UG/L | BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 10/17/2004 0:00 | 101704KR100ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 10/17/2004 0:00 | 101704KR100ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 10/17/2004 0:00 | 101704KR100ASW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 10/17/2004 0:00 | 101704KR100ASW001 | Arsenic | 0.283 | UG/L | J | 0.5 | 0.25 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 10/17/2004 0:00 | 101704KR100ASW001 | Barium | 2.5 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 10/17/2004 0:00 | 101704KR100ASW001 | Barium | 2.13 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 10/17/2004 0:00 | 101704KR100ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 10/17/2004 0:00 | 101704KR100ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 10/17/2004 0:00 | 101704KR100ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 10/17/2004 0:00 | 101704KR100ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 10/17/2004 0:00 | 101704KR100ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 10/17/2004 0:00 | 101704KR100ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 10/17/2004 0:00 | 101704KR100ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 10/17/2004 0:00 | 101704KR100ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 10/17/2004 0:00 | 101704KR100ASW001 | Calcium | 3920 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 10/17/2004 0:00 | 101704KR100ASW001 | Calcium | 3780 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 10/17/2004 0:00 | 101704KR100ASW001 | Chloride | 1.06 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 10/17/2004 0:00 | 101704KR100ASW001 | Chromium | 0.177 | UG/L | J | 0.2 | 0.1 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 10/17/2004 0:00 | 101704KR100ASW001 | Chromium | 0.103 | UG/L | BQ1,J | 0.2 | 0.1 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 10/17/2004 0:00 | 101704KR100ASW001 | Cobalt | 0 | UG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 10/17/2004 0:00 | 101704KR100ASW001 | Cobalt | 0.492 | UG/L | BQ1,J | 0.1 | 0.031 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 10/17/2004 0:00 | 101704KR100ASW001 | Copper | 0.443 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 10/17/2004 0:00 | 101704KR100ASW001 | Copper | 0.571 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N = Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Koktuli River - KR100A
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| KR100A | 10/17/2004 0:00 | 101704KR100ASW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 10/17/2004 0:00 | 101704KR100ASW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 10/17/2004 0:00 | 101704KR100ASW001 | Fluoride | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 10/17/2004 0:00 | 101704KR100ASW001 | Hardness as CaCO3 | 13.7 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 10/17/2004 0:00 | 101704KR100ASW001 | Iron | 84.1 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 10/17/2004 0:00 | 101704KR100ASW001 | Iron | 45.1 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 10/17/2004 0:00 | 101704KR100ASW001 | Lead | 0.197 | UG/L | J | 0.2 | 0.1 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 10/17/2004 0:00 | 101704KR100ASW001 | Lead | 0.112 | UG/L | J | 0.2 | 0.1 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 10/17/2004 0:00 | 101704KR100ASW001 | Magnesium | 950 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 10/17/2004 0:00 | 101704KR100ASW001 | Magnesium | 931 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 10/17/2004 0:00 | 101704KR100ASW001 | Manganese | 5.72 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 10/17/2004 0:00 | 101704KR100ASW001 | Manganese | 4.88 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 10/17/2004 0:00 | 101704KR100ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 10/17/2004 0:00 | 101704KR100ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 10/17/2004 0:00 | 101704KR100ASW001 | Nickel | 0.151 | UG/L | J | 0.2 | 0.062 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 10/17/2004 0:00 | 101704KR100ASW001 | Nickel | 0.3 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 10/17/2004 0:00 | 101704KR100ASW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 10/17/2004 0:00 | 101704KR100ASW001 | Nitrogen, Nitrate-Nitrite | 0.84 | MG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 10/17/2004 0:00 | 101704KR100ASW001 | pH | 7.04 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 10/17/2004 0:00 | 101704KR100ASW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 10/17/2004 0:00 | 101704KR100ASW001 | Potassium | 276 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 10/17/2004 0:00 | 101704KR100ASW001 | Potassium | 272 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 10/17/2004 0:00 | 101704KR100ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 10/17/2004 0:00 | 101704KR100ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 10/17/2004 0:00 | 101704KR100ASW001 | Silicon | 4820 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 10/17/2004 0:00 | 101704KR100ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 10/17/2004 0:00 | 101704KR100ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 10/17/2004 0:00 | 101704KR100ASW001 | Sodium | 2020 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 10/17/2004 0:00 | 101704KR100ASW001 | Sodium | 2020 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F = Dissolved Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Koktuli River - KR100A
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| KR100A | 10/17/2004 0:00 | 101704KR100ASW001 | Specific Conductance | 44 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 10/17/2004 0:00 | 101704KR100ASW001 | Sulfate | 3.36 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 10/17/2004 0:00 | 101704KR100ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 10/17/2004 0:00 | 101704KR100ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 10/17/2004 0:00 | 101704KR100ASW001 | Thiocyanate | 0.15 | MG/L | J | 1 | 0.059 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 10/17/2004 0:00 | 101704KR100ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 10/17/2004 0:00 | 101704KR100ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 10/17/2004 0:00 | 101704KR100ASW001 | Total Dissolved Solids | 13.8 | MG/L | BQ | 10 | 3.1 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 10/17/2004 0:00 | 101704KR100ASW001 | Total Suspended Solids | 0.8 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 10/17/2004 0:00 | 101704KR100ASW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 10/17/2004 0:00 | 101704KR100ASW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KR100A | 10/17/2004 0:00 | 101704KR100ASW001 | Zinc | 1.05 | UG/L | BQ1,J | 1.5 | 0.47 | (N) Non-filtered (for metals, N = Total Metal) |
| KR100A | 10/17/2004 0:00 | 101704KR100ASW001 | Zinc | 3.66 | UG/L | BQ1,J | 1.5 | 0.47 | (F) field-filtered (for metals, F = Dissolved Metal) |
| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

# APPENDIX 6-E
# 2004 Surface Water-quality Data Table

## South Fork Koktuli River
## April to July

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100A | 4/28/2004 0:00 | 042804SK100ASW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 4/28/2004 0:00 | 042804SK100ASW001 | Alkalinity, Total | 12 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 4/28/2004 0:00 | 042804SK100ASW001 | Aluminum | 32.1 | UG/L | | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 4/28/2004 0:00 | 042804SK100ASW001 | Aluminum | 10.4 | UG/L | J, BQ1 | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 4/28/2004 0:00 | 042804SK100ASW001 | Antimony | 0 | UG/L | J | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 4/28/2004 0:00 | 042804SK100ASW001 | Antimony | 0.283 | UG/L | J, BQ1 | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 4/28/2004 0:00 | 042804SK100ASW001 | Arsenic | 0.302 | UG/L | J | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 4/28/2004 0:00 | 042804SK100ASW001 | Arsenic | 0.331 | UG/L | J | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 4/28/2004 0:00 | 042804SK100ASW001 | Barium | 1.82 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 4/28/2004 0:00 | 042804SK100ASW001 | Barium | 1.71 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 4/28/2004 0:00 | 042804SK100ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 4/28/2004 0:00 | 042804SK100ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 4/28/2004 0:00 | 042804SK100ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 4/28/2004 0:00 | 042804SK100ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 4/28/2004 0:00 | 042804SK100ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 4/28/2004 0:00 | 042804SK100ASW001 | Boron | 3.6 | UG/L | J, BQ | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 4/28/2004 0:00 | 042804SK100ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 4/28/2004 0:00 | 042804SK100ASW001 | Cadmium | 0.0588 | UG/L | J | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 4/28/2004 0:00 | 042804SK100ASW001 | Calcium | 3970 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 4/28/2004 0:00 | 042804SK100ASW001 | Calcium | 3860 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 4/28/2004 0:00 | 042804SK100ASW001 | Chloride | 0.964 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 4/28/2004 0:00 | 042804SK100ASW001 | Chromium | 0.185 | UG/L | J | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 4/28/2004 0:00 | 042804SK100ASW001 | Chromium | 0.168 | UG/L | J | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 4/28/2004 0:00 | 042804SK100ASW001 | Cobalt | 0.0363 | UG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 4/28/2004 0:00 | 042804SK100ASW001 | Cobalt | 0.256 | UG/L | J | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 4/28/2004 0:00 | 042804SK100ASW001 | Copper | 1.73 | UG/L | BQ | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 4/28/2004 0:00 | 042804SK100ASW001 | Copper | 1.06 | UG/L | BQ | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 4/28/2004 0:00 | 042804SK100ASW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 4/28/2004 0:00 | 042804SK100ASW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100A | 4/28/2004 0:00 | 042804SK100ASW001 | Fluoride | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 4/28/2004 0:00 | 042804SK100ASW001 | Hardness as CaCO3 | 13.3 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 4/28/2004 0:00 | 042804SK100ASW001 | Hardness as CaCO3 | 12.8 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 4/28/2004 0:00 | 042804SK100ASW001 | Iron | 96.5 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 4/28/2004 0:00 | 042804SK100ASW001 | Iron | 60 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 4/28/2004 0:00 | 042804SK100ASW001 | Lead | 0.598 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 4/28/2004 0:00 | 042804SK100ASW001 | Lead | 0.417 | UG/L | BQ1 | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 4/28/2004 0:00 | 042804SK100ASW001 | Magnesium | 813 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 4/28/2004 0:00 | 042804SK100ASW001 | Magnesium | 779 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 4/28/2004 0:00 | 042804SK100ASW001 | Manganese | 4.88 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 4/28/2004 0:00 | 042804SK100ASW001 | Manganese | 3.84 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 4/28/2004 0:00 | 042804SK100ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 4/28/2004 0:00 | 042804SK100ASW001 | Molybdenum | 0.328 | UG/L | J | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 4/28/2004 0:00 | 042804SK100ASW001 | Nickel | 0.378 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 4/28/2004 0:00 | 042804SK100ASW001 | Nickel | 0.403 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 4/28/2004 0:00 | 042804SK100ASW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 4/28/2004 0:00 | 042804SK100ASW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | R | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 4/28/2004 0:00 | 042804SK100ASW001 | pH | 6.8 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 4/28/2004 0:00 | 042804SK100ASW001 | Phosphorus, Total (as P) | 0.037 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 4/28/2004 0:00 | 042804SK100ASW001 | Potassium | 302 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 4/28/2004 0:00 | 042804SK100ASW001 | Potassium | 303 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 4/28/2004 0:00 | 042804SK100ASW001 | Selenium | 0.321 | UG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 4/28/2004 0:00 | 042804SK100ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 4/28/2004 0:00 | 042804SK100ASW001 | Silicon | 4130 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 4/28/2004 0:00 | 042804SK100ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 4/28/2004 0:00 | 042804SK100ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 4/28/2004 0:00 | 042804SK100ASW001 | Sodium | 1830 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 4/28/2004 0:00 | 042804SK100ASW001 | Sodium | 1910 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 4/28/2004 0:00 | 042804SK100ASW001 | Specific Conductance | 36 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100A | 4/28/2004 0:00 | 042804SK100ASW001 | Sulfate | 2.95 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 4/28/2004 0:00 | 042804SK100ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 4/28/2004 0:00 | 042804SK100ASW001 | Thallium | 0.0291 | UG/L | J | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 4/28/2004 0:00 | 042804SK100ASW001 | Thiocyanate | ND | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 4/28/2004 0:00 | 042804SK100ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 4/28/2004 0:00 | 042804SK100ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 4/28/2004 0:00 | 042804SK100ASW001 | Total Dissolved Solids | 43.8 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 4/28/2004 0:00 | 042804SK100ASW001 | Total Suspended Solids | 1.52 | MG/L | | 0.505 | 0.152 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 4/28/2004 0:00 | 042804SK100ASW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 4/28/2004 0:00 | 042804SK100ASW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 4/28/2004 0:00 | 042804SK100ASW001 | Zinc | 3.85 | UG/L | BQ | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 4/28/2004 0:00 | 042804SK100ASW001 | Zinc | 3.71 | UG/L | BQ | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 5/18/2004 0:00 | 051804SK100ASW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 5/18/2004 0:00 | 051804SK100ASW001 | Alkalinity, Total | 11.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 5/18/2004 0:00 | 051804SK100ASW001 | Aluminum | 66 | UG/L | | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 5/18/2004 0:00 | 051804SK100ASW001 | Aluminum | 28.8 | UG/L | | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 5/18/2004 0:00 | 051804SK100ASW001 | Antimony | 2.19 | UG/L | BQ1 | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 5/18/2004 0:00 | 051804SK100ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 5/18/2004 0:00 | 051804SK100ASW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 5/18/2004 0:00 | 051804SK100ASW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 5/18/2004 0:00 | 051804SK100ASW001 | Barium | 2.36 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 5/18/2004 0:00 | 051804SK100ASW001 | Barium | 1 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 5/18/2004 0:00 | 051804SK100ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 5/18/2004 0:00 | 051804SK100ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 5/18/2004 0:00 | 051804SK100ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 5/18/2004 0:00 | 051804SK100ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 5/18/2004 0:00 | 051804SK100ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 5/18/2004 0:00 | 051804SK100ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 5/18/2004 0:00 | 051804SK100ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100A | 5/18/2004 0:00 | 051804SK100ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 5/18/2004 0:00 | 051804SK100ASW001 | Calcium | 3200 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 5/18/2004 0:00 | 051804SK100ASW001 | Calcium | 3020 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 5/18/2004 0:00 | 051804SK100ASW001 | Chloride | 0.751 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 5/18/2004 0:00 | 051804SK100ASW001 | Chromium | 0.281 | UG/L | BQ1 | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 5/18/2004 0:00 | 051804SK100ASW001 | Chromium | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 5/18/2004 0:00 | 051804SK100ASW001 | Cobalt | 0.0684 | UG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 5/18/2004 0:00 | 051804SK100ASW001 | Cobalt | 1.63 | UG/L | J+ | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 5/18/2004 0:00 | 051804SK100ASW001 | Copper | 0.869 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 5/18/2004 0:00 | 051804SK100ASW001 | Copper | 0.568 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 5/18/2004 0:00 | 051804SK100ASW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 5/18/2004 0:00 | 051804SK100ASW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 5/18/2004 0:00 | 051804SK100ASW001 | Fluoride | 0.032 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 5/18/2004 0:00 | 051804SK100ASW001 | Hardness as CaCO3 | 10.6 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 5/18/2004 0:00 | 051804SK100ASW001 | Hardness as CaCO3 | 10 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 5/18/2004 0:00 | 051804SK100ASW001 | Iron | 151 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 5/18/2004 0:00 | 051804SK100ASW001 | Iron | 60.7 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 5/18/2004 0:00 | 051804SK100ASW001 | Lead | 0.197 | UG/L | J,BQ1 | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 5/18/2004 0:00 | 051804SK100ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 5/18/2004 0:00 | 051804SK100ASW001 | Magnesium | 630 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 5/18/2004 0:00 | 051804SK100ASW001 | Magnesium | 605 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 5/18/2004 0:00 | 051804SK100ASW001 | Manganese | 4.3 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 5/18/2004 0:00 | 051804SK100ASW001 | Manganese | 6.01 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 5/18/2004 0:00 | 051804SK100ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 5/18/2004 0:00 | 051804SK100ASW001 | Molybdenum | 0.326 | UG/L | J | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 5/18/2004 0:00 | 051804SK100ASW001 | Nickel | 0.182 | UG/L | J,BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 5/18/2004 0:00 | 051804SK100ASW001 | Nickel | 0.268 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 5/18/2004 0:00 | 051804SK100ASW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 5/18/2004 0:00 | 051804SK100ASW001 | Nitrogen, Nitrate-Nitrite | 0.04 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100A | 5/18/2004 0:00 | 051804SK100ASW001 | pH | 6.8 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 5/18/2004 0:00 | 051804SK100ASW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 5/18/2004 0:00 | 051804SK100ASW001 | Potassium | 231 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 5/18/2004 0:00 | 051804SK100ASW001 | Potassium | 204 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 5/18/2004 0:00 | 051804SK100ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 5/18/2004 0:00 | 051804SK100ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 5/18/2004 0:00 | 051804SK100ASW001 | Silicon | 2950 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 5/18/2004 0:00 | 051804SK100ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 5/18/2004 0:00 | 051804SK100ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 5/18/2004 0:00 | 051804SK100ASW001 | Sodium | 1490 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 5/18/2004 0:00 | 051804SK100ASW001 | Sodium | 1520 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 5/18/2004 0:00 | 051804SK100ASW001 | Specific Conductance | 33 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 5/18/2004 0:00 | 051804SK100ASW001 | Sulfate | 3.12 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 5/18/2004 0:00 | 051804SK100ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 5/18/2004 0:00 | 051804SK100ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 5/18/2004 0:00 | 051804SK100ASW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 5/18/2004 0:00 | 051804SK100ASW001 | Tin | 2.63 | UG/L | BQ1 | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 5/18/2004 0:00 | 051804SK100ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 5/18/2004 0:00 | 051804SK100ASW001 | Total Dissolved Solids | 28.8 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 5/18/2004 0:00 | 051804SK100ASW001 | Total Suspended Solids | 2.2 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 5/18/2004 0:00 | 051804SK100ASW001 | Vanadium | 0.298 | UG/L | J,BQ1 | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 5/18/2004 0:00 | 051804SK100ASW001 | Vanadium | 0.417 | UG/L | BQ1 | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 5/18/2004 0:00 | 051804SK100ASW001 | Zinc | 2.18 | UG/L | BQ1 | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 5/18/2004 0:00 | 051804SK100ASW001 | Zinc | 2.71 | UG/L | BQ1,BQ | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 6/5/2004 0:00 | 060504SK100ASW001 | Alkalinity, Total | 15 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 6/15/2004 0:00 | 061504SK100ASW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 6/15/2004 0:00 | 061504SK100ASW001 | Alkalinity, Total | 28 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 6/15/2004 0:00 | 061504SK100ASW001 | Aluminum | 12.4 | UG/L | BQ1,J | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 6/15/2004 0:00 | 061504SK100ASW001 | Aluminum | 16.2 | UG/L | BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100A | 6/15/2004 0:00 | 061504SK100ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 6/15/2004 0:00 | 061504SK100ASW001 | Antimony | 0.294 | UG/L | J | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 6/15/2004 0:00 | 061504SK100ASW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 6/15/2004 0:00 | 061504SK100ASW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 6/15/2004 0:00 | 061504SK100ASW001 | Barium | 1.85 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 6/15/2004 0:00 | 061504SK100ASW001 | Barium | 1.88 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 6/15/2004 0:00 | 061504SK100ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 6/15/2004 0:00 | 061504SK100ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 6/15/2004 0:00 | 061504SK100ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 6/15/2004 0:00 | 061504SK100ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 6/15/2004 0:00 | 061504SK100ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 6/15/2004 0:00 | 061504SK100ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 6/15/2004 0:00 | 061504SK100ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 6/15/2004 0:00 | 061504SK100ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 6/15/2004 0:00 | 061504SK100ASW001 | Calcium | 4400 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 6/15/2004 0:00 | 061504SK100ASW001 | Calcium | 4360 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 6/15/2004 0:00 | 061504SK100ASW001 | Chloride | 0.939 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 6/15/2004 0:00 | 061504SK100ASW001 | Chromium | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 6/15/2004 0:00 | 061504SK100ASW001 | Chromium | 0.145 | UG/L | J | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 6/15/2004 0:00 | 061504SK100ASW001 | Cobalt | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 6/15/2004 0:00 | 061504SK100ASW001 | Cobalt | 2.54 | UG/L | BQ1,J | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 6/15/2004 0:00 | 061504SK100ASW001 | Copper | 0.513 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 6/15/2004 0:00 | 061504SK100ASW001 | Copper | 0.44 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 6/15/2004 0:00 | 061504SK100ASW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 6/15/2004 0:00 | 061504SK100ASW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 6/15/2004 0:00 | 061504SK100ASW001 | Fluoride | 0.054 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 6/15/2004 0:00 | 061504SK100ASW001 | Hardness as CaCO3 | 14.1 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 6/15/2004 0:00 | 061504SK100ASW001 | Hardness as CaCO3 | 14.2 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 6/15/2004 0:00 | 061504SK100ASW001 | Iron | 38.5 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100A | 6/15/2004 0:00 | 061504SK100ASW001 | Iron | 22.7 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 6/15/2004 0:00 | 061504SK100ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 6/15/2004 0:00 | 061504SK100ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 6/15/2004 0:00 | 061504SK100ASW001 | Magnesium | 770 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 6/15/2004 0:00 | 061504SK100ASW001 | Magnesium | 789 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 6/15/2004 0:00 | 061504SK100ASW001 | Manganese | 3.14 | UG/L | BQ1,J | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 6/15/2004 0:00 | 061504SK100ASW001 | Manganese | 6.25 | UG/L | BQ1,J | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 6/15/2004 0:00 | 061504SK100ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 6/15/2004 0:00 | 061504SK100ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 6/15/2004 0:00 | 061504SK100ASW001 | Nickel | 0.151 | UG/L | BQ1,J | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 6/15/2004 0:00 | 061504SK100ASW001 | Nickel | 0.306 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 6/15/2004 0:00 | 061504SK100ASW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 6/15/2004 0:00 | 061504SK100ASW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | R | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 6/15/2004 0:00 | 061504SK100ASW001 | pH | 7.13 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 6/15/2004 0:00 | 061504SK100ASW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 6/15/2004 0:00 | 061504SK100ASW001 | Potassium | 238 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 6/15/2004 0:00 | 061504SK100ASW001 | Potassium | 243 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 6/15/2004 0:00 | 061504SK100ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 6/15/2004 0:00 | 061504SK100ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 6/15/2004 0:00 | 061504SK100ASW001 | Silicon | 3620 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 6/15/2004 0:00 | 061504SK100ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 6/15/2004 0:00 | 061504SK100ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 6/15/2004 0:00 | 061504SK100ASW001 | Sodium | 1770 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 6/15/2004 0:00 | 061504SK100ASW001 | Sodium | 1850 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 6/15/2004 0:00 | 061504SK100ASW001 | Specific Conductance | 42 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 6/15/2004 0:00 | 061504SK100ASW001 | Sulfate | 4.01 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 6/15/2004 0:00 | 061504SK100ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 6/15/2004 0:00 | 061504SK100ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 6/15/2004 0:00 | 061504SK100ASW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100A | 6/15/2004 0:00 | 061504SK100ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 6/15/2004 0:00 | 061504SK100ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 6/15/2004 0:00 | 061504SK100ASW001 | Total Dissolved Solids | 33.8 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 6/15/2004 0:00 | 061504SK100ASW001 | Total Suspended Solids | 1.1 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 6/15/2004 0:00 | 061504SK100ASW001 | Vanadium | 0.301 | UG/L | J | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 6/15/2004 0:00 | 061504SK100ASW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 6/15/2004 0:00 | 061504SK100ASW001 | Zinc | 0.81 | UG/L | BQ1,J | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 6/15/2004 0:00 | 061504SK100ASW001 | Zinc | 1.45 | UG/L | BQ1,J | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 7/14/2004 0:00 | 071404SK100ASW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 7/14/2004 0:00 | 071404SK100ASW001 | Alkalinity, Total | 15.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 7/14/2004 0:00 | 071404SK100ASW001 | Aluminum | 55.2 | UG/L | BQ,BQ1 | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 7/14/2004 0:00 | 071404SK100ASW001 | Aluminum | 10.1 | UG/L | BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 7/14/2004 0:00 | 071404SK100ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 7/14/2004 0:00 | 071404SK100ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 7/14/2004 0:00 | 071404SK100ASW001 | Arsenic | 0.339 | UG/L | J | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 7/14/2004 0:00 | 071404SK100ASW001 | Arsenic | 0.302 | UG/L | J | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 7/14/2004 0:00 | 071404SK100ASW001 | Barium | 1.98 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 7/14/2004 0:00 | 071404SK100ASW001 | Barium | 2.26 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 7/14/2004 0:00 | 071404SK100ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 7/14/2004 0:00 | 071404SK100ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 7/14/2004 0:00 | 071404SK100ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 7/14/2004 0:00 | 071404SK100ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 7/14/2004 0:00 | 071404SK100ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 7/14/2004 0:00 | 071404SK100ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 7/14/2004 0:00 | 071404SK100ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 7/14/2004 0:00 | 071404SK100ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 7/14/2004 0:00 | 071404SK100ASW001 | Calcium | 4460 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 7/14/2004 0:00 | 071404SK100ASW001 | Calcium | 4780 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 7/14/2004 0:00 | 071404SK100ASW001 | Chloride | 0.866 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100A | 7/14/2004 0:00 | 071404SK100ASW001 | Chromium | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 7/14/2004 0:00 | 071404SK100ASW001 | Chromium | 0.193 | UG/L | BQ1,J | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 7/14/2004 0:00 | 071404SK100ASW001 | Cobalt | 0.681 | UG/L | BQ1,J | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 7/14/2004 0:00 | 071404SK100ASW001 | Cobalt | 0 | UG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 7/14/2004 0:00 | 071404SK100ASW001 | Copper | 0.521 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 7/14/2004 0:00 | 071404SK100ASW001 | Copper | 0.966 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 7/14/2004 0:00 | 071404SK100ASW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 7/14/2004 0:00 | 071404SK100ASW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 7/14/2004 0:00 | 071404SK100ASW001 | Fluoride | 0.045 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 7/14/2004 0:00 | 071404SK100ASW001 | Hardness as CaCO3 | 15.7 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 7/14/2004 0:00 | 071404SK100ASW001 | Hardness as CaCO3 | 14.8 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 7/14/2004 0:00 | 071404SK100ASW001 | Iron | 14.5 | UG/L | BQ1,J | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 7/14/2004 0:00 | 071404SK100ASW001 | Iron | 35.1 | UG/L | BQ1 | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 7/14/2004 0:00 | 071404SK100ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 7/14/2004 0:00 | 071404SK100ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 7/14/2004 0:00 | 071404SK100ASW001 | Magnesium | 879 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 7/14/2004 0:00 | 071404SK100ASW001 | Magnesium | 905 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 7/14/2004 0:00 | 071404SK100ASW001 | Manganese | 3.74 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 7/14/2004 0:00 | 071404SK100ASW001 | Manganese | 3.89 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 7/14/2004 0:00 | 071404SK100ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 7/14/2004 0:00 | 071404SK100ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 7/14/2004 0:00 | 071404SK100ASW001 | Nickel | 0.454 | UG/L | BQ1,J | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 7/14/2004 0:00 | 071404SK100ASW001 | Nickel | 0.218 | UG/L | BQ1,J | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 7/14/2004 0:00 | 071404SK100ASW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 7/14/2004 0:00 | 071404SK100ASW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | | 2 | 0.62 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 7/14/2004 0:00 | 071404SK100ASW001 | pH | 7.4 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 7/14/2004 0:00 | 071404SK100ASW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 7/14/2004 0:00 | 071404SK100ASW001 | Potassium | 296 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 7/14/2004 0:00 | 071404SK100ASW001 | Potassium | 321 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100A | 7/14/2004 0:00 | 071404SK100ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 7/14/2004 0:00 | 071404SK100ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 7/14/2004 0:00 | 071404SK100ASW001 | Silicon | 4750 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 7/14/2004 0:00 | 071404SK100ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 7/14/2004 0:00 | 071404SK100ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 7/14/2004 0:00 | 071404SK100ASW001 | Sodium | 2110 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 7/14/2004 0:00 | 071404SK100ASW001 | Sodium | 2170 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 7/14/2004 0:00 | 071404SK100ASW001 | Specific Conductance | 45 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 7/14/2004 0:00 | 071404SK100ASW001 | Sulfate | 3.77 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 7/14/2004 0:00 | 071404SK100ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 7/14/2004 0:00 | 071404SK100ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 7/14/2004 0:00 | 071404SK100ASW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 7/14/2004 0:00 | 071404SK100ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 7/14/2004 0:00 | 071404SK100ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 7/14/2004 0:00 | 071404SK100ASW001 | Total Dissolved Solids | 38.8 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 7/14/2004 0:00 | 071404SK100ASW001 | Total Suspended Solids | 1.4 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 7/14/2004 0:00 | 071404SK100ASW001 | Vanadium | 0.293 | UG/L | J | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 7/14/2004 0:00 | 071404SK100ASW001 | Vanadium | 0.313 | UG/L | J | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 7/14/2004 0:00 | 071404SK100ASW001 | Zinc | 1.42 | UG/L | BQ1,J | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 7/14/2004 0:00 | 071404SK100ASW001 | Zinc | 1.15 | UG/L | BQ1,J | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 4/28/2004 0:00 | 042804SK100BSW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 4/28/2004 0:00 | 042804SK100BSW001 | Alkalinity, Total | 16 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 4/28/2004 0:00 | 042804SK100BSW001 | Aluminum | 27.8 | UG/L | | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 4/28/2004 0:00 | 042804SK100BSW001 | Aluminum | 12.5 | UG/L | J, BQ1 | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 4/28/2004 0:00 | 042804SK100BSW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 4/28/2004 0:00 | 042804SK100BSW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 4/28/2004 0:00 | 042804SK100BSW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 4/28/2004 0:00 | 042804SK100BSW001 | Arsenic | 0.275 | UG/L | J | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 4/28/2004 0:00 | 042804SK100BSW001 | Barium | 2.6 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100B | 4/28/2004 0:00 | 042804SK100BSW001 | Barium | 2.3 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 4/28/2004 0:00 | 042804SK100BSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 4/28/2004 0:00 | 042804SK100BSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 4/28/2004 0:00 | 042804SK100BSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 4/28/2004 0:00 | 042804SK100BSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 4/28/2004 0:00 | 042804SK100BSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 4/28/2004 0:00 | 042804SK100BSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 4/28/2004 0:00 | 042804SK100BSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 4/28/2004 0:00 | 042804SK100BSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 4/28/2004 0:00 | 042804SK100BSW001 | Calcium | 5490 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 4/28/2004 0:00 | 042804SK100BSW001 | Calcium | 5550 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 4/28/2004 0:00 | 042804SK100BSW001 | Chloride | 0.895 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 4/28/2004 0:00 | 042804SK100BSW001 | Chromium | 0.195 | UG/L | J | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 4/28/2004 0:00 | 042804SK100BSW001 | Chromium | 0.149 | UG/L | J | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 4/28/2004 0:00 | 042804SK100BSW001 | Cobalt | 0.0335 | UG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 4/28/2004 0:00 | 042804SK100BSW001 | Cobalt | 0.228 | UG/L | J | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 4/28/2004 0:00 | 042804SK100BSW001 | Copper | 1.42 | UG/L | BQ | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 4/28/2004 0:00 | 042804SK100BSW001 | Copper | 0.582 | UG/L | BQ | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 4/28/2004 0:00 | 042804SK100BSW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 4/28/2004 0:00 | 042804SK100BSW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 4/28/2004 0:00 | 042804SK100BSW001 | Fluoride | 0.045 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 4/28/2004 0:00 | 042804SK100BSW001 | Hardness as CaCO3 | 17.7 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 4/28/2004 0:00 | 042804SK100BSW001 | Hardness as CaCO3 | 17.9 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 4/28/2004 0:00 | 042804SK100BSW001 | Iron | 82.8 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 4/28/2004 0:00 | 042804SK100BSW001 | Iron | 59.6 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 4/28/2004 0:00 | 042804SK100BSW001 | Lead | 0.366 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 4/28/2004 0:00 | 042804SK100BSW001 | Lead | 0.241 | UG/L | BQ1 | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 4/28/2004 0:00 | 042804SK100BSW001 | Magnesium | 984 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 4/28/2004 0:00 | 042804SK100BSW001 | Magnesium | 976 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100B | 4/28/2004 0:00 | 042804SK100BSW001 | Manganese | 5.34 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 4/28/2004 0:00 | 042804SK100BSW001 | Manganese | 4.56 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 4/28/2004 0:00 | 042804SK100BSW001 | Molybdenum | 0.502 | UG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 4/28/2004 0:00 | 042804SK100BSW001 | Molybdenum | 0.493 | UG/L | J | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 4/28/2004 0:00 | 042804SK100BSW001 | Nickel | 0.248 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 4/28/2004 0:00 | 042804SK100BSW001 | Nickel | 0.214 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 4/28/2004 0:00 | 042804SK100BSW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 4/28/2004 0:00 | 042804SK100BSW001 | Nitrogen, Nitrate-Nitrite | 0.113 | MG/L | J- | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 4/28/2004 0:00 | 042804SK100BSW001 | pH | 6.8 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 4/28/2004 0:00 | 042804SK100BSW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 4/28/2004 0:00 | 042804SK100BSW001 | Potassium | 286 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 4/28/2004 0:00 | 042804SK100BSW001 | Potassium | 289 | UG/L | BQ1 | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 4/28/2004 0:00 | 042804SK100BSW001 | Selenium | 0.314 | UG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 4/28/2004 0:00 | 042804SK100BSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 4/28/2004 0:00 | 042804SK100BSW001 | Silicon | 4830 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 4/28/2004 0:00 | 042804SK100BSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 4/28/2004 0:00 | 042804SK100BSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 4/28/2004 0:00 | 042804SK100BSW001 | Sodium | 1850 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 4/28/2004 0:00 | 042804SK100BSW001 | Sodium | 1950 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 4/28/2004 0:00 | 042804SK100BSW001 | Specific Conductance | 48 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 4/28/2004 0:00 | 042804SK100BSW001 | Sulfate | 5.17 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 4/28/2004 0:00 | 042804SK100BSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 4/28/2004 0:00 | 042804SK100BSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 4/28/2004 0:00 | 042804SK100BSW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 4/28/2004 0:00 | 042804SK100BSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 4/28/2004 0:00 | 042804SK100BSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 4/28/2004 0:00 | 042804SK100BSW001 | Total Dissolved Solids | 55 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 4/28/2004 0:00 | 042804SK100BSW001 | Total Suspended Solids | 1.11 | MG/L | | 0.505 | 0.152 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 4/28/2004 0:00 | 042804SK100BSW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100B | 4/28/2004 0:00 | 042804SK100BSW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 4/28/2004 0:00 | 042804SK100BSW001 | Zinc | 3.31 | UG/L | BQ | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 4/28/2004 0:00 | 042804SK100BSW001 | Zinc | 3.21 | UG/L | BQ | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 5/18/2004 0:00 | 051804SK100BSW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 5/18/2004 0:00 | 051804SK100BSW001 | Alkalinity, Total | 9.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 5/18/2004 0:00 | 051804SK100BSW001 | Aluminum | 96.5 | UG/L | | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 5/18/2004 0:00 | 051804SK100BSW001 | Aluminum | 20.5 | UG/L | J,BQ | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 5/18/2004 0:00 | 051804SK100BSW001 | Antimony | 0.341 | UG/L | BQ | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 5/18/2004 0:00 | 051804SK100BSW001 | Antimony | 0.122 | UG/L | BQ1,BQ | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 5/18/2004 0:00 | 051804SK100BSW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 5/18/2004 0:00 | 051804SK100BSW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 5/18/2004 0:00 | 051804SK100BSW001 | Barium | 2.13 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 5/18/2004 0:00 | 051804SK100BSW001 | Barium | 2.57 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 5/18/2004 0:00 | 051804SK100BSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 5/18/2004 0:00 | 051804SK100BSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 5/18/2004 0:00 | 051804SK100BSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 5/18/2004 0:00 | 051804SK100BSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 5/18/2004 0:00 | 051804SK100BSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 5/18/2004 0:00 | 051804SK100BSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 5/18/2004 0:00 | 051804SK100BSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 5/18/2004 0:00 | 051804SK100BSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 5/18/2004 0:00 | 051804SK100BSW001 | Calcium | 3160 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 5/18/2004 0:00 | 051804SK100BSW001 | Calcium | 3260 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 5/18/2004 0:00 | 051804SK100BSW001 | Chloride | 0.7 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 5/18/2004 0:00 | 051804SK100BSW001 | Chromium | 0.122 | UG/L | J,BQ1 | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 5/18/2004 0:00 | 051804SK100BSW001 | Chromium | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 5/18/2004 0:00 | 051804SK100BSW001 | Cobalt | 0.0675 | UG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 5/18/2004 0:00 | 051804SK100BSW001 | Cobalt | 2.12 | UG/L | J+ | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 5/18/2004 0:00 | 051804SK100BSW001 | Copper | 1.14 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100B | 5/18/2004 0:00 | 051804SK100BSW001 | Copper | 0.784 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 5/18/2004 0:00 | 051804SK100BSW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 5/18/2004 0:00 | 051804SK100BSW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 5/18/2004 0:00 | 051804SK100BSW001 | Fluoride | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 5/18/2004 0:00 | 051804SK100BSW001 | Hardness as CaCO3 | 10.3 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 5/18/2004 0:00 | 051804SK100BSW001 | Hardness as CaCO3 | 10.4 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 5/18/2004 0:00 | 051804SK100BSW001 | Iron | 256 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 5/18/2004 0:00 | 051804SK100BSW001 | Iron | 74 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 5/18/2004 0:00 | 051804SK100BSW001 | Lead | 0.14 | UG/L | J,BQ1 | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 5/18/2004 0:00 | 051804SK100BSW001 | Lead | 0.123 | UG/L | J,BQ1 | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 5/18/2004 0:00 | 051804SK100BSW001 | Magnesium | 582 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 5/18/2004 0:00 | 051804SK100BSW001 | Magnesium | 539 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 5/18/2004 0:00 | 051804SK100BSW001 | Manganese | 10.1 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 5/18/2004 0:00 | 051804SK100BSW001 | Manganese | 7.09 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 5/18/2004 0:00 | 051804SK100BSW001 | Molybdenum | 0.444 | UG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 5/18/2004 0:00 | 051804SK100BSW001 | Molybdenum | 0.37 | UG/L | J | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 5/18/2004 0:00 | 051804SK100BSW001 | Nickel | 0.186 | UG/L | J,BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 5/18/2004 0:00 | 051804SK100BSW001 | Nickel | 0.339 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 5/18/2004 0:00 | 051804SK100BSW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 5/18/2004 0:00 | 051804SK100BSW001 | Nitrogen, Nitrate-Nitrite | 0.103 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 5/18/2004 0:00 | 051804SK100BSW001 | pH | 6.7 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 5/18/2004 0:00 | 051804SK100BSW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 5/18/2004 0:00 | 051804SK100BSW001 | Potassium | 210 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 5/18/2004 0:00 | 051804SK100BSW001 | Potassium | 216 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 5/18/2004 0:00 | 051804SK100BSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 5/18/2004 0:00 | 051804SK100BSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 5/18/2004 0:00 | 051804SK100BSW001 | Silicon | 2930 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 5/18/2004 0:00 | 051804SK100BSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 5/18/2004 0:00 | 051804SK100BSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100B | 5/18/2004 0:00 | 051804SK100BSW001 | Sodium | 1330 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 5/18/2004 0:00 | 051804SK100BSW001 | Sodium | 1260 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 5/18/2004 0:00 | 051804SK100BSW001 | Specific Conductance | 32 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 5/18/2004 0:00 | 051804SK100BSW001 | Sulfate | 3.71 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 5/18/2004 0:00 | 051804SK100BSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 5/18/2004 0:00 | 051804SK100BSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 5/18/2004 0:00 | 051804SK100BSW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 5/18/2004 0:00 | 051804SK100BSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 5/18/2004 0:00 | 051804SK100BSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 5/18/2004 0:00 | 051804SK100BSW001 | Total Dissolved Solids | 40 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 5/18/2004 0:00 | 051804SK100BSW001 | Total Suspended Solids | 2.87 | MG/L | | 0.513 | 0.154 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 5/18/2004 0:00 | 051804SK100BSW001 | Vanadium | 0.347 | UG/L | J,BQ1 | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 5/18/2004 0:00 | 051804SK100BSW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 5/18/2004 0:00 | 051804SK100BSW001 | Zinc | 3.44 | UG/L | BQ1 | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 5/18/2004 0:00 | 051804SK100BSW001 | Zinc | 3.71 | UG/L | BQ1 | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 6/4/2004 0:00 | 060404SK100BSW001 | Alkalinity, Total | 13.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 6/15/2004 0:00 | 061504SK100BSW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 6/15/2004 0:00 | 061504SK100BSW001 | Alkalinity, Total | 16 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 6/15/2004 0:00 | 061504SK100BSW001 | Aluminum | 29 | UG/L | BQ1 | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 6/15/2004 0:00 | 061504SK100BSW001 | Aluminum | 14.7 | UG/L | BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 6/15/2004 0:00 | 061504SK100BSW001 | Antimony | 0.213 | UG/L | | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 6/15/2004 0:00 | 061504SK100BSW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 6/15/2004 0:00 | 061504SK100BSW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 6/15/2004 0:00 | 061504SK100BSW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 6/15/2004 0:00 | 061504SK100BSW001 | Barium | 2.21 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 6/15/2004 0:00 | 061504SK100BSW001 | Barium | 2.1 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 6/15/2004 0:00 | 061504SK100BSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 6/15/2004 0:00 | 061504SK100BSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 6/15/2004 0:00 | 061504SK100BSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100B | 6/15/2004 0:00 | 061504SK100BSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 6/15/2004 0:00 | 061504SK100BSW001 | Boron | 3.42 | UG/L | BQ,J | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 6/15/2004 0:00 | 061504SK100BSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 6/15/2004 0:00 | 061504SK100BSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 6/15/2004 0:00 | 061504SK100BSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 6/15/2004 0:00 | 061504SK100BSW001 | Calcium | 4660 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 6/15/2004 0:00 | 061504SK100BSW001 | Calcium | 4930 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 6/15/2004 0:00 | 061504SK100BSW001 | Chloride | 0.756 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 6/15/2004 0:00 | 061504SK100BSW001 | Chromium | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 6/15/2004 0:00 | 061504SK100BSW001 | Chromium | 0.193 | UG/L | J | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 6/15/2004 0:00 | 061504SK100BSW001 | Cobalt | 0.0362 | UG/L | BQ1,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 6/15/2004 0:00 | 061504SK100BSW001 | Cobalt | 2.35 | UG/L | BQ1,J | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 6/15/2004 0:00 | 061504SK100BSW001 | Copper | 0.708 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 6/15/2004 0:00 | 061504SK100BSW001 | Copper | 0.597 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 6/15/2004 0:00 | 061504SK100BSW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 6/15/2004 0:00 | 061504SK100BSW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 6/15/2004 0:00 | 061504SK100BSW001 | Fluoride | 0.034 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 6/15/2004 0:00 | 061504SK100BSW001 | Hardness as CaCO3 | 14.9 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 6/15/2004 0:00 | 061504SK100BSW001 | Hardness as CaCO3 | 15.6 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 6/15/2004 0:00 | 061504SK100BSW001 | Iron | 83.9 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 6/15/2004 0:00 | 061504SK100BSW001 | Iron | 41.9 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 6/15/2004 0:00 | 061504SK100BSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 6/15/2004 0:00 | 061504SK100BSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 6/15/2004 0:00 | 061504SK100BSW001 | Magnesium | 784 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 6/15/2004 0:00 | 061504SK100BSW001 | Magnesium | 800 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 6/15/2004 0:00 | 061504SK100BSW001 | Manganese | 6.27 | UG/L | BQ1,J | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 6/15/2004 0:00 | 061504SK100BSW001 | Manganese | 8.63 | UG/L | BQ1,J | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 6/15/2004 0:00 | 061504SK100BSW001 | Molybdenum | 0.401 | UG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 6/15/2004 0:00 | 061504SK100BSW001 | Molybdenum | 0.357 | UG/L | J | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100B | 6/15/2004 0:00 | 061504SK100BSW001 | Nickel | 0.16 | UG/L | BQ1,J | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 6/15/2004 0:00 | 061504SK100BSW001 | Nickel | 0.28 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 6/15/2004 0:00 | 061504SK100BSW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 6/15/2004 0:00 | 061504SK100BSW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | R | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 6/15/2004 0:00 | 061504SK100BSW001 | pH | 7.19 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 6/15/2004 0:00 | 061504SK100BSW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 6/15/2004 0:00 | 061504SK100BSW001 | Potassium | 236 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 6/15/2004 0:00 | 061504SK100BSW001 | Potassium | 247 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 6/15/2004 0:00 | 061504SK100BSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 6/15/2004 0:00 | 061504SK100BSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 6/15/2004 0:00 | 061504SK100BSW001 | Silicon | 3310 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 6/15/2004 0:00 | 061504SK100BSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 6/15/2004 0:00 | 061504SK100BSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 6/15/2004 0:00 | 061504SK100BSW001 | Sodium | 1750 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 6/15/2004 0:00 | 061504SK100BSW001 | Sodium | 1830 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 6/15/2004 0:00 | 061504SK100BSW001 | Specific Conductance | 50 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 6/15/2004 0:00 | 061504SK100BSW001 | Sulfate | 5.39 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 6/15/2004 0:00 | 061504SK100BSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 6/15/2004 0:00 | 061504SK100BSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 6/15/2004 0:00 | 061504SK100BSW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 6/15/2004 0:00 | 061504SK100BSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 6/15/2004 0:00 | 061504SK100BSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 6/15/2004 0:00 | 061504SK100BSW001 | Total Dissolved Solids | 27.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 6/15/2004 0:00 | 061504SK100BSW001 | Total Suspended Solids | 1.95 | MG/L | | 0.513 | 0.154 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 6/15/2004 0:00 | 061504SK100BSW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 6/15/2004 0:00 | 061504SK100BSW001 | Vanadium | 0.297 | UG/L | J | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 6/15/2004 0:00 | 061504SK100BSW001 | Zinc | 1.23 | UG/L | BQ1,J | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 6/15/2004 0:00 | 061504SK100BSW001 | Zinc | 1.26 | UG/L | BQ1,J | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 7/14/2004 0:00 | 071404SK100BSW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100B | 7/14/2004 0:00 | 071404SK100BSW001 | Alkalinity, Total | 35.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 7/14/2004 0:00 | 071404SK100BSW001 | Aluminum | 42.7 | UG/L | BQ,BQ1 | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 7/14/2004 0:00 | 071404SK100BSW001 | Aluminum | 13.3 | UG/L | BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 7/14/2004 0:00 | 071404SK100BSW001 | Antimony | 0.991 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 7/14/2004 0:00 | 071404SK100BSW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 7/14/2004 0:00 | 071404SK100BSW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 7/14/2004 0:00 | 071404SK100BSW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 7/14/2004 0:00 | 071404SK100BSW001 | Barium | 2.26 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 7/14/2004 0:00 | 071404SK100BSW001 | Barium | 1.98 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 7/14/2004 0:00 | 071404SK100BSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 7/14/2004 0:00 | 071404SK100BSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 7/14/2004 0:00 | 071404SK100BSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 7/14/2004 0:00 | 071404SK100BSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 7/14/2004 0:00 | 071404SK100BSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 7/14/2004 0:00 | 071404SK100BSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 7/14/2004 0:00 | 071404SK100BSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 7/14/2004 0:00 | 071404SK100BSW001 | Cadmium | 0.0488 | UG/L | BQ1,J | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 7/14/2004 0:00 | 071404SK100BSW001 | Calcium | 5320 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 7/14/2004 0:00 | 071404SK100BSW001 | Calcium | 5250 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 7/14/2004 0:00 | 071404SK100BSW001 | Chloride | 0.814 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 7/14/2004 0:00 | 071404SK100BSW001 | Chromium | 0.14 | UG/L | BQ1,J | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 7/14/2004 0:00 | 071404SK100BSW001 | Chromium | 0.193 | UG/L | BQ1,J | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 7/14/2004 0:00 | 071404SK100BSW001 | Cobalt | 0 | UG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 7/14/2004 0:00 | 071404SK100BSW001 | Cobalt | 0.15 | UG/L | BQ1,J | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 7/14/2004 0:00 | 071404SK100BSW001 | Copper | 0.983 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 7/14/2004 0:00 | 071404SK100BSW001 | Copper | 0.391 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 7/14/2004 0:00 | 071404SK100BSW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 7/14/2004 0:00 | 071404SK100BSW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 7/14/2004 0:00 | 071404SK100BSW001 | Fluoride | 0.049 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100B | 7/14/2004 0:00 | 071404SK100BSW001 | Hardness as CaCO3 | 17 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 7/14/2004 0:00 | 071404SK100BSW001 | Hardness as CaCO3 | 17.2 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 7/14/2004 0:00 | 071404SK100BSW001 | Iron | 49.8 | UG/L | BQ1 | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 7/14/2004 0:00 | 071404SK100BSW001 | Iron | 26.4 | UG/L | BQ1 | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 7/14/2004 0:00 | 071404SK100BSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 7/14/2004 0:00 | 071404SK100BSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 7/14/2004 0:00 | 071404SK100BSW001 | Magnesium | 898 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 7/14/2004 0:00 | 071404SK100BSW001 | Magnesium | 984 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 7/14/2004 0:00 | 071404SK100BSW001 | Manganese | 5.14 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 7/14/2004 0:00 | 071404SK100BSW001 | Manganese | 5.05 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 7/14/2004 0:00 | 071404SK100BSW001 | Molybdenum | 0.373 | UG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 7/14/2004 0:00 | 071404SK100BSW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 7/14/2004 0:00 | 071404SK100BSW001 | Nickel | 0.194 | UG/L | BQ1,J | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 7/14/2004 0:00 | 071404SK100BSW001 | Nickel | 0.283 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 7/14/2004 0:00 | 071404SK100BSW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 7/14/2004 0:00 | 071404SK100BSW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | | 2 | 0.62 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 7/14/2004 0:00 | 071404SK100BSW001 | pH | 7.4 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 7/14/2004 0:00 | 071404SK100BSW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 7/14/2004 0:00 | 071404SK100BSW001 | Potassium | 290 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 7/14/2004 0:00 | 071404SK100BSW001 | Potassium | 272 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 7/14/2004 0:00 | 071404SK100BSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 7/14/2004 0:00 | 071404SK100BSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 7/14/2004 0:00 | 071404SK100BSW001 | Silicon | 4270 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 7/14/2004 0:00 | 071404SK100BSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 7/14/2004 0:00 | 071404SK100BSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 7/14/2004 0:00 | 071404SK100BSW001 | Sodium | 2080 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 7/14/2004 0:00 | 071404SK100BSW001 | Sodium | 1970 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 7/14/2004 0:00 | 071404SK100BSW001 | Specific Conductance | 47 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 7/14/2004 0:00 | 071404SK100BSW001 | Sulfate | 5.61 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100B | 7/14/2004 0:00 | 071404SK100BSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 7/14/2004 0:00 | 071404SK100BSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 7/14/2004 0:00 | 071404SK100BSW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 7/14/2004 0:00 | 071404SK100BSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 7/14/2004 0:00 | 071404SK100BSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 7/14/2004 0:00 | 071404SK100BSW001 | Total Dissolved Solids | 0 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 7/14/2004 0:00 | 071404SK100BSW001 | Total Suspended Solids | 0.9 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 7/14/2004 0:00 | 071404SK100BSW001 | Vanadium | 0.457 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 7/14/2004 0:00 | 071404SK100BSW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 7/14/2004 0:00 | 071404SK100BSW001 | Zinc | 1.4 | UG/L | BQ1,J | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 7/14/2004 0:00 | 071404SK100BSW001 | Zinc | 1.12 | UG/L | BQ1,J | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 4/28/2004 0:00 | 042804SK100CSW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 4/28/2004 0:00 | 042804SK100CSW001 | Alkalinity, Total | 8.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 4/28/2004 0:00 | 042804SK100CSW001 | Aluminum | 0 | UG/L | | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 4/28/2004 0:00 | 042804SK100CSW001 | Aluminum | 9.59 | UG/L | J | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 4/28/2004 0:00 | 042804SK100CSW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 4/28/2004 0:00 | 042804SK100CSW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 4/28/2004 0:00 | 042804SK100CSW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 4/28/2004 0:00 | 042804SK100CSW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 4/28/2004 0:00 | 042804SK100CSW001 | Barium | 1.75 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 4/28/2004 0:00 | 042804SK100CSW001 | Barium | 1.69 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 4/28/2004 0:00 | 042804SK100CSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 4/28/2004 0:00 | 042804SK100CSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 4/28/2004 0:00 | 042804SK100CSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 4/28/2004 0:00 | 042804SK100CSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 4/28/2004 0:00 | 042804SK100CSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 4/28/2004 0:00 | 042804SK100CSW001 | Boron | 3.29 | UG/L | J, BQ | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 4/28/2004 0:00 | 042804SK100CSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 4/28/2004 0:00 | 042804SK100CSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100C | 4/28/2004 0:00 | 042804SK100CSW001 | Calcium | 3540 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 4/28/2004 0:00 | 042804SK100CSW001 | Calcium | 3500 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 4/28/2004 0:00 | 042804SK100CSW001 | Chloride | 0.843 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 4/28/2004 0:00 | 042804SK100CSW001 | Chromium | 0.131 | UG/L | J | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 4/28/2004 0:00 | 042804SK100CSW001 | Chromium | 0.153 | UG/L | J | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 4/28/2004 0:00 | 042804SK100CSW001 | Cobalt | 0.215 | UG/L | J | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 4/28/2004 0:00 | 042804SK100CSW001 | Cobalt | 0 | UG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 4/28/2004 0:00 | 042804SK100CSW001 | Copper | 0.551 | UG/L | BQ | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 4/28/2004 0:00 | 042804SK100CSW001 | Copper | 0.645 | UG/L | BQ | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 4/28/2004 0:00 | 042804SK100CSW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 4/28/2004 0:00 | 042804SK100CSW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 4/28/2004 0:00 | 042804SK100CSW001 | Fluoride | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 4/28/2004 0:00 | 042804SK100CSW001 | Hardness as CaCO3 | 10.7 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 4/28/2004 0:00 | 042804SK100CSW001 | Hardness as CaCO3 | 10.8 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 4/28/2004 0:00 | 042804SK100CSW001 | Iron | 24 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 4/28/2004 0:00 | 042804SK100CSW001 | Iron | 24.5 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 4/28/2004 0:00 | 042804SK100CSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 4/28/2004 0:00 | 042804SK100CSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 4/28/2004 0:00 | 042804SK100CSW001 | Magnesium | 486 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 4/28/2004 0:00 | 042804SK100CSW001 | Magnesium | 468 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 4/28/2004 0:00 | 042804SK100CSW001 | Manganese | 4.03 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 4/28/2004 0:00 | 042804SK100CSW001 | Manganese | 3.79 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 4/28/2004 0:00 | 042804SK100CSW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 4/28/2004 0:00 | 042804SK100CSW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 4/28/2004 0:00 | 042804SK100CSW001 | Nickel | 0.194 | UG/L | J | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 4/28/2004 0:00 | 042804SK100CSW001 | Nickel | 0.141 | UG/L | J | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 4/28/2004 0:00 | 042804SK100CSW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 4/28/2004 0:00 | 042804SK100CSW001 | Nitrogen, Nitrate-Nitrite | 0.198 | MG/L | J- | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 4/28/2004 0:00 | 042804SK100CSW001 | pH | 6.6 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100C | 4/28/2004 0:00 | 042804SK100CSW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 4/28/2004 0:00 | 042804SK100CSW001 | Potassium | 199 | UG/L | BQ1 | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 4/28/2004 0:00 | 042804SK100CSW001 | Potassium | 213 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 4/28/2004 0:00 | 042804SK100CSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 4/28/2004 0:00 | 042804SK100CSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 4/28/2004 0:00 | 042804SK100CSW001 | Silicon | 4000 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 4/28/2004 0:00 | 042804SK100CSW001 | Silver | 0.116 | UG/L | J | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 4/28/2004 0:00 | 042804SK100CSW001 | Silver | 0 | UG/L | J | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 4/28/2004 0:00 | 042804SK100CSW001 | Sodium | 1530 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 4/28/2004 0:00 | 042804SK100CSW001 | Sodium | 1620 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 4/28/2004 0:00 | 042804SK100CSW001 | Specific Conductance | 32 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 4/28/2004 0:00 | 042804SK100CSW001 | Sulfate | 3.55 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 4/28/2004 0:00 | 042804SK100CSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 4/28/2004 0:00 | 042804SK100CSW001 | Thallium | 0.0405 | UG/L | J | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 4/28/2004 0:00 | 042804SK100CSW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 4/28/2004 0:00 | 042804SK100CSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 4/28/2004 0:00 | 042804SK100CSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 4/28/2004 0:00 | 042804SK100CSW001 | Total Dissolved Solids | 37.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 4/28/2004 0:00 | 042804SK100CSW001 | Total Suspended Solids | 0 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 4/28/2004 0:00 | 042804SK100CSW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 4/28/2004 0:00 | 042804SK100CSW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 4/28/2004 0:00 | 042804SK100CSW001 | Zinc | 2.11 | UG/L | BQ | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 4/28/2004 0:00 | 042804SK100CSW001 | Zinc | 2.78 | UG/L | BQ | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 5/18/2004 0:00 | 051804SK100CSW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 5/18/2004 0:00 | 051804SK100CSW001 | Alkalinity, Total | 7.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 5/18/2004 0:00 | 051804SK100CSW001 | Aluminum | 150 | UG/L | | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 5/18/2004 0:00 | 051804SK100CSW001 | Aluminum | 0 | UG/L | | 62.5 | 19.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 5/18/2004 0:00 | 051804SK100CSW001 | Antimony | 0.455 | UG/L | BQ1,BQ | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 5/18/2004 0:00 | 051804SK100CSW001 | Antimony | 0 | UG/L | | 0.5 | 0.193 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100C | 5/18/2004 0:00 | 051804SK100CSW001 | Arsenic | 0.39 | UG/L | J,BQ1 | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 5/18/2004 0:00 | 051804SK100CSW001 | Arsenic | 0 | UG/L | | 1.25 | 0.625 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 5/18/2004 0:00 | 051804SK100CSW001 | Barium | 3.66 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 5/18/2004 0:00 | 051804SK100CSW001 | Barium | 2.7 | UG/L | | 0.75 | 0.235 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 5/18/2004 0:00 | 051804SK100CSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 5/18/2004 0:00 | 051804SK100CSW001 | Beryllium | 0 | UG/L | | 0.075 | 0.0375 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 5/18/2004 0:00 | 051804SK100CSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 5/18/2004 0:00 | 051804SK100CSW001 | Bismuth | 0 | UG/L | | 12.5 | 3.75 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 5/18/2004 0:00 | 051804SK100CSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 5/18/2004 0:00 | 051804SK100CSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 5/18/2004 0:00 | 051804SK100CSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 5/18/2004 0:00 | 051804SK100CSW001 | Cadmium | 0 | UG/L | | 0.25 | 0.0775 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 5/18/2004 0:00 | 051804SK100CSW001 | Calcium | 3210 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 5/18/2004 0:00 | 051804SK100CSW001 | Calcium | 3200 | UG/L | | 125 | 37.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 5/18/2004 0:00 | 051804SK100CSW001 | Chloride | 0.642 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 5/18/2004 0:00 | 051804SK100CSW001 | Chromium | 0.146 | UG/L | J,BQ1 | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 5/18/2004 0:00 | 051804SK100CSW001 | Chromium | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 5/18/2004 0:00 | 051804SK100CSW001 | Cobalt | 0.118 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 5/18/2004 0:00 | 051804SK100CSW001 | Cobalt | 2.19 | UG/L | J+ | 0.25 | 0.0775 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 5/18/2004 0:00 | 051804SK100CSW001 | Copper | 2.26 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 5/18/2004 0:00 | 051804SK100CSW001 | Copper | 1.46 | UG/L | BQ1 | 0.5 | 0.155 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 5/18/2004 0:00 | 051804SK100CSW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 5/18/2004 0:00 | 051804SK100CSW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 5/18/2004 0:00 | 051804SK100CSW001 | Fluoride | 0.041 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 5/18/2004 0:00 | 051804SK100CSW001 | Hardness as CaCO3 | 10.5 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 5/18/2004 0:00 | 051804SK100CSW001 | Hardness as CaCO3 | 10.5 | MG/L | | 1.25 | 1.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 5/18/2004 0:00 | 051804SK100CSW001 | Iron | 104 | UG/L | | 50 | 15.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 5/18/2004 0:00 | 051804SK100CSW001 | Iron | 530 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 5/18/2004 0:00 | 051804SK100CSW001 | Lead | 0.293 | UG/L | BQ1 | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100C | 5/18/2004 0:00 | 051804SK100CSW001 | Lead | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 5/18/2004 0:00 | 051804SK100CSW001 | Magnesium | 606 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 5/18/2004 0:00 | 051804SK100CSW001 | Magnesium | 603 | UG/L | | 50 | 15.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 5/18/2004 0:00 | 051804SK100CSW001 | Manganese | 20.6 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 5/18/2004 0:00 | 051804SK100CSW001 | Manganese | 10.6 | UG/L | | 2.5 | 1.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 5/18/2004 0:00 | 051804SK100CSW001 | Molybdenum | 0.379 | UG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 5/18/2004 0:00 | 051804SK100CSW001 | Molybdenum | 0 | UG/L | | 2.5 | 0.775 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 5/18/2004 0:00 | 051804SK100CSW001 | Nickel | 0.331 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 5/18/2004 0:00 | 051804SK100CSW001 | Nickel | 0.439 | UG/L | J,BQ1 | 0.5 | 0.155 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 5/18/2004 0:00 | 051804SK100CSW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 5/18/2004 0:00 | 051804SK100CSW001 | Nitrogen, Nitrate-Nitrite | 0.119 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 5/18/2004 0:00 | 051804SK100CSW001 | pH | 6.7 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 5/18/2004 0:00 | 051804SK100CSW001 | Phosphorus, Total (as P) | 0.033 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 5/18/2004 0:00 | 051804SK100CSW001 | Potassium | 292 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 5/18/2004 0:00 | 051804SK100CSW001 | Potassium | 303 | UG/L | | 125 | 37.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 5/18/2004 0:00 | 051804SK100CSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 5/18/2004 0:00 | 051804SK100CSW001 | Selenium | 0 | UG/L | | 2.5 | 0.775 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 5/18/2004 0:00 | 051804SK100CSW001 | Silicon | 2580 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 5/18/2004 0:00 | 051804SK100CSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 5/18/2004 0:00 | 051804SK100CSW001 | Silver | 0 | UG/L | | 0.05 | 0.0155 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 5/18/2004 0:00 | 051804SK100CSW001 | Sodium | 1250 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 5/18/2004 0:00 | 051804SK100CSW001 | Sodium | 1400 | UG/L | | 250 | 77.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 5/18/2004 0:00 | 051804SK100CSW001 | Specific Conductance | 32 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 5/18/2004 0:00 | 051804SK100CSW001 | Sulfate | 4.43 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 5/18/2004 0:00 | 051804SK100CSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 5/18/2004 0:00 | 051804SK100CSW001 | Thallium | 0 | UG/L | | 0.125 | 0.0625 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 5/18/2004 0:00 | 051804SK100CSW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 5/18/2004 0:00 | 051804SK100CSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 5/18/2004 0:00 | 051804SK100CSW001 | Tin | 0 | UG/L | | 2.5 | 0.775 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100C | 5/18/2004 0:00 | 051804SK100CSW001 | Total Dissolved Solids | 28.9 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 5/18/2004 0:00 | 051804SK100CSW001 | Total Suspended Solids | 4.9 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 5/18/2004 0:00 | 051804SK100CSW001 | Vanadium | 0.708 | UG/L | BQ1 | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 5/18/2004 0:00 | 051804SK100CSW001 | Vanadium | 0 | UG/L | | 1 | 0.625 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 5/18/2004 0:00 | 051804SK100CSW001 | Zinc | 5.09 | UG/L | BQ1 | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 5/18/2004 0:00 | 051804SK100CSW001 | Zinc | 3.89 | UG/L | BQ1 | 3.75 | 1.18 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 6/3/2004 0:00 | 060304SK100CSW001 | Alkalinity, Total | 11 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 6/15/2004 0:00 | 061504SK100CSW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 6/15/2004 0:00 | 061504SK100CSW001 | Alkalinity, Total | 15.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 6/15/2004 0:00 | 061504SK100CSW001 | Aluminum | 39.4 | UG/L | BQ | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 6/15/2004 0:00 | 061504SK100CSW001 | Aluminum | 9.9 | UG/L | BQ,BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 6/15/2004 0:00 | 061504SK100CSW001 | Antimony | 0.551 | UG/L | J | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 6/15/2004 0:00 | 061504SK100CSW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 6/15/2004 0:00 | 061504SK100CSW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 6/15/2004 0:00 | 061504SK100CSW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 6/15/2004 0:00 | 061504SK100CSW001 | Barium | 2.18 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 6/15/2004 0:00 | 061504SK100CSW001 | Barium | 1.85 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 6/15/2004 0:00 | 061504SK100CSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 6/15/2004 0:00 | 061504SK100CSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 6/15/2004 0:00 | 061504SK100CSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 6/15/2004 0:00 | 061504SK100CSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 6/15/2004 0:00 | 061504SK100CSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 6/15/2004 0:00 | 061504SK100CSW001 | Boron | 3.21 | UG/L | J | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 6/15/2004 0:00 | 061504SK100CSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 6/15/2004 0:00 | 061504SK100CSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 6/15/2004 0:00 | 061504SK100CSW001 | Calcium | 5020 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 6/15/2004 0:00 | 061504SK100CSW001 | Calcium | 4920 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 6/15/2004 0:00 | 061504SK100CSW001 | Chloride | 0.64 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 6/15/2004 0:00 | 061504SK100CSW001 | Chromium | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100C | 6/15/2004 0:00 | 061504SK100CSW001 | Chromium | 0.133 | UG/L | J | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 6/15/2004 0:00 | 061504SK100CSW001 | Cobalt | 0.0545 | UG/L | BQ1,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 6/15/2004 0:00 | 061504SK100CSW001 | Cobalt | 2.95 | UG/L | BQ1,J | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 6/15/2004 0:00 | 061504SK100CSW001 | Copper | 1.55 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 6/15/2004 0:00 | 061504SK100CSW001 | Copper | 1.24 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 6/15/2004 0:00 | 061504SK100CSW001 | Cyanide | 0.0047 | MG/L | J | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 6/15/2004 0:00 | 061504SK100CSW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 6/15/2004 0:00 | 061504SK100CSW001 | Fluoride | 0.054 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 6/15/2004 0:00 | 061504SK100CSW001 | Hardness as CaCO3 | 16.5 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 6/15/2004 0:00 | 061504SK100CSW001 | Hardness as CaCO3 | 16.7 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 6/15/2004 0:00 | 061504SK100CSW001 | Iron | 223 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 6/15/2004 0:00 | 061504SK100CSW001 | Iron | 149 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 6/15/2004 0:00 | 061504SK100CSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 6/15/2004 0:00 | 061504SK100CSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 6/15/2004 0:00 | 061504SK100CSW001 | Magnesium | 1010 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 6/15/2004 0:00 | 061504SK100CSW001 | Magnesium | 1020 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 6/15/2004 0:00 | 061504SK100CSW001 | Manganese | 16.9 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 6/15/2004 0:00 | 061504SK100CSW001 | Manganese | 19.2 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 6/15/2004 0:00 | 061504SK100CSW001 | Molybdenum | 0.53 | UG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 6/15/2004 0:00 | 061504SK100CSW001 | Molybdenum | 0.529 | UG/L | J | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 6/15/2004 0:00 | 061504SK100CSW001 | Nickel | 0.233 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 6/15/2004 0:00 | 061504SK100CSW001 | Nickel | 0.37 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 6/15/2004 0:00 | 061504SK100CSW001 | Nitrogen, Ammonia (as N) | 0.105 | MG/L | BQ | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 6/15/2004 0:00 | 061504SK100CSW001 | Nitrogen, Nitrate-Nitrite | 0.032 | MG/L | J- | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 6/15/2004 0:00 | 061504SK100CSW001 | pH | 6.97 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 6/15/2004 0:00 | 061504SK100CSW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 6/15/2004 0:00 | 061504SK100CSW001 | Potassium | 277 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 6/15/2004 0:00 | 061504SK100CSW001 | Potassium | 283 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 6/15/2004 0:00 | 061504SK100CSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100C | 6/15/2004 0:00 | 061504SK100CSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 6/15/2004 0:00 | 061504SK100CSW001 | Silicon | 2350 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 6/15/2004 0:00 | 061504SK100CSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 6/15/2004 0:00 | 061504SK100CSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 6/15/2004 0:00 | 061504SK100CSW001 | Sodium | 1900 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 6/15/2004 0:00 | 061504SK100CSW001 | Sodium | 1940 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 6/15/2004 0:00 | 061504SK100CSW001 | Specific Conductance | 60 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 6/15/2004 0:00 | 061504SK100CSW001 | Sulfate | 6.73 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 6/15/2004 0:00 | 061504SK100CSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 6/15/2004 0:00 | 061504SK100CSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 6/15/2004 0:00 | 061504SK100CSW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 6/15/2004 0:00 | 061504SK100CSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 6/15/2004 0:00 | 061504SK100CSW001 | Tin | 1.16 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 6/15/2004 0:00 | 061504SK100CSW001 | Total Dissolved Solids | 51.3 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 6/15/2004 0:00 | 061504SK100CSW001 | Total Suspended Solids | 1.2 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 6/15/2004 0:00 | 061504SK100CSW001 | Vanadium | 0.398 | UG/L | J | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 6/15/2004 0:00 | 061504SK100CSW001 | Vanadium | 0.351 | UG/L | J | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 6/15/2004 0:00 | 061504SK100CSW001 | Zinc | 2.74 | UG/L | | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 6/15/2004 0:00 | 061504SK100CSW001 | Zinc | 2.92 | UG/L | | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 7/13/2004 0:00 | 071304SK100CSW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 7/13/2004 0:00 | 071304SK100CSW001 | Alkalinity, Total | 22 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 7/13/2004 0:00 | 071304SK100CSW001 | Aluminum | 22.3 | UG/L | BQ,BQ1,J | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 7/13/2004 0:00 | 071304SK100CSW001 | Aluminum | 15.9 | UG/L | BQ,BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 7/13/2004 0:00 | 071304SK100CSW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 7/13/2004 0:00 | 071304SK100CSW001 | Antimony | 0.261 | UG/L | BQ1 | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 7/13/2004 0:00 | 071304SK100CSW001 | Arsenic | 0.33 | UG/L | J | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 7/13/2004 0:00 | 071304SK100CSW001 | Arsenic | 0.273 | UG/L | J | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 7/13/2004 0:00 | 071304SK100CSW001 | Barium | 3.4 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 7/13/2004 0:00 | 071304SK100CSW001 | Barium | 3.44 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100C | 7/13/2004 0:00 | 071304SK100CSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 7/13/2004 0:00 | 071304SK100CSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 7/13/2004 0:00 | 071304SK100CSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 7/13/2004 0:00 | 071304SK100CSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 7/13/2004 0:00 | 071304SK100CSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 7/13/2004 0:00 | 071304SK100CSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 7/13/2004 0:00 | 071304SK100CSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 7/13/2004 0:00 | 071304SK100CSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 7/13/2004 0:00 | 071304SK100CSW001 | Calcium | 5990 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 7/13/2004 0:00 | 071304SK100CSW001 | Calcium | 6150 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 7/13/2004 0:00 | 071304SK100CSW001 | Chloride | 0.693 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 7/13/2004 0:00 | 071304SK100CSW001 | Chromium | 0.137 | UG/L | BQ1,J | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 7/13/2004 0:00 | 071304SK100CSW001 | Chromium | 0.185 | UG/L | BQ1,J | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 7/13/2004 0:00 | 071304SK100CSW001 | Cobalt | 0 | UG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 7/13/2004 0:00 | 071304SK100CSW001 | Cobalt | 0.709 | UG/L | BQ1,J | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 7/13/2004 0:00 | 071304SK100CSW001 | Copper | 1.49 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 7/13/2004 0:00 | 071304SK100CSW001 | Copper | 1.38 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 7/13/2004 0:00 | 071304SK100CSW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 7/13/2004 0:00 | 071304SK100CSW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 7/13/2004 0:00 | 071304SK100CSW001 | Fluoride | 0.061 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 7/13/2004 0:00 | 071304SK100CSW001 | Hardness as CaCO3 | 19.5 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 7/13/2004 0:00 | 071304SK100CSW001 | Hardness as CaCO3 | 19.6 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 7/13/2004 0:00 | 071304SK100CSW001 | Iron | 158 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 7/13/2004 0:00 | 071304SK100CSW001 | Iron | 104 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 7/13/2004 0:00 | 071304SK100CSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 7/13/2004 0:00 | 071304SK100CSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 7/13/2004 0:00 | 071304SK100CSW001 | Magnesium | 1100 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 7/13/2004 0:00 | 071304SK100CSW001 | Magnesium | 1040 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 7/13/2004 0:00 | 071304SK100CSW001 | Manganese | 7.28 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100C | 7/13/2004 0:00 | 071304SK100CSW001 | Manganese | 5.11 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 7/13/2004 0:00 | 071304SK100CSW001 | Molybdenum | 0.45 | UG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 7/13/2004 0:00 | 071304SK100CSW001 | Molybdenum | 0.695 | UG/L | J | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 7/13/2004 0:00 | 071304SK100CSW001 | Nickel | 0.293 | UG/L | BQ1,J | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 7/13/2004 0:00 | 071304SK100CSW001 | Nickel | 0.506 | UG/L | J | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 7/13/2004 0:00 | 071304SK100CSW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 7/13/2004 0:00 | 071304SK100CSW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 7/13/2004 0:00 | 071304SK100CSW001 | pH | 7.38 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 7/13/2004 0:00 | 071304SK100CSW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 7/13/2004 0:00 | 071304SK100CSW001 | Potassium | 342 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 7/13/2004 0:00 | 071304SK100CSW001 | Potassium | 360 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 7/13/2004 0:00 | 071304SK100CSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 7/13/2004 0:00 | 071304SK100CSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 7/13/2004 0:00 | 071304SK100CSW001 | Silicon | 3150 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 7/13/2004 0:00 | 071304SK100CSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 7/13/2004 0:00 | 071304SK100CSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 7/13/2004 0:00 | 071304SK100CSW001 | Sodium | 1960 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 7/13/2004 0:00 | 071304SK100CSW001 | Sodium | 2110 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 7/13/2004 0:00 | 071304SK100CSW001 | Specific Conductance | 55 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 7/13/2004 0:00 | 071304SK100CSW001 | Sulfate | 5.9 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 7/13/2004 0:00 | 071304SK100CSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 7/13/2004 0:00 | 071304SK100CSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 7/13/2004 0:00 | 071304SK100CSW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 7/13/2004 0:00 | 071304SK100CSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 7/13/2004 0:00 | 071304SK100CSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 7/13/2004 0:00 | 071304SK100CSW001 | Total Dissolved Solids | 35 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 7/13/2004 0:00 | 071304SK100CSW001 | Total Suspended Solids | 0.7 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 7/13/2004 0:00 | 071304SK100CSW001 | Vanadium | 0.399 | UG/L | J | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 7/13/2004 0:00 | 071304SK100CSW001 | Vanadium | 0.406 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |

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Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100C | 7/13/2004 0:00 | 071304SK100CSW001 | Zinc | 1.49 | UG/L | BQ,BQ1,J | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 7/13/2004 0:00 | 071304SK100CSW001 | Zinc | 1.74 | UG/L | BQ,BQ1 | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 4/28/2004 0:00 | 042804SK100DSW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 4/28/2004 0:00 | 042804SK100DSW001 | Alkalinity, Total | 11.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 4/28/2004 0:00 | 042804SK100DSW001 | Aluminum | 25.8 | UG/L | | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 4/28/2004 0:00 | 042804SK100DSW001 | Aluminum | 11 | UG/L | J, BQ1 | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 4/28/2004 0:00 | 042804SK100DSW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 4/28/2004 0:00 | 042804SK100DSW001 | Antimony | 0.147 | UG/L | J, BQ1 | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 4/28/2004 0:00 | 042804SK100DSW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 4/28/2004 0:00 | 042804SK100DSW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 4/28/2004 0:00 | 042804SK100DSW001 | Barium | 3.2 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 4/28/2004 0:00 | 042804SK100DSW001 | Barium | 3.33 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 4/28/2004 0:00 | 042804SK100DSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 4/28/2004 0:00 | 042804SK100DSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 4/28/2004 0:00 | 042804SK100DSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 4/28/2004 0:00 | 042804SK100DSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 4/28/2004 0:00 | 042804SK100DSW001 | Boron | 3.5 | UG/L | J | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 4/28/2004 0:00 | 042804SK100DSW001 | Boron | 3.63 | UG/L | J, BQ | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 4/28/2004 0:00 | 042804SK100DSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 4/28/2004 0:00 | 042804SK100DSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 4/28/2004 0:00 | 042804SK100DSW001 | Calcium | 3790 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 4/28/2004 0:00 | 042804SK100DSW001 | Calcium | 3850 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 4/28/2004 0:00 | 042804SK100DSW001 | Chloride | 1.05 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 4/28/2004 0:00 | 042804SK100DSW001 | Chromium | 0.191 | UG/L | J | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 4/28/2004 0:00 | 042804SK100DSW001 | Chromium | 0.141 | UG/L | J | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 4/28/2004 0:00 | 042804SK100DSW001 | Cobalt | 0.0401 | UG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 4/28/2004 0:00 | 042804SK100DSW001 | Cobalt | 0.297 | UG/L | J | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 4/28/2004 0:00 | 042804SK100DSW001 | Copper | 1.92 | UG/L | BQ | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 4/28/2004 0:00 | 042804SK100DSW001 | Copper | 1.1 | UG/L | BQ | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100D | 4/28/2004 0:00 | 042804SK100DSW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 4/28/2004 0:00 | 042804SK100DSW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 4/28/2004 0:00 | 042804SK100DSW001 | Fluoride | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 4/28/2004 0:00 | 042804SK100DSW001 | Hardness as CaCO3 | 13.4 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 4/28/2004 0:00 | 042804SK100DSW001 | Hardness as CaCO3 | 13.8 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 4/28/2004 0:00 | 042804SK100DSW001 | Iron | 323 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 4/28/2004 0:00 | 042804SK100DSW001 | Iron | 260 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 4/28/2004 0:00 | 042804SK100DSW001 | Lead | 0.117 | UG/L | J | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 4/28/2004 0:00 | 042804SK100DSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 4/28/2004 0:00 | 042804SK100DSW001 | Magnesium | 1010 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 4/28/2004 0:00 | 042804SK100DSW001 | Magnesium | 1010 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 4/28/2004 0:00 | 042804SK100DSW001 | Manganese | 12.4 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 4/28/2004 0:00 | 042804SK100DSW001 | Manganese | 12.4 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 4/28/2004 0:00 | 042804SK100DSW001 | Molybdenum | 0.411 | UG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 4/28/2004 0:00 | 042804SK100DSW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 4/28/2004 0:00 | 042804SK100DSW001 | Nickel | 0.213 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 4/28/2004 0:00 | 042804SK100DSW001 | Nickel | 0.256 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 4/28/2004 0:00 | 042804SK100DSW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 4/28/2004 0:00 | 042804SK100DSW001 | Nitrogen, Nitrate-Nitrite | 0.101 | MG/L | J- | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 4/28/2004 0:00 | 042804SK100DSW001 | pH | 6.8 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 4/28/2004 0:00 | 042804SK100DSW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 4/28/2004 0:00 | 042804SK100DSW001 | Potassium | 428 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 4/28/2004 0:00 | 042804SK100DSW001 | Potassium | 411 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 4/28/2004 0:00 | 042804SK100DSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 4/28/2004 0:00 | 042804SK100DSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 4/28/2004 0:00 | 042804SK100DSW001 | Silicon | 2820 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 4/28/2004 0:00 | 042804SK100DSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 4/28/2004 0:00 | 042804SK100DSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 4/28/2004 0:00 | 042804SK100DSW001 | Sodium | 1690 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100D | 4/28/2004 0:00 | 042804SK100DSW001 | Sodium | 1680 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 4/28/2004 0:00 | 042804SK100DSW001 | Specific Conductance | 39 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 4/28/2004 0:00 | 042804SK100DSW001 | Sulfate | 4.82 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 4/28/2004 0:00 | 042804SK100DSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 4/28/2004 0:00 | 042804SK100DSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 4/28/2004 0:00 | 042804SK100DSW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 4/28/2004 0:00 | 042804SK100DSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 4/28/2004 0:00 | 042804SK100DSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 4/28/2004 0:00 | 042804SK100DSW001 | Total Dissolved Solids | 43.8 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 4/28/2004 0:00 | 042804SK100DSW001 | Total Suspended Solids | 0.4 | MG/L | J | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 4/28/2004 0:00 | 042804SK100DSW001 | Vanadium | 0.378 | UG/L | J | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 4/28/2004 0:00 | 042804SK100DSW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 4/28/2004 0:00 | 042804SK100DSW001 | Zinc | 3.15 | UG/L | BQ | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 4/28/2004 0:00 | 042804SK100DSW001 | Zinc | 3.19 | UG/L | BQ | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 5/18/2004 0:00 | 051804SK100DSW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 5/18/2004 0:00 | 051804SK100DSW001 | Alkalinity, Total | 7.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 5/18/2004 0:00 | 051804SK100DSW001 | Aluminum | 127 | UG/L | | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 5/18/2004 0:00 | 051804SK100DSW001 | Aluminum | 25.3 | UG/L | BQ | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 5/18/2004 0:00 | 051804SK100DSW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 5/18/2004 0:00 | 051804SK100DSW001 | Antimony | 0.113 | UG/L | BQ1,BQ | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 5/18/2004 0:00 | 051804SK100DSW001 | Arsenic | 0.623 | UG/L | BQ1 | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 5/18/2004 0:00 | 051804SK100DSW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 5/18/2004 0:00 | 051804SK100DSW001 | Barium | 3.64 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 5/18/2004 0:00 | 051804SK100DSW001 | Barium | 2.47 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 5/18/2004 0:00 | 051804SK100DSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 5/18/2004 0:00 | 051804SK100DSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 5/18/2004 0:00 | 051804SK100DSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 5/18/2004 0:00 | 051804SK100DSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 5/18/2004 0:00 | 051804SK100DSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100D | 5/18/2004 0:00 | 051804SK100DSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 5/18/2004 0:00 | 051804SK100DSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 5/18/2004 0:00 | 051804SK100DSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 5/18/2004 0:00 | 051804SK100DSW001 | Calcium | 2690 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 5/18/2004 0:00 | 051804SK100DSW001 | Calcium | 2650 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 5/18/2004 0:00 | 051804SK100DSW001 | Chloride | 0.635 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 5/18/2004 0:00 | 051804SK100DSW001 | Chromium | 0.114 | UG/L | J,BQ1 | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 5/18/2004 0:00 | 051804SK100DSW001 | Chromium | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 5/18/2004 0:00 | 051804SK100DSW001 | Cobalt | 0.0861 | UG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 5/18/2004 0:00 | 051804SK100DSW001 | Cobalt | 2.21 | UG/L | J+ | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 5/18/2004 0:00 | 051804SK100DSW001 | Copper | 1.88 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 5/18/2004 0:00 | 051804SK100DSW001 | Copper | 1.24 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 5/18/2004 0:00 | 051804SK100DSW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 5/18/2004 0:00 | 051804SK100DSW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 5/18/2004 0:00 | 051804SK100DSW001 | Fluoride | 0.035 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 5/18/2004 0:00 | 051804SK100DSW001 | Hardness as CaCO3 | 9.3 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 5/18/2004 0:00 | 051804SK100DSW001 | Hardness as CaCO3 | 9.17 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 5/18/2004 0:00 | 051804SK100DSW001 | Iron | 490 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 5/18/2004 0:00 | 051804SK100DSW001 | Iron | 132 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 5/18/2004 0:00 | 051804SK100DSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 5/18/2004 0:00 | 051804SK100DSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 5/18/2004 0:00 | 051804SK100DSW001 | Magnesium | 618 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 5/18/2004 0:00 | 051804SK100DSW001 | Magnesium | 627 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 5/18/2004 0:00 | 051804SK100DSW001 | Manganese | 21.7 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 5/18/2004 0:00 | 051804SK100DSW001 | Manganese | 10.4 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 5/18/2004 0:00 | 051804SK100DSW001 | Molybdenum | 0.398 | UG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 5/18/2004 0:00 | 051804SK100DSW001 | Molybdenum | 0.365 | UG/L | J | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 5/18/2004 0:00 | 051804SK100DSW001 | Nickel | 0.239 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 5/18/2004 0:00 | 051804SK100DSW001 | Nickel | 0.319 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100D | 5/18/2004 0:00 | 051804SK100DSW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 5/18/2004 0:00 | 051804SK100DSW001 | Nitrogen, Nitrate-Nitrite | 0.11 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 5/18/2004 0:00 | 051804SK100DSW001 | pH | 6.7 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 5/18/2004 0:00 | 051804SK100DSW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 5/18/2004 0:00 | 051804SK100DSW001 | Potassium | 251 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 5/18/2004 0:00 | 051804SK100DSW001 | Potassium | 246 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 5/18/2004 0:00 | 051804SK100DSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 5/18/2004 0:00 | 051804SK100DSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 5/18/2004 0:00 | 051804SK100DSW001 | Silicon | 2830 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 5/18/2004 0:00 | 051804SK100DSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 5/18/2004 0:00 | 051804SK100DSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 5/18/2004 0:00 | 051804SK100DSW001 | Sodium | 1360 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 5/18/2004 0:00 | 051804SK100DSW001 | Sodium | 1380 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 5/18/2004 0:00 | 051804SK100DSW001 | Specific Conductance | 30 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 5/18/2004 0:00 | 051804SK100DSW001 | Sulfate | 3.66 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 5/18/2004 0:00 | 051804SK100DSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 5/18/2004 0:00 | 051804SK100DSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 5/18/2004 0:00 | 051804SK100DSW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 5/18/2004 0:00 | 051804SK100DSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 5/18/2004 0:00 | 051804SK100DSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 5/18/2004 0:00 | 051804SK100DSW001 | Total Dissolved Solids | 35 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 5/18/2004 0:00 | 051804SK100DSW001 | Total Suspended Solids | 4.42 | MG/L | | 0.526 | 0.158 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 5/18/2004 0:00 | 051804SK100DSW001 | Vanadium | 0.322 | UG/L | J,BQ1 | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 5/18/2004 0:00 | 051804SK100DSW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 5/18/2004 0:00 | 051804SK100DSW001 | Zinc | 2.59 | UG/L | BQ1,BQ | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 5/18/2004 0:00 | 051804SK100DSW001 | Zinc | 1.66 | UG/L | BQ1,BQ | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 6/16/2004 0:00 | 061604SK100DSW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 6/16/2004 0:00 | 061604SK100DSW001 | Alkalinity, Total | 14.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 6/16/2004 0:00 | 061604SK100DSW001 | Aluminum | 42.6 | UG/L | BQ | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100D | 6/16/2004 0:00 | 061604SK100DSW001 | Aluminum | 21.4 | UG/L | BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 6/16/2004 0:00 | 061604SK100DSW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 6/16/2004 0:00 | 061604SK100DSW001 | Antimony | 0.725 | UG/L | BQ,J | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 6/16/2004 0:00 | 061604SK100DSW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 6/16/2004 0:00 | 061604SK100DSW001 | Arsenic | 0.417 | UG/L | J | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 6/16/2004 0:00 | 061604SK100DSW001 | Barium | 1.83 | UG/L | J | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 6/16/2004 0:00 | 061604SK100DSW001 | Barium | 2.46 | UG/L | J | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 6/16/2004 0:00 | 061604SK100DSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 6/16/2004 0:00 | 061604SK100DSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 6/16/2004 0:00 | 061604SK100DSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 6/16/2004 0:00 | 061604SK100DSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 6/16/2004 0:00 | 061604SK100DSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 6/16/2004 0:00 | 061604SK100DSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 6/16/2004 0:00 | 061604SK100DSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 6/16/2004 0:00 | 061604SK100DSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 6/16/2004 0:00 | 061604SK100DSW001 | Calcium | 4330 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 6/16/2004 0:00 | 061604SK100DSW001 | Calcium | 4400 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 6/16/2004 0:00 | 061604SK100DSW001 | Chloride | 0.728 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 6/16/2004 0:00 | 061604SK100DSW001 | Chromium | 0.134 | UG/L | J | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 6/16/2004 0:00 | 061604SK100DSW001 | Chromium | 0.181 | UG/L | J | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 6/16/2004 0:00 | 061604SK100DSW001 | Cobalt | 0.0432 | UG/L | BQ1,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 6/16/2004 0:00 | 061604SK100DSW001 | Cobalt | 2.65 | UG/L | BQ1,J | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 6/16/2004 0:00 | 061604SK100DSW001 | Copper | 1.65 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 6/16/2004 0:00 | 061604SK100DSW001 | Copper | 1.68 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 6/16/2004 0:00 | 061604SK100DSW001 | Cyanide | 0.01 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 6/16/2004 0:00 | 061604SK100DSW001 | Cyanide, Weak Acid Dissociable | 0.0047 | MG/L | J | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 6/16/2004 0:00 | 061604SK100DSW001 | Fluoride | 0.059 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 6/16/2004 0:00 | 061604SK100DSW001 | Hardness as CaCO3 | 15.4 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 6/16/2004 0:00 | 061604SK100DSW001 | Hardness as CaCO3 | 15.4 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100D | 6/16/2004 0:00 | 061604SK100DSW001 | Iron | 279 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 6/16/2004 0:00 | 061604SK100DSW001 | Iron | 193 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 6/16/2004 0:00 | 061604SK100DSW001 | Lead | 0.161 | UG/L | J | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 6/16/2004 0:00 | 061604SK100DSW001 | Lead | 0.108 | UG/L | J | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 6/16/2004 0:00 | 061604SK100DSW001 | Magnesium | 1110 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 6/16/2004 0:00 | 061604SK100DSW001 | Magnesium | 1070 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 6/16/2004 0:00 | 061604SK100DSW001 | Manganese | 11.6 | UG/L | BQ1 | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 6/16/2004 0:00 | 061604SK100DSW001 | Manganese | 11.7 | UG/L | BQ1 | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 6/16/2004 0:00 | 061604SK100DSW001 | Molybdenum | 0.581 | UG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 6/16/2004 0:00 | 061604SK100DSW001 | Molybdenum | 0.591 | UG/L | J | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 6/16/2004 0:00 | 061604SK100DSW001 | Nickel | 0.25 | UG/L | BQ1,J | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 6/16/2004 0:00 | 061604SK100DSW001 | Nickel | 0.546 | UG/L | J | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 6/16/2004 0:00 | 061604SK100DSW001 | Nitrogen, Ammonia (as N) | 0.09 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 6/16/2004 0:00 | 061604SK100DSW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | R | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 6/16/2004 0:00 | 061604SK100DSW001 | pH | 7.18 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 6/16/2004 0:00 | 061604SK100DSW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 6/16/2004 0:00 | 061604SK100DSW001 | Potassium | 276 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 6/16/2004 0:00 | 061604SK100DSW001 | Potassium | 281 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 6/16/2004 0:00 | 061604SK100DSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 6/16/2004 0:00 | 061604SK100DSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 6/16/2004 0:00 | 061604SK100DSW001 | Silicon | 1700 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 6/16/2004 0:00 | 061604SK100DSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 6/16/2004 0:00 | 061604SK100DSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 6/16/2004 0:00 | 061604SK100DSW001 | Sodium | 2130 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 6/16/2004 0:00 | 061604SK100DSW001 | Sodium | 2040 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 6/16/2004 0:00 | 061604SK100DSW001 | Specific Conductance | 45 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 6/16/2004 0:00 | 061604SK100DSW001 | Sulfate | 6.21 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 6/16/2004 0:00 | 061604SK100DSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 6/16/2004 0:00 | 061604SK100DSW001 | Thallium | 0.0508 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100D | 6/16/2004 0:00 | 061604SK100DSW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 6/16/2004 0:00 | 061604SK100DSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 6/16/2004 0:00 | 061604SK100DSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 6/16/2004 0:00 | 061604SK100DSW001 | Total Dissolved Solids | 42.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 6/16/2004 0:00 | 061604SK100DSW001 | Total Suspended Solids | 1.6 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 6/16/2004 0:00 | 061604SK100DSW001 | Vanadium | 0.269 | UG/L | J | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 6/16/2004 0:00 | 061604SK100DSW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 6/16/2004 0:00 | 061604SK100DSW001 | Zinc | 1.82 | UG/L | BQ1 | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 6/16/2004 0:00 | 061604SK100DSW001 | Zinc | 2.86 | UG/L | BQ | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 7/14/2004 0:00 | 071404SK100DSW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 7/14/2004 0:00 | 071404SK100DSW001 | Alkalinity, Total | 21 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 7/14/2004 0:00 | 071404SK100DSW001 | Aluminum | 47.8 | UG/L | BQ,BQ1 | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 7/14/2004 0:00 | 071404SK100DSW001 | Aluminum | 20.4 | UG/L | BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 7/14/2004 0:00 | 071404SK100DSW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 7/14/2004 0:00 | 071404SK100DSW001 | Antimony | 0.184 | UG/L | BQ,BQ1,J | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 7/14/2004 0:00 | 071404SK100DSW001 | Arsenic | 0.654 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 7/14/2004 0:00 | 071404SK100DSW001 | Arsenic | 0.52 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 7/14/2004 0:00 | 071404SK100DSW001 | Barium | 3.75 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 7/14/2004 0:00 | 071404SK100DSW001 | Barium | 3.53 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 7/14/2004 0:00 | 071404SK100DSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 7/14/2004 0:00 | 071404SK100DSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 7/14/2004 0:00 | 071404SK100DSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 7/14/2004 0:00 | 071404SK100DSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 7/14/2004 0:00 | 071404SK100DSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 7/14/2004 0:00 | 071404SK100DSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 7/14/2004 0:00 | 071404SK100DSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 7/14/2004 0:00 | 071404SK100DSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 7/14/2004 0:00 | 071404SK100DSW001 | Calcium | 5760 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 7/14/2004 0:00 | 071404SK100DSW001 | Calcium | 5650 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100D | 7/14/2004 0:00 | 071404SK100DSW001 | Chloride | 0.486 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 7/14/2004 0:00 | 071404SK100DSW001 | Chromium | 0.168 | UG/L | BQ1,J | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 7/14/2004 0:00 | 071404SK100DSW001 | Chromium | 0.147 | UG/L | BQ,BQ1,J | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 7/14/2004 0:00 | 071404SK100DSW001 | Cobalt | 0.0688 | UG/L | BQ1,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 7/14/2004 0:00 | 071404SK100DSW001 | Cobalt | 0.632 | UG/L | BQ1,J | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 7/14/2004 0:00 | 071404SK100DSW001 | Copper | 2.03 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 7/14/2004 0:00 | 071404SK100DSW001 | Copper | 1.76 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 7/14/2004 0:00 | 071404SK100DSW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 7/14/2004 0:00 | 071404SK100DSW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 7/14/2004 0:00 | 071404SK100DSW001 | Fluoride | 0.046 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 7/14/2004 0:00 | 071404SK100DSW001 | Hardness as CaCO3 | 20.4 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 7/14/2004 0:00 | 071404SK100DSW001 | Hardness as CaCO3 | 19.8 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 7/14/2004 0:00 | 071404SK100DSW001 | Iron | 472 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 7/14/2004 0:00 | 071404SK100DSW001 | Iron | 316 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 7/14/2004 0:00 | 071404SK100DSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 7/14/2004 0:00 | 071404SK100DSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 7/14/2004 0:00 | 071404SK100DSW001 | Magnesium | 1450 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 7/14/2004 0:00 | 071404SK100DSW001 | Magnesium | 1380 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 7/14/2004 0:00 | 071404SK100DSW001 | Manganese | 20.7 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 7/14/2004 0:00 | 071404SK100DSW001 | Manganese | 13.8 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 7/14/2004 0:00 | 071404SK100DSW001 | Molybdenum | 1.12 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 7/14/2004 0:00 | 071404SK100DSW001 | Molybdenum | 1.26 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 7/14/2004 0:00 | 071404SK100DSW001 | Nickel | 0.315 | UG/L | BQ1,J | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 7/14/2004 0:00 | 071404SK100DSW001 | Nickel | 0.529 | UG/L | J | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 7/14/2004 0:00 | 071404SK100DSW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 7/14/2004 0:00 | 071404SK100DSW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | | 2 | 0.62 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 7/14/2004 0:00 | 071404SK100DSW001 | pH | 7.7 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 7/14/2004 0:00 | 071404SK100DSW001 | Phosphorus, Total (as P) | 0.326 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 7/14/2004 0:00 | 071404SK100DSW001 | Potassium | 294 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100D | 7/14/2004 0:00 | 071404SK100DSW001 | Potassium | 278 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 7/14/2004 0:00 | 071404SK100DSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 7/14/2004 0:00 | 071404SK100DSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 7/14/2004 0:00 | 071404SK100DSW001 | Silicon | 2040 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 7/14/2004 0:00 | 071404SK100DSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 7/14/2004 0:00 | 071404SK100DSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 7/14/2004 0:00 | 071404SK100DSW001 | Sodium | 2680 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 7/14/2004 0:00 | 071404SK100DSW001 | Sodium | 2550 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 7/14/2004 0:00 | 071404SK100DSW001 | Specific Conductance | 60 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 7/14/2004 0:00 | 071404SK100DSW001 | Sulfate | 5.53 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 7/14/2004 0:00 | 071404SK100DSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 7/14/2004 0:00 | 071404SK100DSW001 | Thallium | 0.0259 | UG/L | J | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 7/14/2004 0:00 | 071404SK100DSW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 7/14/2004 0:00 | 071404SK100DSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 7/14/2004 0:00 | 071404SK100DSW001 | Tin | 0.545 | UG/L | BQ,J | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 7/14/2004 0:00 | 071404SK100DSW001 | Total Dissolved Solids | 42.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 7/14/2004 0:00 | 071404SK100DSW001 | Total Suspended Solids | 1.2 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 7/14/2004 0:00 | 071404SK100DSW001 | Vanadium | 0.363 | UG/L | J | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 7/14/2004 0:00 | 071404SK100DSW001 | Vanadium | 0.275 | UG/L | J | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 7/14/2004 0:00 | 071404SK100DSW001 | Zinc | 0.792 | UG/L | BQ1,J | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 7/14/2004 0:00 | 071404SK100DSW001 | Zinc | 1.7 | UG/L | BQ1 | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100E | 5/18/2004 0:00 | 051804SK100ESW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100E | 5/18/2004 0:00 | 051804SK100ESW001 | Alkalinity, Total | 7 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100E | 5/18/2004 0:00 | 051804SK100ESW001 | Aluminum | 17.1 | UG/L | J | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100E | 5/18/2004 0:00 | 051804SK100ESW001 | Aluminum | 98.5 | UG/L | J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100E | 5/18/2004 0:00 | 051804SK100ESW001 | Antimony | 0.207 | UG/L | BQ1 | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100E | 5/18/2004 0:00 | 051804SK100ESW001 | Antimony | 0.234 | UG/L | BQ1,BQ | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100E | 5/18/2004 0:00 | 051804SK100ESW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100E | 5/18/2004 0:00 | 051804SK100ESW001 | Arsenic | 0.487 | UG/L | J,BQ1 | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100E | 5/18/2004 0:00 | 051804SK100ESW001 | Barium | 1.91 | UG/L | J | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100E | 5/18/2004 0:00 | 051804SK100ESW001 | Barium | 3.35 | UG/L | J | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100E | 5/18/2004 0:00 | 051804SK100ESW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100E | 5/18/2004 0:00 | 051804SK100ESW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100E | 5/18/2004 0:00 | 051804SK100ESW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100E | 5/18/2004 0:00 | 051804SK100ESW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100E | 5/18/2004 0:00 | 051804SK100ESW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100E | 5/18/2004 0:00 | 051804SK100ESW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100E | 5/18/2004 0:00 | 051804SK100ESW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100E | 5/18/2004 0:00 | 051804SK100ESW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100E | 5/18/2004 0:00 | 051804SK100ESW001 | Calcium | 2660 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100E | 5/18/2004 0:00 | 051804SK100ESW001 | Calcium | 2530 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100E | 5/18/2004 0:00 | 051804SK100ESW001 | Chloride | 0.615 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100E | 5/18/2004 0:00 | 051804SK100ESW001 | Chromium | 0.211 | UG/L | BQ1 | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100E | 5/18/2004 0:00 | 051804SK100ESW001 | Chromium | 0.122 | UG/L | J,BQ1 | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100E | 5/18/2004 0:00 | 051804SK100ESW001 | Cobalt | 2.37 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100E | 5/18/2004 0:00 | 051804SK100ESW001 | Cobalt | 0.0745 | UG/L | J | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100E | 5/18/2004 0:00 | 051804SK100ESW001 | Copper | 1.19 | UG/L | J,BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100E | 5/18/2004 0:00 | 051804SK100ESW001 | Copper | 1.8 | UG/L | J,BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100E | 5/18/2004 0:00 | 051804SK100ESW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100E | 5/18/2004 0:00 | 051804SK100ESW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100E | 5/18/2004 0:00 | 051804SK100ESW001 | Fluoride | 0.039 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100E | 5/18/2004 0:00 | 051804SK100ESW001 | Hardness as CaCO3 | 9.16 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100E | 5/18/2004 0:00 | 051804SK100ESW001 | Hardness as CaCO3 | 8.78 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100E | 5/18/2004 0:00 | 051804SK100ESW001 | Iron | 155 | UG/L | J | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100E | 5/18/2004 0:00 | 051804SK100ESW001 | Iron | 733 | UG/L | J | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100E | 5/18/2004 0:00 | 051804SK100ESW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100E | 5/18/2004 0:00 | 051804SK100ESW001 | Lead | 0.121 | UG/L | J,BQ1 | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100E | 5/18/2004 0:00 | 051804SK100ESW001 | Magnesium | 611 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100E | 5/18/2004 0:00 | 051804SK100ESW001 | Magnesium | 596 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100E | 5/18/2004 0:00 | 051804SK100ESW001 | Manganese | 21.4 | UG/L | J | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100E | 5/18/2004 0:00 | 051804SK100ESW001 | Manganese | 9.36 | UG/L | J | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100E | 5/18/2004 0:00 | 051804SK100ESW001 | Molybdenum | 0.45 | UG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100E | 5/18/2004 0:00 | 051804SK100ESW001 | Molybdenum | 0.388 | UG/L | J | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100E | 5/18/2004 0:00 | 051804SK100ESW001 | Nickel | 0.344 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100E | 5/18/2004 0:00 | 051804SK100ESW001 | Nickel | 0.215 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100E | 5/18/2004 0:00 | 051804SK100ESW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100E | 5/18/2004 0:00 | 051804SK100ESW001 | Nitrogen, Nitrate-Nitrite | 0.142 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100E | 5/18/2004 0:00 | 051804SK100ESW001 | pH | 6.5 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100E | 5/18/2004 0:00 | 051804SK100ESW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100E | 5/18/2004 0:00 | 051804SK100ESW001 | Potassium | 256 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100E | 5/18/2004 0:00 | 051804SK100ESW001 | Potassium | 249 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100E | 5/18/2004 0:00 | 051804SK100ESW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100E | 5/18/2004 0:00 | 051804SK100ESW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100E | 5/18/2004 0:00 | 051804SK100ESW001 | Silicon | 2630 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100E | 5/18/2004 0:00 | 051804SK100ESW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100E | 5/18/2004 0:00 | 051804SK100ESW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100E | 5/18/2004 0:00 | 051804SK100ESW001 | Sodium | 1410 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100E | 5/18/2004 0:00 | 051804SK100ESW001 | Sodium | 1310 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100E | 5/18/2004 0:00 | 051804SK100ESW001 | Specific Conductance | 31 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100E | 5/18/2004 0:00 | 051804SK100ESW001 | Sulfate | 3.28 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100E | 5/18/2004 0:00 | 051804SK100ESW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100E | 5/18/2004 0:00 | 051804SK100ESW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100E | 5/18/2004 0:00 | 051804SK100ESW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100E | 5/18/2004 0:00 | 051804SK100ESW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100E | 5/18/2004 0:00 | 051804SK100ESW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100E | 5/18/2004 0:00 | 051804SK100ESW001 | Total Dissolved Solids | 31.3 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100E | 5/18/2004 0:00 | 051804SK100ESW001 | Total Suspended Solids | 6.74 | MG/L | | 0.571 | 0.171 | (N) Non-filtered (for metals, N depicts Total Metal) |

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Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100E | 5/18/2004 0:00 | 051804SK100ESW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100E | 5/18/2004 0:00 | 051804SK100ESW001 | Vanadium | 0.386 | UG/L | J,BQ1 | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100E | 5/18/2004 0:00 | 051804SK100ESW001 | Zinc | 3.47 | UG/L | BQ1 | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100E | 5/18/2004 0:00 | 051804SK100ESW001 | Zinc | 4.52 | UG/L | BQ1 | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 5/18/2004 0:00 | 051804SK100FSW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 5/18/2004 0:00 | 051804SK100FSW001 | Alkalinity, Total | 7 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 5/18/2004 0:00 | 051804SK100FSW001 | Aluminum | 18.9 | UG/L | J,BQ | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 5/18/2004 0:00 | 051804SK100FSW001 | Aluminum | 75.1 | UG/L | | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 5/18/2004 0:00 | 051804SK100FSW001 | Antimony | 1.35 | UG/L | BQ1,BQ | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 5/18/2004 0:00 | 051804SK100FSW001 | Antimony | 0.0805 | UG/L | BQ1,BQ | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 5/18/2004 0:00 | 051804SK100FSW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 5/18/2004 0:00 | 051804SK100FSW001 | Arsenic | 0.485 | UG/L | J,BQ1 | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 5/18/2004 0:00 | 051804SK100FSW001 | Barium | 2.94 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 5/18/2004 0:00 | 051804SK100FSW001 | Barium | 3.25 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 5/18/2004 0:00 | 051804SK100FSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 5/18/2004 0:00 | 051804SK100FSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 5/18/2004 0:00 | 051804SK100FSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 5/18/2004 0:00 | 051804SK100FSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 5/18/2004 0:00 | 051804SK100FSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 5/18/2004 0:00 | 051804SK100FSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 5/18/2004 0:00 | 051804SK100FSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 5/18/2004 0:00 | 051804SK100FSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 5/18/2004 0:00 | 051804SK100FSW001 | Calcium | 2470 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 5/18/2004 0:00 | 051804SK100FSW001 | Calcium | 2560 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 5/18/2004 0:00 | 051804SK100FSW001 | Chloride | 0.6 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 5/18/2004 0:00 | 051804SK100FSW001 | Chromium | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 5/18/2004 0:00 | 051804SK100FSW001 | Chromium | 0.189 | UG/L | J,BQ1 | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 5/18/2004 0:00 | 051804SK100FSW001 | Cobalt | 0.0793 | UG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 5/18/2004 0:00 | 051804SK100FSW001 | Cobalt | 2.36 | UG/L | J+ | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100F | 5/18/2004 0:00 | 051804SK100FSW001 | Copper | 1.95 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 5/18/2004 0:00 | 051804SK100FSW001 | Copper | 1.48 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 5/18/2004 0:00 | 051804SK100FSW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 5/18/2004 0:00 | 051804SK100FSW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 5/18/2004 0:00 | 051804SK100FSW001 | Fluoride | 0.056 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 5/18/2004 0:00 | 051804SK100FSW001 | Hardness as CaCO3 | 9.02 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 5/18/2004 0:00 | 051804SK100FSW001 | Hardness as CaCO3 | 8.63 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 5/18/2004 0:00 | 051804SK100FSW001 | Iron | 579 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 5/18/2004 0:00 | 051804SK100FSW001 | Iron | 165 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 5/18/2004 0:00 | 051804SK100FSW001 | Lead | 0.107 | UG/L | J,BQ1 | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 5/18/2004 0:00 | 051804SK100FSW001 | Lead | 0.159 | UG/L | J,BQ1 | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 5/18/2004 0:00 | 051804SK100FSW001 | Magnesium | 600 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 5/18/2004 0:00 | 051804SK100FSW001 | Magnesium | 635 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 5/18/2004 0:00 | 051804SK100FSW001 | Manganese | 15.6 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 5/18/2004 0:00 | 051804SK100FSW001 | Manganese | 13.2 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 5/18/2004 0:00 | 051804SK100FSW001 | Molybdenum | 0.336 | UG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 5/18/2004 0:00 | 051804SK100FSW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 5/18/2004 0:00 | 051804SK100FSW001 | Nickel | 0.227 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 5/18/2004 0:00 | 051804SK100FSW001 | Nickel | 0.36 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 5/18/2004 0:00 | 051804SK100FSW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 5/18/2004 0:00 | 051804SK100FSW001 | Nitrogen, Nitrate-Nitrite | 0.126 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 5/18/2004 0:00 | 051804SK100FSW001 | pH | 6.7 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 5/18/2004 0:00 | 051804SK100FSW001 | Phosphorus, Total (as P) | 0.055 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 5/18/2004 0:00 | 051804SK100FSW001 | Potassium | 244 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 5/18/2004 0:00 | 051804SK100FSW001 | Potassium | 256 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 5/18/2004 0:00 | 051804SK100FSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 5/18/2004 0:00 | 051804SK100FSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 5/18/2004 0:00 | 051804SK100FSW001 | Silicon | 2580 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 5/18/2004 0:00 | 051804SK100FSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100F | 5/18/2004 0:00 | 051804SK100FSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 5/18/2004 0:00 | 051804SK100FSW001 | Sodium | 1400 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 5/18/2004 0:00 | 051804SK100FSW001 | Sodium | 1490 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 5/18/2004 0:00 | 051804SK100FSW001 | Specific Conductance | 31 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 5/18/2004 0:00 | 051804SK100FSW001 | Sulfate | 3.52 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 5/18/2004 0:00 | 051804SK100FSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 5/18/2004 0:00 | 051804SK100FSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 5/18/2004 0:00 | 051804SK100FSW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 5/18/2004 0:00 | 051804SK100FSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 5/18/2004 0:00 | 051804SK100FSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 5/18/2004 0:00 | 051804SK100FSW001 | Total Dissolved Solids | 31.3 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 5/18/2004 0:00 | 051804SK100FSW001 | Total Suspended Solids | 4.2 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 5/18/2004 0:00 | 051804SK100FSW001 | Vanadium | 0.569 | UG/L | BQ1 | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 5/18/2004 0:00 | 051804SK100FSW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 5/18/2004 0:00 | 051804SK100FSW001 | Zinc | 3.46 | UG/L | BQ1 | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 5/18/2004 0:00 | 051804SK100FSW001 | Zinc | 4.59 | UG/L | BQ1 | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 6/1/2004 0:00 | 060104SK100FSW001 | Alkalinity, Total | 11 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 6/16/2004 0:00 | 061604SK100FSW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 6/16/2004 0:00 | 061604SK100FSW001 | Alkalinity, Total | 14.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 6/16/2004 0:00 | 061604SK100FSW001 | Aluminum | 36.9 | UG/L | BQ,BQ1 | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 6/16/2004 0:00 | 061604SK100FSW001 | Aluminum | 19.5 | UG/L | BQ,BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 6/16/2004 0:00 | 061604SK100FSW001 | Antimony | 0.208 | UG/L | BQ | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 6/16/2004 0:00 | 061604SK100FSW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 6/16/2004 0:00 | 061604SK100FSW001 | Arsenic | 0.394 | UG/L | J | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 6/16/2004 0:00 | 061604SK100FSW001 | Arsenic | 0.316 | UG/L | J | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 6/16/2004 0:00 | 061604SK100FSW001 | Barium | 2.28 | UG/L | J | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 6/16/2004 0:00 | 061604SK100FSW001 | Barium | 2.84 | UG/L | J | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 6/16/2004 0:00 | 061604SK100FSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 6/16/2004 0:00 | 061604SK100FSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100F | 6/16/2004 0:00 | 061604SK100FSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 6/16/2004 0:00 | 061604SK100FSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 6/16/2004 0:00 | 061604SK100FSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 6/16/2004 0:00 | 061604SK100FSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 6/16/2004 0:00 | 061604SK100FSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 6/16/2004 0:00 | 061604SK100FSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 6/16/2004 0:00 | 061604SK100FSW001 | Calcium | 4390 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 6/16/2004 0:00 | 061604SK100FSW001 | Calcium | 4160 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 6/16/2004 0:00 | 061604SK100FSW001 | Chloride | 0.72 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 6/16/2004 0:00 | 061604SK100FSW001 | Chromium | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 6/16/2004 0:00 | 061604SK100FSW001 | Chromium | 0.168 | UG/L | J | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 6/16/2004 0:00 | 061604SK100FSW001 | Cobalt | 0.0645 | UG/L | BQ1,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 6/16/2004 0:00 | 061604SK100FSW001 | Cobalt | 2.4 | UG/L | BQ1,J | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 6/16/2004 0:00 | 061604SK100FSW001 | Copper | 1.82 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 6/16/2004 0:00 | 061604SK100FSW001 | Copper | 1.44 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 6/16/2004 0:00 | 061604SK100FSW001 | Cyanide | 0.0047 | MG/L | J | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 6/16/2004 0:00 | 061604SK100FSW001 | Cyanide, Weak Acid Dissociable | 0.005 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 6/16/2004 0:00 | 061604SK100FSW001 | Fluoride | 0.058 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 6/16/2004 0:00 | 061604SK100FSW001 | Hardness as CaCO3 | 15.7 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 6/16/2004 0:00 | 061604SK100FSW001 | Hardness as CaCO3 | 14.2 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 6/16/2004 0:00 | 061604SK100FSW001 | Iron | 350 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 6/16/2004 0:00 | 061604SK100FSW001 | Iron | 208 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 6/16/2004 0:00 | 061604SK100FSW001 | Lead | 0.153 | UG/L | J | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 6/16/2004 0:00 | 061604SK100FSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 6/16/2004 0:00 | 061604SK100FSW001 | Magnesium | 1140 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 6/16/2004 0:00 | 061604SK100FSW001 | Magnesium | 919 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 6/16/2004 0:00 | 061604SK100FSW001 | Manganese | 20.6 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 6/16/2004 0:00 | 061604SK100FSW001 | Manganese | 18.8 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 6/16/2004 0:00 | 061604SK100FSW001 | Molybdenum | 0.647 | UG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100F | 6/16/2004 0:00 | 061604SK100FSW001 | Molybdenum | 0.535 | UG/L | J | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 6/16/2004 0:00 | 061604SK100FSW001 | Nickel | 0.237 | UG/L | BQ1,J | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 6/16/2004 0:00 | 061604SK100FSW001 | Nickel | 0.453 | UG/L | BQ1,J | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 6/16/2004 0:00 | 061604SK100FSW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 6/16/2004 0:00 | 061604SK100FSW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | R | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 6/16/2004 0:00 | 061604SK100FSW001 | pH | 7.21 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 6/16/2004 0:00 | 061604SK100FSW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 6/16/2004 0:00 | 061604SK100FSW001 | Potassium | 248 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 6/16/2004 0:00 | 061604SK100FSW001 | Potassium | 231 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 6/16/2004 0:00 | 061604SK100FSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 6/16/2004 0:00 | 061604SK100FSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 6/16/2004 0:00 | 061604SK100FSW001 | Silicon | 1940 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 6/16/2004 0:00 | 061604SK100FSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 6/16/2004 0:00 | 061604SK100FSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 6/16/2004 0:00 | 061604SK100FSW001 | Sodium | 2130 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 6/16/2004 0:00 | 061604SK100FSW001 | Sodium | 1890 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 6/16/2004 0:00 | 061604SK100FSW001 | Specific Conductance | 45 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 6/16/2004 0:00 | 061604SK100FSW001 | Sulfate | 6.3 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 6/16/2004 0:00 | 061604SK100FSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 6/16/2004 0:00 | 061604SK100FSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 6/16/2004 0:00 | 061604SK100FSW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 6/16/2004 0:00 | 061604SK100FSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 6/16/2004 0:00 | 061604SK100FSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 6/16/2004 0:00 | 061604SK100FSW001 | Total Dissolved Solids | 47.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 6/16/2004 0:00 | 061604SK100FSW001 | Total Suspended Solids | 1.6 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 6/16/2004 0:00 | 061604SK100FSW001 | Vanadium | 0.415 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 6/16/2004 0:00 | 061604SK100FSW001 | Vanadium | 0.287 | UG/L | J | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 6/16/2004 0:00 | 061604SK100FSW001 | Zinc | 1.86 | UG/L | BQ1 | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 6/16/2004 0:00 | 061604SK100FSW001 | Zinc | 1.85 | UG/L | BQ1 | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100F | 7/14/2004 0:00 | 071404SK100FSW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 7/14/2004 0:00 | 071404SK100FSW001 | Alkalinity, Total | 23 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 7/14/2004 0:00 | 071404SK100FSW001 | Aluminum | 90.3 | UG/L | | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 7/14/2004 0:00 | 071404SK100FSW001 | Aluminum | 31.1 | UG/L | BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 7/14/2004 0:00 | 071404SK100FSW001 | Antimony | 0.23 | UG/L | BQ,BQ1 | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 7/14/2004 0:00 | 071404SK100FSW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 7/14/2004 0:00 | 071404SK100FSW001 | Arsenic | 1.04 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 7/14/2004 0:00 | 071404SK100FSW001 | Arsenic | 0.911 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 7/14/2004 0:00 | 071404SK100FSW001 | Barium | 3.95 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 7/14/2004 0:00 | 071404SK100FSW001 | Barium | 2.46 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 7/14/2004 0:00 | 071404SK100FSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 7/14/2004 0:00 | 071404SK100FSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 7/14/2004 0:00 | 071404SK100FSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 7/14/2004 0:00 | 071404SK100FSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 7/14/2004 0:00 | 071404SK100FSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 7/14/2004 0:00 | 071404SK100FSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 7/14/2004 0:00 | 071404SK100FSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 7/14/2004 0:00 | 071404SK100FSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 7/14/2004 0:00 | 071404SK100FSW001 | Calcium | 6540 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 7/14/2004 0:00 | 071404SK100FSW001 | Calcium | 6250 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 7/14/2004 0:00 | 071404SK100FSW001 | Chloride | 0.554 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 7/14/2004 0:00 | 071404SK100FSW001 | Chromium | 0.199 | UG/L | BQ1,J | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 7/14/2004 0:00 | 071404SK100FSW001 | Chromium | 0.198 | UG/L | BQ1,J | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 7/14/2004 0:00 | 071404SK100FSW001 | Cobalt | 0.829 | UG/L | BQ1,J | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 7/14/2004 0:00 | 071404SK100FSW001 | Cobalt | 0.142 | UG/L | BQ1,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 7/14/2004 0:00 | 071404SK100FSW001 | Copper | 2.21 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 7/14/2004 0:00 | 071404SK100FSW001 | Copper | 2.64 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 7/14/2004 0:00 | 071404SK100FSW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 7/14/2004 0:00 | 071404SK100FSW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100F | 7/14/2004 0:00 | 071404SK100FSW001 | Fluoride | 0.052 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 7/14/2004 0:00 | 071404SK100FSW001 | Hardness as CaCO3 | 22.2 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 7/14/2004 0:00 | 071404SK100FSW001 | Hardness as CaCO3 | 22.5 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 7/14/2004 0:00 | 071404SK100FSW001 | Iron | 578 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 7/14/2004 0:00 | 071404SK100FSW001 | Iron | 1010 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 7/14/2004 0:00 | 071404SK100FSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 7/14/2004 0:00 | 071404SK100FSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 7/14/2004 0:00 | 071404SK100FSW001 | Magnesium | 1500 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 7/14/2004 0:00 | 071404SK100FSW001 | Magnesium | 1590 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 7/14/2004 0:00 | 071404SK100FSW001 | Manganese | 23 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 7/14/2004 0:00 | 071404SK100FSW001 | Manganese | 97.6 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 7/14/2004 0:00 | 071404SK100FSW001 | Molybdenum | 1.01 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 7/14/2004 0:00 | 071404SK100FSW001 | Molybdenum | 1.28 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 7/14/2004 0:00 | 071404SK100FSW001 | Nickel | 0.71 | UG/L | J | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 7/14/2004 0:00 | 071404SK100FSW001 | Nickel | 0.411 | UG/L | BQ1,J | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 7/14/2004 0:00 | 071404SK100FSW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 7/14/2004 0:00 | 071404SK100FSW001 | Nitrogen, Nitrate-Nitrite | 3.1 | MG/L | | 2 | 0.62 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 7/14/2004 0:00 | 071404SK100FSW001 | pH | 8.4 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 7/14/2004 0:00 | 071404SK100FSW001 | Phosphorus, Total (as P) | 0.368 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 7/14/2004 0:00 | 071404SK100FSW001 | Potassium | 200 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 7/14/2004 0:00 | 071404SK100FSW001 | Potassium | 212 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 7/14/2004 0:00 | 071404SK100FSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 7/14/2004 0:00 | 071404SK100FSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 7/14/2004 0:00 | 071404SK100FSW001 | Silicon | 1940 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 7/14/2004 0:00 | 071404SK100FSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 7/14/2004 0:00 | 071404SK100FSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 7/14/2004 0:00 | 071404SK100FSW001 | Sodium | 2610 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 7/14/2004 0:00 | 071404SK100FSW001 | Sodium | 2620 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 7/14/2004 0:00 | 071404SK100FSW001 | Specific Conductance | 60 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100F | 7/14/2004 0:00 | 071404SK100FSW001 | Sulfate | 6.15 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 7/14/2004 0:00 | 071404SK100FSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 7/14/2004 0:00 | 071404SK100FSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 7/14/2004 0:00 | 071404SK100FSW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 7/14/2004 0:00 | 071404SK100FSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 7/14/2004 0:00 | 071404SK100FSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 7/14/2004 0:00 | 071404SK100FSW001 | Total Dissolved Solids | 48.8 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 7/14/2004 0:00 | 071404SK100FSW001 | Total Suspended Solids | 4.6 | MG/L | | 1 | 0.3 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 7/14/2004 0:00 | 071404SK100FSW001 | Vanadium | 0.639 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 7/14/2004 0:00 | 071404SK100FSW001 | Vanadium | 0.74 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 7/14/2004 0:00 | 071404SK100FSW001 | Zinc | 2.18 | UG/L | BQ1 | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 7/14/2004 0:00 | 071404SK100FSW001 | Zinc | 2.07 | UG/L | BQ1 | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 4/28/2004 0:00 | 042804SK100GSW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 4/28/2004 0:00 | 042804SK100GSW001 | Alkalinity, Total | 13 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 4/28/2004 0:00 | 042804SK100GSW001 | Aluminum | 64 | UG/L | | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 4/28/2004 0:00 | 042804SK100GSW001 | Aluminum | 13.3 | UG/L | J, BQ1 | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 4/28/2004 0:00 | 042804SK100GSW001 | Antimony | 0 | UG/L | J | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 4/28/2004 0:00 | 042804SK100GSW001 | Antimony | 0.461 | UG/L | J, BQ1 | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 4/28/2004 0:00 | 042804SK100GSW001 | Arsenic | 0.36 | UG/L | J | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 4/28/2004 0:00 | 042804SK100GSW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 4/28/2004 0:00 | 042804SK100GSW001 | Barium | 5.3 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 4/28/2004 0:00 | 042804SK100GSW001 | Barium | 4.3 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 4/28/2004 0:00 | 042804SK100GSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 4/28/2004 0:00 | 042804SK100GSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 4/28/2004 0:00 | 042804SK100GSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 4/28/2004 0:00 | 042804SK100GSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 4/28/2004 0:00 | 042804SK100GSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 4/28/2004 0:00 | 042804SK100GSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 4/28/2004 0:00 | 042804SK100GSW001 | Cadmium | 0.0398 | UG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100G | 4/28/2004 0:00 | 042804SK100GSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 4/28/2004 0:00 | 042804SK100GSW001 | Calcium | 4780 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 4/28/2004 0:00 | 042804SK100GSW001 | Calcium | 4490 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 4/28/2004 0:00 | 042804SK100GSW001 | Chloride | 0.871 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 4/28/2004 0:00 | 042804SK100GSW001 | Chromium | 0.296 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 4/28/2004 0:00 | 042804SK100GSW001 | Chromium | 0.152 | UG/L | J | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 4/28/2004 0:00 | 042804SK100GSW001 | Cobalt | 0.253 | UG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 4/28/2004 0:00 | 042804SK100GSW001 | Cobalt | 0.437 | UG/L | J | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 4/28/2004 0:00 | 042804SK100GSW001 | Copper | 4.9 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 4/28/2004 0:00 | 042804SK100GSW001 | Copper | 2.62 | UG/L | BQ | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 4/28/2004 0:00 | 042804SK100GSW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 4/28/2004 0:00 | 042804SK100GSW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 4/28/2004 0:00 | 042804SK100GSW001 | Fluoride | 0.032 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 4/28/2004 0:00 | 042804SK100GSW001 | Hardness as CaCO3 | 17.3 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 4/28/2004 0:00 | 042804SK100GSW001 | Hardness as CaCO3 | 16.5 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 4/28/2004 0:00 | 042804SK100GSW001 | Iron | 914 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 4/28/2004 0:00 | 042804SK100GSW001 | Iron | 427 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 4/28/2004 0:00 | 042804SK100GSW001 | Lead | 0.546 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 4/28/2004 0:00 | 042804SK100GSW001 | Lead | 0.261 | UG/L | BQ1 | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 4/28/2004 0:00 | 042804SK100GSW001 | Magnesium | 1310 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 4/28/2004 0:00 | 042804SK100GSW001 | Magnesium | 1280 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 4/28/2004 0:00 | 042804SK100GSW001 | Manganese | 86.3 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 4/28/2004 0:00 | 042804SK100GSW001 | Manganese | 75.3 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 4/28/2004 0:00 | 042804SK100GSW001 | Molybdenum | 0.485 | UG/L | J | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 4/28/2004 0:00 | 042804SK100GSW001 | Molybdenum | 0.532 | UG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 4/28/2004 0:00 | 042804SK100GSW001 | Nickel | 1.31 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 4/28/2004 0:00 | 042804SK100GSW001 | Nickel | 1.04 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 4/28/2004 0:00 | 042804SK100GSW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 4/28/2004 0:00 | 042804SK100GSW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | R | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100G | 4/28/2004 0:00 | 042804SK100GSW001 | pH | 6.8 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 4/28/2004 0:00 | 042804SK100GSW001 | Phosphorus, Total (as P) | 0.044 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 4/28/2004 0:00 | 042804SK100GSW001 | Potassium | 477 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 4/28/2004 0:00 | 042804SK100GSW001 | Potassium | 432 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 4/28/2004 0:00 | 042804SK100GSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 4/28/2004 0:00 | 042804SK100GSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 4/28/2004 0:00 | 042804SK100GSW001 | Silicon | 3420 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 4/28/2004 0:00 | 042804SK100GSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 4/28/2004 0:00 | 042804SK100GSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 4/28/2004 0:00 | 042804SK100GSW001 | Sodium | 1900 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 4/28/2004 0:00 | 042804SK100GSW001 | Sodium | 1790 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 4/28/2004 0:00 | 042804SK100GSW001 | Specific Conductance | 46 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 4/28/2004 0:00 | 042804SK100GSW001 | Sulfate | 6.85 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 4/28/2004 0:00 | 042804SK100GSW001 | Thallium | 0.0277 | UG/L | J | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 4/28/2004 0:00 | 042804SK100GSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 4/28/2004 0:00 | 042804SK100GSW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 4/28/2004 0:00 | 042804SK100GSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 4/28/2004 0:00 | 042804SK100GSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 4/28/2004 0:00 | 042804SK100GSW001 | Total Dissolved Solids | 51.3 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 4/28/2004 0:00 | 042804SK100GSW001 | Total Suspended Solids | 5.6 | MG/L | | 1 | 0.3 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 4/28/2004 0:00 | 042804SK100GSW001 | Vanadium | 0.27 | UG/L | J | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 4/28/2004 0:00 | 042804SK100GSW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 4/28/2004 0:00 | 042804SK100GSW001 | Zinc | 9.34 | UG/L | BQ | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 4/28/2004 0:00 | 042804SK100GSW001 | Zinc | 6.77 | UG/L | | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 5/18/2004 0:00 | 051804SK100GSW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 5/18/2004 0:00 | 051804SK100GSW001 | Alkalinity, Total | 8.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 5/18/2004 0:00 | 051804SK100GSW001 | Aluminum | 64.1 | UG/L | | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 5/18/2004 0:00 | 051804SK100GSW001 | Aluminum | 28.4 | UG/L | | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 5/18/2004 0:00 | 051804SK100GSW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100G | 5/18/2004 0:00 | 051804SK100GSW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 5/18/2004 0:00 | 051804SK100GSW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 5/18/2004 0:00 | 051804SK100GSW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 5/18/2004 0:00 | 051804SK100GSW001 | Barium | 4.06 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 5/18/2004 0:00 | 051804SK100GSW001 | Barium | 2.53 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 5/18/2004 0:00 | 051804SK100GSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 5/18/2004 0:00 | 051804SK100GSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 5/18/2004 0:00 | 051804SK100GSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 5/18/2004 0:00 | 051804SK100GSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 5/18/2004 0:00 | 051804SK100GSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 5/18/2004 0:00 | 051804SK100GSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 5/18/2004 0:00 | 051804SK100GSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 5/18/2004 0:00 | 051804SK100GSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 5/18/2004 0:00 | 051804SK100GSW001 | Calcium | 3500 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 5/18/2004 0:00 | 051804SK100GSW001 | Calcium | 3400 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 5/18/2004 0:00 | 051804SK100GSW001 | Chloride | 0.6 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 5/18/2004 0:00 | 051804SK100GSW001 | Chromium | 0.103 | UG/L | J,BQ1 | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 5/18/2004 0:00 | 051804SK100GSW001 | Chromium | 0.151 | UG/L | J,BQ1 | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 5/18/2004 0:00 | 051804SK100GSW001 | Cobalt | 0.144 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 5/18/2004 0:00 | 051804SK100GSW001 | Cobalt | 1.8 | UG/L | J+ | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 5/18/2004 0:00 | 051804SK100GSW001 | Copper | 4.21 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 5/18/2004 0:00 | 051804SK100GSW001 | Copper | 2.96 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 5/18/2004 0:00 | 051804SK100GSW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 5/18/2004 0:00 | 051804SK100GSW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 5/18/2004 0:00 | 051804SK100GSW001 | Fluoride | 0.046 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 5/18/2004 0:00 | 051804SK100GSW001 | Hardness as CaCO3 | 12.4 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 5/18/2004 0:00 | 051804SK100GSW001 | Hardness as CaCO3 | 12.4 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 5/18/2004 0:00 | 051804SK100GSW001 | Iron | 356 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 5/18/2004 0:00 | 051804SK100GSW001 | Iron | 210 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100G | 5/18/2004 0:00 | 051804SK100GSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 5/18/2004 0:00 | 051804SK100GSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 5/18/2004 0:00 | 051804SK100GSW001 | Magnesium | 890 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 5/18/2004 0:00 | 051804SK100GSW001 | Magnesium | 936 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 5/18/2004 0:00 | 051804SK100GSW001 | Manganese | 25.2 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 5/18/2004 0:00 | 051804SK100GSW001 | Manganese | 23.7 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 5/18/2004 0:00 | 051804SK100GSW001 | Molybdenum | 0.382 | UG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 5/18/2004 0:00 | 051804SK100GSW001 | Molybdenum | 0.518 | UG/L | J | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 5/18/2004 0:00 | 051804SK100GSW001 | Nickel | 0.43 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 5/18/2004 0:00 | 051804SK100GSW001 | Nickel | 0.506 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 5/18/2004 0:00 | 051804SK100GSW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 5/18/2004 0:00 | 051804SK100GSW001 | Nitrogen, Nitrate-Nitrite | 0.041 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 5/18/2004 0:00 | 051804SK100GSW001 | pH | 6.7 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 5/18/2004 0:00 | 051804SK100GSW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 5/18/2004 0:00 | 051804SK100GSW001 | Potassium | 336 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 5/18/2004 0:00 | 051804SK100GSW001 | Potassium | 334 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 5/18/2004 0:00 | 051804SK100GSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 5/18/2004 0:00 | 051804SK100GSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 5/18/2004 0:00 | 051804SK100GSW001 | Silicon | 3160 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 5/18/2004 0:00 | 051804SK100GSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 5/18/2004 0:00 | 051804SK100GSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 5/18/2004 0:00 | 051804SK100GSW001 | Sodium | 1590 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 5/18/2004 0:00 | 051804SK100GSW001 | Sodium | 1700 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 5/18/2004 0:00 | 051804SK100GSW001 | Specific Conductance | 39 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 5/18/2004 0:00 | 051804SK100GSW001 | Sulfate | 6.62 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 5/18/2004 0:00 | 051804SK100GSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 5/18/2004 0:00 | 051804SK100GSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 5/18/2004 0:00 | 051804SK100GSW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 5/18/2004 0:00 | 051804SK100GSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100G | 5/18/2004 0:00 | 051804SK100GSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 5/18/2004 0:00 | 051804SK100GSW001 | Total Dissolved Solids | 37.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 5/18/2004 0:00 | 051804SK100GSW001 | Total Suspended Solids | 2.42 | MG/L | | 0.526 | 0.158 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 5/18/2004 0:00 | 051804SK100GSW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 5/18/2004 0:00 | 051804SK100GSW001 | Vanadium | 0.308 | UG/L | J,BQ1 | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 5/18/2004 0:00 | 051804SK100GSW001 | Zinc | 2.74 | UG/L | BQ1,BQ | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 5/18/2004 0:00 | 051804SK100GSW001 | Zinc | 2.47 | UG/L | BQ1 | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 6/1/2004 0:00 | 060104SK100GSW001 | Alkalinity, Total | 13 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 6/15/2004 0:00 | 061604SK100GSW001 | Acidity, Total | 3.8 | MG/L | J | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 6/15/2004 0:00 | 061604SK100GSW001 | Alkalinity, Total | 20.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 6/15/2004 0:00 | 061604SK100GSW001 | Aluminum | 34.5 | UG/L | BQ,BQ1 | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 6/15/2004 0:00 | 061604SK100GSW001 | Antimony | 0.996 | UG/L | J+ | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 6/15/2004 0:00 | 061604SK100GSW001 | Arsenic | 0.335 | UG/L | J | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 6/15/2004 0:00 | 061604SK100GSW001 | Barium | 4.73 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 6/15/2004 0:00 | 061604SK100GSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 6/15/2004 0:00 | 061604SK100GSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 6/15/2004 0:00 | 061604SK100GSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 6/15/2004 0:00 | 061604SK100GSW001 | Cadmium | 0.0564 | UG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 6/15/2004 0:00 | 061604SK100GSW001 | Calcium | 6310 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 6/15/2004 0:00 | 061604SK100GSW001 | Chloride | 0.574 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 6/15/2004 0:00 | 061604SK100GSW001 | Chromium | 0.702 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 6/15/2004 0:00 | 061604SK100GSW001 | Cobalt | 0.167 | UG/L | BQ1 | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 6/15/2004 0:00 | 061604SK100GSW001 | Copper | 4.07 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 6/15/2004 0:00 | 061604SK100GSW001 | Cyanide | 0.008 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 6/15/2004 0:00 | 061604SK100GSW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 6/15/2004 0:00 | 061604SK100GSW001 | Fluoride | 0.077 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 6/15/2004 0:00 | 061604SK100GSW001 | Hardness as CaCO3 | 22.8 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 6/15/2004 0:00 | 061604SK100GSW001 | Iron | 693 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 6/15/2004 0:00 | 061604SK100GSW001 | Lead | 0.179 | UG/L | J | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100G | 6/15/2004 0:00 | 061604SK100GSW001 | Magnesium | 1710 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 6/15/2004 0:00 | 061604SK100GSW001 | Manganese | 50 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 6/15/2004 0:00 | 061604SK100GSW001 | Molybdenum | 0.904 | UG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 6/15/2004 0:00 | 061604SK100GSW001 | Nickel | 0.537 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 6/15/2004 0:00 | 061604SK100GSW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 6/15/2004 0:00 | 061604SK100GSW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | R | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 6/15/2004 0:00 | 061604SK100GSW001 | pH | 6.93 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 6/15/2004 0:00 | 061604SK100GSW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 6/15/2004 0:00 | 061604SK100GSW001 | Potassium | 364 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 6/15/2004 0:00 | 061604SK100GSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 6/15/2004 0:00 | 061604SK100GSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 6/15/2004 0:00 | 061604SK100GSW001 | Sodium | 2670 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 6/15/2004 0:00 | 061604SK100GSW001 | Specific Conductance | 70 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 6/15/2004 0:00 | 061604SK100GSW001 | Sulfate | 11.4 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 6/15/2004 0:00 | 061604SK100GSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 6/15/2004 0:00 | 061604SK100GSW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 6/15/2004 0:00 | 061604SK100GSW001 | Tin | 7.23 | UG/L | J+ | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 6/15/2004 0:00 | 061604SK100GSW001 | Total Dissolved Solids | 77.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 6/15/2004 0:00 | 061604SK100GSW001 | Total Suspended Solids | 2.05 | MG/L | | 0.513 | 0.154 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 6/15/2004 0:00 | 061604SK100GSW001 | Vanadium | 0.533 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 6/15/2004 0:00 | 061604SK100GSW001 | Zinc | 4.3 | UG/L | | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 6/16/2004 0:00 | 061604SK100GSW001 | Aluminum | 24.9 | UG/L | BQ,BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 6/16/2004 0:00 | 061604SK100GSW001 | Antimony | 0.143 | UG/L | | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 6/16/2004 0:00 | 061604SK100GSW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 6/16/2004 0:00 | 061604SK100GSW001 | Barium | 4.25 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 6/16/2004 0:00 | 061604SK100GSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 6/16/2004 0:00 | 061604SK100GSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 6/16/2004 0:00 | 061604SK100GSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 6/16/2004 0:00 | 061604SK100GSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100G | 6/16/2004 0:00 | 061604SK100GSW001 | Calcium | 6390 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 6/16/2004 0:00 | 061604SK100GSW001 | Chromium | 0.129 | UG/L | J | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 6/16/2004 0:00 | 061604SK100GSW001 | Cobalt | 2.03 | UG/L | BQ1 | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 6/16/2004 0:00 | 061604SK100GSW001 | Copper | 2.77 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 6/16/2004 0:00 | 061604SK100GSW001 | Hardness as CaCO3 | 23 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 6/16/2004 0:00 | 061604SK100GSW001 | Iron | 428 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 6/16/2004 0:00 | 061604SK100GSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 6/16/2004 0:00 | 061604SK100GSW001 | Magnesium | 1710 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 6/16/2004 0:00 | 061604SK100GSW001 | Manganese | 51.5 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 6/16/2004 0:00 | 061604SK100GSW001 | Molybdenum | 0.793 | UG/L | J | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 6/16/2004 0:00 | 061604SK100GSW001 | Nickel | 0.529 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 6/16/2004 0:00 | 061604SK100GSW001 | Potassium | 348 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 6/16/2004 0:00 | 061604SK100GSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 6/16/2004 0:00 | 061604SK100GSW001 | Silicon | 3650 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 6/16/2004 0:00 | 061604SK100GSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 6/16/2004 0:00 | 061604SK100GSW001 | Sodium | 2750 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 6/16/2004 0:00 | 061604SK100GSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 6/16/2004 0:00 | 061604SK100GSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 6/16/2004 0:00 | 061604SK100GSW001 | Vanadium | 0.279 | UG/L | J | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 6/16/2004 0:00 | 061604SK100GSW001 | Zinc | 3.24 | UG/L | | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 7/15/2004 0:00 | 071504SK100GSW001 | Acidity, Total | 3.9 | MG/L | J | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 7/15/2004 0:00 | 071504SK100GSW001 | Alkalinity, Total | 27 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 7/15/2004 0:00 | 071504SK100GSW001 | Aluminum | 29.3 | UG/L | BQ1 | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 7/15/2004 0:00 | 071504SK100GSW001 | Aluminum | 24 | UG/L | BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 7/15/2004 0:00 | 071504SK100GSW001 | Antimony | 0 | UG/L | J | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 7/15/2004 0:00 | 071504SK100GSW001 | Antimony | 0.66 | UG/L | BQ,BQ1,J | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 7/15/2004 0:00 | 071504SK100GSW001 | Arsenic | 0.3 | UG/L | J | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 7/15/2004 0:00 | 071504SK100GSW001 | Arsenic | 0.464 | UG/L | J | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 7/15/2004 0:00 | 071504SK100GSW001 | Barium | 5.62 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100G | 7/15/2004 0:00 | 071504SK100GSW001 | Barium | 6.07 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 7/15/2004 0:00 | 071504SK100GSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 7/15/2004 0:00 | 071504SK100GSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 7/15/2004 0:00 | 071504SK100GSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 7/15/2004 0:00 | 071504SK100GSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 7/15/2004 0:00 | 071504SK100GSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 7/15/2004 0:00 | 071504SK100GSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 7/15/2004 0:00 | 071504SK100GSW001 | Cadmium | 0.0758 | UG/L | BQ1,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 7/15/2004 0:00 | 071504SK100GSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 7/15/2004 0:00 | 071504SK100GSW001 | Calcium | 7490 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 7/15/2004 0:00 | 071504SK100GSW001 | Calcium | 7880 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 7/15/2004 0:00 | 071504SK100GSW001 | Chloride | 0.579 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 7/15/2004 0:00 | 071504SK100GSW001 | Chromium | 0.208 | UG/L | BQ1 | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 7/15/2004 0:00 | 071504SK100GSW001 | Chromium | 0.22 | UG/L | BQ1 | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 7/15/2004 0:00 | 071504SK100GSW001 | Cobalt | 0.116 | UG/L | BQ1,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 7/15/2004 0:00 | 071504SK100GSW001 | Cobalt | 4.11 | UG/L | J | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 7/15/2004 0:00 | 071504SK100GSW001 | Copper | 3.21 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 7/15/2004 0:00 | 071504SK100GSW001 | Copper | 3.05 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 7/15/2004 0:00 | 071504SK100GSW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 7/15/2004 0:00 | 071504SK100GSW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 7/15/2004 0:00 | 071504SK100GSW001 | Fluoride | 0.077 | MG/L | BQ,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 7/15/2004 0:00 | 071504SK100GSW001 | Hardness as CaCO3 | 26.6 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 7/15/2004 0:00 | 071504SK100GSW001 | Hardness as CaCO3 | 28.1 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 7/15/2004 0:00 | 071504SK100GSW001 | Iron | 1080 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 7/15/2004 0:00 | 071504SK100GSW001 | Iron | 1000 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 7/15/2004 0:00 | 071504SK100GSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 7/15/2004 0:00 | 071504SK100GSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 7/15/2004 0:00 | 071504SK100GSW001 | Magnesium | 1920 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 7/15/2004 0:00 | 071504SK100GSW001 | Magnesium | 2040 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100G | 7/15/2004 0:00 | 071504SK100GSW001 | Manganese | 105 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 7/15/2004 0:00 | 071504SK100GSW001 | Manganese | 118 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 7/15/2004 0:00 | 071504SK100GSW001 | Molybdenum | 0.646 | UG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 7/15/2004 0:00 | 071504SK100GSW001 | Molybdenum | 1.75 | UG/L | J | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 7/15/2004 0:00 | 071504SK100GSW001 | Nickel | 0.477 | UG/L | BQ1,J | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 7/15/2004 0:00 | 071504SK100GSW001 | Nickel | 0.81 | UG/L | J | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 7/15/2004 0:00 | 071504SK100GSW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 7/15/2004 0:00 | 071504SK100GSW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | | 2 | 0.62 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 7/15/2004 0:00 | 071504SK100GSW001 | pH | 7.42 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 7/15/2004 0:00 | 071504SK100GSW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 7/15/2004 0:00 | 071504SK100GSW001 | Potassium | 332 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 7/15/2004 0:00 | 071504SK100GSW001 | Potassium | 373 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 7/15/2004 0:00 | 071504SK100GSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 7/15/2004 0:00 | 071504SK100GSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 7/15/2004 0:00 | 071504SK100GSW001 | Silicon | 4590 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 7/15/2004 0:00 | 071504SK100GSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 7/15/2004 0:00 | 071504SK100GSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 7/15/2004 0:00 | 071504SK100GSW001 | Sodium | 2800 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 7/15/2004 0:00 | 071504SK100GSW001 | Sodium | 3060 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 7/15/2004 0:00 | 071504SK100GSW001 | Specific Conductance | 81 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 7/15/2004 0:00 | 071504SK100GSW001 | Sulfate | 9.08 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 7/15/2004 0:00 | 071504SK100GSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 7/15/2004 0:00 | 071504SK100GSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 7/15/2004 0:00 | 071504SK100GSW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 7/15/2004 0:00 | 071504SK100GSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 7/15/2004 0:00 | 071504SK100GSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 7/15/2004 0:00 | 071504SK100GSW001 | Total Dissolved Solids | 60 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 7/15/2004 0:00 | 071504SK100GSW001 | Total Suspended Solids | 1.6 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 7/15/2004 0:00 | 071504SK100GSW001 | Vanadium | 0.265 | UG/L | J | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100G | 7/15/2004 0:00 | 071504SK100GSW001 | Vanadium | 0.434 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 7/15/2004 0:00 | 071504SK100GSW001 | Zinc | 0.838 | UG/L | BQ1,J | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 7/15/2004 0:00 | 071504SK100GSW001 | Zinc | 1.17 | UG/L | BQ1,J | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 4/28/2004 0:00 | 042804SK119ASW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 4/28/2004 0:00 | 042804SK119ASW001 | Alkalinity, Total | 17.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 4/28/2004 0:00 | 042804SK119ASW001 | Aluminum | 19.4 | UG/L | J | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 4/28/2004 0:00 | 042804SK119ASW001 | Aluminum | 0 | UG/L | | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 4/28/2004 0:00 | 042804SK119ASW001 | Antimony | 0.246 | UG/L | | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 4/28/2004 0:00 | 042804SK119ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 4/28/2004 0:00 | 042804SK119ASW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 4/28/2004 0:00 | 042804SK119ASW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 4/28/2004 0:00 | 042804SK119ASW001 | Barium | 2.65 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 4/28/2004 0:00 | 042804SK119ASW001 | Barium | 2.8 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 4/28/2004 0:00 | 042804SK119ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 4/28/2004 0:00 | 042804SK119ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 4/28/2004 0:00 | 042804SK119ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 4/28/2004 0:00 | 042804SK119ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 4/28/2004 0:00 | 042804SK119ASW001 | Boron | 4.73 | UG/L | J | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 4/28/2004 0:00 | 042804SK119ASW001 | Boron | 3.19 | UG/L | J, BQ | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 4/28/2004 0:00 | 042804SK119ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 4/28/2004 0:00 | 042804SK119ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 4/28/2004 0:00 | 042804SK119ASW001 | Calcium | 5290 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 4/28/2004 0:00 | 042804SK119ASW001 | Calcium | 5180 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 4/28/2004 0:00 | 042804SK119ASW001 | Chloride | 1.07 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 4/28/2004 0:00 | 042804SK119ASW001 | Chromium | 0.101 | UG/L | J | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 4/28/2004 0:00 | 042804SK119ASW001 | Chromium | 0.111 | UG/L | J | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 4/28/2004 0:00 | 042804SK119ASW001 | Cobalt | 0.267 | UG/L | J | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 4/28/2004 0:00 | 042804SK119ASW001 | Cobalt | 0 | UG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 4/28/2004 0:00 | 042804SK119ASW001 | Copper | 2.03 | UG/L | BQ | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK119A | 4/28/2004 0:00 | 042804SK119ASW001 | Copper | 1.3 | UG/L | BQ | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 4/28/2004 0:00 | 042804SK119ASW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 4/28/2004 0:00 | 042804SK119ASW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 4/28/2004 0:00 | 042804SK119ASW001 | Fluoride | 0.034 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 4/28/2004 0:00 | 042804SK119ASW001 | Hardness as CaCO3 | 16.4 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 4/28/2004 0:00 | 042804SK119ASW001 | Hardness as CaCO3 | 16.2 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 4/28/2004 0:00 | 042804SK119ASW001 | Iron | 13.5 | UG/L | J | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 4/28/2004 0:00 | 042804SK119ASW001 | Iron | 37.2 | UG/L | J | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 4/28/2004 0:00 | 042804SK119ASW001 | Lead | 0.215 | UG/L | BQ1 | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 4/28/2004 0:00 | 042804SK119ASW001 | Lead | 0.217 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 4/28/2004 0:00 | 042804SK119ASW001 | Magnesium | 786 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 4/28/2004 0:00 | 042804SK119ASW001 | Magnesium | 780 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 4/28/2004 0:00 | 042804SK119ASW001 | Manganese | 1.59 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 4/28/2004 0:00 | 042804SK119ASW001 | Manganese | 1.47 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 4/28/2004 0:00 | 042804SK119ASW001 | Molybdenum | 0.389 | UG/L | J | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 4/28/2004 0:00 | 042804SK119ASW001 | Molybdenum | 0.426 | UG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 4/28/2004 0:00 | 042804SK119ASW001 | Nickel | 0.213 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 4/28/2004 0:00 | 042804SK119ASW001 | Nickel | 0.16 | UG/L | J | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 4/28/2004 0:00 | 042804SK119ASW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 4/28/2004 0:00 | 042804SK119ASW001 | Nitrogen, Nitrate-Nitrite | 0.215 | MG/L | J- | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 4/28/2004 0:00 | 042804SK119ASW001 | pH | 6.8 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 4/28/2004 0:00 | 042804SK119ASW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 4/28/2004 0:00 | 042804SK119ASW001 | Potassium | 168 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 4/28/2004 0:00 | 042804SK119ASW001 | Potassium | 151 | UG/L | BQ1 | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 4/28/2004 0:00 | 042804SK119ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 4/28/2004 0:00 | 042804SK119ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 4/28/2004 0:00 | 042804SK119ASW001 | Silicon | 5510 | UG/L | | 500 | 150 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 4/28/2004 0:00 | 042804SK119ASW001 | Silicon | 5590 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 4/28/2004 0:00 | 042804SK119ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK119A | 4/28/2004 0:00 | 042804SK119ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 4/28/2004 0:00 | 042804SK119ASW001 | Sodium | 2290 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 4/28/2004 0:00 | 042804SK119ASW001 | Sodium | 2400 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 4/28/2004 0:00 | 042804SK119ASW001 | Specific Conductance | 48 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 4/28/2004 0:00 | 042804SK119ASW001 | Sulfate | 2.8 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 4/28/2004 0:00 | 042804SK119ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 4/28/2004 0:00 | 042804SK119ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 4/28/2004 0:00 | 042804SK119ASW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 4/28/2004 0:00 | 042804SK119ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 4/28/2004 0:00 | 042804SK119ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 4/28/2004 0:00 | 042804SK119ASW001 | Total Dissolved Solids | 38.8 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 4/28/2004 0:00 | 042804SK119ASW001 | Total Suspended Solids | 0.41 | MG/L | J | 0.513 | 0.154 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 4/28/2004 0:00 | 042804SK119ASW001 | Vanadium | 0.393 | UG/L | J | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 4/28/2004 0:00 | 042804SK119ASW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 4/28/2004 0:00 | 042804SK119ASW001 | Zinc | 2.43 | UG/L | BQ | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 4/28/2004 0:00 | 042804SK119ASW001 | Zinc | 3.37 | UG/L | BQ | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 5/19/2004 0:00 | 051904SK119ASW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 5/19/2004 0:00 | 051904SK119ASW001 | Alkalinity, Total | 10.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 5/19/2004 0:00 | 051904SK119ASW001 | Aluminum | 47.4 | UG/L | | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 5/19/2004 0:00 | 051904SK119ASW001 | Aluminum | 33.4 | UG/L | | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 5/19/2004 0:00 | 051904SK119ASW001 | Antimony | 0.0976 | UG/L | J,BQ1,BQ | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 5/19/2004 0:00 | 051904SK119ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 5/19/2004 0:00 | 051904SK119ASW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 5/19/2004 0:00 | 051904SK119ASW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 5/19/2004 0:00 | 051904SK119ASW001 | Barium | 1.39 | UG/L | J | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 5/19/2004 0:00 | 051904SK119ASW001 | Barium | 1.9 | UG/L | J | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 5/19/2004 0:00 | 051904SK119ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 5/19/2004 0:00 | 051904SK119ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 5/19/2004 0:00 | 051904SK119ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK119A | 5/19/2004 0:00 | 051904SK119ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 5/19/2004 0:00 | 051904SK119ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 5/19/2004 0:00 | 051904SK119ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 5/19/2004 0:00 | 051904SK119ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 5/19/2004 0:00 | 051904SK119ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 5/19/2004 0:00 | 051904SK119ASW001 | Calcium | 2620 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 5/19/2004 0:00 | 051904SK119ASW001 | Calcium | 2730 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 5/19/2004 0:00 | 051904SK119ASW001 | Chloride | 0.688 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 5/19/2004 0:00 | 051904SK119ASW001 | Chromium | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 5/19/2004 0:00 | 051904SK119ASW001 | Chromium | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 5/19/2004 0:00 | 051904SK119ASW001 | Cobalt | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 5/19/2004 0:00 | 051904SK119ASW001 | Cobalt | 3.53 | UG/L | J+ | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 5/19/2004 0:00 | 051904SK119ASW001 | Copper | 0.419 | UG/L | BQ1,BQ | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 5/19/2004 0:00 | 051904SK119ASW001 | Copper | 0.569 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 5/19/2004 0:00 | 051904SK119ASW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 5/19/2004 0:00 | 051904SK119ASW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 5/19/2004 0:00 | 051904SK119ASW001 | Fluoride | 0.033 | MG/L | J,BQ | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 5/19/2004 0:00 | 051904SK119ASW001 | Hardness as CaCO3 | 8.36 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 5/19/2004 0:00 | 051904SK119ASW001 | Hardness as CaCO3 | 8.54 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 5/19/2004 0:00 | 051904SK119ASW001 | Iron | 54.7 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 5/19/2004 0:00 | 051904SK119ASW001 | Iron | 34.5 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 5/19/2004 0:00 | 051904SK119ASW001 | Lead | 0.119 | UG/L | J,BQ1 | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 5/19/2004 0:00 | 051904SK119ASW001 | Lead | 0.111 | UG/L | J,BQ1 | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 5/19/2004 0:00 | 051904SK119ASW001 | Magnesium | 440 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 5/19/2004 0:00 | 051904SK119ASW001 | Magnesium | 422 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 5/19/2004 0:00 | 051904SK119ASW001 | Manganese | 1.77 | UG/L | J | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 5/19/2004 0:00 | 051904SK119ASW001 | Manganese | 6.14 | UG/L | J | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 5/19/2004 0:00 | 051904SK119ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 5/19/2004 0:00 | 051904SK119ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK119A | 5/19/2004 0:00 | 051904SK119ASW001 | Nickel | 0.105 | UG/L | J,BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 5/19/2004 0:00 | 051904SK119ASW001 | Nickel | 0.377 | UG/L | J,BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 5/19/2004 0:00 | 051904SK119ASW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 5/19/2004 0:00 | 051904SK119ASW001 | Nitrogen, Nitrate-Nitrite | 0.089 | MG/L | J- | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 5/19/2004 0:00 | 051904SK119ASW001 | pH | 7.2 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 5/19/2004 0:00 | 051904SK119ASW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 5/19/2004 0:00 | 051904SK119ASW001 | Potassium | 125 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 5/19/2004 0:00 | 051904SK119ASW001 | Potassium | 140 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 5/19/2004 0:00 | 051904SK119ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 5/19/2004 0:00 | 051904SK119ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 5/19/2004 0:00 | 051904SK119ASW001 | Silicon | 3570 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 5/19/2004 0:00 | 051904SK119ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 5/19/2004 0:00 | 051904SK119ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 5/19/2004 0:00 | 051904SK119ASW001 | Sodium | 1430 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 5/19/2004 0:00 | 051904SK119ASW001 | Sodium | 1380 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 5/19/2004 0:00 | 051904SK119ASW001 | Specific Conductance | 26 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 5/19/2004 0:00 | 051904SK119ASW001 | Sulfate | 2.09 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 5/19/2004 0:00 | 051904SK119ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 5/19/2004 0:00 | 051904SK119ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 5/19/2004 0:00 | 051904SK119ASW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 5/19/2004 0:00 | 051904SK119ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 5/19/2004 0:00 | 051904SK119ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 5/19/2004 0:00 | 051904SK119ASW001 | Total Dissolved Solids | 45 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 5/19/2004 0:00 | 051904SK119ASW001 | Total Suspended Solids | 0.667 | MG/L | | 0.556 | 0.167 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 5/19/2004 0:00 | 051904SK119ASW001 | Vanadium | 0.491 | UG/L | BQ1,BQ | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 5/19/2004 0:00 | 051904SK119ASW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 5/19/2004 0:00 | 051904SK119ASW001 | Zinc | 2.11 | UG/L | BQ1 | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 5/19/2004 0:00 | 051904SK119ASW001 | Zinc | 2.6 | UG/L | BQ1,BQ | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 6/16/2004 0:00 | 061604SK119ASW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK119A | 6/16/2004 0:00 | 061604SK119ASW001 | Alkalinity, Total | 13.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 6/16/2004 0:00 | 061604SK119ASW001 | Aluminum | 15.7 | UG/L | BQ,BQ1,J | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 6/16/2004 0:00 | 061604SK119ASW001 | Aluminum | 0 | UG/L | | 62.5 | 19.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 6/16/2004 0:00 | 061604SK119ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 6/16/2004 0:00 | 061604SK119ASW001 | Antimony | 5.28 | UG/L | | 0.5 | 0.193 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 6/16/2004 0:00 | 061604SK119ASW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 6/16/2004 0:00 | 061604SK119ASW001 | Arsenic | 0 | UG/L | | 1.25 | 0.625 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 6/16/2004 0:00 | 061604SK119ASW001 | Barium | 1.45 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 6/16/2004 0:00 | 061604SK119ASW001 | Barium | 2.47 | UG/L | | 0.75 | 0.235 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 6/16/2004 0:00 | 061604SK119ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 6/16/2004 0:00 | 061604SK119ASW001 | Beryllium | 0 | UG/L | | 0.075 | 0.0375 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 6/16/2004 0:00 | 061604SK119ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 6/16/2004 0:00 | 061604SK119ASW001 | Bismuth | 0 | UG/L | | 12.5 | 3.75 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 6/16/2004 0:00 | 061604SK119ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 6/16/2004 0:00 | 061604SK119ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 6/16/2004 0:00 | 061604SK119ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 6/16/2004 0:00 | 061604SK119ASW001 | Cadmium | 0 | UG/L | | 0.25 | 0.0775 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 6/16/2004 0:00 | 061604SK119ASW001 | Calcium | 4000 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 6/16/2004 0:00 | 061604SK119ASW001 | Calcium | 4210 | UG/L | | 125 | 37.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 6/16/2004 0:00 | 061604SK119ASW001 | Chloride | 0.721 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 6/16/2004 0:00 | 061604SK119ASW001 | Chromium | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 6/16/2004 0:00 | 061604SK119ASW001 | Chromium | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 6/16/2004 0:00 | 061604SK119ASW001 | Cobalt | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 6/16/2004 0:00 | 061604SK119ASW001 | Cobalt | 2.52 | UG/L | BQ1 | 0.25 | 0.0775 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 6/16/2004 0:00 | 061604SK119ASW001 | Copper | 0.29 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 6/16/2004 0:00 | 061604SK119ASW001 | Copper | 0.362 | UG/L | BQ,BQ1,J | 0.5 | 0.155 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 6/16/2004 0:00 | 061604SK119ASW001 | Cyanide | 0.003 | MG/L | J | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 6/16/2004 0:00 | 061604SK119ASW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 6/16/2004 0:00 | 061604SK119ASW001 | Fluoride | 0.059 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK119A | 6/16/2004 0:00 | 061604SK119ASW001 | Hardness as CaCO3 | 12.6 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 6/16/2004 0:00 | 061604SK119ASW001 | Hardness as CaCO3 | 13.1 | MG/L | | 1.25 | 1.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 6/16/2004 0:00 | 061604SK119ASW001 | Iron | 41.5 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 6/16/2004 0:00 | 061604SK119ASW001 | Iron | 0 | UG/L | | 50 | 15.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 6/16/2004 0:00 | 061604SK119ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 6/16/2004 0:00 | 061604SK119ASW001 | Lead | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 6/16/2004 0:00 | 061604SK119ASW001 | Magnesium | 626 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 6/16/2004 0:00 | 061604SK119ASW001 | Magnesium | 627 | UG/L | | 50 | 15.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 6/16/2004 0:00 | 061604SK119ASW001 | Manganese | 1.32 | UG/L | BQ1 | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 6/16/2004 0:00 | 061604SK119ASW001 | Manganese | 4.68 | UG/L | BQ1 | 2.5 | 1.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 6/16/2004 0:00 | 061604SK119ASW001 | Molybdenum | 0.313 | UG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 6/16/2004 0:00 | 061604SK119ASW001 | Molybdenum | 0 | UG/L | | 2.5 | 0.775 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 6/16/2004 0:00 | 061604SK119ASW001 | Nickel | 0.126 | UG/L | BQ1,J | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 6/16/2004 0:00 | 061604SK119ASW001 | Nickel | 0.32 | UG/L | BQ1,J | 0.5 | 0.155 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 6/16/2004 0:00 | 061604SK119ASW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 6/16/2004 0:00 | 061604SK119ASW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | R | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 6/16/2004 0:00 | 061604SK119ASW001 | pH | 6.89 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 6/16/2004 0:00 | 061604SK119ASW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 6/16/2004 0:00 | 061604SK119ASW001 | Potassium | 132 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 6/16/2004 0:00 | 061604SK119ASW001 | Potassium | 136 | UG/L | | 125 | 37.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 6/16/2004 0:00 | 061604SK119ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 6/16/2004 0:00 | 061604SK119ASW001 | Selenium | 0 | UG/L | | 2.5 | 0.775 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 6/16/2004 0:00 | 061604SK119ASW001 | Silicon | 4230 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 6/16/2004 0:00 | 061604SK119ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 6/16/2004 0:00 | 061604SK119ASW001 | Silver | 0 | UG/L | | 0.05 | 0.0155 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 6/16/2004 0:00 | 061604SK119ASW001 | Sodium | 1880 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 6/16/2004 0:00 | 061604SK119ASW001 | Sodium | 2080 | UG/L | | 250 | 77.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 6/16/2004 0:00 | 061604SK119ASW001 | Specific Conductance | 40 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 6/16/2004 0:00 | 061604SK119ASW001 | Sulfate | 2.97 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK119A | 6/16/2004 0:00 | 061604SK119ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 6/16/2004 0:00 | 061604SK119ASW001 | Thallium | 0 | UG/L | | 0.125 | 0.0625 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 6/16/2004 0:00 | 061604SK119ASW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 6/16/2004 0:00 | 061604SK119ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 6/16/2004 0:00 | 061604SK119ASW001 | Tin | 1.2 | UG/L | J | 2.5 | 0.775 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 6/16/2004 0:00 | 061604SK119ASW001 | Total Dissolved Solids | 38.8 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 6/16/2004 0:00 | 061604SK119ASW001 | Total Suspended Solids | 0.8 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 6/16/2004 0:00 | 061604SK119ASW001 | Vanadium | 0.633 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 6/16/2004 0:00 | 061604SK119ASW001 | Vanadium | 0.81 | UG/L | J | 1 | 0.625 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 6/16/2004 0:00 | 061604SK119ASW001 | Zinc | 1.52 | UG/L | BQ1 | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 6/16/2004 0:00 | 061604SK119ASW001 | Zinc | 2.42 | UG/L | BQ1,J | 3.75 | 1.18 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 7/13/2004 0:00 | 071304SK119ASW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 7/13/2004 0:00 | 071304SK119ASW001 | Alkalinity, Total | 20 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 7/13/2004 0:00 | 071304SK119ASW001 | Aluminum | 19.9 | UG/L | BQ,BQ1,J | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 7/13/2004 0:00 | 071304SK119ASW001 | Aluminum | 14.8 | UG/L | BQ,BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 7/13/2004 0:00 | 071304SK119ASW001 | Antimony | 6.09 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 7/13/2004 0:00 | 071304SK119ASW001 | Antimony | 0.511 | UG/L | BQ1 | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 7/13/2004 0:00 | 071304SK119ASW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 7/13/2004 0:00 | 071304SK119ASW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 7/13/2004 0:00 | 071304SK119ASW001 | Barium | 2.83 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 7/13/2004 0:00 | 071304SK119ASW001 | Barium | 2.73 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 7/13/2004 0:00 | 071304SK119ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 7/13/2004 0:00 | 071304SK119ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 7/13/2004 0:00 | 071304SK119ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 7/13/2004 0:00 | 071304SK119ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 7/13/2004 0:00 | 071304SK119ASW001 | Boron | 5.9 | UG/L | J | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 7/13/2004 0:00 | 071304SK119ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 7/13/2004 0:00 | 071304SK119ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 7/13/2004 0:00 | 071304SK119ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK119A | 7/13/2004 0:00 | 071304SK119ASW001 | Calcium | 5010 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 7/13/2004 0:00 | 071304SK119ASW001 | Calcium | 5150 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 7/13/2004 0:00 | 071304SK119ASW001 | Chloride | 0.564 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 7/13/2004 0:00 | 071304SK119ASW001 | Chromium | 0.191 | UG/L | BQ1,J | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 7/13/2004 0:00 | 071304SK119ASW001 | Chromium | 0.126 | UG/L | BQ1,J | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 7/13/2004 0:00 | 071304SK119ASW001 | Cobalt | 0 | UG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 7/13/2004 0:00 | 071304SK119ASW001 | Cobalt | 2.74 | UG/L | J | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 7/13/2004 0:00 | 071304SK119ASW001 | Copper | 0.357 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 7/13/2004 0:00 | 071304SK119ASW001 | Copper | 0.251 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 7/13/2004 0:00 | 071304SK119ASW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 7/13/2004 0:00 | 071304SK119ASW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 7/13/2004 0:00 | 071304SK119ASW001 | Fluoride | 0.057 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 7/13/2004 0:00 | 071304SK119ASW001 | Hardness as CaCO3 | 15.5 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 7/13/2004 0:00 | 071304SK119ASW001 | Hardness as CaCO3 | 16 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 7/13/2004 0:00 | 071304SK119ASW001 | Iron | 19.5 | UG/L | BQ1,J | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 7/13/2004 0:00 | 071304SK119ASW001 | Iron | 11.5 | UG/L | BQ1,J | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 7/13/2004 0:00 | 071304SK119ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 7/13/2004 0:00 | 071304SK119ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 7/13/2004 0:00 | 071304SK119ASW001 | Magnesium | 725 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 7/13/2004 0:00 | 071304SK119ASW001 | Magnesium | 754 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 7/13/2004 0:00 | 071304SK119ASW001 | Manganese | 2.78 | UG/L | J | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 7/13/2004 0:00 | 071304SK119ASW001 | Manganese | 6.1 | UG/L | J | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 7/13/2004 0:00 | 071304SK119ASW001 | Molybdenum | 0.493 | UG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 7/13/2004 0:00 | 071304SK119ASW001 | Molybdenum | 0.329 | UG/L | J | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 7/13/2004 0:00 | 071304SK119ASW001 | Nickel | 0.201 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 7/13/2004 0:00 | 071304SK119ASW001 | Nickel | 0.377 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 7/13/2004 0:00 | 071304SK119ASW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 7/13/2004 0:00 | 071304SK119ASW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 7/13/2004 0:00 | 071304SK119ASW001 | pH | 7.62 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK119A | 7/13/2004 0:00 | 071304SK119ASW001 | Phosphorus, Total (as P) | 0.0326 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 7/13/2004 0:00 | 071304SK119ASW001 | Potassium | 193 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 7/13/2004 0:00 | 071304SK119ASW001 | Potassium | 196 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 7/13/2004 0:00 | 071304SK119ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 7/13/2004 0:00 | 071304SK119ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 7/13/2004 0:00 | 071304SK119ASW001 | Silicon | 5130 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 7/13/2004 0:00 | 071304SK119ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 7/13/2004 0:00 | 071304SK119ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 7/13/2004 0:00 | 071304SK119ASW001 | Sodium | 2240 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 7/13/2004 0:00 | 071304SK119ASW001 | Sodium | 2300 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 7/13/2004 0:00 | 071304SK119ASW001 | Specific Conductance | 43 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 7/13/2004 0:00 | 071304SK119ASW001 | Sulfate | 3.76 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 7/13/2004 0:00 | 071304SK119ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 7/13/2004 0:00 | 071304SK119ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 7/13/2004 0:00 | 071304SK119ASW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 7/13/2004 0:00 | 071304SK119ASW001 | Tin | 0.496 | UG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 7/13/2004 0:00 | 071304SK119ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 7/13/2004 0:00 | 071304SK119ASW001 | Total Dissolved Solids | 36.3 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 7/13/2004 0:00 | 071304SK119ASW001 | Total Suspended Solids | 0.8 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 7/13/2004 0:00 | 071304SK119ASW001 | Vanadium | 0.747 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 7/13/2004 0:00 | 071304SK119ASW001 | Vanadium | 0.633 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 7/13/2004 0:00 | 071304SK119ASW001 | Zinc | 0.984 | UG/L | BQ,BQ1,J | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 7/13/2004 0:00 | 071304SK119ASW001 | Zinc | 0.958 | UG/L | BQ,BQ1,J | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 5/1/2004 0:00 | 050104SK131ASW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 5/1/2004 0:00 | 050104SK131ASW001 | Alkalinity, Total | 10 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 5/1/2004 0:00 | 050104SK131ASW001 | Aluminum | 31.2 | UG/L | | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 5/1/2004 0:00 | 050104SK131ASW001 | Aluminum | 26 | UG/L | BQ1 | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 5/1/2004 0:00 | 050104SK131ASW001 | Antimony | 0.117 | UG/L | J | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 5/1/2004 0:00 | 050104SK131ASW001 | Antimony | 0.172 | UG/L | J, BQ1 | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK131A | 5/1/2004 0:00 | 050104SK131ASW001 | Arsenic | 0.552 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 5/1/2004 0:00 | 050104SK131ASW001 | Arsenic | 0.621 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 5/1/2004 0:00 | 050104SK131ASW001 | Barium | 1.92 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 5/1/2004 0:00 | 050104SK131ASW001 | Barium | 1.74 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 5/1/2004 0:00 | 050104SK131ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 5/1/2004 0:00 | 050104SK131ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 5/1/2004 0:00 | 050104SK131ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 5/1/2004 0:00 | 050104SK131ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 5/1/2004 0:00 | 050104SK131ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 5/1/2004 0:00 | 050104SK131ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 5/1/2004 0:00 | 050104SK131ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 5/1/2004 0:00 | 050104SK131ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 5/1/2004 0:00 | 050104SK131ASW001 | Calcium | 2610 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 5/1/2004 0:00 | 050104SK131ASW001 | Calcium | 2770 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 5/1/2004 0:00 | 050104SK131ASW001 | Chloride | 1.03 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 5/1/2004 0:00 | 050104SK131ASW001 | Chromium | 0.118 | UG/L | J | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 5/1/2004 0:00 | 050104SK131ASW001 | Chromium | 0.173 | UG/L | J | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 5/1/2004 0:00 | 050104SK131ASW001 | Cobalt | 0 | UG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 5/1/2004 0:00 | 050104SK131ASW001 | Cobalt | 0.213 | UG/L | J | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 5/1/2004 0:00 | 050104SK131ASW001 | Copper | 0.35 | UG/L | BQ | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 5/1/2004 0:00 | 050104SK131ASW001 | Copper | 0.327 | UG/L | BQ | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 5/1/2004 0:00 | 050104SK131ASW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 5/1/2004 0:00 | 050104SK131ASW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 5/1/2004 0:00 | 050104SK131ASW001 | Fluoride | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 5/1/2004 0:00 | 050104SK131ASW001 | Hardness as CaCO3 | 8.51 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 5/1/2004 0:00 | 050104SK131ASW001 | Hardness as CaCO3 | 8.96 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 5/1/2004 0:00 | 050104SK131ASW001 | Iron | 19.9 | UG/L | J | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 5/1/2004 0:00 | 050104SK131ASW001 | Iron | 16.2 | UG/L | J | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 5/1/2004 0:00 | 050104SK131ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK131A | 5/1/2004 0:00 | 050104SK131ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 5/1/2004 0:00 | 050104SK131ASW001 | Magnesium | 486 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 5/1/2004 0:00 | 050104SK131ASW001 | Magnesium | 496 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 5/1/2004 0:00 | 050104SK131ASW001 | Manganese | 0.739 | UG/L | J | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 5/1/2004 0:00 | 050104SK131ASW001 | Manganese | 1.03 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 5/1/2004 0:00 | 050104SK131ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 5/1/2004 0:00 | 050104SK131ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 5/1/2004 0:00 | 050104SK131ASW001 | Nickel | 0.194 | UG/L | J | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 5/1/2004 0:00 | 050104SK131ASW001 | Nickel | 0.214 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 5/1/2004 0:00 | 050104SK131ASW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 5/1/2004 0:00 | 050104SK131ASW001 | Nitrogen, Nitrate-Nitrite | 0.236 | MG/L | J- | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 5/1/2004 0:00 | 050104SK131ASW001 | pH | 7 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 5/1/2004 0:00 | 050104SK131ASW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 5/1/2004 0:00 | 050104SK131ASW001 | Potassium | 178 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 5/1/2004 0:00 | 050104SK131ASW001 | Potassium | 195 | UG/L | BQ1 | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 5/1/2004 0:00 | 050104SK131ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 5/1/2004 0:00 | 050104SK131ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 5/1/2004 0:00 | 050104SK131ASW001 | Silicon | 4140 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 5/1/2004 0:00 | 050104SK131ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 5/1/2004 0:00 | 050104SK131ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 5/1/2004 0:00 | 050104SK131ASW001 | Sodium | 1590 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 5/1/2004 0:00 | 050104SK131ASW001 | Sodium | 1640 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 5/1/2004 0:00 | 050104SK131ASW001 | Specific Conductance | 38 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 5/1/2004 0:00 | 050104SK131ASW001 | Sulfate | 0.794 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 5/1/2004 0:00 | 050104SK131ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 5/1/2004 0:00 | 050104SK131ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 5/1/2004 0:00 | 050104SK131ASW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 5/1/2004 0:00 | 050104SK131ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 5/1/2004 0:00 | 050104SK131ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK131A | 5/1/2004 0:00 | 050104SK131ASW001 | Total Dissolved Solids | 40 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 5/1/2004 0:00 | 050104SK131ASW001 | Total Suspended Solids | 0.615 | MG/L | | 0.513 | 0.154 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 5/1/2004 0:00 | 050104SK131ASW001 | Vanadium | 0.309 | UG/L | J | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 5/1/2004 0:00 | 050104SK131ASW001 | Vanadium | 0.279 | UG/L | J | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 5/1/2004 0:00 | 050104SK131ASW001 | Zinc | 2.41 | UG/L | | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 5/1/2004 0:00 | 050104SK131ASW001 | Zinc | 3.5 | UG/L | | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 5/19/2004 0:00 | 051904SK131ASW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 5/19/2004 0:00 | 051904SK131ASW001 | Alkalinity, Total | 7 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 5/19/2004 0:00 | 051904SK131ASW001 | Aluminum | 40.8 | UG/L | | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 5/19/2004 0:00 | 051904SK131ASW001 | Aluminum | 20 | UG/L | J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 5/19/2004 0:00 | 051904SK131ASW001 | Antimony | 0.476 | UG/L | BQ1 | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 5/19/2004 0:00 | 051904SK131ASW001 | Antimony | 0.146 | UG/L | J,BQ1,BQ | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 5/19/2004 0:00 | 051904SK131ASW001 | Arsenic | 0.661 | UG/L | BQ1 | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 5/19/2004 0:00 | 051904SK131ASW001 | Arsenic | 0.604 | UG/L | BQ1 | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 5/19/2004 0:00 | 051904SK131ASW001 | Barium | 1.38 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 5/19/2004 0:00 | 051904SK131ASW001 | Barium | 1.14 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 5/19/2004 0:00 | 051904SK131ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 5/19/2004 0:00 | 051904SK131ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 5/19/2004 0:00 | 051904SK131ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 5/19/2004 0:00 | 051904SK131ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 5/19/2004 0:00 | 051904SK131ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 5/19/2004 0:00 | 051904SK131ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 5/19/2004 0:00 | 051904SK131ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 5/19/2004 0:00 | 051904SK131ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 5/19/2004 0:00 | 051904SK131ASW001 | Calcium | 1780 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 5/19/2004 0:00 | 051904SK131ASW001 | Calcium | 1630 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 5/19/2004 0:00 | 051904SK131ASW001 | Chloride | 0.735 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 5/19/2004 0:00 | 051904SK131ASW001 | Chromium | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 5/19/2004 0:00 | 051904SK131ASW001 | Chromium | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK131A | 5/19/2004 0:00 | 051904SK131ASW001 | Cobalt | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 5/19/2004 0:00 | 051904SK131ASW001 | Cobalt | 2.62 | UG/L | J+ | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 5/19/2004 0:00 | 051904SK131ASW001 | Copper | 0.338 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 5/19/2004 0:00 | 051904SK131ASW001 | Copper | 0.219 | UG/L | BQ1,BQ | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 5/19/2004 0:00 | 051904SK131ASW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 5/19/2004 0:00 | 051904SK131ASW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 5/19/2004 0:00 | 051904SK131ASW001 | Fluoride | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 5/19/2004 0:00 | 051904SK131ASW001 | Hardness as CaCO3 | 5.65 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 5/19/2004 0:00 | 051904SK131ASW001 | Hardness as CaCO3 | 5.25 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 5/19/2004 0:00 | 051904SK131ASW001 | Iron | 31.2 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 5/19/2004 0:00 | 051904SK131ASW001 | Iron | 19.2 | UG/L | J | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 5/19/2004 0:00 | 051904SK131ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 5/19/2004 0:00 | 051904SK131ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 5/19/2004 0:00 | 051904SK131ASW001 | Magnesium | 293 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 5/19/2004 0:00 | 051904SK131ASW001 | Magnesium | 284 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 5/19/2004 0:00 | 051904SK131ASW001 | Manganese | 1 | UG/L | J | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 5/19/2004 0:00 | 051904SK131ASW001 | Manganese | 4.14 | UG/L | J | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 5/19/2004 0:00 | 051904SK131ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 5/19/2004 0:00 | 051904SK131ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 5/19/2004 0:00 | 051904SK131ASW001 | Nickel | 0.0765 | UG/L | J,BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 5/19/2004 0:00 | 051904SK131ASW001 | Nickel | 0.24 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 5/19/2004 0:00 | 051904SK131ASW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 5/19/2004 0:00 | 051904SK131ASW001 | Nitrogen, Nitrate-Nitrite | 0.05 | MG/L | J- | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 5/19/2004 0:00 | 051904SK131ASW001 | pH | 7.3 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 5/19/2004 0:00 | 051904SK131ASW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 5/19/2004 0:00 | 051904SK131ASW001 | Potassium | 140 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 5/19/2004 0:00 | 051904SK131ASW001 | Potassium | 130 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 5/19/2004 0:00 | 051904SK131ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 5/19/2004 0:00 | 051904SK131ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK131A | 5/19/2004 0:00 | 051904SK131ASW001 | Silicon | 3580 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 5/19/2004 0:00 | 051904SK131ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 5/19/2004 0:00 | 051904SK131ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 5/19/2004 0:00 | 051904SK131ASW001 | Sodium | 1340 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 5/19/2004 0:00 | 051904SK131ASW001 | Sodium | 1280 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 5/19/2004 0:00 | 051904SK131ASW001 | Specific Conductance | 18 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 5/19/2004 0:00 | 051904SK131ASW001 | Sulfate | 0.766 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 5/19/2004 0:00 | 051904SK131ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 5/19/2004 0:00 | 051904SK131ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 5/19/2004 0:00 | 051904SK131ASW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 5/19/2004 0:00 | 051904SK131ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 5/19/2004 0:00 | 051904SK131ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 5/19/2004 0:00 | 051904SK131ASW001 | Total Dissolved Solids | 45 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 5/19/2004 0:00 | 051904SK131ASW001 | Total Suspended Solids | 0.737 | MG/L | | 0.526 | 0.158 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 5/19/2004 0:00 | 051904SK131ASW001 | Vanadium | 0.296 | UG/L | J,BQ1 | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 5/19/2004 0:00 | 051904SK131ASW001 | Vanadium | 0.394 | UG/L | J,BQ1,BQ | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 5/19/2004 0:00 | 051904SK131ASW001 | Zinc | 1.24 | UG/L | J,BQ1 | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 5/19/2004 0:00 | 051904SK131ASW001 | Zinc | 1.36 | UG/L | J,BQ1 | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 6/16/2004 0:00 | 061604SK131ASW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 6/16/2004 0:00 | 061604SK131ASW001 | Alkalinity, Total | 8.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 6/16/2004 0:00 | 061604SK131ASW001 | Aluminum | 26 | UG/L | BQ,BQ1 | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 6/16/2004 0:00 | 061604SK131ASW001 | Aluminum | 19.5 | UG/L | BQ,BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 6/16/2004 0:00 | 061604SK131ASW001 | Antimony | 0.432 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 6/16/2004 0:00 | 061604SK131ASW001 | Antimony | 0.267 | UG/L | | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 6/16/2004 0:00 | 061604SK131ASW001 | Arsenic | 0.811 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 6/16/2004 0:00 | 061604SK131ASW001 | Arsenic | 0.753 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 6/16/2004 0:00 | 061604SK131ASW001 | Barium | 1.06 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 6/16/2004 0:00 | 061604SK131ASW001 | Barium | 1.13 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 6/16/2004 0:00 | 061604SK131ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK131A | 6/16/2004 0:00 | 061604SK131ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 6/16/2004 0:00 | 061604SK131ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 6/16/2004 0:00 | 061604SK131ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 6/16/2004 0:00 | 061604SK131ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 6/16/2004 0:00 | 061604SK131ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 6/16/2004 0:00 | 061604SK131ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 6/16/2004 0:00 | 061604SK131ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 6/16/2004 0:00 | 061604SK131ASW001 | Calcium | 1880 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 6/16/2004 0:00 | 061604SK131ASW001 | Calcium | 1890 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 6/16/2004 0:00 | 061604SK131ASW001 | Chloride | 0.64 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 6/16/2004 0:00 | 061604SK131ASW001 | Chromium | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 6/16/2004 0:00 | 061604SK131ASW001 | Chromium | 0.146 | UG/L | J | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 6/16/2004 0:00 | 061604SK131ASW001 | Cobalt | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 6/16/2004 0:00 | 061604SK131ASW001 | Cobalt | 2.44 | UG/L | BQ1,J | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 6/16/2004 0:00 | 061604SK131ASW001 | Copper | 0.181 | UG/L | BQ1,J | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 6/16/2004 0:00 | 061604SK131ASW001 | Copper | 0.168 | UG/L | BQ1,J | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 6/16/2004 0:00 | 061604SK131ASW001 | Cyanide | 0.003 | MG/L | J | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 6/16/2004 0:00 | 061604SK131ASW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 6/16/2004 0:00 | 061604SK131ASW001 | Fluoride | 0.034 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 6/16/2004 0:00 | 061604SK131ASW001 | Hardness as CaCO3 | 6.02 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 6/16/2004 0:00 | 061604SK131ASW001 | Hardness as CaCO3 | 6.02 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 6/16/2004 0:00 | 061604SK131ASW001 | Iron | 23 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 6/16/2004 0:00 | 061604SK131ASW001 | Iron | 19.9 | UG/L | J | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 6/16/2004 0:00 | 061604SK131ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 6/16/2004 0:00 | 061604SK131ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 6/16/2004 0:00 | 061604SK131ASW001 | Magnesium | 320 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 6/16/2004 0:00 | 061604SK131ASW001 | Magnesium | 316 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 6/16/2004 0:00 | 061604SK131ASW001 | Manganese | 3.6 | UG/L | BQ1,J | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 6/16/2004 0:00 | 061604SK131ASW001 | Manganese | 0 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK131A | 6/16/2004 0:00 | 061604SK131ASW001 | Molybdenum | 0.379 | UG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 6/16/2004 0:00 | 061604SK131ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 6/16/2004 0:00 | 061604SK131ASW001 | Nickel | 0.0675 | UG/L | BQ1,J | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 6/16/2004 0:00 | 061604SK131ASW001 | Nickel | 0.191 | UG/L | BQ1,J | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 6/16/2004 0:00 | 061604SK131ASW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 6/16/2004 0:00 | 061604SK131ASW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | R | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 6/16/2004 0:00 | 061604SK131ASW001 | pH | 7.04 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 6/16/2004 0:00 | 061604SK131ASW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 6/16/2004 0:00 | 061604SK131ASW001 | Potassium | 119 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 6/16/2004 0:00 | 061604SK131ASW001 | Potassium | 123 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 6/16/2004 0:00 | 061604SK131ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 6/16/2004 0:00 | 061604SK131ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 6/16/2004 0:00 | 061604SK131ASW001 | Silicon | 3780 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 6/16/2004 0:00 | 061604SK131ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 6/16/2004 0:00 | 061604SK131ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 6/16/2004 0:00 | 061604SK131ASW001 | Sodium | 1440 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 6/16/2004 0:00 | 061604SK131ASW001 | Sodium | 1440 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 6/16/2004 0:00 | 061604SK131ASW001 | Specific Conductance | 25 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 6/16/2004 0:00 | 061604SK131ASW001 | Sulfate | 0.821 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 6/16/2004 0:00 | 061604SK131ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 6/16/2004 0:00 | 061604SK131ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 6/16/2004 0:00 | 061604SK131ASW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 6/16/2004 0:00 | 061604SK131ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 6/16/2004 0:00 | 061604SK131ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 6/16/2004 0:00 | 061604SK131ASW001 | Total Dissolved Solids | 30 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 6/16/2004 0:00 | 061604SK131ASW001 | Total Suspended Solids | 0.7 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 6/16/2004 0:00 | 061604SK131ASW001 | Vanadium | 0.274 | UG/L | J | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 6/16/2004 0:00 | 061604SK131ASW001 | Vanadium | 0.258 | UG/L | J | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 6/16/2004 0:00 | 061604SK131ASW001 | Zinc | 0.953 | UG/L | BQ1,J | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |

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Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK131A | 6/16/2004 0:00 | 061604SK131ASW001 | Zinc | 0.691 | UG/L | BQ1,J | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 7/13/2004 0:00 | 071304SK131ASW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 7/13/2004 0:00 | 071304SK131ASW001 | Alkalinity, Total | 20.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 7/13/2004 0:00 | 071304SK131ASW001 | Aluminum | 14.1 | UG/L | BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 7/13/2004 0:00 | 071304SK131ASW001 | Aluminum | 17.5 | UG/L | BQ,BQ1,J | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 7/13/2004 0:00 | 071304SK131ASW001 | Antimony | 0.28 | UG/L | BQ1 | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 7/13/2004 0:00 | 071304SK131ASW001 | Antimony | 0.31 | UG/L | BQ1 | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 7/13/2004 0:00 | 071304SK131ASW001 | Arsenic | 1.09 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 7/13/2004 0:00 | 071304SK131ASW001 | Arsenic | 1.16 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 7/13/2004 0:00 | 071304SK131ASW001 | Barium | 1.95 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 7/13/2004 0:00 | 071304SK131ASW001 | Barium | 1.95 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 7/13/2004 0:00 | 071304SK131ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 7/13/2004 0:00 | 071304SK131ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 7/13/2004 0:00 | 071304SK131ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 7/13/2004 0:00 | 071304SK131ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 7/13/2004 0:00 | 071304SK131ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 7/13/2004 0:00 | 071304SK131ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 7/13/2004 0:00 | 071304SK131ASW001 | Cadmium | 0.0723 | UG/L | BQ1,J | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 7/13/2004 0:00 | 071304SK131ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 7/13/2004 0:00 | 071304SK131ASW001 | Calcium | 2260 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 7/13/2004 0:00 | 071304SK131ASW001 | Calcium | 2240 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 7/13/2004 0:00 | 071304SK131ASW001 | Chloride | 0.602 | MG/L | J- | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 7/13/2004 0:00 | 071304SK131ASW001 | Chromium | 0.223 | UG/L | BQ1 | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 7/13/2004 0:00 | 071304SK131ASW001 | Chromium | 0.135 | UG/L | BQ1,J | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 7/13/2004 0:00 | 071304SK131ASW001 | Cobalt | 1.78 | UG/L | BQ1,J | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 7/13/2004 0:00 | 071304SK131ASW001 | Cobalt | 0 | UG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 7/13/2004 0:00 | 071304SK131ASW001 | Copper | 0.352 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 7/13/2004 0:00 | 071304SK131ASW001 | Copper | 0.228 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 7/13/2004 0:00 | 071304SK131ASW001 | Cyanide | 0 | MG/L | R | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |

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South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK131A | 7/13/2004 0:00 | 071304SK131ASW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | R | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 7/13/2004 0:00 | 071304SK131ASW001 | Fluoride | 0.041 | MG/L | J- | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 7/13/2004 0:00 | 071304SK131ASW001 | Hardness as CaCO3 | 7.16 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 7/13/2004 0:00 | 071304SK131ASW001 | Hardness as CaCO3 | 6.97 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 7/13/2004 0:00 | 071304SK131ASW001 | Iron | 0 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 7/13/2004 0:00 | 071304SK131ASW001 | Iron | 8.02 | UG/L | BQ1,J | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 7/13/2004 0:00 | 071304SK131ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 7/13/2004 0:00 | 071304SK131ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 7/13/2004 0:00 | 071304SK131ASW001 | Magnesium | 368 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 7/13/2004 0:00 | 071304SK131ASW001 | Magnesium | 334 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 7/13/2004 0:00 | 071304SK131ASW001 | Manganese | 2.89 | UG/L | J | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 7/13/2004 0:00 | 071304SK131ASW001 | Manganese | 0 | UG/L | J | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 7/13/2004 0:00 | 071304SK131ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 7/13/2004 0:00 | 071304SK131ASW001 | Molybdenum | 0.356 | UG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 7/13/2004 0:00 | 071304SK131ASW001 | Nickel | 0.178 | UG/L | BQ1,J | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 7/13/2004 0:00 | 071304SK131ASW001 | Nickel | 0.0874 | UG/L | BQ1,J | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 7/13/2004 0:00 | 071304SK131ASW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 7/13/2004 0:00 | 071304SK131ASW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | R | 2 | 0.62 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 7/13/2004 0:00 | 071304SK131ASW001 | pH | 7.7 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 7/13/2004 0:00 | 071304SK131ASW001 | Phosphorus, Total (as P) | 0.391 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 7/13/2004 0:00 | 071304SK131ASW001 | Potassium | 158 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 7/13/2004 0:00 | 071304SK131ASW001 | Potassium | 161 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 7/13/2004 0:00 | 071304SK131ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 7/13/2004 0:00 | 071304SK131ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 7/13/2004 0:00 | 071304SK131ASW001 | Silicon | 4390 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 7/13/2004 0:00 | 071304SK131ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 7/13/2004 0:00 | 071304SK131ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 7/13/2004 0:00 | 071304SK131ASW001 | Sodium | 1650 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 7/13/2004 0:00 | 071304SK131ASW001 | Sodium | 1650 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |

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| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK131A | 7/13/2004 0:00 | 071304SK131ASW001 | Specific Conductance | 25 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 7/13/2004 0:00 | 071304SK131ASW001 | Sulfate | 0.814 | MG/L | J- | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 7/13/2004 0:00 | 071304SK131ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 7/13/2004 0:00 | 071304SK131ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 7/13/2004 0:00 | 071304SK131ASW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 7/13/2004 0:00 | 071304SK131ASW001 | Tin | 0.94 | UG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 7/13/2004 0:00 | 071304SK131ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 7/13/2004 0:00 | 071304SK131ASW001 | Total Dissolved Solids | 30 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 7/13/2004 0:00 | 071304SK131ASW001 | Total Suspended Solids | 0.5 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 7/13/2004 0:00 | 071304SK131ASW001 | Vanadium | 0.304 | UG/L | J | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 7/13/2004 0:00 | 071304SK131ASW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 7/13/2004 0:00 | 071304SK131ASW001 | Zinc | 0.959 | UG/L | BQ1,J | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 7/13/2004 0:00 | 071304SK131ASW001 | Zinc | 1.51 | UG/L | BQ1 | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 5/1/2004 0:00 | 050104SK133ASW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 5/1/2004 0:00 | 050104SK133ASW001 | Alkalinity, Total | 22 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 5/1/2004 0:00 | 050104SK133ASW001 | Aluminum | 61.7 | UG/L | | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 5/1/2004 0:00 | 050104SK133ASW001 | Aluminum | 23.7 | UG/L | J, BQ1 | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 5/1/2004 0:00 | 050104SK133ASW001 | Antimony | 7.65 | UG/L | J, BQ1 | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 5/1/2004 0:00 | 050104SK133ASW001 | Antimony | 3.44 | UG/L | J | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 5/1/2004 0:00 | 050104SK133ASW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 5/1/2004 0:00 | 050104SK133ASW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 5/1/2004 0:00 | 050104SK133ASW001 | Barium | 5.37 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 5/1/2004 0:00 | 050104SK133ASW001 | Barium | 4.89 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 5/1/2004 0:00 | 050104SK133ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 5/1/2004 0:00 | 050104SK133ASW001 | Beryllium | 0.0159 | UG/L | J | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 5/1/2004 0:00 | 050104SK133ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 5/1/2004 0:00 | 050104SK133ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 5/1/2004 0:00 | 050104SK133ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 5/1/2004 0:00 | 050104SK133ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK133A | 5/1/2004 0:00 | 050104SK133ASW001 | Cadmium | 0.0332 | UG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 5/1/2004 0:00 | 050104SK133ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 5/1/2004 0:00 | 050104SK133ASW001 | Calcium | 6790 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 5/1/2004 0:00 | 050104SK133ASW001 | Calcium | 6510 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 5/1/2004 0:00 | 050104SK133ASW001 | Chloride | 0.976 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 5/1/2004 0:00 | 050104SK133ASW001 | Chromium | 0.236 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 5/1/2004 0:00 | 050104SK133ASW001 | Chromium | 0.225 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 5/1/2004 0:00 | 050104SK133ASW001 | Cobalt | 0.0694 | UG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 5/1/2004 0:00 | 050104SK133ASW001 | Cobalt | 0.219 | UG/L | J | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 5/1/2004 0:00 | 050104SK133ASW001 | Copper | 1.14 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 5/1/2004 0:00 | 050104SK133ASW001 | Copper | 0.936 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 5/1/2004 0:00 | 050104SK133ASW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 5/1/2004 0:00 | 050104SK133ASW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 5/1/2004 0:00 | 050104SK133ASW001 | Fluoride | 0.038 | MG/L | J, BQ | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 5/1/2004 0:00 | 050104SK133ASW001 | Hardness as CaCO3 | 23.5 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 5/1/2004 0:00 | 050104SK133ASW001 | Hardness as CaCO3 | 22.5 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 5/1/2004 0:00 | 050104SK133ASW001 | Iron | 237 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 5/1/2004 0:00 | 050104SK133ASW001 | Iron | 108 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 5/1/2004 0:00 | 050104SK133ASW001 | Lead | 0.124 | UG/L | J | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 5/1/2004 0:00 | 050104SK133ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 5/1/2004 0:00 | 050104SK133ASW001 | Magnesium | 1600 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 5/1/2004 0:00 | 050104SK133ASW001 | Magnesium | 1520 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 5/1/2004 0:00 | 050104SK133ASW001 | Manganese | 20.5 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 5/1/2004 0:00 | 050104SK133ASW001 | Manganese | 15.3 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 5/1/2004 0:00 | 050104SK133ASW001 | Molybdenum | 0.33 | UG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 5/1/2004 0:00 | 050104SK133ASW001 | Molybdenum | 0.462 | UG/L | J | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 5/1/2004 0:00 | 050104SK133ASW001 | Nickel | 0.81 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 5/1/2004 0:00 | 050104SK133ASW001 | Nickel | 0.753 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 5/1/2004 0:00 | 050104SK133ASW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK133A | 5/1/2004 0:00 | 050104SK133ASW001 | Nitrogen, Nitrate-Nitrite | 0.451 | MG/L | J- | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 5/1/2004 0:00 | 050104SK133ASW001 | pH | 6.9 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 5/1/2004 0:00 | 050104SK133ASW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 5/1/2004 0:00 | 050104SK133ASW001 | Potassium | 484 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 5/1/2004 0:00 | 050104SK133ASW001 | Potassium | 470 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 5/1/2004 0:00 | 050104SK133ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 5/1/2004 0:00 | 050104SK133ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 5/1/2004 0:00 | 050104SK133ASW001 | Silicon | 3920 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 5/1/2004 0:00 | 050104SK133ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 5/1/2004 0:00 | 050104SK133ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 5/1/2004 0:00 | 050104SK133ASW001 | Sodium | 1670 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 5/1/2004 0:00 | 050104SK133ASW001 | Sodium | 1600 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 5/1/2004 0:00 | 050104SK133ASW001 | Specific Conductance | 70 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 5/1/2004 0:00 | 050104SK133ASW001 | Sulfate | 5.84 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 5/1/2004 0:00 | 050104SK133ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 5/1/2004 0:00 | 050104SK133ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 5/1/2004 0:00 | 050104SK133ASW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 5/1/2004 0:00 | 050104SK133ASW001 | Tin | 0.427 | UG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 5/1/2004 0:00 | 050104SK133ASW001 | Tin | 0.381 | UG/L | J | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 5/1/2004 0:00 | 050104SK133ASW001 | Total Dissolved Solids | 60 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 5/1/2004 0:00 | 050104SK133ASW001 | Total Suspended Solids | 2.27 | MG/L | | 0.541 | 0.162 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 5/1/2004 0:00 | 050104SK133ASW001 | Vanadium | 0.319 | UG/L | J | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 5/1/2004 0:00 | 050104SK133ASW001 | Vanadium | 0.632 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 5/1/2004 0:00 | 050104SK133ASW001 | Zinc | 8.63 | UG/L | | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 5/1/2004 0:00 | 050104SK133ASW001 | Zinc | 7.23 | UG/L | | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 5/19/2004 0:00 | 051904SK133ASW001 | Acidity, Total | 0 | MG/L | | 21.7 | 6.83 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 5/19/2004 0:00 | 051904SK133ASW001 | Alkalinity, Total | 15.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 5/19/2004 0:00 | 051904SK133ASW001 | Aluminum | 44.2 | UG/L | | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 5/19/2004 0:00 | 051904SK133ASW001 | Aluminum | 19.8 | UG/L | J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK133A | 5/19/2004 0:00 | 051904SK133ASW001 | Antimony | 2.16 | UG/L | BQ1,BQ | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 5/19/2004 0:00 | 051904SK133ASW001 | Antimony | 0.0811 | UG/L | J,BQ1,BQ | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 5/19/2004 0:00 | 051904SK133ASW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 5/19/2004 0:00 | 051904SK133ASW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 5/19/2004 0:00 | 051904SK133ASW001 | Barium | 5.06 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 5/19/2004 0:00 | 051904SK133ASW001 | Barium | 3.44 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 5/19/2004 0:00 | 051904SK133ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 5/19/2004 0:00 | 051904SK133ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 5/19/2004 0:00 | 051904SK133ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 5/19/2004 0:00 | 051904SK133ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 5/19/2004 0:00 | 051904SK133ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 5/19/2004 0:00 | 051904SK133ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 5/19/2004 0:00 | 051904SK133ASW001 | Cadmium | 0.0337 | UG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 5/19/2004 0:00 | 051904SK133ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 5/19/2004 0:00 | 051904SK133ASW001 | Calcium | 5470 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 5/19/2004 0:00 | 051904SK133ASW001 | Calcium | 5000 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 5/19/2004 0:00 | 051904SK133ASW001 | Chloride | 0.694 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 5/19/2004 0:00 | 051904SK133ASW001 | Chromium | 0.26 | UG/L | BQ1 | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 5/19/2004 0:00 | 051904SK133ASW001 | Chromium | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 5/19/2004 0:00 | 051904SK133ASW001 | Cobalt | 0.0837 | UG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 5/19/2004 0:00 | 051904SK133ASW001 | Cobalt | 2.17 | UG/L | J+ | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 5/19/2004 0:00 | 051904SK133ASW001 | Copper | 0.696 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 5/19/2004 0:00 | 051904SK133ASW001 | Copper | 0.569 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 5/19/2004 0:00 | 051904SK133ASW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 5/19/2004 0:00 | 051904SK133ASW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 5/19/2004 0:00 | 051904SK133ASW001 | Fluoride | 0.033 | MG/L | J,BQ | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 5/19/2004 0:00 | 051904SK133ASW001 | Hardness as CaCO3 | 18.6 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 5/19/2004 0:00 | 051904SK133ASW001 | Hardness as CaCO3 | 17.4 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 5/19/2004 0:00 | 051904SK133ASW001 | Iron | 80.6 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK133A | 5/19/2004 0:00 | 051904SK133ASW001 | Iron | 147 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 5/19/2004 0:00 | 051904SK133ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 5/19/2004 0:00 | 051904SK133ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 5/19/2004 0:00 | 051904SK133ASW001 | Magnesium | 1200 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 5/19/2004 0:00 | 051904SK133ASW001 | Magnesium | 1190 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 5/19/2004 0:00 | 051904SK133ASW001 | Manganese | 8.61 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 5/19/2004 0:00 | 051904SK133ASW001 | Manganese | 7.99 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 5/19/2004 0:00 | 051904SK133ASW001 | Molybdenum | 0.362 | UG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 5/19/2004 0:00 | 051904SK133ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 5/19/2004 0:00 | 051904SK133ASW001 | Nickel | 0.253 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 5/19/2004 0:00 | 051904SK133ASW001 | Nickel | 0.362 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 5/19/2004 0:00 | 051904SK133ASW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 5/19/2004 0:00 | 051904SK133ASW001 | Nitrogen, Nitrate-Nitrite | 0.493 | MG/L | J- | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 5/19/2004 0:00 | 051904SK133ASW001 | pH | 7.2 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 5/19/2004 0:00 | 051904SK133ASW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 5/19/2004 0:00 | 051904SK133ASW001 | Potassium | 453 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 5/19/2004 0:00 | 051904SK133ASW001 | Potassium | 415 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 5/19/2004 0:00 | 051904SK133ASW001 | Selenium | 0.327 | UG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 5/19/2004 0:00 | 051904SK133ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 5/19/2004 0:00 | 051904SK133ASW001 | Silicon | 3950 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 5/19/2004 0:00 | 051904SK133ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 5/19/2004 0:00 | 051904SK133ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 5/19/2004 0:00 | 051904SK133ASW001 | Sodium | 1320 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 5/19/2004 0:00 | 051904SK133ASW001 | Sodium | 1380 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 5/19/2004 0:00 | 051904SK133ASW001 | Specific Conductance | 60 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 5/19/2004 0:00 | 051904SK133ASW001 | Sulfate | 5.97 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 5/19/2004 0:00 | 051904SK133ASW001 | Thallium | 0.0681 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 5/19/2004 0:00 | 051904SK133ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 5/19/2004 0:00 | 051904SK133ASW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK133A | 5/19/2004 0:00 | 051904SK133ASW001 | Tin | 1.12 | UG/L | BQ1 | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 5/19/2004 0:00 | 051904SK133ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 5/19/2004 0:00 | 051904SK133ASW001 | Total Dissolved Solids | 67.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 5/19/2004 0:00 | 051904SK133ASW001 | Total Suspended Solids | 0.923 | MG/L | | 0.513 | 0.154 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 5/19/2004 0:00 | 051904SK133ASW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 5/19/2004 0:00 | 051904SK133ASW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 5/19/2004 0:00 | 051904SK133ASW001 | Zinc | 3.3 | UG/L | BQ1,BQ | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 5/19/2004 0:00 | 051904SK133ASW001 | Zinc | 2.85 | UG/L | BQ1 | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 6/16/2004 0:00 | 061604SK133ASW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 6/16/2004 0:00 | 061604SK133ASW001 | Alkalinity, Total | 24 | MG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 6/16/2004 0:00 | 061604SK133ASW001 | Aluminum | 38.1 | UG/L | BQ,BQ1 | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 6/16/2004 0:00 | 061604SK133ASW001 | Aluminum | 21.1 | UG/L | BQ,BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 6/16/2004 0:00 | 061604SK133ASW001 | Antimony | 0.129 | UG/L | J | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 6/16/2004 0:00 | 061604SK133ASW001 | Antimony | 2.09 | UG/L | J | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 6/16/2004 0:00 | 061604SK133ASW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 6/16/2004 0:00 | 061604SK133ASW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 6/16/2004 0:00 | 061604SK133ASW001 | Barium | 4.42 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 6/16/2004 0:00 | 061604SK133ASW001 | Barium | 4.41 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 6/16/2004 0:00 | 061604SK133ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 6/16/2004 0:00 | 061604SK133ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 6/16/2004 0:00 | 061604SK133ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 6/16/2004 0:00 | 061604SK133ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 6/16/2004 0:00 | 061604SK133ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 6/16/2004 0:00 | 061604SK133ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 6/16/2004 0:00 | 061604SK133ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 6/16/2004 0:00 | 061604SK133ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 6/16/2004 0:00 | 061604SK133ASW001 | Calcium | 7840 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 6/16/2004 0:00 | 061604SK133ASW001 | Calcium | 8220 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 6/16/2004 0:00 | 061604SK133ASW001 | Chloride | 0.536 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK133A | 6/16/2004 0:00 | 061604SK133ASW001 | Chromium | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 6/16/2004 0:00 | 061604SK133ASW001 | Chromium | 0.215 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 6/16/2004 0:00 | 061604SK133ASW001 | Cobalt | 0.0456 | UG/L | BQ1,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 6/16/2004 0:00 | 061604SK133ASW001 | Cobalt | 2.76 | UG/L | BQ1,J | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 6/16/2004 0:00 | 061604SK133ASW001 | Copper | 0.635 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 6/16/2004 0:00 | 061604SK133ASW001 | Copper | 0.914 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 6/16/2004 0:00 | 061604SK133ASW001 | Cyanide | 0.0039 | MG/L | J | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 6/16/2004 0:00 | 061604SK133ASW001 | Cyanide, Weak Acid Dissociable | 0.005 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 6/16/2004 0:00 | 061604SK133ASW001 | Fluoride | 0.059 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 6/16/2004 0:00 | 061604SK133ASW001 | Hardness as CaCO3 | 26.9 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 6/16/2004 0:00 | 061604SK133ASW001 | Hardness as CaCO3 | 28.2 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 6/16/2004 0:00 | 061604SK133ASW001 | Iron | 199 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 6/16/2004 0:00 | 061604SK133ASW001 | Iron | 154 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 6/16/2004 0:00 | 061604SK133ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 6/16/2004 0:00 | 061604SK133ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 6/16/2004 0:00 | 061604SK133ASW001 | Magnesium | 1790 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 6/16/2004 0:00 | 061604SK133ASW001 | Magnesium | 1870 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 6/16/2004 0:00 | 061604SK133ASW001 | Manganese | 11.3 | UG/L | BQ1 | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 6/16/2004 0:00 | 061604SK133ASW001 | Manganese | 13 | UG/L | BQ1 | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 6/16/2004 0:00 | 061604SK133ASW001 | Molybdenum | 0.348 | UG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 6/16/2004 0:00 | 061604SK133ASW001 | Molybdenum | 0.323 | UG/L | J | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 6/16/2004 0:00 | 061604SK133ASW001 | Nickel | 0.288 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 6/16/2004 0:00 | 061604SK133ASW001 | Nickel | 0.429 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 6/16/2004 0:00 | 061604SK133ASW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 6/16/2004 0:00 | 061604SK133ASW001 | Nitrogen, Nitrate-Nitrite | 0.164 | MG/L | J- | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 6/16/2004 0:00 | 061604SK133ASW001 | pH | 7 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 6/16/2004 0:00 | 061604SK133ASW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 6/16/2004 0:00 | 061604SK133ASW001 | Potassium | 425 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 6/16/2004 0:00 | 061604SK133ASW001 | Potassium | 445 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK133A | 6/16/2004 0:00 | 061604SK133ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 6/16/2004 0:00 | 061604SK133ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 6/16/2004 0:00 | 061604SK133ASW001 | Silicon | 4850 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 6/16/2004 0:00 | 061604SK133ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 6/16/2004 0:00 | 061604SK133ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 6/16/2004 0:00 | 061604SK133ASW001 | Sodium | 1880 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 6/16/2004 0:00 | 061604SK133ASW001 | Sodium | 1960 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 6/16/2004 0:00 | 061604SK133ASW001 | Specific Conductance | 70 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 6/16/2004 0:00 | 061604SK133ASW001 | Sulfate | 9.13 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 6/16/2004 0:00 | 061604SK133ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 6/16/2004 0:00 | 061604SK133ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 6/16/2004 0:00 | 061604SK133ASW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 6/16/2004 0:00 | 061604SK133ASW001 | Tin | 0.839 | UG/L | J | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 6/16/2004 0:00 | 061604SK133ASW001 | Tin | 0.531 | UG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 6/16/2004 0:00 | 061604SK133ASW001 | Total Dissolved Solids | 66.3 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 6/16/2004 0:00 | 061604SK133ASW001 | Total Suspended Solids | 0.9 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 6/16/2004 0:00 | 061604SK133ASW001 | Vanadium | 0.48 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 6/16/2004 0:00 | 061604SK133ASW001 | Vanadium | 0.281 | UG/L | J | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 6/16/2004 0:00 | 061604SK133ASW001 | Zinc | 2.78 | UG/L | | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 6/16/2004 0:00 | 061604SK133ASW001 | Zinc | 3 | UG/L | | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 7/13/2004 0:00 | 071304SK133ASW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 7/13/2004 0:00 | 071304SK133ASW001 | Alkalinity, Total | 34 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 7/13/2004 0:00 | 071304SK133ASW001 | Aluminum | 17.1 | UG/L | BQ,BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 7/13/2004 0:00 | 071304SK133ASW001 | Aluminum | 31 | UG/L | BQ,BQ1 | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 7/13/2004 0:00 | 071304SK133ASW001 | Antimony | 17 | UG/L | J | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 7/13/2004 0:00 | 071304SK133ASW001 | Antimony | 0.144 | UG/L | BQ1,J | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 7/13/2004 0:00 | 071304SK133ASW001 | Arsenic | 0.727 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 7/13/2004 0:00 | 071304SK133ASW001 | Arsenic | 0.356 | UG/L | J | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 7/13/2004 0:00 | 071304SK133ASW001 | Barium | 5.99 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK133A | 7/13/2004 0:00 | 071304SK133ASW001 | Barium | 6.23 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 7/13/2004 0:00 | 071304SK133ASW001 | Beryllium | 0.0493 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 7/13/2004 0:00 | 071304SK133ASW001 | Beryllium | 0.0227 | UG/L | J | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 7/13/2004 0:00 | 071304SK133ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 7/13/2004 0:00 | 071304SK133ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 7/13/2004 0:00 | 071304SK133ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 7/13/2004 0:00 | 071304SK133ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 7/13/2004 0:00 | 071304SK133ASW001 | Cadmium | 0.685 | UG/L | BQ1,J | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 7/13/2004 0:00 | 071304SK133ASW001 | Cadmium | 0.0798 | UG/L | BQ1,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 7/13/2004 0:00 | 071304SK133ASW001 | Calcium | 10000 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 7/13/2004 0:00 | 071304SK133ASW001 | Calcium | 9940 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 7/13/2004 0:00 | 071304SK133ASW001 | Chloride | 0.534 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 7/13/2004 0:00 | 071304SK133ASW001 | Chromium | 3.38 | UG/L | J | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 7/13/2004 0:00 | 071304SK133ASW001 | Chromium | 0.15 | UG/L | BQ1,J | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 7/13/2004 0:00 | 071304SK133ASW001 | Cobalt | 1.33 | UG/L | BQ1,J | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 7/13/2004 0:00 | 071304SK133ASW001 | Cobalt | 0.0879 | UG/L | BQ1,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 7/13/2004 0:00 | 071304SK133ASW001 | Copper | 0.966 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 7/13/2004 0:00 | 071304SK133ASW001 | Copper | 0.894 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 7/13/2004 0:00 | 071304SK133ASW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 7/13/2004 0:00 | 071304SK133ASW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 7/13/2004 0:00 | 071304SK133ASW001 | Fluoride | 0.069 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 7/13/2004 0:00 | 071304SK133ASW001 | Hardness as CaCO3 | 33.9 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 7/13/2004 0:00 | 071304SK133ASW001 | Hardness as CaCO3 | 33.5 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 7/13/2004 0:00 | 071304SK133ASW001 | Iron | 129 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 7/13/2004 0:00 | 071304SK133ASW001 | Iron | 199 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 7/13/2004 0:00 | 071304SK133ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 7/13/2004 0:00 | 071304SK133ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 7/13/2004 0:00 | 071304SK133ASW001 | Magnesium | 2150 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 7/13/2004 0:00 | 071304SK133ASW001 | Magnesium | 2100 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK133A | 7/13/2004 0:00 | 071304SK133ASW001 | Manganese | 15.2 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 7/13/2004 0:00 | 071304SK133ASW001 | Manganese | 17.7 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 7/13/2004 0:00 | 071304SK133ASW001 | Molybdenum | 1.74 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 7/13/2004 0:00 | 071304SK133ASW001 | Molybdenum | 0.794 | UG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 7/13/2004 0:00 | 071304SK133ASW001 | Nickel | 1.14 | UG/L | J | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 7/13/2004 0:00 | 071304SK133ASW001 | Nickel | 0.526 | UG/L | J | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 7/13/2004 0:00 | 071304SK133ASW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 7/13/2004 0:00 | 071304SK133ASW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 7/13/2004 0:00 | 071304SK133ASW001 | pH | 7.71 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 7/13/2004 0:00 | 071304SK133ASW001 | Phosphorus, Total (as P) | 0.0359 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 7/13/2004 0:00 | 071304SK133ASW001 | Potassium | 510 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 7/13/2004 0:00 | 071304SK133ASW001 | Potassium | 505 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 7/13/2004 0:00 | 071304SK133ASW001 | Selenium | 0.671 | UG/L | J | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 7/13/2004 0:00 | 071304SK133ASW001 | Selenium | 0.547 | UG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 7/13/2004 0:00 | 071304SK133ASW001 | Silicon | 6110 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 7/13/2004 0:00 | 071304SK133ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 7/13/2004 0:00 | 071304SK133ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 7/13/2004 0:00 | 071304SK133ASW001 | Sodium | 2020 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 7/13/2004 0:00 | 071304SK133ASW001 | Sodium | 2000 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 7/13/2004 0:00 | 071304SK133ASW001 | Specific Conductance | 90 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 7/13/2004 0:00 | 071304SK133ASW001 | Sulfate | 10.4 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 7/13/2004 0:00 | 071304SK133ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 7/13/2004 0:00 | 071304SK133ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 7/13/2004 0:00 | 071304SK133ASW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 7/13/2004 0:00 | 071304SK133ASW001 | Tin | 10.6 | UG/L | J | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 7/13/2004 0:00 | 071304SK133ASW001 | Tin | 0 | UG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 7/13/2004 0:00 | 071304SK133ASW001 | Total Dissolved Solids | 72.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 7/13/2004 0:00 | 071304SK133ASW001 | Total Suspended Solids | 1.2 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 7/13/2004 0:00 | 071304SK133ASW001 | Vanadium | 2.37 | UG/L | J | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK133A | 7/13/2004 0:00 | 071304SK133ASW001 | Vanadium | 0.465 | UG/L | J | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 7/13/2004 0:00 | 071304SK133ASW001 | Zinc | 17.1 | UG/L | BQ,J | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 7/13/2004 0:00 | 071304SK133ASW001 | Zinc | 3.29 | UG/L | BQ,BQ1,J | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 5/1/2004 0:00 | 050104SK134ASW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 5/1/2004 0:00 | 050104SK134ASW001 | Alkalinity, Total | 14 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 5/1/2004 0:00 | 050104SK134ASW001 | Aluminum | 37.1 | UG/L | BQ1 | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 5/1/2004 0:00 | 050104SK134ASW001 | Aluminum | 57.6 | UG/L | BQ | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 5/1/2004 0:00 | 050104SK134ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 5/1/2004 0:00 | 050104SK134ASW001 | Antimony | 0.164 | UG/L | J, BQ | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 5/1/2004 0:00 | 050104SK134ASW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 5/1/2004 0:00 | 050104SK134ASW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 5/1/2004 0:00 | 050104SK134ASW001 | Barium | 4.67 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 5/1/2004 0:00 | 050104SK134ASW001 | Barium | 5.67 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 5/1/2004 0:00 | 050104SK134ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 5/1/2004 0:00 | 050104SK134ASW001 | Beryllium | 0.146 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 5/1/2004 0:00 | 050104SK134ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 5/1/2004 0:00 | 050104SK134ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 5/1/2004 0:00 | 050104SK134ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 5/1/2004 0:00 | 050104SK134ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 5/1/2004 0:00 | 050104SK134ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 5/1/2004 0:00 | 050104SK134ASW001 | Cadmium | 0.149 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 5/1/2004 0:00 | 050104SK134ASW001 | Calcium | 4790 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 5/1/2004 0:00 | 050104SK134ASW001 | Calcium | 4820 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 5/1/2004 0:00 | 050104SK134ASW001 | Chloride | 0.822 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 5/1/2004 0:00 | 050104SK134ASW001 | Chromium | 0.187 | UG/L | J | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 5/1/2004 0:00 | 050104SK134ASW001 | Chromium | 0.287 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 5/1/2004 0:00 | 050104SK134ASW001 | Cobalt | 0.18 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 5/1/2004 0:00 | 050104SK134ASW001 | Cobalt | 0.252 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 5/1/2004 0:00 | 050104SK134ASW001 | Copper | 1.5 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK134A | 5/1/2004 0:00 | 050104SK134ASW001 | Copper | 2.01 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 5/1/2004 0:00 | 050104SK134ASW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 5/1/2004 0:00 | 050104SK134ASW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 5/1/2004 0:00 | 050104SK134ASW001 | Fluoride | 0.048 | MG/L | J, BQ | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 5/1/2004 0:00 | 050104SK134ASW001 | Hardness as CaCO3 | 18.2 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 5/1/2004 0:00 | 050104SK134ASW001 | Hardness as CaCO3 | 18.4 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 5/1/2004 0:00 | 050104SK134ASW001 | Iron | 463 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 5/1/2004 0:00 | 050104SK134ASW001 | Iron | 253 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 5/1/2004 0:00 | 050104SK134ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 5/1/2004 0:00 | 050104SK134ASW001 | Lead | 0.398 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 5/1/2004 0:00 | 050104SK134ASW001 | Magnesium | 1560 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 5/1/2004 0:00 | 050104SK134ASW001 | Magnesium | 1490 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 5/1/2004 0:00 | 050104SK134ASW001 | Manganese | 34.3 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 5/1/2004 0:00 | 050104SK134ASW001 | Manganese | 41.7 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 5/1/2004 0:00 | 050104SK134ASW001 | Molybdenum | 0.467 | UG/L | J | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 5/1/2004 0:00 | 050104SK134ASW001 | Molybdenum | 0.569 | UG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 5/1/2004 0:00 | 050104SK134ASW001 | Nickel | 0.328 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 5/1/2004 0:00 | 050104SK134ASW001 | Nickel | 0.384 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 5/1/2004 0:00 | 050104SK134ASW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 5/1/2004 0:00 | 050104SK134ASW001 | Nitrogen, Nitrate-Nitrite | 0.184 | MG/L | J- | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 5/1/2004 0:00 | 050104SK134ASW001 | pH | 6.7 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 5/1/2004 0:00 | 050104SK134ASW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 5/1/2004 0:00 | 050104SK134ASW001 | Potassium | 591 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 5/1/2004 0:00 | 050104SK134ASW001 | Potassium | 585 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 5/1/2004 0:00 | 050104SK134ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 5/1/2004 0:00 | 050104SK134ASW001 | Selenium | 0.319 | UG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 5/1/2004 0:00 | 050104SK134ASW001 | Silicon | 3190 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 5/1/2004 0:00 | 050104SK134ASW001 | Silver | 0.0193 | UG/L | J | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 5/1/2004 0:00 | 050104SK134ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK134A | 5/1/2004 0:00 | 050104SK134ASW001 | Sodium | 1960 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 5/1/2004 0:00 | 050104SK134ASW001 | Sodium | 1860 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 5/1/2004 0:00 | 050104SK134ASW001 | Specific Conductance | 60 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 5/1/2004 0:00 | 050104SK134ASW001 | Sulfate | 6.44 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 5/1/2004 0:00 | 050104SK134ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 5/1/2004 0:00 | 050104SK134ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 5/1/2004 0:00 | 050104SK134ASW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 5/1/2004 0:00 | 050104SK134ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 5/1/2004 0:00 | 050104SK134ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 5/1/2004 0:00 | 050104SK134ASW001 | Total Dissolved Solids | 33.8 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 5/1/2004 0:00 | 050104SK134ASW001 | Total Suspended Solids | 2.6 | MG/L | | 1 | 0.3 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 5/1/2004 0:00 | 050104SK134ASW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 5/1/2004 0:00 | 050104SK134ASW001 | Vanadium | 0.362 | UG/L | J | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 5/1/2004 0:00 | 050104SK134ASW001 | Zinc | 3.94 | UG/L | | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 5/1/2004 0:00 | 050104SK134ASW001 | Zinc | 3.03 | UG/L | | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 5/18/2004 0:00 | 051804SK134ASW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 5/18/2004 0:00 | 051804SK134ASW001 | Alkalinity, Total | 13.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 5/18/2004 0:00 | 051804SK134ASW001 | Aluminum | 68.7 | UG/L | | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 5/18/2004 0:00 | 051804SK134ASW001 | Aluminum | 27 | UG/L | BQ | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 5/18/2004 0:00 | 051804SK134ASW001 | Antimony | 0.604 | UG/L | BQ1,BQ | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 5/18/2004 0:00 | 051804SK134ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 5/18/2004 0:00 | 051804SK134ASW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 5/18/2004 0:00 | 051804SK134ASW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 5/18/2004 0:00 | 051804SK134ASW001 | Barium | 5.05 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 5/18/2004 0:00 | 051804SK134ASW001 | Barium | 4.55 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 5/18/2004 0:00 | 051804SK134ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 5/18/2004 0:00 | 051804SK134ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 5/18/2004 0:00 | 051804SK134ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 5/18/2004 0:00 | 051804SK134ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK134A | 5/18/2004 0:00 | 051804SK134ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 5/18/2004 0:00 | 051804SK134ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 5/18/2004 0:00 | 051804SK134ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 5/18/2004 0:00 | 051804SK134ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 5/18/2004 0:00 | 051804SK134ASW001 | Calcium | 4450 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 5/18/2004 0:00 | 051804SK134ASW001 | Calcium | 4880 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 5/18/2004 0:00 | 051804SK134ASW001 | Chloride | 0.588 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 5/18/2004 0:00 | 051804SK134ASW001 | Chromium | 0.12 | UG/L | J,BQ1 | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 5/18/2004 0:00 | 051804SK134ASW001 | Chromium | 0.2 | UG/L | BQ1 | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 5/18/2004 0:00 | 051804SK134ASW001 | Cobalt | 0.0864 | UG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 5/18/2004 0:00 | 051804SK134ASW001 | Cobalt | 2.19 | UG/L | J+ | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 5/18/2004 0:00 | 051804SK134ASW001 | Copper | 1.31 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 5/18/2004 0:00 | 051804SK134ASW001 | Copper | 1.09 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 5/18/2004 0:00 | 051804SK134ASW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 5/18/2004 0:00 | 051804SK134ASW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 5/18/2004 0:00 | 051804SK134ASW001 | Fluoride | 0.053 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 5/18/2004 0:00 | 051804SK134ASW001 | Hardness as CaCO3 | 16.2 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 5/18/2004 0:00 | 051804SK134ASW001 | Hardness as CaCO3 | 17.8 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 5/18/2004 0:00 | 051804SK134ASW001 | Iron | 351 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 5/18/2004 0:00 | 051804SK134ASW001 | Iron | 217 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 5/18/2004 0:00 | 051804SK134ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 5/18/2004 0:00 | 051804SK134ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 5/18/2004 0:00 | 051804SK134ASW001 | Magnesium | 1230 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 5/18/2004 0:00 | 051804SK134ASW001 | Magnesium | 1350 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 5/18/2004 0:00 | 051804SK134ASW001 | Manganese | 26.1 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 5/18/2004 0:00 | 051804SK134ASW001 | Manganese | 22.6 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 5/18/2004 0:00 | 051804SK134ASW001 | Molybdenum | 0.546 | UG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 5/18/2004 0:00 | 051804SK134ASW001 | Molybdenum | 0.575 | UG/L | J | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 5/18/2004 0:00 | 051804SK134ASW001 | Nickel | 0.235 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK134A | 5/18/2004 0:00 | 051804SK134ASW001 | Nickel | 0.419 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 5/18/2004 0:00 | 051804SK134ASW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 5/18/2004 0:00 | 051804SK134ASW001 | Nitrogen, Nitrate-Nitrite | 0.065 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 5/18/2004 0:00 | 051804SK134ASW001 | pH | 6.7 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 5/18/2004 0:00 | 051804SK134ASW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 5/18/2004 0:00 | 051804SK134ASW001 | Potassium | 333 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 5/18/2004 0:00 | 051804SK134ASW001 | Potassium | 361 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 5/18/2004 0:00 | 051804SK134ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 5/18/2004 0:00 | 051804SK134ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 5/18/2004 0:00 | 051804SK134ASW001 | Silicon | 3000 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 5/18/2004 0:00 | 051804SK134ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 5/18/2004 0:00 | 051804SK134ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 5/18/2004 0:00 | 051804SK134ASW001 | Sodium | 1730 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 5/18/2004 0:00 | 051804SK134ASW001 | Sodium | 1930 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 5/18/2004 0:00 | 051804SK134ASW001 | Specific Conductance | 48 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 5/18/2004 0:00 | 051804SK134ASW001 | Sulfate | 7.28 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 5/18/2004 0:00 | 051804SK134ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 5/18/2004 0:00 | 051804SK134ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 5/18/2004 0:00 | 051804SK134ASW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 5/18/2004 0:00 | 051804SK134ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 5/18/2004 0:00 | 051804SK134ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 5/18/2004 0:00 | 051804SK134ASW001 | Total Dissolved Solids | 42.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 5/18/2004 0:00 | 051804SK134ASW001 | Total Suspended Solids | 2 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 5/18/2004 0:00 | 051804SK134ASW001 | Vanadium | 0.29 | UG/L | J,BQ1 | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 5/18/2004 0:00 | 051804SK134ASW001 | Vanadium | 0.27 | UG/L | J,BQ1 | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 5/18/2004 0:00 | 051804SK134ASW001 | Zinc | 1.75 | UG/L | BQ1,BQ | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 5/18/2004 0:00 | 051804SK134ASW001 | Zinc | 2.03 | UG/L | BQ1 | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 6/16/2004 0:00 | 061604SK134ASW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 6/16/2004 0:00 | 061604SK134ASW001 | Alkalinity, Total | 22 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK134A | 6/16/2004 0:00 | 061604SK134ASW001 | Aluminum | 34.3 | UG/L | BQ,BQ1 | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 6/16/2004 0:00 | 061604SK134ASW001 | Aluminum | 17.2 | UG/L | BQ,BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 6/16/2004 0:00 | 061604SK134ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 6/16/2004 0:00 | 061604SK134ASW001 | Antimony | 0.207 | UG/L | | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 6/16/2004 0:00 | 061604SK134ASW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 6/16/2004 0:00 | 061604SK134ASW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 6/16/2004 0:00 | 061604SK134ASW001 | Barium | 5.13 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 6/16/2004 0:00 | 061604SK134ASW001 | Barium | 4.96 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 6/16/2004 0:00 | 061604SK134ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 6/16/2004 0:00 | 061604SK134ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 6/16/2004 0:00 | 061604SK134ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 6/16/2004 0:00 | 061604SK134ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 6/16/2004 0:00 | 061604SK134ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 6/16/2004 0:00 | 061604SK134ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 6/16/2004 0:00 | 061604SK134ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 6/16/2004 0:00 | 061604SK134ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 6/16/2004 0:00 | 061604SK134ASW001 | Calcium | 8520 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 6/16/2004 0:00 | 061604SK134ASW001 | Calcium | 8810 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 6/16/2004 0:00 | 061604SK134ASW001 | Chloride | 0.494 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 6/16/2004 0:00 | 061604SK134ASW001 | Chromium | 0.101 | UG/L | J | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 6/16/2004 0:00 | 061604SK134ASW001 | Chromium | 0.156 | UG/L | J | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 6/16/2004 0:00 | 061604SK134ASW001 | Cobalt | 0.0796 | UG/L | BQ1,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 6/16/2004 0:00 | 061604SK134ASW001 | Cobalt | 2.23 | UG/L | BQ1,J | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 6/16/2004 0:00 | 061604SK134ASW001 | Copper | 1.01 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 6/16/2004 0:00 | 061604SK134ASW001 | Copper | 0.87 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 6/16/2004 0:00 | 061604SK134ASW001 | Cyanide | 0.0026 | MG/L | J | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 6/16/2004 0:00 | 061604SK134ASW001 | Cyanide, Weak Acid Dissociable | 0.0047 | MG/L | J | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 6/16/2004 0:00 | 061604SK134ASW001 | Fluoride | 0.06 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 6/16/2004 0:00 | 061604SK134ASW001 | Hardness as CaCO3 | 32.3 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK134A | 6/16/2004 0:00 | 061604SK134ASW001 | Hardness as CaCO3 | 31.1 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 6/16/2004 0:00 | 061604SK134ASW001 | Iron | 375 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 6/16/2004 0:00 | 061604SK134ASW001 | Iron | 193 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 6/16/2004 0:00 | 061604SK134ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 6/16/2004 0:00 | 061604SK134ASW001 | Lead | 0.218 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 6/16/2004 0:00 | 061604SK134ASW001 | Magnesium | 2390 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 6/16/2004 0:00 | 061604SK134ASW001 | Magnesium | 2500 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 6/16/2004 0:00 | 061604SK134ASW001 | Manganese | 26.9 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 6/16/2004 0:00 | 061604SK134ASW001 | Manganese | 23 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 6/16/2004 0:00 | 061604SK134ASW001 | Molybdenum | 0.904 | UG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 6/16/2004 0:00 | 061604SK134ASW001 | Molybdenum | 1.01 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 6/16/2004 0:00 | 061604SK134ASW001 | Nickel | 0.324 | UG/L | BQ1,J | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 6/16/2004 0:00 | 061604SK134ASW001 | Nickel | 2.03 | UG/L | J | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 6/16/2004 0:00 | 061604SK134ASW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 6/16/2004 0:00 | 061604SK134ASW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | R | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 6/16/2004 0:00 | 061604SK134ASW001 | pH | 7.1 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 6/16/2004 0:00 | 061604SK134ASW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 6/16/2004 0:00 | 061604SK134ASW001 | Potassium | 398 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 6/16/2004 0:00 | 061604SK134ASW001 | Potassium | 413 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 6/16/2004 0:00 | 061604SK134ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 6/16/2004 0:00 | 061604SK134ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 6/16/2004 0:00 | 061604SK134ASW001 | Silicon | 4160 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 6/16/2004 0:00 | 061604SK134ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 6/16/2004 0:00 | 061604SK134ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 6/16/2004 0:00 | 061604SK134ASW001 | Sodium | 3350 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 6/16/2004 0:00 | 061604SK134ASW001 | Sodium | 3490 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 6/16/2004 0:00 | 061604SK134ASW001 | Specific Conductance | 90 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 6/16/2004 0:00 | 061604SK134ASW001 | Sulfate | 21.7 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 6/16/2004 0:00 | 061604SK134ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK134A | 6/16/2004 0:00 | 061604SK134ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 6/16/2004 0:00 | 061604SK134ASW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 6/16/2004 0:00 | 061604SK134ASW001 | Tin | 0.772 | UG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 6/16/2004 0:00 | 061604SK134ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 6/16/2004 0:00 | 061604SK134ASW001 | Total Dissolved Solids | 67.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 6/16/2004 0:00 | 061604SK134ASW001 | Total Suspended Solids | 2.1 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 6/16/2004 0:00 | 061604SK134ASW001 | Vanadium | 0.364 | UG/L | J | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 6/16/2004 0:00 | 061604SK134ASW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 6/16/2004 0:00 | 061604SK134ASW001 | Zinc | 0.942 | UG/L | BQ1,J | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 6/16/2004 0:00 | 061604SK134ASW001 | Zinc | 1.25 | UG/L | BQ1,J | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 7/13/2004 0:00 | 071304SK134ASW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 7/13/2004 0:00 | 071304SK134ASW001 | Alkalinity, Total | 30 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 7/13/2004 0:00 | 071304SK134ASW001 | Aluminum | 19.2 | UG/L | BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 7/13/2004 0:00 | 071304SK134ASW001 | Aluminum | 43.4 | UG/L | BQ,BQ1 | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 7/13/2004 0:00 | 071304SK134ASW001 | Antimony | 0.388 | UG/L | BQ1 | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 7/13/2004 0:00 | 071304SK134ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 7/13/2004 0:00 | 071304SK134ASW001 | Arsenic | 0.298 | UG/L | J | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 7/13/2004 0:00 | 071304SK134ASW001 | Arsenic | 0.294 | UG/L | J | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 7/13/2004 0:00 | 071304SK134ASW001 | Barium | 7.79 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 7/13/2004 0:00 | 071304SK134ASW001 | Barium | 8.5 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 7/13/2004 0:00 | 071304SK134ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 7/13/2004 0:00 | 071304SK134ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 7/13/2004 0:00 | 071304SK134ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 7/13/2004 0:00 | 071304SK134ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 7/13/2004 0:00 | 071304SK134ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 7/13/2004 0:00 | 071304SK134ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 7/13/2004 0:00 | 071304SK134ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 7/13/2004 0:00 | 071304SK134ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 7/13/2004 0:00 | 071304SK134ASW001 | Calcium | 11000 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK134A | 7/13/2004 0:00 | 071304SK134ASW001 | Calcium | 11000 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 7/13/2004 0:00 | 071304SK134ASW001 | Chloride | 0.535 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 7/13/2004 0:00 | 071304SK134ASW001 | Chromium | 0.171 | UG/L | BQ,BQ1,J | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 7/13/2004 0:00 | 071304SK134ASW001 | Chromium | 0.179 | UG/L | BQ1,J | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 7/13/2004 0:00 | 071304SK134ASW001 | Cobalt | 1.95 | UG/L | J | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 7/13/2004 0:00 | 071304SK134ASW001 | Cobalt | 0.117 | UG/L | BQ1,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 7/13/2004 0:00 | 071304SK134ASW001 | Copper | 1.33 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 7/13/2004 0:00 | 071304SK134ASW001 | Copper | 1.63 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 7/13/2004 0:00 | 071304SK134ASW001 | Cyanide | 0 | MG/L | R | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 7/13/2004 0:00 | 071304SK134ASW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | R | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 7/13/2004 0:00 | 071304SK134ASW001 | Fluoride | 0.081 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 7/13/2004 0:00 | 071304SK134ASW001 | Hardness as CaCO3 | 40.3 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 7/13/2004 0:00 | 071304SK134ASW001 | Hardness as CaCO3 | 40.7 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 7/13/2004 0:00 | 071304SK134ASW001 | Iron | 337 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 7/13/2004 0:00 | 071304SK134ASW001 | Iron | 588 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 7/13/2004 0:00 | 071304SK134ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 7/13/2004 0:00 | 071304SK134ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 7/13/2004 0:00 | 071304SK134ASW001 | Magnesium | 3190 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 7/13/2004 0:00 | 071304SK134ASW001 | Magnesium | 3140 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 7/13/2004 0:00 | 071304SK134ASW001 | Manganese | 39.4 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 7/13/2004 0:00 | 071304SK134ASW001 | Manganese | 24.3 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 7/13/2004 0:00 | 071304SK134ASW001 | Molybdenum | 1.68 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 7/13/2004 0:00 | 071304SK134ASW001 | Molybdenum | 1.71 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 7/13/2004 0:00 | 071304SK134ASW001 | Nickel | 0.481 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 7/13/2004 0:00 | 071304SK134ASW001 | Nickel | 0.568 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 7/13/2004 0:00 | 071304SK134ASW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 7/13/2004 0:00 | 071304SK134ASW001 | Nitrogen, Nitrate-Nitrite | 6.74 | MG/L | | 2 | 0.62 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 7/13/2004 0:00 | 071304SK134ASW001 | pH | 7.4 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 7/13/2004 0:00 | 071304SK134ASW001 | Phosphorus, Total (as P) | 0.0424 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK134A | 7/13/2004 0:00 | 071304SK134ASW001 | Potassium | 542 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 7/13/2004 0:00 | 071304SK134ASW001 | Potassium | 547 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 7/13/2004 0:00 | 071304SK134ASW001 | Selenium | 0.397 | UG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 7/13/2004 0:00 | 071304SK134ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 7/13/2004 0:00 | 071304SK134ASW001 | Silicon | 5230 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 7/13/2004 0:00 | 071304SK134ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 7/13/2004 0:00 | 071304SK134ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 7/13/2004 0:00 | 071304SK134ASW001 | Sodium | 4120 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 7/13/2004 0:00 | 071304SK134ASW001 | Sodium | 4060 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 7/13/2004 0:00 | 071304SK134ASW001 | Specific Conductance | 100 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 7/13/2004 0:00 | 071304SK134ASW001 | Sulfate | 21.9 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 7/13/2004 0:00 | 071304SK134ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 7/13/2004 0:00 | 071304SK134ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 7/13/2004 0:00 | 071304SK134ASW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 7/13/2004 0:00 | 071304SK134ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 7/13/2004 0:00 | 071304SK134ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 7/13/2004 0:00 | 071304SK134ASW001 | Total Dissolved Solids | 80 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 7/13/2004 0:00 | 071304SK134ASW001 | Total Suspended Solids | 1.7 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 7/13/2004 0:00 | 071304SK134ASW001 | Vanadium | 0.447 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 7/13/2004 0:00 | 071304SK134ASW001 | Vanadium | 0.379 | UG/L | J | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 7/13/2004 0:00 | 071304SK134ASW001 | Zinc | 1.04 | UG/L | BQ1,J | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 7/13/2004 0:00 | 071304SK134ASW001 | Zinc | 1.12 | UG/L | BQ1,J | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 5/1/2004 0:00 | 050104SK136ASW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 5/1/2004 0:00 | 050104SK136ASW001 | Alkalinity, Total | 11.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 5/1/2004 0:00 | 050104SK136ASW001 | Aluminum | 256 | UG/L | | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 5/1/2004 0:00 | 050104SK136ASW001 | Aluminum | 46.5 | UG/L | BQ1 | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 5/1/2004 0:00 | 050104SK136ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 5/1/2004 0:00 | 050104SK136ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 5/1/2004 0:00 | 050104SK136ASW001 | Arsenic | 0.355 | UG/L | J | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK136A | 5/1/2004 0:00 | 050104SK136ASW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 5/1/2004 0:00 | 050104SK136ASW001 | Barium | 6.46 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 5/1/2004 0:00 | 050104SK136ASW001 | Barium | 4.22 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 5/1/2004 0:00 | 050104SK136ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 5/1/2004 0:00 | 050104SK136ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 5/1/2004 0:00 | 050104SK136ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 5/1/2004 0:00 | 050104SK136ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 5/1/2004 0:00 | 050104SK136ASW001 | Boron | 7.61 | UG/L | J | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 5/1/2004 0:00 | 050104SK136ASW001 | Boron | 5.14 | UG/L | J | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 5/1/2004 0:00 | 050104SK136ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 5/1/2004 0:00 | 050104SK136ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 5/1/2004 0:00 | 050104SK136ASW001 | Calcium | 4500 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 5/1/2004 0:00 | 050104SK136ASW001 | Calcium | 4150 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 5/1/2004 0:00 | 050104SK136ASW001 | Chloride | 0.756 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 5/1/2004 0:00 | 050104SK136ASW001 | Chromium | 0.328 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 5/1/2004 0:00 | 050104SK136ASW001 | Chromium | 0.172 | UG/L | J | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 5/1/2004 0:00 | 050104SK136ASW001 | Cobalt | 0.233 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 5/1/2004 0:00 | 050104SK136ASW001 | Cobalt | 0.167 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 5/1/2004 0:00 | 050104SK136ASW001 | Copper | 5.61 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 5/1/2004 0:00 | 050104SK136ASW001 | Copper | 3 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 5/1/2004 0:00 | 050104SK136ASW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 5/1/2004 0:00 | 050104SK136ASW001 | Cyanide, Weak Acid Dissociable | 0.0047 | MG/L | J | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 5/1/2004 0:00 | 050104SK136ASW001 | Fluoride | 0.051 | MG/L | J, BQ | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 5/1/2004 0:00 | 050104SK136ASW001 | Hardness as CaCO3 | 16.4 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 5/1/2004 0:00 | 050104SK136ASW001 | Hardness as CaCO3 | 15 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 5/1/2004 0:00 | 050104SK136ASW001 | Iron | 753 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 5/1/2004 0:00 | 050104SK136ASW001 | Iron | 275 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 5/1/2004 0:00 | 050104SK136ASW001 | Lead | 0.212 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 5/1/2004 0:00 | 050104SK136ASW001 | Lead | 0 | UG/L | J, BQ1 | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK136A | 5/1/2004 0:00 | 050104SK136ASW001 | Magnesium | 1250 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 5/1/2004 0:00 | 050104SK136ASW001 | Magnesium | 1120 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 5/1/2004 0:00 | 050104SK136ASW001 | Manganese | 68.8 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 5/1/2004 0:00 | 050104SK136ASW001 | Manganese | 51.4 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 5/1/2004 0:00 | 050104SK136ASW001 | Molybdenum | 1.46 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 5/1/2004 0:00 | 050104SK136ASW001 | Molybdenum | 1.11 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 5/1/2004 0:00 | 050104SK136ASW001 | Nickel | 0.696 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 5/1/2004 0:00 | 050104SK136ASW001 | Nickel | 0.509 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 5/1/2004 0:00 | 050104SK136ASW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 5/1/2004 0:00 | 050104SK136ASW001 | Nitrogen, Nitrate-Nitrite | 0.162 | MG/L | J- | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 5/1/2004 0:00 | 050104SK136ASW001 | pH | 6.7 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 5/1/2004 0:00 | 050104SK136ASW001 | Phosphorus, Total (as P) | 0.083 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 5/1/2004 0:00 | 050104SK136ASW001 | Potassium | 639 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 5/1/2004 0:00 | 050104SK136ASW001 | Potassium | 595 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 5/1/2004 0:00 | 050104SK136ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 5/1/2004 0:00 | 050104SK136ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 5/1/2004 0:00 | 050104SK136ASW001 | Silicon | 4020 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 5/1/2004 0:00 | 050104SK136ASW001 | Silver | 0.0062 | UG/L | J | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 5/1/2004 0:00 | 050104SK136ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 5/1/2004 0:00 | 050104SK136ASW001 | Sodium | 1840 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 5/1/2004 0:00 | 050104SK136ASW001 | Sodium | 1780 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 5/1/2004 0:00 | 050104SK136ASW001 | Specific Conductance | 70 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 5/1/2004 0:00 | 050104SK136ASW001 | Sulfate | 6.99 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 5/1/2004 0:00 | 050104SK136ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 5/1/2004 0:00 | 050104SK136ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 5/1/2004 0:00 | 050104SK136ASW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 5/1/2004 0:00 | 050104SK136ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 5/1/2004 0:00 | 050104SK136ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 5/1/2004 0:00 | 050104SK136ASW001 | Total Dissolved Solids | 36.3 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK136A | 5/1/2004 0:00 | 050104SK136ASW001 | Total Suspended Solids | 7.6 | MG/L | | 1 | 0.3 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 5/1/2004 0:00 | 050104SK136ASW001 | Vanadium | 0.812 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 5/1/2004 0:00 | 050104SK136ASW001 | Vanadium | 0.492 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 5/1/2004 0:00 | 050104SK136ASW001 | Zinc | 4.3 | UG/L | | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 5/1/2004 0:00 | 050104SK136ASW001 | Zinc | 3.81 | UG/L | | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 5/18/2004 0:00 | 051804SK136ASW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 5/18/2004 0:00 | 051804SK136ASW001 | Alkalinity, Total | 11 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 5/18/2004 0:00 | 051804SK136ASW001 | Aluminum | 327 | UG/L | | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 5/18/2004 0:00 | 051804SK136ASW001 | Aluminum | 27.6 | UG/L | BQ | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 5/18/2004 0:00 | 051804SK136ASW001 | Antimony | 0.0861 | UG/L | J,BQ1,BQ | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 5/18/2004 0:00 | 051804SK136ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 5/18/2004 0:00 | 051804SK136ASW001 | Arsenic | 0.387 | UG/L | J,BQ1 | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 5/18/2004 0:00 | 051804SK136ASW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 5/18/2004 0:00 | 051804SK136ASW001 | Barium | 4.33 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 5/18/2004 0:00 | 051804SK136ASW001 | Barium | 6.16 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 5/18/2004 0:00 | 051804SK136ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 5/18/2004 0:00 | 051804SK136ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 5/18/2004 0:00 | 051804SK136ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 5/18/2004 0:00 | 051804SK136ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 5/18/2004 0:00 | 051804SK136ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 5/18/2004 0:00 | 051804SK136ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 5/18/2004 0:00 | 051804SK136ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 5/18/2004 0:00 | 051804SK136ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 5/18/2004 0:00 | 051804SK136ASW001 | Calcium | 4640 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 5/18/2004 0:00 | 051804SK136ASW001 | Calcium | 4630 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 5/18/2004 0:00 | 051804SK136ASW001 | Chloride | 0.627 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 5/18/2004 0:00 | 051804SK136ASW001 | Chromium | 0.117 | UG/L | J,BQ1 | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 5/18/2004 0:00 | 051804SK136ASW001 | Chromium | 0.401 | UG/L | BQ1 | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 5/18/2004 0:00 | 051804SK136ASW001 | Cobalt | 1.91 | UG/L | J+ | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK136A | 5/18/2004 0:00 | 051804SK136ASW001 | Cobalt | 0.218 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 5/18/2004 0:00 | 051804SK136ASW001 | Copper | 3.04 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 5/18/2004 0:00 | 051804SK136ASW001 | Copper | 5.85 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 5/18/2004 0:00 | 051804SK136ASW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 5/18/2004 0:00 | 051804SK136ASW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 5/18/2004 0:00 | 051804SK136ASW001 | Fluoride | 0.061 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 5/18/2004 0:00 | 051804SK136ASW001 | Hardness as CaCO3 | 16.9 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 5/18/2004 0:00 | 051804SK136ASW001 | Hardness as CaCO3 | 16.6 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 5/18/2004 0:00 | 051804SK136ASW001 | Iron | 222 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 5/18/2004 0:00 | 051804SK136ASW001 | Iron | 703 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 5/18/2004 0:00 | 051804SK136ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 5/18/2004 0:00 | 051804SK136ASW001 | Lead | 0.134 | UG/L | J,BQ1 | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 5/18/2004 0:00 | 051804SK136ASW001 | Magnesium | 1230 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 5/18/2004 0:00 | 051804SK136ASW001 | Magnesium | 1290 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 5/18/2004 0:00 | 051804SK136ASW001 | Manganese | 35.9 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 5/18/2004 0:00 | 051804SK136ASW001 | Manganese | 42.5 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 5/18/2004 0:00 | 051804SK136ASW001 | Molybdenum | 1.42 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 5/18/2004 0:00 | 051804SK136ASW001 | Molybdenum | 1.78 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 5/18/2004 0:00 | 051804SK136ASW001 | Nickel | 0.606 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 5/18/2004 0:00 | 051804SK136ASW001 | Nickel | 0.673 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 5/18/2004 0:00 | 051804SK136ASW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 5/18/2004 0:00 | 051804SK136ASW001 | Nitrogen, Nitrate-Nitrite | 0.113 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 5/18/2004 0:00 | 051804SK136ASW001 | pH | 6.6 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 5/18/2004 0:00 | 051804SK136ASW001 | Phosphorus, Total (as P) | 0.062 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 5/18/2004 0:00 | 051804SK136ASW001 | Potassium | 455 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 5/18/2004 0:00 | 051804SK136ASW001 | Potassium | 491 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 5/18/2004 0:00 | 051804SK136ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 5/18/2004 0:00 | 051804SK136ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 5/18/2004 0:00 | 051804SK136ASW001 | Silicon | 4200 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK136A | 5/18/2004 0:00 | 051804SK136ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 5/18/2004 0:00 | 051804SK136ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 5/18/2004 0:00 | 051804SK136ASW001 | Sodium | 2080 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 5/18/2004 0:00 | 051804SK136ASW001 | Sodium | 2120 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 5/18/2004 0:00 | 051804SK136ASW001 | Specific Conductance | 60 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 5/18/2004 0:00 | 051804SK136ASW001 | Sulfate | 9.58 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 5/18/2004 0:00 | 051804SK136ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 5/18/2004 0:00 | 051804SK136ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 5/18/2004 0:00 | 051804SK136ASW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 5/18/2004 0:00 | 051804SK136ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 5/18/2004 0:00 | 051804SK136ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 5/18/2004 0:00 | 051804SK136ASW001 | Total Dissolved Solids | 47.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 5/18/2004 0:00 | 051804SK136ASW001 | Total Suspended Solids | 9.6 | MG/L | | 1 | 0.3 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 5/18/2004 0:00 | 051804SK136ASW001 | Vanadium | 0.363 | UG/L | J,BQ1 | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 5/18/2004 0:00 | 051804SK136ASW001 | Vanadium | 1.18 | UG/L | BQ1 | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 5/18/2004 0:00 | 051804SK136ASW001 | Zinc | 2.83 | UG/L | BQ1 | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 5/18/2004 0:00 | 051804SK136ASW001 | Zinc | 1.83 | UG/L | BQ1 | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 6/16/2004 0:00 | 061604SK136ASW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 6/16/2004 0:00 | 061604SK136ASW001 | Alkalinity, Total | 17.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 6/16/2004 0:00 | 061604SK136ASW001 | Aluminum | 29.6 | UG/L | BQ,BQ1 | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 6/16/2004 0:00 | 061604SK136ASW001 | Aluminum | 15 | UG/L | BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 6/16/2004 0:00 | 061604SK136ASW001 | Antimony | 1.81 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 6/16/2004 0:00 | 061604SK136ASW001 | Antimony | 0.156 | UG/L | BQ,J | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 6/16/2004 0:00 | 061604SK136ASW001 | Arsenic | 0.254 | UG/L | J | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 6/16/2004 0:00 | 061604SK136ASW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 6/16/2004 0:00 | 061604SK136ASW001 | Barium | 4.24 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 6/16/2004 0:00 | 061604SK136ASW001 | Barium | 5.03 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 6/16/2004 0:00 | 061604SK136ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 6/16/2004 0:00 | 061604SK136ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK136A | 6/16/2004 0:00 | 061604SK136ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 6/16/2004 0:00 | 061604SK136ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 6/16/2004 0:00 | 061604SK136ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 6/16/2004 0:00 | 061604SK136ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 6/16/2004 0:00 | 061604SK136ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 6/16/2004 0:00 | 061604SK136ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 6/16/2004 0:00 | 061604SK136ASW001 | Calcium | 8140 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 6/16/2004 0:00 | 061604SK136ASW001 | Calcium | 6750 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 6/16/2004 0:00 | 061604SK136ASW001 | Chloride | 0.549 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 6/16/2004 0:00 | 061604SK136ASW001 | Chromium | 0.182 | UG/L | J | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 6/16/2004 0:00 | 061604SK136ASW001 | Chromium | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 6/16/2004 0:00 | 061604SK136ASW001 | Cobalt | 2.29 | UG/L | BQ1,J | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 6/16/2004 0:00 | 061604SK136ASW001 | Cobalt | 0.101 | UG/L | BQ1,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 6/16/2004 0:00 | 061604SK136ASW001 | Copper | 2.95 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 6/16/2004 0:00 | 061604SK136ASW001 | Copper | 2.35 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 6/16/2004 0:00 | 061604SK136ASW001 | Cyanide | 0.004 | MG/L | J | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 6/16/2004 0:00 | 061604SK136ASW001 | Cyanide, Weak Acid Dissociable | 0.0039 | MG/L | J | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 6/16/2004 0:00 | 061604SK136ASW001 | Fluoride | 0.089 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 6/16/2004 0:00 | 061604SK136ASW001 | Hardness as CaCO3 | 29.2 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 6/16/2004 0:00 | 061604SK136ASW001 | Hardness as CaCO3 | 24 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 6/16/2004 0:00 | 061604SK136ASW001 | Iron | 362 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 6/16/2004 0:00 | 061604SK136ASW001 | Iron | 171 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 6/16/2004 0:00 | 061604SK136ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 6/16/2004 0:00 | 061604SK136ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 6/16/2004 0:00 | 061604SK136ASW001 | Magnesium | 2160 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 6/16/2004 0:00 | 061604SK136ASW001 | Magnesium | 1720 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 6/16/2004 0:00 | 061604SK136ASW001 | Manganese | 33.9 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 6/16/2004 0:00 | 061604SK136ASW001 | Manganese | 32.2 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 6/16/2004 0:00 | 061604SK136ASW001 | Molybdenum | 2.8 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK136A | 6/16/2004 0:00 | 061604SK136ASW001 | Molybdenum | 2.37 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 6/16/2004 0:00 | 061604SK136ASW001 | Nickel | 0.524 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 6/16/2004 0:00 | 061604SK136ASW001 | Nickel | 0.71 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 6/16/2004 0:00 | 061604SK136ASW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 6/16/2004 0:00 | 061604SK136ASW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | R | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 6/16/2004 0:00 | 061604SK136ASW001 | pH | 6.99 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 6/16/2004 0:00 | 061604SK136ASW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 6/16/2004 0:00 | 061604SK136ASW001 | Potassium | 486 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 6/16/2004 0:00 | 061604SK136ASW001 | Potassium | 394 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 6/16/2004 0:00 | 061604SK136ASW001 | Selenium | 0.355 | UG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 6/16/2004 0:00 | 061604SK136ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 6/16/2004 0:00 | 061604SK136ASW001 | Silicon | 5980 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 6/16/2004 0:00 | 061604SK136ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 6/16/2004 0:00 | 061604SK136ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 6/16/2004 0:00 | 061604SK136ASW001 | Sodium | 3480 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 6/16/2004 0:00 | 061604SK136ASW001 | Sodium | 2820 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 6/16/2004 0:00 | 061604SK136ASW001 | Specific Conductance | 85 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 6/16/2004 0:00 | 061604SK136ASW001 | Sulfate | 20.1 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 6/16/2004 0:00 | 061604SK136ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 6/16/2004 0:00 | 061604SK136ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 6/16/2004 0:00 | 061604SK136ASW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 6/16/2004 0:00 | 061604SK136ASW001 | Tin | 0.925 | UG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 6/16/2004 0:00 | 061604SK136ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 6/16/2004 0:00 | 061604SK136ASW001 | Total Dissolved Solids | 75 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 6/16/2004 0:00 | 061604SK136ASW001 | Total Suspended Solids | 1.5 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 6/16/2004 0:00 | 061604SK136ASW001 | Vanadium | 0.345 | UG/L | J | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 6/16/2004 0:00 | 061604SK136ASW001 | Vanadium | 0.538 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 6/16/2004 0:00 | 061604SK136ASW001 | Zinc | 0.978 | UG/L | BQ1,J | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 6/16/2004 0:00 | 061604SK136ASW001 | Zinc | 2.46 | UG/L | BQ1 | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK136A | 7/13/2004 0:00 | 071304SK136ASW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 7/13/2004 0:00 | 071304SK136ASW001 | Alkalinity, Total | 27 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 7/13/2004 0:00 | 071304SK136ASW001 | Aluminum | 163 | UG/L | | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 7/13/2004 0:00 | 071304SK136ASW001 | Aluminum | 49.2 | UG/L | BQ1 | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 7/13/2004 0:00 | 071304SK136ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 7/13/2004 0:00 | 071304SK136ASW001 | Antimony | 0.0829 | UG/L | BQ1,J | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 7/13/2004 0:00 | 071304SK136ASW001 | Arsenic | 0.692 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 7/13/2004 0:00 | 071304SK136ASW001 | Arsenic | 0.464 | UG/L | J | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 7/13/2004 0:00 | 071304SK136ASW001 | Barium | 7.69 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 7/13/2004 0:00 | 071304SK136ASW001 | Barium | 5.84 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 7/13/2004 0:00 | 071304SK136ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 7/13/2004 0:00 | 071304SK136ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 7/13/2004 0:00 | 071304SK136ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 7/13/2004 0:00 | 071304SK136ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 7/13/2004 0:00 | 071304SK136ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 7/13/2004 0:00 | 071304SK136ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 7/13/2004 0:00 | 071304SK136ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 7/13/2004 0:00 | 071304SK136ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 7/13/2004 0:00 | 071304SK136ASW001 | Calcium | 9280 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 7/13/2004 0:00 | 071304SK136ASW001 | Calcium | 8770 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 7/13/2004 0:00 | 071304SK136ASW001 | Chloride | 0.902 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 7/13/2004 0:00 | 071304SK136ASW001 | Chromium | 0.56 | UG/L | BQ1 | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 7/13/2004 0:00 | 071304SK136ASW001 | Chromium | 0.213 | UG/L | BQ1 | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 7/13/2004 0:00 | 071304SK136ASW001 | Cobalt | 0.162 | UG/L | BQ1,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 7/13/2004 0:00 | 071304SK136ASW001 | Cobalt | 2.47 | UG/L | J | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 7/13/2004 0:00 | 071304SK136ASW001 | Copper | 7.58 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 7/13/2004 0:00 | 071304SK136ASW001 | Copper | 4.26 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 7/13/2004 0:00 | 071304SK136ASW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 7/13/2004 0:00 | 071304SK136ASW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK136A | 7/13/2004 0:00 | 071304SK136ASW001 | Fluoride | 0.112 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 7/13/2004 0:00 | 071304SK136ASW001 | Hardness as CaCO3 | 32.7 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 7/13/2004 0:00 | 071304SK136ASW001 | Hardness as CaCO3 | 31.6 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 7/13/2004 0:00 | 071304SK136ASW001 | Iron | 788 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 7/13/2004 0:00 | 071304SK136ASW001 | Iron | 408 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 7/13/2004 0:00 | 071304SK136ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 7/13/2004 0:00 | 071304SK136ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 7/13/2004 0:00 | 071304SK136ASW001 | Magnesium | 2310 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 7/13/2004 0:00 | 071304SK136ASW001 | Magnesium | 2360 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 7/13/2004 0:00 | 071304SK136ASW001 | Manganese | 62.3 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 7/13/2004 0:00 | 071304SK136ASW001 | Manganese | 42.6 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 7/13/2004 0:00 | 071304SK136ASW001 | Molybdenum | 4 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 7/13/2004 0:00 | 071304SK136ASW001 | Molybdenum | 4.39 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 7/13/2004 0:00 | 071304SK136ASW001 | Nickel | 0.846 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 7/13/2004 0:00 | 071304SK136ASW001 | Nickel | 0.865 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 7/13/2004 0:00 | 071304SK136ASW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 7/13/2004 0:00 | 071304SK136ASW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 7/13/2004 0:00 | 071304SK136ASW001 | pH | 7.29 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 7/13/2004 0:00 | 071304SK136ASW001 | Phosphorus, Total (as P) | 0.0782 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 7/13/2004 0:00 | 071304SK136ASW001 | Potassium | 677 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 7/13/2004 0:00 | 071304SK136ASW001 | Potassium | 611 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 7/13/2004 0:00 | 071304SK136ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 7/13/2004 0:00 | 071304SK136ASW001 | Selenium | 0.374 | UG/L | J | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 7/13/2004 0:00 | 071304SK136ASW001 | Silicon | 7190 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 7/13/2004 0:00 | 071304SK136ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 7/13/2004 0:00 | 071304SK136ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 7/13/2004 0:00 | 071304SK136ASW001 | Sodium | 3610 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 7/13/2004 0:00 | 071304SK136ASW001 | Sodium | 3690 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 7/13/2004 0:00 | 071304SK136ASW001 | Specific Conductance | 100 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK136A | 7/13/2004 0:00 | 071304SK136ASW001 | Sulfate | 19 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 7/13/2004 0:00 | 071304SK136ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 7/13/2004 0:00 | 071304SK136ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 7/13/2004 0:00 | 071304SK136ASW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 7/13/2004 0:00 | 071304SK136ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 7/13/2004 0:00 | 071304SK136ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 7/13/2004 0:00 | 071304SK136ASW001 | Total Dissolved Solids | 72.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 7/13/2004 0:00 | 071304SK136ASW001 | Total Suspended Solids | 4.9 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 7/13/2004 0:00 | 071304SK136ASW001 | Vanadium | 1.28 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 7/13/2004 0:00 | 071304SK136ASW001 | Vanadium | 0.708 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 7/13/2004 0:00 | 071304SK136ASW001 | Zinc | 1.81 | UG/L | BQ,BQ1 | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 7/13/2004 0:00 | 071304SK136ASW001 | Zinc | 1.21 | UG/L | BQ,BQ1,J | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 5/1/2004 0:00 | 050104SK136BSW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 5/1/2004 0:00 | 050104SK136BSW001 | Alkalinity, Total | 14 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 5/1/2004 0:00 | 050104SK136BSW001 | Aluminum | 112 | UG/L | | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 5/1/2004 0:00 | 050104SK136BSW001 | Aluminum | 36.6 | UG/L | BQ1 | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 5/1/2004 0:00 | 050104SK136BSW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 5/1/2004 0:00 | 050104SK136BSW001 | Antimony | 0.183 | UG/L | J, BQ1 | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 5/1/2004 0:00 | 050104SK136BSW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 5/1/2004 0:00 | 050104SK136BSW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 5/1/2004 0:00 | 050104SK136BSW001 | Barium | 6.53 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 5/1/2004 0:00 | 050104SK136BSW001 | Barium | 4.7 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 5/1/2004 0:00 | 050104SK136BSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 5/1/2004 0:00 | 050104SK136BSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 5/1/2004 0:00 | 050104SK136BSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 5/1/2004 0:00 | 050104SK136BSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 5/1/2004 0:00 | 050104SK136BSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 5/1/2004 0:00 | 050104SK136BSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 5/1/2004 0:00 | 050104SK136BSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK136B | 5/1/2004 0:00 | 050104SK136BSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 5/1/2004 0:00 | 050104SK136BSW001 | Calcium | 5400 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 5/1/2004 0:00 | 050104SK136BSW001 | Calcium | 4970 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 5/1/2004 0:00 | 050104SK136BSW001 | Chloride | 1.04 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 5/1/2004 0:00 | 050104SK136BSW001 | Chromium | 0.237 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 5/1/2004 0:00 | 050104SK136BSW001 | Chromium | 0.249 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 5/1/2004 0:00 | 050104SK136BSW001 | Cobalt | 0.217 | UG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 5/1/2004 0:00 | 050104SK136BSW001 | Cobalt | 0.353 | UG/L | J | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 5/1/2004 0:00 | 050104SK136BSW001 | Copper | 3.01 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 5/1/2004 0:00 | 050104SK136BSW001 | Copper | 2.07 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 5/1/2004 0:00 | 050104SK136BSW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 5/1/2004 0:00 | 050104SK136BSW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 5/1/2004 0:00 | 050104SK136BSW001 | Fluoride | 0.048 | MG/L | J, BQ | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 5/1/2004 0:00 | 050104SK136BSW001 | Hardness as CaCO3 | 19.2 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 5/1/2004 0:00 | 050104SK136BSW001 | Hardness as CaCO3 | 17.7 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 5/1/2004 0:00 | 050104SK136BSW001 | Iron | 870 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 5/1/2004 0:00 | 050104SK136BSW001 | Iron | 346 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 5/1/2004 0:00 | 050104SK136BSW001 | Lead | 0.162 | UG/L | J | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 5/1/2004 0:00 | 050104SK136BSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 5/1/2004 0:00 | 050104SK136BSW001 | Magnesium | 1390 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 5/1/2004 0:00 | 050104SK136BSW001 | Magnesium | 1300 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 5/1/2004 0:00 | 050104SK136BSW001 | Manganese | 84.9 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 5/1/2004 0:00 | 050104SK136BSW001 | Manganese | 65.8 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 5/1/2004 0:00 | 050104SK136BSW001 | Molybdenum | 0.35 | UG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 5/1/2004 0:00 | 050104SK136BSW001 | Molybdenum | 0.428 | UG/L | J | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 5/1/2004 0:00 | 050104SK136BSW001 | Nickel | 0.823 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 5/1/2004 0:00 | 050104SK136BSW001 | Nickel | 0.703 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 5/1/2004 0:00 | 050104SK136BSW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 5/1/2004 0:00 | 050104SK136BSW001 | Nitrogen, Nitrate-Nitrite | 0.091 | MG/L | J, J- | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK136B | 5/1/2004 0:00 | 050104SK136BSW001 | pH | 6.6 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 5/1/2004 0:00 | 050104SK136BSW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 5/1/2004 0:00 | 050104SK136BSW001 | Potassium | 571 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 5/1/2004 0:00 | 050104SK136BSW001 | Potassium | 536 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 5/1/2004 0:00 | 050104SK136BSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 5/1/2004 0:00 | 050104SK136BSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 5/1/2004 0:00 | 050104SK136BSW001 | Silicon | 3420 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 5/1/2004 0:00 | 050104SK136BSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 5/1/2004 0:00 | 050104SK136BSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 5/1/2004 0:00 | 050104SK136BSW001 | Sodium | 2000 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 5/1/2004 0:00 | 050104SK136BSW001 | Sodium | 1990 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 5/1/2004 0:00 | 050104SK136BSW001 | Specific Conductance | 70 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 5/1/2004 0:00 | 050104SK136BSW001 | Sulfate | 6.28 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 5/1/2004 0:00 | 050104SK136BSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 5/1/2004 0:00 | 050104SK136BSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 5/1/2004 0:00 | 050104SK136BSW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 5/1/2004 0:00 | 050104SK136BSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 5/1/2004 0:00 | 050104SK136BSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 5/1/2004 0:00 | 050104SK136BSW001 | Total Dissolved Solids | 42.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 5/1/2004 0:00 | 050104SK136BSW001 | Total Suspended Solids | 5.2 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 5/1/2004 0:00 | 050104SK136BSW001 | Vanadium | 0.442 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 5/1/2004 0:00 | 050104SK136BSW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 5/1/2004 0:00 | 050104SK136BSW001 | Zinc | 3.52 | UG/L | | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 5/1/2004 0:00 | 050104SK136BSW001 | Zinc | 2.85 | UG/L | | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 5/18/2004 0:00 | 051804SK136BSW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 5/18/2004 0:00 | 051804SK136BSW001 | Alkalinity, Total | 9.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 5/18/2004 0:00 | 051804SK136BSW001 | Aluminum | 57.5 | UG/L | | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 5/18/2004 0:00 | 051804SK136BSW001 | Aluminum | 24 | UG/L | J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 5/18/2004 0:00 | 051804SK136BSW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK136B | 5/18/2004 0:00 | 051804SK136BSW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 5/18/2004 0:00 | 051804SK136BSW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 5/18/2004 0:00 | 051804SK136BSW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 5/18/2004 0:00 | 051804SK136BSW001 | Barium | 2.94 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 5/18/2004 0:00 | 051804SK136BSW001 | Barium | 3.57 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 5/18/2004 0:00 | 051804SK136BSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 5/18/2004 0:00 | 051804SK136BSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 5/18/2004 0:00 | 051804SK136BSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 5/18/2004 0:00 | 051804SK136BSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 5/18/2004 0:00 | 051804SK136BSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 5/18/2004 0:00 | 051804SK136BSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 5/18/2004 0:00 | 051804SK136BSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 5/18/2004 0:00 | 051804SK136BSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 5/18/2004 0:00 | 051804SK136BSW001 | Calcium | 4180 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 5/18/2004 0:00 | 051804SK136BSW001 | Calcium | 4060 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 5/18/2004 0:00 | 051804SK136BSW001 | Chloride | 0.589 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 5/18/2004 0:00 | 051804SK136BSW001 | Chromium | 0.137 | UG/L | J,BQ1,BQ | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 5/18/2004 0:00 | 051804SK136BSW001 | Chromium | 0.144 | UG/L | J,BQ1 | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 5/18/2004 0:00 | 051804SK136BSW001 | Cobalt | 0.0626 | UG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 5/18/2004 0:00 | 051804SK136BSW001 | Cobalt | 1.86 | UG/L | J+ | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 5/18/2004 0:00 | 051804SK136BSW001 | Copper | 2.62 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 5/18/2004 0:00 | 051804SK136BSW001 | Copper | 2.76 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 5/18/2004 0:00 | 051804SK136BSW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 5/18/2004 0:00 | 051804SK136BSW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 5/18/2004 0:00 | 051804SK136BSW001 | Fluoride | 0.046 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 5/18/2004 0:00 | 051804SK136BSW001 | Hardness as CaCO3 | 14.6 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 5/18/2004 0:00 | 051804SK136BSW001 | Hardness as CaCO3 | 14.3 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 5/18/2004 0:00 | 051804SK136BSW001 | Iron | 378 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 5/18/2004 0:00 | 051804SK136BSW001 | Iron | 233 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK136B | 5/18/2004 0:00 | 051804SK136BSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 5/18/2004 0:00 | 051804SK136BSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 5/18/2004 0:00 | 051804SK136BSW001 | Magnesium | 1020 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 5/18/2004 0:00 | 051804SK136BSW001 | Magnesium | 1010 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 5/18/2004 0:00 | 051804SK136BSW001 | Manganese | 16.7 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 5/18/2004 0:00 | 051804SK136BSW001 | Manganese | 17.8 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 5/18/2004 0:00 | 051804SK136BSW001 | Molybdenum | 0.363 | UG/L | J,BQ | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 5/18/2004 0:00 | 051804SK136BSW001 | Molybdenum | 0.396 | UG/L | J | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 5/18/2004 0:00 | 051804SK136BSW001 | Nickel | 0.543 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 5/18/2004 0:00 | 051804SK136BSW001 | Nickel | 0.647 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 5/18/2004 0:00 | 051804SK136BSW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 5/18/2004 0:00 | 051804SK136BSW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 5/18/2004 0:00 | 051804SK136BSW001 | pH | 6.7 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 5/18/2004 0:00 | 051804SK136BSW001 | Phosphorus, Total (as P) | 0.036 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 5/18/2004 0:00 | 051804SK136BSW001 | Potassium | 422 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 5/18/2004 0:00 | 051804SK136BSW001 | Potassium | 403 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 5/18/2004 0:00 | 051804SK136BSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 5/18/2004 0:00 | 051804SK136BSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 5/18/2004 0:00 | 051804SK136BSW001 | Silicon | 3410 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 5/18/2004 0:00 | 051804SK136BSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 5/18/2004 0:00 | 051804SK136BSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 5/18/2004 0:00 | 051804SK136BSW001 | Sodium | 1870 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 5/18/2004 0:00 | 051804SK136BSW001 | Sodium | 1900 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 5/18/2004 0:00 | 051804SK136BSW001 | Specific Conductance | 45 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 5/18/2004 0:00 | 051804SK136BSW001 | Sulfate | 9.22 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 5/18/2004 0:00 | 051804SK136BSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 5/18/2004 0:00 | 051804SK136BSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 5/18/2004 0:00 | 051804SK136BSW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 5/18/2004 0:00 | 051804SK136BSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK136B | 5/18/2004 0:00 | 051804SK136BSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 5/18/2004 0:00 | 051804SK136BSW001 | Total Dissolved Solids | 26.3 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 5/18/2004 0:00 | 051804SK136BSW001 | Total Suspended Solids | 2.3 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 5/18/2004 0:00 | 051804SK136BSW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 5/18/2004 0:00 | 051804SK136BSW001 | Vanadium | 0.269 | UG/L | J,BQ1 | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 5/18/2004 0:00 | 051804SK136BSW001 | Zinc | 2.06 | UG/L | BQ1 | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 5/18/2004 0:00 | 051804SK136BSW001 | Zinc | 1.95 | UG/L | BQ1 | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 6/16/2004 0:00 | 061604SK136BSW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 6/16/2004 0:00 | 061604SK136BSW001 | Alkalinity, Total | 13.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 6/16/2004 0:00 | 061604SK136BSW001 | Aluminum | 14.5 | UG/L | BQ,BQ1,J | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 6/16/2004 0:00 | 061604SK136BSW001 | Aluminum | 10.5 | UG/L | BQ,BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 6/16/2004 0:00 | 061604SK136BSW001 | Antimony | 6.46 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 6/16/2004 0:00 | 061604SK136BSW001 | Antimony | 0.29 | UG/L | BQ | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 6/16/2004 0:00 | 061604SK136BSW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 6/16/2004 0:00 | 061604SK136BSW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 6/16/2004 0:00 | 061604SK136BSW001 | Barium | 4.63 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 6/16/2004 0:00 | 061604SK136BSW001 | Barium | 5.3 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 6/16/2004 0:00 | 061604SK136BSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 6/16/2004 0:00 | 061604SK136BSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 6/16/2004 0:00 | 061604SK136BSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 6/16/2004 0:00 | 061604SK136BSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 6/16/2004 0:00 | 061604SK136BSW001 | Boron | 6.15 | UG/L | J | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 6/16/2004 0:00 | 061604SK136BSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 6/16/2004 0:00 | 061604SK136BSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 6/16/2004 0:00 | 061604SK136BSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 6/16/2004 0:00 | 061604SK136BSW001 | Calcium | 7800 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 6/16/2004 0:00 | 061604SK136BSW001 | Calcium | 7520 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 6/16/2004 0:00 | 061604SK136BSW001 | Chloride | 0.54 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 6/16/2004 0:00 | 061604SK136BSW001 | Chromium | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK136B | 6/16/2004 0:00 | 061604SK136BSW001 | Chromium | 0.205 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 6/16/2004 0:00 | 061604SK136BSW001 | Cobalt | 0.0621 | UG/L | BQ1,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 6/16/2004 0:00 | 061604SK136BSW001 | Cobalt | 2.71 | UG/L | BQ1,J | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 6/16/2004 0:00 | 061604SK136BSW001 | Copper | 2.62 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 6/16/2004 0:00 | 061604SK136BSW001 | Copper | 2.24 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 6/16/2004 0:00 | 061604SK136BSW001 | Cyanide | 0.005 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 6/16/2004 0:00 | 061604SK136BSW001 | Cyanide, Weak Acid Dissociable | 0.0058 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 6/16/2004 0:00 | 061604SK136BSW001 | Fluoride | 0.083 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 6/16/2004 0:00 | 061604SK136BSW001 | Hardness as CaCO3 | 26.9 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 6/16/2004 0:00 | 061604SK136BSW001 | Hardness as CaCO3 | 25.2 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 6/16/2004 0:00 | 061604SK136BSW001 | Iron | 274 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 6/16/2004 0:00 | 061604SK136BSW001 | Iron | 163 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 6/16/2004 0:00 | 061604SK136BSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 6/16/2004 0:00 | 061604SK136BSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 6/16/2004 0:00 | 061604SK136BSW001 | Magnesium | 1790 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 6/16/2004 0:00 | 061604SK136BSW001 | Magnesium | 1560 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 6/16/2004 0:00 | 061604SK136BSW001 | Manganese | 13.4 | UG/L | BQ1 | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 6/16/2004 0:00 | 061604SK136BSW001 | Manganese | 15.2 | UG/L | BQ1 | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 6/16/2004 0:00 | 061604SK136BSW001 | Molybdenum | 0.668 | UG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 6/16/2004 0:00 | 061604SK136BSW001 | Molybdenum | 0.575 | UG/L | J | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 6/16/2004 0:00 | 061604SK136BSW001 | Nickel | 0.701 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 6/16/2004 0:00 | 061604SK136BSW001 | Nickel | 0.789 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 6/16/2004 0:00 | 061604SK136BSW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 6/16/2004 0:00 | 061604SK136BSW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | R | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 6/16/2004 0:00 | 061604SK136BSW001 | pH | 7.04 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 6/16/2004 0:00 | 061604SK136BSW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 6/16/2004 0:00 | 061604SK136BSW001 | Potassium | 474 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 6/16/2004 0:00 | 061604SK136BSW001 | Potassium | 449 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 6/16/2004 0:00 | 061604SK136BSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK136B | 6/16/2004 0:00 | 061604SK136BSW001 | Selenium | 0.5 | UG/L | J | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 6/16/2004 0:00 | 061604SK136BSW001 | Silicon | 4600 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 6/16/2004 0:00 | 061604SK136BSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 6/16/2004 0:00 | 061604SK136BSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 6/16/2004 0:00 | 061604SK136BSW001 | Sodium | 3270 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 6/16/2004 0:00 | 061604SK136BSW001 | Sodium | 2890 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 6/16/2004 0:00 | 061604SK136BSW001 | Specific Conductance | 80 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 6/16/2004 0:00 | 061604SK136BSW001 | Sulfate | 21.7 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 6/16/2004 0:00 | 061604SK136BSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 6/16/2004 0:00 | 061604SK136BSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 6/16/2004 0:00 | 061604SK136BSW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 6/16/2004 0:00 | 061604SK136BSW001 | Tin | 0.492 | UG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 6/16/2004 0:00 | 061604SK136BSW001 | Tin | 0.618 | UG/L | J | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 6/16/2004 0:00 | 061604SK136BSW001 | Total Dissolved Solids | 48.8 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 6/16/2004 0:00 | 061604SK136BSW001 | Total Suspended Solids | 0.9 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 6/16/2004 0:00 | 061604SK136BSW001 | Vanadium | 0.276 | UG/L | J | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 6/16/2004 0:00 | 061604SK136BSW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 6/16/2004 0:00 | 061604SK136BSW001 | Zinc | 1.15 | UG/L | BQ1,J | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 6/16/2004 0:00 | 061604SK136BSW001 | Zinc | 2.07 | UG/L | BQ1 | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 7/13/2004 0:00 | 071304SK136BSW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 7/13/2004 0:00 | 071304SK136BSW001 | Alkalinity, Total | 21 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 7/13/2004 0:00 | 071304SK136BSW001 | Aluminum | 34.1 | UG/L | BQ,BQ1 | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 7/13/2004 0:00 | 071304SK136BSW001 | Aluminum | 15.7 | UG/L | BQ,BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 7/13/2004 0:00 | 071304SK136BSW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 7/13/2004 0:00 | 071304SK136BSW001 | Antimony | 0.0929 | UG/L | BQ1,J | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 7/13/2004 0:00 | 071304SK136BSW001 | Arsenic | 0.266 | UG/L | J | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 7/13/2004 0:00 | 071304SK136BSW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 7/13/2004 0:00 | 071304SK136BSW001 | Barium | 6.62 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 7/13/2004 0:00 | 071304SK136BSW001 | Barium | 6.67 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK136B | 7/13/2004 0:00 | 071304SK136BSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 7/13/2004 0:00 | 071304SK136BSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 7/13/2004 0:00 | 071304SK136BSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 7/13/2004 0:00 | 071304SK136BSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 7/13/2004 0:00 | 071304SK136BSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 7/13/2004 0:00 | 071304SK136BSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 7/13/2004 0:00 | 071304SK136BSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 7/13/2004 0:00 | 071304SK136BSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 7/13/2004 0:00 | 071304SK136BSW001 | Calcium | 9710 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 7/13/2004 0:00 | 071304SK136BSW001 | Calcium | 9350 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 7/13/2004 0:00 | 071304SK136BSW001 | Chloride | 0.54 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 7/13/2004 0:00 | 071304SK136BSW001 | Chromium | 0.156 | UG/L | BQ1,J | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 7/13/2004 0:00 | 071304SK136BSW001 | Chromium | 0.184 | UG/L | BQ1,J | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 7/13/2004 0:00 | 071304SK136BSW001 | Cobalt | 0.14 | UG/L | BQ1,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 7/13/2004 0:00 | 071304SK136BSW001 | Cobalt | 0.898 | UG/L | BQ1,J | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 7/13/2004 0:00 | 071304SK136BSW001 | Copper | 4.23 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 7/13/2004 0:00 | 071304SK136BSW001 | Copper | 3.05 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 7/13/2004 0:00 | 071304SK136BSW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 7/13/2004 0:00 | 071304SK136BSW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 7/13/2004 0:00 | 071304SK136BSW001 | Fluoride | 0.075 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 7/13/2004 0:00 | 071304SK136BSW001 | Hardness as CaCO3 | 32.6 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 7/13/2004 0:00 | 071304SK136BSW001 | Hardness as CaCO3 | 31.8 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 7/13/2004 0:00 | 071304SK136BSW001 | Iron | 728 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 7/13/2004 0:00 | 071304SK136BSW001 | Iron | 381 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 7/13/2004 0:00 | 071304SK136BSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 7/13/2004 0:00 | 071304SK136BSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 7/13/2004 0:00 | 071304SK136BSW001 | Magnesium | 2020 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 7/13/2004 0:00 | 071304SK136BSW001 | Magnesium | 2060 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 7/13/2004 0:00 | 071304SK136BSW001 | Manganese | 63.6 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK136B | 7/13/2004 0:00 | 071304SK136BSW001 | Manganese | 49.3 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 7/13/2004 0:00 | 071304SK136BSW001 | Molybdenum | 0.663 | UG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 7/13/2004 0:00 | 071304SK136BSW001 | Molybdenum | 0.832 | UG/L | J | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 7/13/2004 0:00 | 071304SK136BSW001 | Nickel | 1 | UG/L | J | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 7/13/2004 0:00 | 071304SK136BSW001 | Nickel | 1.23 | UG/L | J | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 7/13/2004 0:00 | 071304SK136BSW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 7/13/2004 0:00 | 071304SK136BSW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 7/13/2004 0:00 | 071304SK136BSW001 | pH | 7.27 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 7/13/2004 0:00 | 071304SK136BSW001 | Phosphorus, Total (as P) | 0.0391 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 7/13/2004 0:00 | 071304SK136BSW001 | Potassium | 487 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 7/13/2004 0:00 | 071304SK136BSW001 | Potassium | 482 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 7/13/2004 0:00 | 071304SK136BSW001 | Selenium | 0.36 | UG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 7/13/2004 0:00 | 071304SK136BSW001 | Selenium | 0.343 | UG/L | J | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 7/13/2004 0:00 | 071304SK136BSW001 | Silicon | 5230 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 7/13/2004 0:00 | 071304SK136BSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 7/13/2004 0:00 | 071304SK136BSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 7/13/2004 0:00 | 071304SK136BSW001 | Sodium | 3490 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 7/13/2004 0:00 | 071304SK136BSW001 | Sodium | 3540 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 7/13/2004 0:00 | 071304SK136BSW001 | Specific Conductance | 100 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 7/13/2004 0:00 | 071304SK136BSW001 | Sulfate | 24 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 7/13/2004 0:00 | 071304SK136BSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 7/13/2004 0:00 | 071304SK136BSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 7/13/2004 0:00 | 071304SK136BSW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 7/13/2004 0:00 | 071304SK136BSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 7/13/2004 0:00 | 071304SK136BSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 7/13/2004 0:00 | 071304SK136BSW001 | Total Dissolved Solids | 72.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 7/13/2004 0:00 | 071304SK136BSW001 | Total Suspended Solids | 2.5 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 7/13/2004 0:00 | 071304SK136BSW001 | Vanadium | 0.334 | UG/L | J | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 7/13/2004 0:00 | 071304SK136BSW001 | Vanadium | 0.33 | UG/L | J | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK136B | 7/13/2004 0:00 | 071304SK136BSW001 | Zinc | 1.5 | UG/L | BQ,BQ1 | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 7/13/2004 0:00 | 071304SK136BSW001 | Zinc | 1.29 | UG/L | BQ,BQ1,J | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

# APPENDIX 6-E
# 2004 Surface Water-quality Data Table

## South Fork Koktuli River
## August to November

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100A | 8/14/2004 0:00 | 081404SK100ASW001 | Alkalinity, Total | 16 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | 1,1,1,2-Tetrachloroethane | 0 | UG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | 1,1,1-Trichloroethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | 1,1,2,2-Tetrachloroethane | 0 | UG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | 1,1,2-Trichloroethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | 1,1-Dichloroethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | 1,1-Dichloroethene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | 1,1-Dichloropropene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | 1,2,3-Trichlorobenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | 1,2,3-Trichloropropane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | 1,2,4-Trichlorobenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | 1,2,4-Trichlorobenzene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | 1,2,4-Trimethylbenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | 1,2-Dibromo-3-chloropropane | 0 | UG/L | | 2 | 0.62 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | 1,2-Dibromoethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | 1,2-Dichlorobenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | 1,2-Dichlorobenzene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | 1,2-Dichloroethane | 0 | UG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | 1,2-Dichloropropane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | 1,3,5-Trimethylbenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | 1,3-Dichlorobenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | 1,3-Dichlorobenzene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | 1,3-Dichloropropane | 0 | UG/L | | 0.4 | 0.12 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | 1,4-Dichlorobenzene | 0 | UG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | 1,4-Dichlorobenzene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | 1-Chlorohexane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | 2,2-Dichloropropane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | 2,4,5-Trichlorophenol | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | 2,4,6-Trichlorophenol | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | 2,4-Dichlorophenol | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | 2,4-Dimethylphenol | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | 2,4-Dinitrophenol | 0 | UG/L | | 72 | 22 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | 2,4-Dinitrotoluene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | 2,6-Dinitrotoluene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | 2-Butanone | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | 2-Chloroethyl vinyl ether | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | 2-Chloronaphthalene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | 2-Chlorophenol | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | 2-Chlorotoluene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | 2-Hexanone | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | 2-Methyl-4,6-dinitrophenol | 0 | UG/L | | 52 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | 2-Methylnaphthalene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | 2-Methylphenol (o-Cresol) | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | 2-Nitroaniline | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | 2-Nitrophenol | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | 3,3'-Dichlorobenzidine | 0 | UG/L | R | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | 3-Methylphenol/4-Methylphenol Coelution | 0 | UG/L | | 21 | 6.4 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | 3-Nitroaniline | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | 4,4'-DDD | 0 | UG/L | | 0.0316 | 0.0099 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | 4,4'-DDE | 0 | UG/L | | 0.0316 | 0.0099 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | 4,4'-DDT | 0 | UG/L | | 0.0316 | 0.0099 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | 4-Bromophenyl phenyl ether | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | 4-Chloro-3-methylphenol | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | 4-Chloroaniline | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | 4-Chlorophenyl phenyl ether | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | 4-Chlorotoluene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | 4-Isopropyltoluene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | 4-Methyl-2-pentanone | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | 4-Nitroaniline | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | 4-Nitrophenol | 0 | UG/L | | 52 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Acenaphthene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Acenaphthylene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Acetone | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Acrylonitrile | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Aldrin | 0 | UG/L | | 0.0526 | 0.0158 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Alkalinity, Total | 18 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | alpha-BHC | 0 | UG/L | | 0.0316 | 0.0099 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | alpha-Chlordane | 0 | UG/L | | 0.0316 | 0.0099 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Aluminum | 16.2 | UG/L | BQ,BQ1,J | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Aluminum | 8.99 | UG/L | BQ,BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Aniline | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Anthracene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Antimony | 0.0949 | UG/L | BQ1,J | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Arsenic | 0.373 | UG/L | J | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Arsenic | 0.263 | UG/L | J | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Azobenzene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Barium | 2.02 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Barium | 1.86 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Benzene | 0 | UG/L | | 0.4 | 0.12 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Benzo(a)anthracene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Benzo(a)pyrene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Benzo(b)fluoranthene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Benzo(g,h,i)perylene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Benzo(k)fluoranthene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Benzoic acid | 0 | UG/L | | 52 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Benzyl alcohol | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Benzyl butyl phthalate | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | beta-BHC | 0 | UG/L | | 0.105 | 0.0326 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | bis-(2-Chloroethoxy)methane | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | bis-(2-Chloroethyl)ether | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | bis(2-Chloroisopropyl)ether | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | bis-(2-Ethylhexyl)phthalate | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Bromobenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Bromochloromethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Bromodichloromethane | 0 | UG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Bromoform | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Bromomethane | 0 | UG/L | | 3 | 0.94 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Calcium | 4320 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Calcium | 4690 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Carbon disulfide | 0 | UG/L | | 2 | 0.62 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Carbon tetrachloride | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Chloride | 0.959 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Chlorobenzene | 0 | UG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Chloroethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Chloroform | 0 | UG/L | | 1 | 0.3 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Chloromethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Chromium | 0.154 | UG/L | BQ1,J | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Chromium | 0.155 | UG/L | BQ1,J | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Chrysene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | cis-1,2-Dichloroethene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | cis-1,3-Dichloropropene | 0 | UG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Cobalt | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Cobalt | 0.908 | UG/L | BQ1 | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Copper | 0.733 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Copper | 0.274 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Cyanide, Weak Acid Dissociable | 0.0027 | MG/L | J | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | delta-BHC | 0 | UG/L | | 0.0316 | 0.0099 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Dibenzo(a,h)anthracene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Dibenzofuran | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Dibromochloromethane | 0 | UG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Dibromomethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Dichlorodifluoromethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Dieldrin | 0 | UG/L | | 0.0316 | 0.0099 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Diethyl phthalate | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Dimethyl phthalate | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Di-n-butyl phthalate | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Di-n-octyl phthalate | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Endosulfan I | 0 | UG/L | | 0.0316 | 0.0099 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Endosulfan II | 0 | UG/L | | 0.0316 | 0.0099 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Endosulfan sulfate | 0 | UG/L | | 0.0316 | 0.0099 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Endrin | 0 | UG/L | | 0.0316 | 0.0099 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Endrin aldehyde | 0 | UG/L | | 0.0526 | 0.0158 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Endrin ketone | 0 | UG/L | | 0.0316 | 0.0158 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Ethylbenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Fluoranthene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Fluorene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Fluoride | 0.078 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | gamma-BHC (Lindane) | 0 | UG/L | | 0.0316 | 0.0105 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | gamma-Chlordane | 0 | UG/L | | 0.0316 | 0.0099 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Hardness as CaCO3 | 14.4 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Hardness as CaCO3 | 15.7 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Heptachlor | 0 | UG/L | | 0.105 | 0.0158 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Heptachlor epoxide | 0 | UG/L | | 0.0316 | 0.0099 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Hexachlorobenzene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Hexachlorobutadiene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Hexachlorobutadiene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Hexachlorocyclopentadiene | 0 | UG/L | | 31 | 9.7 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Hexachloroethane | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Indeno(1,2,3-cd)pyrene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Iron | 22.3 | UG/L | BQ1 | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Iron | 14.6 | UG/L | BQ1,J | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Isophorone | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Isopropylbenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Magnesium | 874 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Magnesium | 970 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Manganese | 2.88 | UG/L | BQ1 | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Manganese | 4.1 | UG/L | BQ1 | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Methoxychlor | 0 | UG/L | | 0.0316 | 0.0099 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Methyl iodide | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Methylene chloride | 0 | UG/L | | 5 | 1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Methyl-tert-butyl ether (MTBE) | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Naphthalene | 0 | UG/L | | 2 | 0.62 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Naphthalene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | n-Butylbenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Nickel | 0.0884 | UG/L | J | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Nickel | 0.46 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Nitrobenzene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | n-Nitrosodimethylamine | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | n-Nitrosodi-n-propylamine | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | n-Nitrosodiphenylamine | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | n-Propylbenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | o-Xylene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Pentachlorophenol | 0 | UG/L | | 52 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | pH | 7.5 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Phenanthrene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Phenol | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Potassium | 300 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Potassium | 318 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Pyrene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | sec-Butylbenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Silicon | 5220 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Sodium | 1960 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Sodium | 2130 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Specific Conductance | 45 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Styrene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Sulfate | 3.2 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | tert-Butylbenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Tetrachloroethene (PCE) | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Thiocyanate | 0.16 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Toluene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Total Dissolved Solids | 31.3 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Total Suspended Solids | 0.526 | MG/L | J | 0.526 | 0.158 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Toxaphene | 0 | UG/L | | 1.05 | 0.326 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | trans-1,2-Dichloroethene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | trans-1,3-Dichloropropene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | trans-1,4-Dichloro-2-butene | 0 | UG/L | | 2 | 0.62 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Trichloroethene (TCE) | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Trichlorofluoromethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Vanadium | 0.27 | UG/L | J | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Vinyl acetate | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Vinyl chloride | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Xylene, Isomers m & p | 0 | UG/L | | 2 | 0.62 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Zinc | 1.39 | UG/L | BQ1,J | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 8/24/2004 0:00 | 082404SK100ASW001 | Zinc | 1.67 | UG/L | BQ1 | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 9/14/2004 0:00 | 091404SK100ASW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 9/14/2004 0:00 | 091404SK100ASW001 | Alkalinity, Total | 17 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 9/14/2004 0:00 | 091404SK100ASW001 | Aluminum | 18.6 | UG/L | BQ,BQ1,J | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 9/14/2004 0:00 | 091404SK100ASW001 | Aluminum | 10.8 | UG/L | BQ,BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 9/14/2004 0:00 | 091404SK100ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 9/14/2004 0:00 | 091404SK100ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 9/14/2004 0:00 | 091404SK100ASW001 | Arsenic | 0.375 | UG/L | J | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 9/14/2004 0:00 | 091404SK100ASW001 | Arsenic | 0.298 | UG/L | J | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 9/14/2004 0:00 | 091404SK100ASW001 | Barium | 1.84 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 9/14/2004 0:00 | 091404SK100ASW001 | Barium | 1.73 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 9/14/2004 0:00 | 091404SK100ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 9/14/2004 0:00 | 091404SK100ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 9/14/2004 0:00 | 091404SK100ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 9/14/2004 0:00 | 091404SK100ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 9/14/2004 0:00 | 091404SK100ASW001 | Boron | 6.8 | UG/L | J | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 9/14/2004 0:00 | 091404SK100ASW001 | Boron | 3.5 | UG/L | J | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 9/14/2004 0:00 | 091404SK100ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 9/14/2004 0:00 | 091404SK100ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 9/14/2004 0:00 | 091404SK100ASW001 | Calcium | 4320 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 9/14/2004 0:00 | 091404SK100ASW001 | Calcium | 4320 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 9/14/2004 0:00 | 091404SK100ASW001 | Chloride | 1 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 9/14/2004 0:00 | 091404SK100ASW001 | Chromium | 0.3 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 9/14/2004 0:00 | 091404SK100ASW001 | Chromium | 0.316 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 9/14/2004 0:00 | 091404SK100ASW001 | Cobalt | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 9/14/2004 0:00 | 091404SK100ASW001 | Cobalt | 0.566 | UG/L | J,BQ1 | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100A | 9/14/2004 0:00 | 091404SK100ASW001 | Copper | 0.361 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 9/14/2004 0:00 | 091404SK100ASW001 | Copper | 0.245 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 9/14/2004 0:00 | 091404SK100ASW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 9/14/2004 0:00 | 091404SK100ASW001 | Cyanide, Weak Acid Dissociable | 0.003 | MG/L | J | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 9/14/2004 0:00 | 091404SK100ASW001 | Fluoride | 0.037 | MG/L | BQ,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 9/14/2004 0:00 | 091404SK100ASW001 | Hardness as CaCO3 | 14.7 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 9/14/2004 0:00 | 091404SK100ASW001 | Hardness as CaCO3 | 14.6 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 9/14/2004 0:00 | 091404SK100ASW001 | Iron | 7.59 | UG/L | J | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 9/14/2004 0:00 | 091404SK100ASW001 | Iron | 22.5 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 9/14/2004 0:00 | 091404SK100ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 9/14/2004 0:00 | 091404SK100ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 9/14/2004 0:00 | 091404SK100ASW001 | Magnesium | 941 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 9/14/2004 0:00 | 091404SK100ASW001 | Magnesium | 939 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 9/14/2004 0:00 | 091404SK100ASW001 | Manganese | 2.52 | UG/L | BQ1 | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 9/14/2004 0:00 | 091404SK100ASW001 | Manganese | 2.69 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 9/14/2004 0:00 | 091404SK100ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 9/14/2004 0:00 | 091404SK100ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 9/14/2004 0:00 | 091404SK100ASW001 | Nickel | 0.176 | UG/L | BQ1,J | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 9/14/2004 0:00 | 091404SK100ASW001 | Nickel | 0.359 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 9/14/2004 0:00 | 091404SK100ASW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 9/14/2004 0:00 | 091404SK100ASW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 9/14/2004 0:00 | 091404SK100ASW001 | pH | 6.86 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 9/14/2004 0:00 | 091404SK100ASW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 9/14/2004 0:00 | 091404SK100ASW001 | Potassium | 304 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 9/14/2004 0:00 | 091404SK100ASW001 | Potassium | 304 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 9/14/2004 0:00 | 091404SK100ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 9/14/2004 0:00 | 091404SK100ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 9/14/2004 0:00 | 091404SK100ASW001 | Silicon | 5360 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 9/14/2004 0:00 | 091404SK100ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 9/14/2004 0:00 | 091404SK100ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 9/14/2004 0:00 | 091404SK100ASW001 | Sodium | 1970 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 9/14/2004 0:00 | 091404SK100ASW001 | Sodium | 1980 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100A | 9/14/2004 0:00 | 091404SK100ASW001 | Specific Conductance | 46 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 9/14/2004 0:00 | 091404SK100ASW001 | Sulfate | 3.4 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 9/14/2004 0:00 | 091404SK100ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 9/14/2004 0:00 | 091404SK100ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 9/14/2004 0:00 | 091404SK100ASW001 | Thiocyanate | 0.2 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 9/14/2004 0:00 | 091404SK100ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 9/14/2004 0:00 | 091404SK100ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 9/14/2004 0:00 | 091404SK100ASW001 | Total Dissolved Solids | 46.3 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 9/14/2004 0:00 | 091404SK100ASW001 | Total Suspended Solids | 0.8 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 9/14/2004 0:00 | 091404SK100ASW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 9/14/2004 0:00 | 091404SK100ASW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 9/14/2004 0:00 | 091404SK100ASW001 | Zinc | 2.7 | UG/L | BQ1 | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 9/14/2004 0:00 | 091404SK100ASW001 | Zinc | 2.11 | UG/L | BQ1 | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | 1,1,1,2-Tetrachloroethane | 0 | UG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | 1,1,1-Trichloroethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | 1,1,2,2-Tetrachloroethane | 0 | UG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | 1,1,2-Trichloroethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | 1,1-Dichloroethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | 1,1-Dichloroethene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | 1,1-Dichloropropene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | 1,2,3-Trichlorobenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | 1,2,3-Trichloropropane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | 1,2,4-Trichlorobenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | 1,2,4-Trichlorobenzene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | 1,2,4-Trimethylbenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | 1,2-Dibromo-3-chloropropane | 0 | UG/L | | 2 | 0.62 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | 1,2-Dibromoethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | 1,2-Dichlorobenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | 1,2-Dichlorobenzene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | 1,2-Dichloroethane | 0 | UG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | 1,2-Dichloropropane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | 1,3,5-Trimethylbenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | 1,3-Dichlorobenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | 1,3-Dichlorobenzene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | 1,3-Dichloropropane | 0 | UG/L | | 0.4 | 0.12 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | 1,4-Dichlorobenzene | 0 | UG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | 1,4-Dichlorobenzene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | 1-Chlorohexane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | 2,2-Dichloropropane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | 2,4,5-Trichlorophenol | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | 2,4,6-Trichlorophenol | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | 2,4-Dichlorophenol | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | 2,4-Dimethylphenol | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | 2,4-Dinitrophenol | 0 | UG/L | | 70 | 21 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | 2,4-Dinitrotoluene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | 2,6-Dinitrotoluene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | 2-Butanone | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | 2-Chloroethyl vinyl ether | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | 2-Chloronaphthalene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | 2-Chlorophenol | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | 2-Chlorotoluene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | 2-Hexanone | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | 2-Methyl-4,6-dinitrophenol | 0 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | 2-Methylnaphthalene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | 2-Methylphenol (o-Cresol) | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | 2-Nitroaniline | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | 2-Nitrophenol | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | 3,3'-Dichlorobenzidine | 0 | UG/L | J | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | 3-Methylphenol/4-Methylphenol Coelution | 0 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | 3-Nitroaniline | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | 4,4'-DDD | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | 4,4'-DDE | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | 4,4'-DDT | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | 4-Bromophenyl phenyl ether | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | 4-Chloro-3-methylphenol | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | 4-Chloroaniline | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | 4-Chlorophenyl phenyl ether | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | 4-Chlorotoluene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | 4-Isopropyltoluene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | 4-Methyl-2-pentanone | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | 4-Nitroaniline | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | 4-Nitrophenol | 0 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Acenaphthene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Acenaphthylene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Acetone | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Acrylonitrile | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Aldrin | 0 | UG/L | | 0.05 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Alkalinity, Total | 13.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | alpha-BHC | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | alpha-Chlordane | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Aluminum | 14.9 | UG/L | BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Aluminum | 28.2 | UG/L | BQ1 | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Aniline | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Anthracene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Azobenzene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Barium | 1.76 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Barium | 1.84 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Benzene | 0 | UG/L | | 0.4 | 0.12 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Benzo(a)anthracene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Benzo(a)pyrene | 0 | UG/L | J | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Benzo(b)fluoranthene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Benzo(g,h,i)perylene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Benzo(k)fluoranthene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Benzoic acid | 0 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Benzyl alcohol | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Benzyl butyl phthalate | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | beta-BHC | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | bis-(2-Chloroethoxy)methane | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | bis-(2-Chloroethyl)ether | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | bis(2-Chloroisopropyl)ether | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | bis-(2-Ethylhexyl)phthalate | 0 | UG/L | J | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Bromobenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Bromochloromethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Bromodichloromethane | 0 | UG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Bromoform | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Bromomethane | 0 | UG/L | | 3 | 0.94 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Calcium | 3930 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Calcium | 3930 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Carbon disulfide | 0 | UG/L | | 2 | 0.62 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Carbon tetrachloride | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Chloride | 1.13 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Chlorobenzene | 0 | UG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Chloroethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Chloroform | 0 | UG/L | | 1 | 0.3 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Chloromethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Chromium | 0.186 | UG/L | BQ1,J | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Chromium | 0.191 | UG/L | J | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Chrysene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | cis-1,2-Dichloroethene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | cis-1,3-Dichloropropene | 0 | UG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Cobalt | 0.758 | UG/L | BQ1,J | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Cobalt | 0 | UG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Copper | 0.408 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Copper | 0.505 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Cyanide, Weak Acid Dissociable | 0.0038 | MG/L | J | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | delta-BHC | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Dibenzo(a,h)anthracene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Dibenzofuran | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Dibromochloromethane | 0 | UG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Dibromomethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Dichlorodifluoromethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Dieldrin | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Diethyl phthalate | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Dimethyl phthalate | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Di-n-butyl phthalate | 0 | UG/L | J | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Di-n-octyl phthalate | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Endosulfan I | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Endosulfan II | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Endosulfan sulfate | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Endrin | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Endrin aldehyde | 0 | UG/L | | 0.05 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Endrin ketone | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Ethylbenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Fluoranthene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Fluorene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Fluoride | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | gamma-BHC (Lindane) | 0 | UG/L | | 0.03 | 0.01 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | gamma-Chlordane | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Hardness as CaCO3 | 13.1 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Heptachlor | 0 | UG/L | | 0.1 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Heptachlor epoxide | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Hexachlorobenzene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Hexachlorobutadiene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Hexachlorobutadiene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Hexachlorocyclopentadiene | 0 | UG/L | | 30 | 9.4 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Hexachloroethane | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Indeno(1,2,3-cd)pyrene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Iron | 24.8 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Iron | 51.1 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Isophorone | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Isopropylbenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Lead | 0.131 | UG/L | J | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Magnesium | 806 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Magnesium | 802 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Manganese | 3.82 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Manganese | 3.62 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Methoxychlor | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Methyl iodide | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Methylene chloride | 0 | UG/L | | 5 | 1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Methyl-tert-butyl ether (MTBE) | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Naphthalene | 0 | UG/L | | 2 | 0.62 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Naphthalene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | n-Butylbenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Nickel | 0.4 | UG/L | J | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Nickel | 0.151 | UG/L | J | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Nitrobenzene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Nitrogen, Nitrate-Nitrite | 0.79 | MG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | n-Nitrosodimethylamine | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | n-Nitrosodi-n-propylamine | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | n-Nitrosodiphenylamine | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | n-Propylbenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | o-Xylene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Pentachlorophenol | 0 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | pH | 6.99 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Phenanthrene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Phenol | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Potassium | 234 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Potassium | 234 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Pyrene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | sec-Butylbenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Silicon | 4460 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Sodium | 1770 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Sodium | 1740 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Specific Conductance | 42 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Styrene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Sulfate | 4.33 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | tert-Butylbenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Tetrachloroethene (PCE) | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Thiocyanate | 0 | MG/L | | 1 | 0.059 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Toluene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Total Dissolved Solids | 37.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Total Suspended Solids | 0.6 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Toxaphene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | trans-1,2-Dichloroethene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | trans-1,3-Dichloropropene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | trans-1,4-Dichloro-2-butene | 0 | UG/L | | 2 | 0.62 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Trichloroethene (TCE) | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Trichlorofluoromethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Vinyl acetate | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Vinyl chloride | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Xylene, Isomers m & p | 0 | UG/L | | 2 | 0.62 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Zinc | 1.88 | UG/L | BQ1 | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100A | 10/17/2004 0:00 | 101704SK100ASW001 | Zinc | 1.8 | UG/L | BQ1 | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 8/15/2004 0:00 | 081504SK100BSW001 | Alkalinity, Total | 15.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 8/23/2004 0:00 | 082304SK100BSW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 8/23/2004 0:00 | 082304SK100BSW001 | Alkalinity, Total | 17.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 8/23/2004 0:00 | 082304SK100BSW001 | Aluminum | 15.6 | UG/L | BQ,BQ1,J | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 8/23/2004 0:00 | 082304SK100BSW001 | Aluminum | 14.1 | UG/L | BQ,BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 8/23/2004 0:00 | 082304SK100BSW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 8/23/2004 0:00 | 082304SK100BSW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 8/23/2004 0:00 | 082304SK100BSW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 8/23/2004 0:00 | 082304SK100BSW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 8/23/2004 0:00 | 082304SK100BSW001 | Barium | 1.88 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 8/23/2004 0:00 | 082304SK100BSW001 | Barium | 1.76 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 8/23/2004 0:00 | 082304SK100BSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 8/23/2004 0:00 | 082304SK100BSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 8/23/2004 0:00 | 082304SK100BSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100B | 8/23/2004 0:00 | 082304SK100BSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 8/23/2004 0:00 | 082304SK100BSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 8/23/2004 0:00 | 082304SK100BSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 8/23/2004 0:00 | 082304SK100BSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 8/23/2004 0:00 | 082304SK100BSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 8/23/2004 0:00 | 082304SK100BSW001 | Calcium | 5480 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 8/23/2004 0:00 | 082304SK100BSW001 | Calcium | 5220 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 8/23/2004 0:00 | 082304SK100BSW001 | Chloride | 0.779 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 8/23/2004 0:00 | 082304SK100BSW001 | Chromium | 0.135 | UG/L | BQ1,J | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 8/23/2004 0:00 | 082304SK100BSW001 | Chromium | 0.162 | UG/L | BQ1,J | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 8/23/2004 0:00 | 082304SK100BSW001 | Cobalt | 0.0357 | UG/L | BQ1,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 8/23/2004 0:00 | 082304SK100BSW001 | Cobalt | 0.434 | UG/L | BQ1 | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 8/23/2004 0:00 | 082304SK100BSW001 | Copper | 0.406 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 8/23/2004 0:00 | 082304SK100BSW001 | Copper | 0.605 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 8/23/2004 0:00 | 082304SK100BSW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 8/23/2004 0:00 | 082304SK100BSW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 8/23/2004 0:00 | 082304SK100BSW001 | Fluoride | 0.092 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 8/23/2004 0:00 | 082304SK100BSW001 | Hardness as CaCO3 | 17.9 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 8/23/2004 0:00 | 082304SK100BSW001 | Hardness as CaCO3 | 16.7 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 8/23/2004 0:00 | 082304SK100BSW001 | Iron | 46.9 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 8/23/2004 0:00 | 082304SK100BSW001 | Iron | 18.9 | UG/L | BQ1,J | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 8/23/2004 0:00 | 082304SK100BSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 8/23/2004 0:00 | 082304SK100BSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 8/23/2004 0:00 | 082304SK100BSW001 | Magnesium | 1020 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 8/23/2004 0:00 | 082304SK100BSW001 | Magnesium | 895 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 8/23/2004 0:00 | 082304SK100BSW001 | Manganese | 4.87 | UG/L | BQ1 | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 8/23/2004 0:00 | 082304SK100BSW001 | Manganese | 4.6 | UG/L | BQ1 | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 8/23/2004 0:00 | 082304SK100BSW001 | Molybdenum | 0.462 | UG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 8/23/2004 0:00 | 082304SK100BSW001 | Molybdenum | 0.41 | UG/L | J | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 8/23/2004 0:00 | 082304SK100BSW001 | Nickel | 0.136 | UG/L | J | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 8/23/2004 0:00 | 082304SK100BSW001 | Nickel | 0.306 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 8/23/2004 0:00 | 082304SK100BSW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |

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Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100B | 8/23/2004 0:00 | 082304SK100BSW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 8/23/2004 0:00 | 082304SK100BSW001 | pH | 7.3 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 8/23/2004 0:00 | 082304SK100BSW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 8/23/2004 0:00 | 082304SK100BSW001 | Potassium | 295 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 8/23/2004 0:00 | 082304SK100BSW001 | Potassium | 277 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 8/23/2004 0:00 | 082304SK100BSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 8/23/2004 0:00 | 082304SK100BSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 8/23/2004 0:00 | 082304SK100BSW001 | Silicon | 5130 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 8/23/2004 0:00 | 082304SK100BSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 8/23/2004 0:00 | 082304SK100BSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 8/23/2004 0:00 | 082304SK100BSW001 | Sodium | 1940 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 8/23/2004 0:00 | 082304SK100BSW001 | Sodium | 1840 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 8/23/2004 0:00 | 082304SK100BSW001 | Specific Conductance | 60 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 8/23/2004 0:00 | 082304SK100BSW001 | Sulfate | 5.55 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 8/23/2004 0:00 | 082304SK100BSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 8/23/2004 0:00 | 082304SK100BSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 8/23/2004 0:00 | 082304SK100BSW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 8/23/2004 0:00 | 082304SK100BSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 8/23/2004 0:00 | 082304SK100BSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 8/23/2004 0:00 | 082304SK100BSW001 | Total Dissolved Solids | 40 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 8/23/2004 0:00 | 082304SK100BSW001 | Total Suspended Solids | 1.44 | MG/L | | 0.513 | 0.154 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 8/23/2004 0:00 | 082304SK100BSW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 8/23/2004 0:00 | 082304SK100BSW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 8/23/2004 0:00 | 082304SK100BSW001 | Zinc | 1.22 | UG/L | BQ1,J | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 8/23/2004 0:00 | 082304SK100BSW001 | Zinc | 1.49 | UG/L | BQ1,J | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 9/13/2004 0:00 | 091304SK100BSW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 9/13/2004 0:00 | 091304SK100BSW001 | Alkalinity, Total | 20 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 9/13/2004 0:00 | 091304SK100BSW001 | Aluminum | 16.5 | UG/L | BQ1,J | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 9/13/2004 0:00 | 091304SK100BSW001 | Aluminum | 14.3 | UG/L | BQ,BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 9/13/2004 0:00 | 091304SK100BSW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 9/13/2004 0:00 | 091304SK100BSW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 9/13/2004 0:00 | 091304SK100BSW001 | Arsenic | 0.263 | UG/L | J | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100B | 9/13/2004 0:00 | 091304SK100BSW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 9/13/2004 0:00 | 091304SK100BSW001 | Barium | 1.86 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 9/13/2004 0:00 | 091304SK100BSW001 | Barium | 1.88 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 9/13/2004 0:00 | 091304SK100BSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 9/13/2004 0:00 | 091304SK100BSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 9/13/2004 0:00 | 091304SK100BSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 9/13/2004 0:00 | 091304SK100BSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 9/13/2004 0:00 | 091304SK100BSW001 | Boron | 4 | UG/L | J | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 9/13/2004 0:00 | 091304SK100BSW001 | Boron | 4.1 | UG/L | J | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 9/13/2004 0:00 | 091304SK100BSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 9/13/2004 0:00 | 091304SK100BSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 9/13/2004 0:00 | 091304SK100BSW001 | Calcium | 5810 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 9/13/2004 0:00 | 091304SK100BSW001 | Calcium | 5320 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 9/13/2004 0:00 | 091304SK100BSW001 | Chloride | 0.844 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 9/13/2004 0:00 | 091304SK100BSW001 | Chromium | 0.124 | UG/L | J | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 9/13/2004 0:00 | 091304SK100BSW001 | Chromium | 0.157 | UG/L | J | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 9/13/2004 0:00 | 091304SK100BSW001 | Cobalt | 0.0423 | UG/L | BQ1,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 9/13/2004 0:00 | 091304SK100BSW001 | Cobalt | 0.705 | UG/L | J,BQ1 | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 9/13/2004 0:00 | 091304SK100BSW001 | Copper | 0.24 | UG/L | J,BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 9/13/2004 0:00 | 091304SK100BSW001 | Copper | 0.442 | UG/L | J,BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 9/13/2004 0:00 | 091304SK100BSW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 9/13/2004 0:00 | 091304SK100BSW001 | Cyanide, Weak Acid Dissociable | 0.0027 | MG/L | J | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 9/13/2004 0:00 | 091304SK100BSW001 | Fluoride | 0.046 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 9/13/2004 0:00 | 091304SK100BSW001 | Hardness as CaCO3 | 18.8 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 9/13/2004 0:00 | 091304SK100BSW001 | Hardness as CaCO3 | 17.7 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 9/13/2004 0:00 | 091304SK100BSW001 | Iron | 84.1 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 9/13/2004 0:00 | 091304SK100BSW001 | Iron | 68.4 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 9/13/2004 0:00 | 091304SK100BSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 9/13/2004 0:00 | 091304SK100BSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 9/13/2004 0:00 | 091304SK100BSW001 | Magnesium | 1030 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 9/13/2004 0:00 | 091304SK100BSW001 | Magnesium | 1060 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 9/13/2004 0:00 | 091304SK100BSW001 | Manganese | 5.8 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100B | 9/13/2004 0:00 | 091304SK100BSW001 | Manganese | 5.76 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 9/13/2004 0:00 | 091304SK100BSW001 | Molybdenum | 0.429 | UG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 9/13/2004 0:00 | 091304SK100BSW001 | Molybdenum | 0.408 | UG/L | J | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 9/13/2004 0:00 | 091304SK100BSW001 | Nickel | 0.09 | UG/L | BQ1,J | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 9/13/2004 0:00 | 091304SK100BSW001 | Nickel | 0.488 | UG/L | J,BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 9/13/2004 0:00 | 091304SK100BSW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 9/13/2004 0:00 | 091304SK100BSW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 9/13/2004 0:00 | 091304SK100BSW001 | pH | 7.61 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 9/13/2004 0:00 | 091304SK100BSW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 9/13/2004 0:00 | 091304SK100BSW001 | Potassium | 295 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 9/13/2004 0:00 | 091304SK100BSW001 | Potassium | 313 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 9/13/2004 0:00 | 091304SK100BSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 9/13/2004 0:00 | 091304SK100BSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 9/13/2004 0:00 | 091304SK100BSW001 | Silicon | 5270 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 9/13/2004 0:00 | 091304SK100BSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 9/13/2004 0:00 | 091304SK100BSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 9/13/2004 0:00 | 091304SK100BSW001 | Sodium | 1900 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 9/13/2004 0:00 | 091304SK100BSW001 | Sodium | 2030 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 9/13/2004 0:00 | 091304SK100BSW001 | Specific Conductance | 60 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 9/13/2004 0:00 | 091304SK100BSW001 | Sulfate | 5.69 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 9/13/2004 0:00 | 091304SK100BSW001 | Thallium | 0.0303 | UG/L | J | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 9/13/2004 0:00 | 091304SK100BSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 9/13/2004 0:00 | 091304SK100BSW001 | Thiocyanate | 0.24 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 9/13/2004 0:00 | 091304SK100BSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 9/13/2004 0:00 | 091304SK100BSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 9/13/2004 0:00 | 091304SK100BSW001 | Total Dissolved Solids | 48.8 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 9/13/2004 0:00 | 091304SK100BSW001 | Total Suspended Solids | 1 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 9/13/2004 0:00 | 091304SK100BSW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 9/13/2004 0:00 | 091304SK100BSW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 9/13/2004 0:00 | 091304SK100BSW001 | Zinc | 2.01 | UG/L | BQ1 | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 9/13/2004 0:00 | 091304SK100BSW001 | Zinc | 1.07 | UG/L | BQ1,J | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 10/15/2004 0:00 | 101504SK100BSW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |

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Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100B | 10/15/2004 0:00 | 101504SK100BSW001 | Alkalinity, Total | 14 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 10/15/2004 0:00 | 101504SK100BSW001 | Aluminum | 13.3 | UG/L | BQ,BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 10/15/2004 0:00 | 101504SK100BSW001 | Aluminum | 33 | UG/L | BQ1 | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 10/15/2004 0:00 | 101504SK100BSW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 10/15/2004 0:00 | 101504SK100BSW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 10/15/2004 0:00 | 101504SK100BSW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 10/15/2004 0:00 | 101504SK100BSW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 10/15/2004 0:00 | 101504SK100BSW001 | Barium | 2.08 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 10/15/2004 0:00 | 101504SK100BSW001 | Barium | 2.35 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 10/15/2004 0:00 | 101504SK100BSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 10/15/2004 0:00 | 101504SK100BSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 10/15/2004 0:00 | 101504SK100BSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 10/15/2004 0:00 | 101504SK100BSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 10/15/2004 0:00 | 101504SK100BSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 10/15/2004 0:00 | 101504SK100BSW001 | Boron | 3.4 | UG/L | J | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 10/15/2004 0:00 | 101504SK100BSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 10/15/2004 0:00 | 101504SK100BSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 10/15/2004 0:00 | 101504SK100BSW001 | Calcium | 4270 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 10/15/2004 0:00 | 101504SK100BSW001 | Calcium | 5040 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 10/15/2004 0:00 | 101504SK100BSW001 | Chloride | 1.12 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 10/15/2004 0:00 | 101504SK100BSW001 | Chromium | 0.158 | UG/L | BQ1,J | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 10/15/2004 0:00 | 101504SK100BSW001 | Chromium | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 10/15/2004 0:00 | 101504SK100BSW001 | Cobalt | 0.726 | UG/L | BQ1 | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 10/15/2004 0:00 | 101504SK100BSW001 | Cobalt | 0.0375 | UG/L | BQ1,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 10/15/2004 0:00 | 101504SK100BSW001 | Copper | 0.557 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 10/15/2004 0:00 | 101504SK100BSW001 | Copper | 0.703 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 10/15/2004 0:00 | 101504SK100BSW001 | Cyanide | 0.005 | MG/L | BQ | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 10/15/2004 0:00 | 101504SK100BSW001 | Cyanide, Weak Acid Dissociable | 0.0026 | MG/L | BQ,J | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 10/15/2004 0:00 | 101504SK100BSW001 | Fluoride | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 10/15/2004 0:00 | 101504SK100BSW001 | Hardness as CaCO3 | 16 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 10/15/2004 0:00 | 101504SK100BSW001 | Iron | 37.4 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 10/15/2004 0:00 | 101504SK100BSW001 | Iron | 86.7 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |

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Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100B | 10/15/2004 0:00 | 101504SK100BSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 10/15/2004 0:00 | 101504SK100BSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 10/15/2004 0:00 | 101504SK100BSW001 | Magnesium | 793 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 10/15/2004 0:00 | 101504SK100BSW001 | Magnesium | 823 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 10/15/2004 0:00 | 101504SK100BSW001 | Manganese | 6.23 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 10/15/2004 0:00 | 101504SK100BSW001 | Manganese | 6.27 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 10/15/2004 0:00 | 101504SK100BSW001 | Molybdenum | 0.337 | UG/L | J | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 10/15/2004 0:00 | 101504SK100BSW001 | Molybdenum | 0.366 | UG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 10/15/2004 0:00 | 101504SK100BSW001 | Nickel | 0.401 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 10/15/2004 0:00 | 101504SK100BSW001 | Nickel | 0.153 | UG/L | J | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 10/15/2004 0:00 | 101504SK100BSW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 10/15/2004 0:00 | 101504SK100BSW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 10/15/2004 0:00 | 101504SK100BSW001 | pH | 7.04 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 10/15/2004 0:00 | 101504SK100BSW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 10/15/2004 0:00 | 101504SK100BSW001 | Potassium | 230 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 10/15/2004 0:00 | 101504SK100BSW001 | Potassium | 274 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 10/15/2004 0:00 | 101504SK100BSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 10/15/2004 0:00 | 101504SK100BSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 10/15/2004 0:00 | 101504SK100BSW001 | Silicon | 4360 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 10/15/2004 0:00 | 101504SK100BSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 10/15/2004 0:00 | 101504SK100BSW001 | Silver | 0.0078 | UG/L | J | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 10/15/2004 0:00 | 101504SK100BSW001 | Sodium | 1890 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 10/15/2004 0:00 | 101504SK100BSW001 | Sodium | 1750 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 10/15/2004 0:00 | 101504SK100BSW001 | Specific Conductance | 44 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 10/15/2004 0:00 | 101504SK100BSW001 | Sulfate | 5.46 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 10/15/2004 0:00 | 101504SK100BSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 10/15/2004 0:00 | 101504SK100BSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 10/15/2004 0:00 | 101504SK100BSW001 | Thiocyanate | 0 | MG/L | | 1 | 0.059 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 10/15/2004 0:00 | 101504SK100BSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 10/15/2004 0:00 | 101504SK100BSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 10/15/2004 0:00 | 101504SK100BSW001 | Total Dissolved Solids | 12.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 10/15/2004 0:00 | 101504SK100BSW001 | Total Suspended Solids | 0.7 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100B | 10/15/2004 0:00 | 101504SK100BSW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100B | 10/15/2004 0:00 | 101504SK100BSW001 | Vanadium | 0.341 | UG/L | J | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 10/15/2004 0:00 | 101504SK100BSW001 | Zinc | 1.83 | UG/L | BQ1 | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100B | 10/15/2004 0:00 | 101504SK100BSW001 | Zinc | 2.05 | UG/L | | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 10/16/2004 0:00 | 101604SK100CSW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 10/16/2004 0:00 | 101604SK100CSW001 | Alkalinity, Total | 12 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 10/16/2004 0:00 | 101604SK100CSW001 | Aluminum | 17.8 | UG/L | BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 10/16/2004 0:00 | 101604SK100CSW001 | Aluminum | 51.5 | UG/L | BQ1 | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 10/16/2004 0:00 | 101604SK100CSW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 10/16/2004 0:00 | 101604SK100CSW001 | Antimony | 0.0791 | UG/L | J | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 10/16/2004 0:00 | 101604SK100CSW001 | Arsenic | 0.32 | UG/L | J | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 10/16/2004 0:00 | 101604SK100CSW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 10/16/2004 0:00 | 101604SK100CSW001 | Barium | 3.19 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 10/16/2004 0:00 | 101604SK100CSW001 | Barium | 2.98 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 10/16/2004 0:00 | 101604SK100CSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 10/16/2004 0:00 | 101604SK100CSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 10/16/2004 0:00 | 101604SK100CSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 10/16/2004 0:00 | 101604SK100CSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 10/16/2004 0:00 | 101604SK100CSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 10/16/2004 0:00 | 101604SK100CSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 10/16/2004 0:00 | 101604SK100CSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 10/16/2004 0:00 | 101604SK100CSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 10/16/2004 0:00 | 101604SK100CSW001 | Calcium | 4620 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 10/16/2004 0:00 | 101604SK100CSW001 | Calcium | 5000 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 10/16/2004 0:00 | 101604SK100CSW001 | Chloride | 1.03 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 10/16/2004 0:00 | 101604SK100CSW001 | Chromium | 0.228 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 10/16/2004 0:00 | 101604SK100CSW001 | Chromium | 0.178 | UG/L | BQ1,J | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 10/16/2004 0:00 | 101604SK100CSW001 | Cobalt | 0.0724 | UG/L | BQ1,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 10/16/2004 0:00 | 101604SK100CSW001 | Cobalt | 0.949 | UG/L | BQ1 | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 10/16/2004 0:00 | 101604SK100CSW001 | Copper | 2.14 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 10/16/2004 0:00 | 101604SK100CSW001 | Copper | 1.57 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 10/16/2004 0:00 | 101604SK100CSW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100C | 10/16/2004 0:00 | 101604SK100CSW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 10/16/2004 0:00 | 101604SK100CSW001 | Fluoride | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 10/16/2004 0:00 | 101604SK100CSW001 | Hardness as CaCO3 | 15.3 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 10/16/2004 0:00 | 101604SK100CSW001 | Iron | 203 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 10/16/2004 0:00 | 101604SK100CSW001 | Iron | 114 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 10/16/2004 0:00 | 101604SK100CSW001 | Lead | 0.153 | UG/L | J | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 10/16/2004 0:00 | 101604SK100CSW001 | Lead | 0.207 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 10/16/2004 0:00 | 101604SK100CSW001 | Magnesium | 909 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 10/16/2004 0:00 | 101604SK100CSW001 | Magnesium | 923 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 10/16/2004 0:00 | 101604SK100CSW001 | Manganese | 17.4 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 10/16/2004 0:00 | 101604SK100CSW001 | Manganese | 17 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 10/16/2004 0:00 | 101604SK100CSW001 | Molybdenum | 0.461 | UG/L | J | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 10/16/2004 0:00 | 101604SK100CSW001 | Molybdenum | 0.441 | UG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 10/16/2004 0:00 | 101604SK100CSW001 | Nickel | 0.249 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 10/16/2004 0:00 | 101604SK100CSW001 | Nickel | 0.582 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 10/16/2004 0:00 | 101604SK100CSW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 10/16/2004 0:00 | 101604SK100CSW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 10/16/2004 0:00 | 101604SK100CSW001 | pH | 7.04 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 10/16/2004 0:00 | 101604SK100CSW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 10/16/2004 0:00 | 101604SK100CSW001 | Potassium | 290 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 10/16/2004 0:00 | 101604SK100CSW001 | Potassium | 303 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 10/16/2004 0:00 | 101604SK100CSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 10/16/2004 0:00 | 101604SK100CSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 10/16/2004 0:00 | 101604SK100CSW001 | Silicon | 3780 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 10/16/2004 0:00 | 101604SK100CSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 10/16/2004 0:00 | 101604SK100CSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 10/16/2004 0:00 | 101604SK100CSW001 | Sodium | 1710 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 10/16/2004 0:00 | 101604SK100CSW001 | Sodium | 1770 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 10/16/2004 0:00 | 101604SK100CSW001 | Specific Conductance | 55 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 10/16/2004 0:00 | 101604SK100CSW001 | Sulfate | 7.8 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 10/16/2004 0:00 | 101604SK100CSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 10/16/2004 0:00 | 101604SK100CSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100C | 10/16/2004 0:00 | 101604SK100CSW001 | Thiocyanate | 0.17 | MG/L | J | 1 | 0.059 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 10/16/2004 0:00 | 101604SK100CSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 10/16/2004 0:00 | 101604SK100CSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 10/16/2004 0:00 | 101604SK100CSW001 | Total Dissolved Solids | 17.5 | MG/L | BQ | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 10/16/2004 0:00 | 101604SK100CSW001 | Total Suspended Solids | 1.4 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 10/16/2004 0:00 | 101604SK100CSW001 | Vanadium | 0.403 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 10/16/2004 0:00 | 101604SK100CSW001 | Vanadium | 0.396 | UG/L | J | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100C | 10/16/2004 0:00 | 101604SK100CSW001 | Zinc | 3.4 | UG/L | BQ1 | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100C | 10/16/2004 0:00 | 101604SK100CSW001 | Zinc | 3.68 | UG/L | BQ1 | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 8/23/2004 0:00 | 082304SK100DSW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 8/23/2004 0:00 | 082304SK100DSW001 | Alkalinity, Total | 25 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 8/23/2004 0:00 | 082304SK100DSW001 | Aluminum | 20.3 | UG/L | BQ,BQ1,J | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 8/23/2004 0:00 | 082304SK100DSW001 | Aluminum | 19.2 | UG/L | BQ,BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 8/23/2004 0:00 | 082304SK100DSW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 8/23/2004 0:00 | 082304SK100DSW001 | Antimony | 0.13 | UG/L | BQ1,J | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 8/23/2004 0:00 | 082304SK100DSW001 | Arsenic | 0.56 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 8/23/2004 0:00 | 082304SK100DSW001 | Arsenic | 0.418 | UG/L | J | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 8/23/2004 0:00 | 082304SK100DSW001 | Barium | 2.93 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 8/23/2004 0:00 | 082304SK100DSW001 | Barium | 2.61 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 8/23/2004 0:00 | 082304SK100DSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 8/23/2004 0:00 | 082304SK100DSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 8/23/2004 0:00 | 082304SK100DSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 8/23/2004 0:00 | 082304SK100DSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 8/23/2004 0:00 | 082304SK100DSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 8/23/2004 0:00 | 082304SK100DSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 8/23/2004 0:00 | 082304SK100DSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 8/23/2004 0:00 | 082304SK100DSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 8/23/2004 0:00 | 082304SK100DSW001 | Calcium | 6390 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 8/23/2004 0:00 | 082304SK100DSW001 | Calcium | 6080 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 8/23/2004 0:00 | 082304SK100DSW001 | Chloride | 0.562 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 8/23/2004 0:00 | 082304SK100DSW001 | Chromium | 0.15 | UG/L | BQ1,J | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 8/23/2004 0:00 | 082304SK100DSW001 | Chromium | 0.137 | UG/L | BQ1,J | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |

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Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100D | 8/23/2004 0:00 | 082304SK100DSW001 | Cobalt | 0.0519 | UG/L | BQ1,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 8/23/2004 0:00 | 082304SK100DSW001 | Cobalt | 2.73 | UG/L | BQ1 | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 8/23/2004 0:00 | 082304SK100DSW001 | Copper | 1.5 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 8/23/2004 0:00 | 082304SK100DSW001 | Copper | 1.32 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 8/23/2004 0:00 | 082304SK100DSW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 8/23/2004 0:00 | 082304SK100DSW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 8/23/2004 0:00 | 082304SK100DSW001 | Fluoride | 0.056 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 8/23/2004 0:00 | 082304SK100DSW001 | Hardness as CaCO3 | 22.5 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 8/23/2004 0:00 | 082304SK100DSW001 | Hardness as CaCO3 | 21.6 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 8/23/2004 0:00 | 082304SK100DSW001 | Iron | 302 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 8/23/2004 0:00 | 082304SK100DSW001 | Iron | 232 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 8/23/2004 0:00 | 082304SK100DSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 8/23/2004 0:00 | 082304SK100DSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 8/23/2004 0:00 | 082304SK100DSW001 | Magnesium | 1590 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 8/23/2004 0:00 | 082304SK100DSW001 | Magnesium | 1570 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 8/23/2004 0:00 | 082304SK100DSW001 | Manganese | 6.24 | UG/L | BQ1 | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 8/23/2004 0:00 | 082304SK100DSW001 | Manganese | 7.24 | UG/L | BQ1 | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 8/23/2004 0:00 | 082304SK100DSW001 | Molybdenum | 0.987 | UG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 8/23/2004 0:00 | 082304SK100DSW001 | Molybdenum | 0.926 | UG/L | J | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 8/23/2004 0:00 | 082304SK100DSW001 | Nickel | 0.314 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 8/23/2004 0:00 | 082304SK100DSW001 | Nickel | 0.44 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 8/23/2004 0:00 | 082304SK100DSW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 8/23/2004 0:00 | 082304SK100DSW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 8/23/2004 0:00 | 082304SK100DSW001 | pH | 7.3 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 8/23/2004 0:00 | 082304SK100DSW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 8/23/2004 0:00 | 082304SK100DSW001 | Potassium | 266 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 8/23/2004 0:00 | 082304SK100DSW001 | Potassium | 266 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 8/23/2004 0:00 | 082304SK100DSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 8/23/2004 0:00 | 082304SK100DSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 8/23/2004 0:00 | 082304SK100DSW001 | Silicon | 1950 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 8/23/2004 0:00 | 082304SK100DSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 8/23/2004 0:00 | 082304SK100DSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100D | 8/23/2004 0:00 | 082304SK100DSW001 | Sodium | 2700 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 8/23/2004 0:00 | 082304SK100DSW001 | Sodium | 2580 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 8/23/2004 0:00 | 082304SK100DSW001 | Specific Conductance | 70 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 8/23/2004 0:00 | 082304SK100DSW001 | Sulfate | 5.28 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 8/23/2004 0:00 | 082304SK100DSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 8/23/2004 0:00 | 082304SK100DSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 8/23/2004 0:00 | 082304SK100DSW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 8/23/2004 0:00 | 082304SK100DSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 8/23/2004 0:00 | 082304SK100DSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 8/23/2004 0:00 | 082304SK100DSW001 | Total Dissolved Solids | 36.3 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 8/23/2004 0:00 | 082304SK100DSW001 | Total Suspended Solids | 0.5 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 8/23/2004 0:00 | 082304SK100DSW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 8/23/2004 0:00 | 082304SK100DSW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 8/23/2004 0:00 | 082304SK100DSW001 | Zinc | 0 | UG/L | | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 8/23/2004 0:00 | 082304SK100DSW001 | Zinc | 0.791 | UG/L | BQ1,J | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 9/14/2004 0:00 | 091404SK100DSW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 9/14/2004 0:00 | 091404SK100DSW001 | Alkalinity, Total | 26 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 9/14/2004 0:00 | 091404SK100DSW001 | Aluminum | 18.3 | UG/L | BQ1,J | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 9/14/2004 0:00 | 091404SK100DSW001 | Aluminum | 8.73 | UG/L | BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 9/14/2004 0:00 | 091404SK100DSW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 9/14/2004 0:00 | 091404SK100DSW001 | Antimony | 0.123 | UG/L | J | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 9/14/2004 0:00 | 091404SK100DSW001 | Arsenic | 0.372 | UG/L | J | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 9/14/2004 0:00 | 091404SK100DSW001 | Arsenic | 0.351 | UG/L | J | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 9/14/2004 0:00 | 091404SK100DSW001 | Barium | 3.06 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 9/14/2004 0:00 | 091404SK100DSW001 | Barium | 2.91 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 9/14/2004 0:00 | 091404SK100DSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 9/14/2004 0:00 | 091404SK100DSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 9/14/2004 0:00 | 091404SK100DSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 9/14/2004 0:00 | 091404SK100DSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 9/14/2004 0:00 | 091404SK100DSW001 | Boron | 4.2 | UG/L | J | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 9/14/2004 0:00 | 091404SK100DSW001 | Boron | 3.8 | UG/L | J | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 9/14/2004 0:00 | 091404SK100DSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100D | 9/14/2004 0:00 | 091404SK100DSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 9/14/2004 0:00 | 091404SK100DSW001 | Calcium | 6470 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 9/14/2004 0:00 | 091404SK100DSW001 | Calcium | 6680 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 9/14/2004 0:00 | 091404SK100DSW001 | Chloride | 0.653 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 9/14/2004 0:00 | 091404SK100DSW001 | Chromium | 0.134 | UG/L | J | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 9/14/2004 0:00 | 091404SK100DSW001 | Chromium | 0.132 | UG/L | J | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 9/14/2004 0:00 | 091404SK100DSW001 | Cobalt | 0.0407 | UG/L | BQ1,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 9/14/2004 0:00 | 091404SK100DSW001 | Cobalt | 0.737 | UG/L | J,BQ1 | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 9/14/2004 0:00 | 091404SK100DSW001 | Copper | 1.2 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 9/14/2004 0:00 | 091404SK100DSW001 | Copper | 1.27 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 9/14/2004 0:00 | 091404SK100DSW001 | Cyanide | 0.0028 | MG/L | J | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 9/14/2004 0:00 | 091404SK100DSW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 9/14/2004 0:00 | 091404SK100DSW001 | Fluoride | 0.047 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 9/14/2004 0:00 | 091404SK100DSW001 | Hardness as CaCO3 | 22.7 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 9/14/2004 0:00 | 091404SK100DSW001 | Hardness as CaCO3 | 23.7 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 9/14/2004 0:00 | 091404SK100DSW001 | Iron | 232 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 9/14/2004 0:00 | 091404SK100DSW001 | Iron | 161 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 9/14/2004 0:00 | 091404SK100DSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 9/14/2004 0:00 | 091404SK100DSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 9/14/2004 0:00 | 091404SK100DSW001 | Magnesium | 1580 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 9/14/2004 0:00 | 091404SK100DSW001 | Magnesium | 1710 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 9/14/2004 0:00 | 091404SK100DSW001 | Manganese | 5.53 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 9/14/2004 0:00 | 091404SK100DSW001 | Manganese | 4.66 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 9/14/2004 0:00 | 091404SK100DSW001 | Molybdenum | 0.566 | UG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 9/14/2004 0:00 | 091404SK100DSW001 | Molybdenum | 0.602 | UG/L | J | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 9/14/2004 0:00 | 091404SK100DSW001 | Nickel | 0.187 | UG/L | BQ1,J | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 9/14/2004 0:00 | 091404SK100DSW001 | Nickel | 0.485 | UG/L | J,BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 9/14/2004 0:00 | 091404SK100DSW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 9/14/2004 0:00 | 091404SK100DSW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 9/14/2004 0:00 | 091404SK100DSW001 | pH | 7.56 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 9/14/2004 0:00 | 091404SK100DSW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 9/14/2004 0:00 | 091404SK100DSW001 | Potassium | 233 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100D | 9/14/2004 0:00 | 091404SK100DSW001 | Potassium | 236 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 9/14/2004 0:00 | 091404SK100DSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 9/14/2004 0:00 | 091404SK100DSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 9/14/2004 0:00 | 091404SK100DSW001 | Silicon | 1360 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 9/14/2004 0:00 | 091404SK100DSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 9/14/2004 0:00 | 091404SK100DSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 9/14/2004 0:00 | 091404SK100DSW001 | Sodium | 2520 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 9/14/2004 0:00 | 091404SK100DSW001 | Sodium | 2730 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 9/14/2004 0:00 | 091404SK100DSW001 | Specific Conductance | 70 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 9/14/2004 0:00 | 091404SK100DSW001 | Sulfate | 6.86 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 9/14/2004 0:00 | 091404SK100DSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 9/14/2004 0:00 | 091404SK100DSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 9/14/2004 0:00 | 091404SK100DSW001 | Thiocyanate | 0.29 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 9/14/2004 0:00 | 091404SK100DSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 9/14/2004 0:00 | 091404SK100DSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 9/14/2004 0:00 | 091404SK100DSW001 | Total Dissolved Solids | 60 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 9/14/2004 0:00 | 091404SK100DSW001 | Total Suspended Solids | 0.8 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 9/14/2004 0:00 | 091404SK100DSW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 9/14/2004 0:00 | 091404SK100DSW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 9/14/2004 0:00 | 091404SK100DSW001 | Zinc | 1.67 | UG/L | BQ1 | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 9/14/2004 0:00 | 091404SK100DSW001 | Zinc | 1.29 | UG/L | BQ1,J | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 10/15/2004 0:00 | 101504SK100DSW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 10/15/2004 0:00 | 101504SK100DSW001 | Alkalinity, Total | 14 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 10/15/2004 0:00 | 101504SK100DSW001 | Aluminum | 37.1 | UG/L | BQ1 | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 10/15/2004 0:00 | 101504SK100DSW001 | Aluminum | 15.9 | UG/L | BQ,BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 10/15/2004 0:00 | 101504SK100DSW001 | Antimony | 0.119 | UG/L | J | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 10/15/2004 0:00 | 101504SK100DSW001 | Antimony | 0.101 | UG/L | J | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 10/15/2004 0:00 | 101504SK100DSW001 | Arsenic | 0.424 | UG/L | J | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 10/15/2004 0:00 | 101504SK100DSW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 10/15/2004 0:00 | 101504SK100DSW001 | Barium | 3.43 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 10/15/2004 0:00 | 101504SK100DSW001 | Barium | 3.16 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 10/15/2004 0:00 | 101504SK100DSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100D | 10/15/2004 0:00 | 101504SK100DSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 10/15/2004 0:00 | 101504SK100DSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 10/15/2004 0:00 | 101504SK100DSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 10/15/2004 0:00 | 101504SK100DSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 10/15/2004 0:00 | 101504SK100DSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 10/15/2004 0:00 | 101504SK100DSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 10/15/2004 0:00 | 101504SK100DSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 10/15/2004 0:00 | 101504SK100DSW001 | Calcium | 4840 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 10/15/2004 0:00 | 101504SK100DSW001 | Calcium | 4090 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 10/15/2004 0:00 | 101504SK100DSW001 | Chloride | 1.14 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 10/15/2004 0:00 | 101504SK100DSW001 | Chromium | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 10/15/2004 0:00 | 101504SK100DSW001 | Chromium | 0.184 | UG/L | BQ1,J | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 10/15/2004 0:00 | 101504SK100DSW001 | Cobalt | 0.0402 | UG/L | BQ1,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 10/15/2004 0:00 | 101504SK100DSW001 | Cobalt | 0.885 | UG/L | BQ1 | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 10/15/2004 0:00 | 101504SK100DSW001 | Copper | 1.62 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 10/15/2004 0:00 | 101504SK100DSW001 | Copper | 1.37 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 10/15/2004 0:00 | 101504SK100DSW001 | Cyanide | 0.004 | MG/L | BQ,J | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 10/15/2004 0:00 | 101504SK100DSW001 | Cyanide, Weak Acid Dissociable | 0.0038 | MG/L | J | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 10/15/2004 0:00 | 101504SK100DSW001 | Fluoride | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 10/15/2004 0:00 | 101504SK100DSW001 | Hardness as CaCO3 | 16.5 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 10/15/2004 0:00 | 101504SK100DSW001 | Iron | 275 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 10/15/2004 0:00 | 101504SK100DSW001 | Iron | 144 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 10/15/2004 0:00 | 101504SK100DSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 10/15/2004 0:00 | 101504SK100DSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 10/15/2004 0:00 | 101504SK100DSW001 | Magnesium | 1070 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 10/15/2004 0:00 | 101504SK100DSW001 | Magnesium | 1050 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 10/15/2004 0:00 | 101504SK100DSW001 | Manganese | 12.8 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 10/15/2004 0:00 | 101504SK100DSW001 | Manganese | 11.3 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 10/15/2004 0:00 | 101504SK100DSW001 | Molybdenum | 0.406 | UG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 10/15/2004 0:00 | 101504SK100DSW001 | Molybdenum | 0.404 | UG/L | J | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 10/15/2004 0:00 | 101504SK100DSW001 | Nickel | 0.216 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 10/15/2004 0:00 | 101504SK100DSW001 | Nickel | 0.519 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100D | 10/15/2004 0:00 | 101504SK100DSW001 | Nitrogen, Ammonia (as N) | 0.039 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 10/15/2004 0:00 | 101504SK100DSW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 10/15/2004 0:00 | 101504SK100DSW001 | pH | 6.97 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 10/15/2004 0:00 | 101504SK100DSW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 10/15/2004 0:00 | 101504SK100DSW001 | Potassium | 352 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 10/15/2004 0:00 | 101504SK100DSW001 | Potassium | 304 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 10/15/2004 0:00 | 101504SK100DSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 10/15/2004 0:00 | 101504SK100DSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 10/15/2004 0:00 | 101504SK100DSW001 | Silicon | 3900 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 10/15/2004 0:00 | 101504SK100DSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 10/15/2004 0:00 | 101504SK100DSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 10/15/2004 0:00 | 101504SK100DSW001 | Sodium | 2120 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 10/15/2004 0:00 | 101504SK100DSW001 | Sodium | 1950 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 10/15/2004 0:00 | 101504SK100DSW001 | Specific Conductance | 47 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 10/15/2004 0:00 | 101504SK100DSW001 | Sulfate | 6.7 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 10/15/2004 0:00 | 101504SK100DSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 10/15/2004 0:00 | 101504SK100DSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 10/15/2004 0:00 | 101504SK100DSW001 | Thiocyanate | 0.18 | MG/L | | 1 | 0.059 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 10/15/2004 0:00 | 101504SK100DSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 10/15/2004 0:00 | 101504SK100DSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 10/15/2004 0:00 | 101504SK100DSW001 | Total Dissolved Solids | 57.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 10/15/2004 0:00 | 101504SK100DSW001 | Total Suspended Solids | 1 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 10/15/2004 0:00 | 101504SK100DSW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 10/15/2004 0:00 | 101504SK100DSW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100D | 10/15/2004 0:00 | 101504SK100DSW001 | Zinc | 2.51 | UG/L | BQ1 | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100D | 10/15/2004 0:00 | 101504SK100DSW001 | Zinc | 3.34 | UG/L | BQ1 | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 8/16/2004 0:00 | 081604SK100FSW001 | Alkalinity, Total | 25.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 8/24/2004 0:00 | 082404SK100FSW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 8/24/2004 0:00 | 082404SK100FSW001 | Alkalinity, Total | 26 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 8/24/2004 0:00 | 082404SK100FSW001 | Aluminum | 33.2 | UG/L | BQ,BQ1 | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 8/24/2004 0:00 | 082404SK100FSW001 | Aluminum | 19.2 | UG/L | BQ,BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 8/24/2004 0:00 | 082404SK100FSW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |

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Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100F | 8/24/2004 0:00 | 082404SK100FSW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 8/24/2004 0:00 | 082404SK100FSW001 | Arsenic | 0.656 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 8/24/2004 0:00 | 082404SK100FSW001 | Arsenic | 0.553 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 8/24/2004 0:00 | 082404SK100FSW001 | Barium | 3.29 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 8/24/2004 0:00 | 082404SK100FSW001 | Barium | 3.06 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 8/24/2004 0:00 | 082404SK100FSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 8/24/2004 0:00 | 082404SK100FSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 8/24/2004 0:00 | 082404SK100FSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 8/24/2004 0:00 | 082404SK100FSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 8/24/2004 0:00 | 082404SK100FSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 8/24/2004 0:00 | 082404SK100FSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 8/24/2004 0:00 | 082404SK100FSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 8/24/2004 0:00 | 082404SK100FSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 8/24/2004 0:00 | 082404SK100FSW001 | Calcium | 6540 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 8/24/2004 0:00 | 082404SK100FSW001 | Calcium | 6470 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 8/24/2004 0:00 | 082404SK100FSW001 | Chloride | 0.498 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 8/24/2004 0:00 | 082404SK100FSW001 | Chromium | 0.187 | UG/L | BQ1,J | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 8/24/2004 0:00 | 082404SK100FSW001 | Chromium | 0.159 | UG/L | BQ1,J | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 8/24/2004 0:00 | 082404SK100FSW001 | Cobalt | 0.0513 | UG/L | BQ1,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 8/24/2004 0:00 | 082404SK100FSW001 | Cobalt | 0.673 | UG/L | BQ1 | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 8/24/2004 0:00 | 082404SK100FSW001 | Copper | 1.53 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 8/24/2004 0:00 | 082404SK100FSW001 | Copper | 1.32 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 8/24/2004 0:00 | 082404SK100FSW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 8/24/2004 0:00 | 082404SK100FSW001 | Cyanide, Weak Acid Dissociable | 0.0029 | MG/L | J | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 8/24/2004 0:00 | 082404SK100FSW001 | Fluoride | 0.081 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 8/24/2004 0:00 | 082404SK100FSW001 | Hardness as CaCO3 | 23.9 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 8/24/2004 0:00 | 082404SK100FSW001 | Hardness as CaCO3 | 23.7 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 8/24/2004 0:00 | 082404SK100FSW001 | Iron | 738 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 8/24/2004 0:00 | 082404SK100FSW001 | Iron | 552 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 8/24/2004 0:00 | 082404SK100FSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 8/24/2004 0:00 | 082404SK100FSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 8/24/2004 0:00 | 082404SK100FSW001 | Magnesium | 1840 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |

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Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100F | 8/24/2004 0:00 | 082404SK100FSW001 | Magnesium | 1830 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 8/24/2004 0:00 | 082404SK100FSW001 | Manganese | 41.7 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 8/24/2004 0:00 | 082404SK100FSW001 | Manganese | 35.9 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 8/24/2004 0:00 | 082404SK100FSW001 | Molybdenum | 0.533 | UG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 8/24/2004 0:00 | 082404SK100FSW001 | Molybdenum | 0.506 | UG/L | J | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 8/24/2004 0:00 | 082404SK100FSW001 | Nickel | 0.234 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 8/24/2004 0:00 | 082404SK100FSW001 | Nickel | 0.509 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 8/24/2004 0:00 | 082404SK100FSW001 | Nitrogen, Ammonia (as N) | 0.147 | MG/L | BQ | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 8/24/2004 0:00 | 082404SK100FSW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 8/24/2004 0:00 | 082404SK100FSW001 | pH | 7.67 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 8/24/2004 0:00 | 082404SK100FSW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 8/24/2004 0:00 | 082404SK100FSW001 | Potassium | 171 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 8/24/2004 0:00 | 082404SK100FSW001 | Potassium | 169 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 8/24/2004 0:00 | 082404SK100FSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 8/24/2004 0:00 | 082404SK100FSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 8/24/2004 0:00 | 082404SK100FSW001 | Silicon | 1550 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 8/24/2004 0:00 | 082404SK100FSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 8/24/2004 0:00 | 082404SK100FSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 8/24/2004 0:00 | 082404SK100FSW001 | Sodium | 2760 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 8/24/2004 0:00 | 082404SK100FSW001 | Sodium | 2730 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 8/24/2004 0:00 | 082404SK100FSW001 | Specific Conductance | 70 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 8/24/2004 0:00 | 082404SK100FSW001 | Sulfate | 4.99 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 8/24/2004 0:00 | 082404SK100FSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 8/24/2004 0:00 | 082404SK100FSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 8/24/2004 0:00 | 082404SK100FSW001 | Thiocyanate | 0.17 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 8/24/2004 0:00 | 082404SK100FSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 8/24/2004 0:00 | 082404SK100FSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 8/24/2004 0:00 | 082404SK100FSW001 | Total Dissolved Solids | 42.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 8/24/2004 0:00 | 082404SK100FSW001 | Total Suspended Solids | 1.62 | MG/L | | 0.541 | 0.162 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 8/24/2004 0:00 | 082404SK100FSW001 | Vanadium | 0.297 | UG/L | J | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 8/24/2004 0:00 | 082404SK100FSW001 | Vanadium | 0.299 | UG/L | J | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 8/24/2004 0:00 | 082404SK100FSW001 | Zinc | 0.74 | UG/L | BQ1,J | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100F | 8/24/2004 0:00 | 082404SK100FSW001 | Zinc | 1.2 | UG/L | BQ1,J | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 9/14/2004 0:00 | 091404SK100FSW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 9/14/2004 0:00 | 091404SK100FSW001 | Alkalinity, Total | 26.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 9/14/2004 0:00 | 091404SK100FSW001 | Aluminum | 43.4 | UG/L | BQ,BQ1 | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 9/14/2004 0:00 | 091404SK100FSW001 | Aluminum | 28.9 | UG/L | BQ,BQ1 | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 9/14/2004 0:00 | 091404SK100FSW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 9/14/2004 0:00 | 091404SK100FSW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 9/14/2004 0:00 | 091404SK100FSW001 | Arsenic | 0.552 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 9/14/2004 0:00 | 091404SK100FSW001 | Arsenic | 0.415 | UG/L | J | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 9/14/2004 0:00 | 091404SK100FSW001 | Barium | 4.49 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 9/14/2004 0:00 | 091404SK100FSW001 | Barium | 3.79 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 9/14/2004 0:00 | 091404SK100FSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 9/14/2004 0:00 | 091404SK100FSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 9/14/2004 0:00 | 091404SK100FSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 9/14/2004 0:00 | 091404SK100FSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 9/14/2004 0:00 | 091404SK100FSW001 | Boron | 4.3 | UG/L | J | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 9/14/2004 0:00 | 091404SK100FSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 9/14/2004 0:00 | 091404SK100FSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 9/14/2004 0:00 | 091404SK100FSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 9/14/2004 0:00 | 091404SK100FSW001 | Calcium | 6460 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 9/14/2004 0:00 | 091404SK100FSW001 | Calcium | 6290 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 9/14/2004 0:00 | 091404SK100FSW001 | Chloride | 0.669 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 9/14/2004 0:00 | 091404SK100FSW001 | Chromium | 0.121 | UG/L | J | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 9/14/2004 0:00 | 091404SK100FSW001 | Chromium | 0.234 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 9/14/2004 0:00 | 091404SK100FSW001 | Cobalt | 0.0809 | UG/L | BQ1,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 9/14/2004 0:00 | 091404SK100FSW001 | Cobalt | 0.78 | UG/L | J,BQ1 | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 9/14/2004 0:00 | 091404SK100FSW001 | Copper | 1.52 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 9/14/2004 0:00 | 091404SK100FSW001 | Copper | 1.36 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 9/14/2004 0:00 | 091404SK100FSW001 | Cyanide | 0.0028 | MG/L | J | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 9/14/2004 0:00 | 091404SK100FSW001 | Cyanide, Weak Acid Dissociable | 0.0039 | MG/L | J | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 9/14/2004 0:00 | 091404SK100FSW001 | Fluoride | 0.036 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 9/14/2004 0:00 | 091404SK100FSW001 | Hardness as CaCO3 | 23.7 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100F | 9/14/2004 0:00 | 091404SK100FSW001 | Hardness as CaCO3 | 23.2 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 9/14/2004 0:00 | 091404SK100FSW001 | Iron | 578 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 9/14/2004 0:00 | 091404SK100FSW001 | Iron | 370 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 9/14/2004 0:00 | 091404SK100FSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 9/14/2004 0:00 | 091404SK100FSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 9/14/2004 0:00 | 091404SK100FSW001 | Magnesium | 1830 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 9/14/2004 0:00 | 091404SK100FSW001 | Magnesium | 1820 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 9/14/2004 0:00 | 091404SK100FSW001 | Manganese | 29.1 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 9/14/2004 0:00 | 091404SK100FSW001 | Manganese | 24.2 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 9/14/2004 0:00 | 091404SK100FSW001 | Molybdenum | 0.649 | UG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 9/14/2004 0:00 | 091404SK100FSW001 | Molybdenum | 0.579 | UG/L | J | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 9/14/2004 0:00 | 091404SK100FSW001 | Nickel | 0.339 | UG/L | J,BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 9/14/2004 0:00 | 091404SK100FSW001 | Nickel | 0.656 | UG/L | J | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 9/14/2004 0:00 | 091404SK100FSW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 9/14/2004 0:00 | 091404SK100FSW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 9/14/2004 0:00 | 091404SK100FSW001 | pH | 7.58 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 9/14/2004 0:00 | 091404SK100FSW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 9/14/2004 0:00 | 091404SK100FSW001 | Potassium | 228 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 9/14/2004 0:00 | 091404SK100FSW001 | Potassium | 221 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 9/14/2004 0:00 | 091404SK100FSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 9/14/2004 0:00 | 091404SK100FSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 9/14/2004 0:00 | 091404SK100FSW001 | Silicon | 875 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 9/14/2004 0:00 | 091404SK100FSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 9/14/2004 0:00 | 091404SK100FSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 9/14/2004 0:00 | 091404SK100FSW001 | Sodium | 2920 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 9/14/2004 0:00 | 091404SK100FSW001 | Sodium | 2880 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 9/14/2004 0:00 | 091404SK100FSW001 | Specific Conductance | 70 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 9/14/2004 0:00 | 091404SK100FSW001 | Sulfate | 7 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 9/14/2004 0:00 | 091404SK100FSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 9/14/2004 0:00 | 091404SK100FSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 9/14/2004 0:00 | 091404SK100FSW001 | Thiocyanate | 0.29 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 9/14/2004 0:00 | 091404SK100FSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100F | 9/14/2004 0:00 | 091404SK100FSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 9/14/2004 0:00 | 091404SK100FSW001 | Total Dissolved Solids | 43.8 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 9/14/2004 0:00 | 091404SK100FSW001 | Total Suspended Solids | 2.6 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 9/14/2004 0:00 | 091404SK100FSW001 | Vanadium | 0.429 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 9/14/2004 0:00 | 091404SK100FSW001 | Vanadium | 0.286 | UG/L | J | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 9/14/2004 0:00 | 091404SK100FSW001 | Zinc | 1.14 | UG/L | BQ1,J | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 9/14/2004 0:00 | 091404SK100FSW001 | Zinc | 0.949 | UG/L | BQ1,J | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 10/16/2004 0:00 | 101604SK100FSW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 10/16/2004 0:00 | 101604SK100FSW001 | Alkalinity, Total | 12.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 10/16/2004 0:00 | 101604SK100FSW001 | Aluminum | 300 | UG/L | | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 10/16/2004 0:00 | 101604SK100FSW001 | Aluminum | 18.8 | UG/L | BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 10/16/2004 0:00 | 101604SK100FSW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 10/16/2004 0:00 | 101604SK100FSW001 | Antimony | 0.115 | UG/L | J | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 10/16/2004 0:00 | 101604SK100FSW001 | Arsenic | 0.698 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 10/16/2004 0:00 | 101604SK100FSW001 | Arsenic | 0.326 | UG/L | J | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 10/16/2004 0:00 | 101604SK100FSW001 | Barium | 7.37 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 10/16/2004 0:00 | 101604SK100FSW001 | Barium | 3.85 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 10/16/2004 0:00 | 101604SK100FSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 10/16/2004 0:00 | 101604SK100FSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 10/16/2004 0:00 | 101604SK100FSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 10/16/2004 0:00 | 101604SK100FSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 10/16/2004 0:00 | 101604SK100FSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 10/16/2004 0:00 | 101604SK100FSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 10/16/2004 0:00 | 101604SK100FSW001 | Cadmium | 0.0446 | UG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 10/16/2004 0:00 | 101604SK100FSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 10/16/2004 0:00 | 101604SK100FSW001 | Calcium | 4100 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 10/16/2004 0:00 | 101604SK100FSW001 | Calcium | 4020 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 10/16/2004 0:00 | 101604SK100FSW001 | Chloride | 1.2 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 10/16/2004 0:00 | 101604SK100FSW001 | Chromium | 0.441 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 10/16/2004 0:00 | 101604SK100FSW001 | Chromium | 0.221 | UG/L | BQ1 | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 10/16/2004 0:00 | 101604SK100FSW001 | Cobalt | 0.189 | UG/L | BQ1 | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 10/16/2004 0:00 | 101604SK100FSW001 | Cobalt | 1.02 | UG/L | BQ1 | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100F | 10/16/2004 0:00 | 101604SK100FSW001 | Copper | 3.35 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 10/16/2004 0:00 | 101604SK100FSW001 | Copper | 1.5 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 10/16/2004 0:00 | 101604SK100FSW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 10/16/2004 0:00 | 101604SK100FSW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 10/16/2004 0:00 | 101604SK100FSW001 | Fluoride | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 10/16/2004 0:00 | 101604SK100FSW001 | Hardness as CaCO3 | 14.8 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 10/16/2004 0:00 | 101604SK100FSW001 | Iron | 828 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 10/16/2004 0:00 | 101604SK100FSW001 | Iron | 151 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 10/16/2004 0:00 | 101604SK100FSW001 | Lead | 0.757 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 10/16/2004 0:00 | 101604SK100FSW001 | Lead | 0.107 | UG/L | J | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 10/16/2004 0:00 | 101604SK100FSW001 | Magnesium | 1100 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 10/16/2004 0:00 | 101604SK100FSW001 | Magnesium | 1050 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 10/16/2004 0:00 | 101604SK100FSW001 | Manganese | 56.7 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 10/16/2004 0:00 | 101604SK100FSW001 | Manganese | 23.5 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 10/16/2004 0:00 | 101604SK100FSW001 | Molybdenum | 0.387 | UG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 10/16/2004 0:00 | 101604SK100FSW001 | Molybdenum | 0.369 | UG/L | J | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 10/16/2004 0:00 | 101604SK100FSW001 | Nickel | 0.52 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 10/16/2004 0:00 | 101604SK100FSW001 | Nickel | 0.658 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 10/16/2004 0:00 | 101604SK100FSW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 10/16/2004 0:00 | 101604SK100FSW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 10/16/2004 0:00 | 101604SK100FSW001 | pH | 7.03 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 10/16/2004 0:00 | 101604SK100FSW001 | Phosphorus, Total (as P) | 0.05 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 10/16/2004 0:00 | 101604SK100FSW001 | Potassium | 323 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 10/16/2004 0:00 | 101604SK100FSW001 | Potassium | 367 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 10/16/2004 0:00 | 101604SK100FSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 10/16/2004 0:00 | 101604SK100FSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 10/16/2004 0:00 | 101604SK100FSW001 | Silicon | 3770 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 10/16/2004 0:00 | 101604SK100FSW001 | Silver | 0.0079 | UG/L | J | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 10/16/2004 0:00 | 101604SK100FSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 10/16/2004 0:00 | 101604SK100FSW001 | Sodium | 2010 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 10/16/2004 0:00 | 101604SK100FSW001 | Sodium | 1990 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 10/16/2004 0:00 | 101604SK100FSW001 | Specific Conductance | 47 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100F | 10/16/2004 0:00 | 101604SK100FSW001 | Sulfate | 7.03 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 10/16/2004 0:00 | 101604SK100FSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 10/16/2004 0:00 | 101604SK100FSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 10/16/2004 0:00 | 101604SK100FSW001 | Thiocyanate | 0.18 | MG/L | J | 1 | 0.059 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 10/16/2004 0:00 | 101604SK100FSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 10/16/2004 0:00 | 101604SK100FSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 10/16/2004 0:00 | 101604SK100FSW001 | Total Dissolved Solids | 36.3 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 10/16/2004 0:00 | 101604SK100FSW001 | Total Suspended Solids | 15.4 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 10/16/2004 0:00 | 101604SK100FSW001 | Vanadium | 0.786 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 10/16/2004 0:00 | 101604SK100FSW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100F | 10/16/2004 0:00 | 101604SK100FSW001 | Zinc | 5.44 | UG/L | BQ1 | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100F | 10/16/2004 0:00 | 101604SK100FSW001 | Zinc | 3.39 | UG/L | BQ1 | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 8/16/2004 0:00 | 081604SK100GSW001 | Alkalinity, Total | 28.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | 1,1,1,2-Tetrachloroethane | 0 | UG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | 1,1,1-Trichloroethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | 1,1,2,2-Tetrachloroethane | 0 | UG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | 1,1,2-Trichloroethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | 1,1-Dichloroethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | 1,1-Dichloroethene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | 1,1-Dichloropropene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | 1,2,3-Trichlorobenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | 1,2,3-Trichloropropane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | 1,2,4-Trichlorobenzene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | 1,2,4-Trichlorobenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | 1,2,4-Trimethylbenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | 1,2-Dibromo-3-chloropropane | 0 | UG/L | | 2 | 0.62 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | 1,2-Dibromoethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | 1,2-Dichlorobenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | 1,2-Dichlorobenzene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | 1,2-Dichloroethane | 0 | UG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | 1,2-Dichloropropane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | 1,3,5-Trimethylbenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | 1,3-Dichlorobenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | 1,3-Dichlorobenzene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | 1,3-Dichloropropane | 0 | UG/L | | 0.4 | 0.12 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | 1,4-Dichlorobenzene | 0 | UG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | 1,4-Dichlorobenzene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | 1-Chlorohexane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | 2,2-Dichloropropane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | 2,4,5-Trichlorophenol | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | 2,4,6-Trichlorophenol | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | 2,4-Dichlorophenol | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | 2,4-Dimethylphenol | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | 2,4-Dinitrophenol | 0 | UG/L | | 73 | 22 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | 2,4-Dinitrotoluene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | 2,6-Dinitrotoluene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | 2-Butanone | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | 2-Chloroethyl vinyl ether | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | 2-Chloronaphthalene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | 2-Chlorophenol | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | 2-Chlorotoluene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | 2-Hexanone | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | 2-Methyl-4,6-dinitrophenol | 0 | UG/L | | 52 | 16 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | 2-Methylnaphthalene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | 2-Methylphenol (o-Cresol) | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | 2-Nitroaniline | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | 2-Nitrophenol | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | 3,3'-Dichlorobenzidine | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | 3-Methylphenol/4-Methylphenol Coelution | 0 | UG/L | | 21 | 6.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | 3-Nitroaniline | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | 4,4'-DDD | 0 | UG/L | | 0.0313 | 0.0098 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | 4,4'-DDE | 0 | UG/L | | 0.0313 | 0.0098 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | 4,4'-DDT | 0 | UG/L | | 0.0313 | 0.0098 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | 4-Bromophenyl phenyl ether | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | 4-Chloro-3-methylphenol | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | 4-Chloroaniline | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | 4-Chlorophenyl phenyl ether | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | 4-Chlorotoluene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | 4-Isopropyltoluene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | 4-Methyl-2-pentanone | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | 4-Nitroaniline | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | 4-Nitrophenol | 0 | UG/L | | 52 | 16 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Acenaphthene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Acenaphthylene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Acetone | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Acidity, Total | 6.6 | MG/L | J | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Acrylonitrile | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Aldrin | 0 | UG/L | | 0.0521 | 0.0156 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Alkalinity, Total | 30.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | alpha-BHC | 0 | UG/L | | 0.0313 | 0.0098 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | alpha-Chlordane | 0 | UG/L | | 0.0313 | 0.0098 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Aluminum | 19.3 | UG/L | BQ,BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Aluminum | 17.7 | UG/L | BQ,BQ1,J | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Aniline | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Anthracene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Antimony | 0.0779 | UG/L | BQ1,J | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Arsenic | 0.463 | UG/L | J | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Arsenic | 0.293 | UG/L | J | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Azobenzene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Barium | 6.32 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Barium | 6.19 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Benzene | 0 | UG/L | | 0.4 | 0.12 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Benzo(a)anthracene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Benzo(a)pyrene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Benzo(b)fluoranthene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Benzo(g,h,i)perylene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Benzo(k)fluoranthene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Benzoic acid | 0 | UG/L | | 52 | 16 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Benzyl alcohol | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Benzyl butyl phthalate | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | beta-BHC | 0 | UG/L | | 0.104 | 0.0323 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | bis-(2-Chloroethoxy)methane | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | bis-(2-Chloroethyl)ether | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | bis(2-Chloroisopropyl)ether | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | bis-(2-Ethylhexyl)phthalate | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Bromobenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Bromochloromethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Bromodichloromethane | 0 | UG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Bromoform | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Bromomethane | 0 | UG/L | | 3 | 0.94 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Calcium | 8240 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Calcium | 8260 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Carbon disulfide | 0 | UG/L | | 2 | 0.62 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Carbon tetrachloride | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Chloride | 0.683 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Chlorobenzene | 0 | UG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Chloroethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Chloroform | 0 | UG/L | | 1 | 0.3 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Chloromethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Chromium | 1.22 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Chromium | 0.193 | UG/L | BQ1,J | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Chrysene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | cis-1,2-Dichloroethene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | cis-1,3-Dichloropropene | 0 | UG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Cobalt | 0.548 | UG/L | BQ1 | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Cobalt | 0.0525 | UG/L | BQ1,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Copper | 2.05 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Copper | 2.95 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | delta-BHC | 0 | UG/L | | 0.0313 | 0.0098 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Dibenzo(a,h)anthracene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Dibenzofuran | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Dibromochloromethane | 0 | UG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Dibromomethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Dichlorodifluoromethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Dieldrin | 0 | UG/L | | 0.0313 | 0.0098 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Diethyl phthalate | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Dimethyl phthalate | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Di-n-butyl phthalate | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Di-n-octyl phthalate | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Endosulfan I | 0 | UG/L | | 0.0313 | 0.0098 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Endosulfan II | 0 | UG/L | | 0.0313 | 0.0098 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Endosulfan sulfate | 0 | UG/L | | 0.0313 | 0.0098 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Endrin | 0 | UG/L | | 0.0313 | 0.0098 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Endrin aldehyde | 0 | UG/L | | 0.0521 | 0.0156 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Endrin ketone | 0 | UG/L | | 0.0313 | 0.0156 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Ethylbenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Fluoranthene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Fluorene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Fluoride | 0.058 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | gamma-BHC (Lindane) | 0 | UG/L | | 0.0313 | 0.0104 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | gamma-Chlordane | 0 | UG/L | | 0.0313 | 0.0098 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Hardness as CaCO3 | 29.2 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Hardness as CaCO3 | 29.1 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Heptachlor | 0 | UG/L | | 0.104 | 0.0156 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Heptachlor epoxide | 0 | UG/L | | 0.0313 | 0.0098 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Hexachlorobenzene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Hexachlorobutadiene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Hexachlorobutadiene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Hexachlorocyclopentadiene | 0 | UG/L | | 31 | 9.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Hexachloroethane | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Indeno(1,2,3-cd)pyrene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Iron | 702 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Iron | 1090 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Isophorone | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Isopropylbenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Magnesium | 2090 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Magnesium | 2060 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Manganese | 50.7 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Manganese | 55.2 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Methoxychlor | 0 | UG/L | | 0.0313 | 0.0098 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Methyl iodide | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Methylene chloride | 0 | UG/L | | 5 | 1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Methyl-tert-butyl ether (MTBE) | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Molybdenum | 1.03 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Molybdenum | 0.87 | UG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Naphthalene | 0 | UG/L | | 2 | 0.62 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Naphthalene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | n-Butylbenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Nickel | 0.559 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Nickel | 0.339 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Nitrobenzene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | n-Nitrosodimethylamine | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | n-Nitrosodi-n-propylamine | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | n-Nitrosodiphenylamine | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | n-Propylbenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | o-Xylene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Pentachlorophenol | 0 | UG/L | | 52 | 16 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | pH | 7.56 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Phenanthrene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Phenol | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Potassium | 437 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Potassium | 436 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Pyrene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | sec-Butylbenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Silicon | 5340 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Sodium | 3000 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Sodium | 2890 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Specific Conductance | 85 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Styrene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Sulfate | 9.56 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | tert-Butylbenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Tetrachloroethene (PCE) | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Toluene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Total Dissolved Solids | 63.8 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Total Suspended Solids | 1 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Toxaphene | 0 | UG/L | | 1.04 | 0.323 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | trans-1,2-Dichloroethene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | trans-1,3-Dichloropropene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | trans-1,4-Dichloro-2-butene | 0 | UG/L | | 2 | 0.62 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Trichloroethene (TCE) | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Trichlorofluoromethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Vinyl acetate | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Vinyl chloride | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Xylene, Isomers m & p | 0 | UG/L | | 2 | 0.62 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Zinc | 0.944 | UG/L | BQ1,J | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 8/25/2004 0:00 | 082504SK100GSW001 | Zinc | 0.794 | UG/L | BQ1,J | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 9/14/2004 0:00 | 091404SK100GSW001 | Acidity, Total | 5.4 | MG/L | J | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 9/14/2004 0:00 | 091404SK100GSW001 | Alkalinity, Total | 26.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 9/14/2004 0:00 | 091404SK100GSW001 | Aluminum | 10.1 | UG/L | BQ,BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 9/14/2004 0:00 | 091404SK100GSW001 | Aluminum | 16.9 | UG/L | BQ1,J | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 9/14/2004 0:00 | 091404SK100GSW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 9/14/2004 0:00 | 091404SK100GSW001 | Antimony | 0.0935 | UG/L | BQ,J | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 9/14/2004 0:00 | 091404SK100GSW001 | Arsenic | 0.302 | UG/L | J | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 9/14/2004 0:00 | 091404SK100GSW001 | Arsenic | 0.4 | UG/L | J | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 9/14/2004 0:00 | 091404SK100GSW001 | Barium | 5.74 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 9/14/2004 0:00 | 091404SK100GSW001 | Barium | 5.94 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 9/14/2004 0:00 | 091404SK100GSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 9/14/2004 0:00 | 091404SK100GSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 9/14/2004 0:00 | 091404SK100GSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100G | 9/14/2004 0:00 | 091404SK100GSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 9/14/2004 0:00 | 091404SK100GSW001 | Boron | 4 | UG/L | J | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 9/14/2004 0:00 | 091404SK100GSW001 | Boron | 4.3 | UG/L | J | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 9/14/2004 0:00 | 091404SK100GSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 9/14/2004 0:00 | 091404SK100GSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 9/14/2004 0:00 | 091404SK100GSW001 | Calcium | 7210 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 9/14/2004 0:00 | 091404SK100GSW001 | Calcium | 8100 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 9/14/2004 0:00 | 091404SK100GSW001 | Chloride | 0.791 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 9/14/2004 0:00 | 091404SK100GSW001 | Chromium | 0.133 | UG/L | J | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 9/14/2004 0:00 | 091404SK100GSW001 | Chromium | 0.176 | UG/L | J | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 9/14/2004 0:00 | 091404SK100GSW001 | Cobalt | 0.711 | UG/L | J,BQ1 | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 9/14/2004 0:00 | 091404SK100GSW001 | Cobalt | 0.0777 | UG/L | BQ1,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 9/14/2004 0:00 | 091404SK100GSW001 | Copper | 1.86 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 9/14/2004 0:00 | 091404SK100GSW001 | Copper | 2.55 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 9/14/2004 0:00 | 091404SK100GSW001 | Cyanide | 0.0025 | MG/L | J | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 9/14/2004 0:00 | 091404SK100GSW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 9/14/2004 0:00 | 091404SK100GSW001 | Fluoride | 0.061 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 9/14/2004 0:00 | 091404SK100GSW001 | Hardness as CaCO3 | 26.5 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 9/14/2004 0:00 | 091404SK100GSW001 | Hardness as CaCO3 | 28.4 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 9/14/2004 0:00 | 091404SK100GSW001 | Iron | 377 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 9/14/2004 0:00 | 091404SK100GSW001 | Iron | 598 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 9/14/2004 0:00 | 091404SK100GSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 9/14/2004 0:00 | 091404SK100GSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 9/14/2004 0:00 | 091404SK100GSW001 | Magnesium | 2050 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 9/14/2004 0:00 | 091404SK100GSW001 | Magnesium | 1980 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 9/14/2004 0:00 | 091404SK100GSW001 | Manganese | 46.2 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 9/14/2004 0:00 | 091404SK100GSW001 | Manganese | 52.4 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 9/14/2004 0:00 | 091404SK100GSW001 | Molybdenum | 1.03 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 9/14/2004 0:00 | 091404SK100GSW001 | Molybdenum | 1.01 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 9/14/2004 0:00 | 091404SK100GSW001 | Nickel | 0.303 | UG/L | J,BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 9/14/2004 0:00 | 091404SK100GSW001 | Nickel | 0.661 | UG/L | J | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 9/14/2004 0:00 | 091404SK100GSW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100G | 9/14/2004 0:00 | 091404SK100GSW001 | Nitrogen, Nitrate-Nitrite | 0.91 | MG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 9/14/2004 0:00 | 091404SK100GSW001 | pH | 7.54 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 9/14/2004 0:00 | 091404SK100GSW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 9/14/2004 0:00 | 091404SK100GSW001 | Potassium | 460 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 9/14/2004 0:00 | 091404SK100GSW001 | Potassium | 458 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 9/14/2004 0:00 | 091404SK100GSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 9/14/2004 0:00 | 091404SK100GSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 9/14/2004 0:00 | 091404SK100GSW001 | Silicon | 5580 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 9/14/2004 0:00 | 091404SK100GSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 9/14/2004 0:00 | 091404SK100GSW001 | Silver | 0.016 | UG/L | J | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 9/14/2004 0:00 | 091404SK100GSW001 | Sodium | 2960 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 9/14/2004 0:00 | 091404SK100GSW001 | Sodium | 3140 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 9/14/2004 0:00 | 091404SK100GSW001 | Specific Conductance | 80 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 9/14/2004 0:00 | 091404SK100GSW001 | Sulfate | 11.4 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 9/14/2004 0:00 | 091404SK100GSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 9/14/2004 0:00 | 091404SK100GSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 9/14/2004 0:00 | 091404SK100GSW001 | Thiocyanate | 0.23 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 9/14/2004 0:00 | 091404SK100GSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 9/14/2004 0:00 | 091404SK100GSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 9/14/2004 0:00 | 091404SK100GSW001 | Total Dissolved Solids | 65 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 9/14/2004 0:00 | 091404SK100GSW001 | Total Suspended Solids | 1.1 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 9/14/2004 0:00 | 091404SK100GSW001 | Vanadium | 0.274 | UG/L | J | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 9/14/2004 0:00 | 091404SK100GSW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 9/14/2004 0:00 | 091404SK100GSW001 | Zinc | 1.17 | UG/L | BQ1,J | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 9/14/2004 0:00 | 091404SK100GSW001 | Zinc | 1.88 | UG/L | BQ1 | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | 1,1,1,2-Tetrachloroethane | 0 | UG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | 1,1,1-Trichloroethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | 1,1,2,2-Tetrachloroethane | 0 | UG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | 1,1,2-Trichloroethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | 1,1-Dichloroethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | 1,1-Dichloroethene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | 1,1-Dichloropropene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | 1,2,3-Trichlorobenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | 1,2,3-Trichloropropane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | 1,2,4-Trichlorobenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | 1,2,4-Trichlorobenzene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | 1,2,4-Trimethylbenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | 1,2-Dibromo-3-chloropropane | 0 | UG/L | | 2 | 0.62 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | 1,2-Dibromoethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | 1,2-Dichlorobenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | 1,2-Dichlorobenzene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | 1,2-Dichloroethane | 0 | UG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | 1,2-Dichloropropane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | 1,3,5-Trimethylbenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | 1,3-Dichlorobenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | 1,3-Dichlorobenzene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | 1,3-Dichloropropane | 0 | UG/L | | 0.4 | 0.12 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | 1,4-Dichlorobenzene | 0 | UG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | 1,4-Dichlorobenzene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | 1-Chlorohexane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | 2,2-Dichloropropane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | 2,4,5-Trichlorophenol | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | 2,4,6-Trichlorophenol | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | 2,4-Dichlorophenol | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | 2,4-Dimethylphenol | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | 2,4-Dinitrophenol | 0 | UG/L | | 70 | 21 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | 2,4-Dinitrotoluene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | 2,6-Dinitrotoluene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | 2-Butanone | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | 2-Chloroethyl vinyl ether | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | 2-Chloronaphthalene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | 2-Chlorophenol | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | 2-Chlorotoluene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | 2-Hexanone | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | 2-Methyl-4,6-dinitrophenol | 0 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | 2-Methylnaphthalene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | 2-Methylphenol (o-Cresol) | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | 2-Nitroaniline | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | 2-Nitrophenol | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | 3,3'-Dichlorobenzidine | 0 | UG/L | J | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | 3-Methylphenol/4-Methylphenol Coelution | 0 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | 3-Nitroaniline | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | 4,4'-DDD | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | 4,4'-DDE | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | 4,4'-DDT | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | 4-Bromophenyl phenyl ether | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | 4-Chloro-3-methylphenol | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | 4-Chloroaniline | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | 4-Chlorophenyl phenyl ether | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | 4-Chlorotoluene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | 4-Isopropyltoluene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | 4-Methyl-2-pentanone | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | 4-Nitroaniline | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | 4-Nitrophenol | 0 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Acenaphthene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Acenaphthylene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Acetone | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Acidity, Total | 3.2 | MG/L | J | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Acrylonitrile | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Aldrin | 0 | UG/L | | 0.05 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Alkalinity, Total | 15 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | alpha-BHC | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | alpha-Chlordane | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Aluminum | 50.5 | UG/L | BQ1 | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Aluminum | 16.5 | UG/L | BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Aniline | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Anthracene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Azobenzene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Barium | 5.46 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Barium | 4.97 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Benzene | 0 | UG/L | | 0.4 | 0.12 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Benzo(a)anthracene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Benzo(a)pyrene | 0 | UG/L | J | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Benzo(b)fluoranthene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Benzo(g,h,i)perylene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Benzo(k)fluoranthene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Benzoic acid | 0 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Benzyl alcohol | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Benzyl butyl phthalate | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | beta-BHC | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | bis-(2-Chloroethoxy)methane | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | bis-(2-Chloroethyl)ether | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | bis(2-Chloroisopropyl)ether | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | bis-(2-Ethylhexyl)phthalate | 0 | UG/L | J | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Bromobenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Bromochloromethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Bromodichloromethane | 0 | UG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Bromoform | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Bromomethane | 0 | UG/L | | 3 | 0.94 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Calcium | 5480 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Calcium | 5600 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Carbon disulfide | 0 | UG/L | | 2 | 0.62 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Carbon tetrachloride | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Chloride | 1.12 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Chlorobenzene | 0 | UG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Chloroethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Chloroform | 0 | UG/L | | 1 | 0.3 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Chloromethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Chromium | 0.217 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Chromium | 0.25 | UG/L | BQ1 | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Chrysene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | cis-1,2-Dichloroethene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | cis-1,3-Dichloropropene | 0 | UG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Cobalt | 0.106 | UG/L | BQ1 | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Cobalt | 1.02 | UG/L | BQ1 | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Copper | 4.01 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Copper | 2.99 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | delta-BHC | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Dibenzo(a,h)anthracene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Dibenzofuran | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Dibromochloromethane | 0 | UG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Dibromomethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Dichlorodifluoromethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Dieldrin | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Diethyl phthalate | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Dimethyl phthalate | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |

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Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Di-n-butyl phthalate | 0 | UG/L | J | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Di-n-octyl phthalate | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Endosulfan I | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Endosulfan II | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Endosulfan sulfate | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Endrin | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Endrin aldehyde | 0 | UG/L | | 0.05 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Endrin ketone | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Ethylbenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Fluoranthene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Fluorene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Fluoride | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | gamma-BHC (Lindane) | 0 | UG/L | | 0.03 | 0.01 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | gamma-Chlordane | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Hardness as CaCO3 | 19.9 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Heptachlor | 0 | UG/L | | 0.1 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Heptachlor epoxide | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Hexachlorobenzene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Hexachlorobutadiene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Hexachlorobutadiene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Hexachlorocyclopentadiene | 0 | UG/L | | 30 | 9.4 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Hexachloroethane | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Indeno(1,2,3-cd)pyrene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Iron | 469 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Iron | 208 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Isophorone | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Isopropylbenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Lead | 0.111 | UG/L | J | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Magnesium | 1520 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Magnesium | 1550 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Manganese | 38.5 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |

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Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Manganese | 33.9 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Methoxychlor | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Methyl iodide | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Methylene chloride | 0 | UG/L | | 5 | 1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Methyl-tert-butyl ether (MTBE) | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Molybdenum | 0.578 | UG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Molybdenum | 0.583 | UG/L | J | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Naphthalene | 0 | UG/L | | 2 | 0.62 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Naphthalene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | n-Butylbenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Nickel | 0.422 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Nickel | 0.756 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Nitrobenzene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Nitrogen, Nitrate-Nitrite | 0.76 | MG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | n-Nitrosodimethylamine | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | n-Nitrosodi-n-propylamine | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | n-Nitrosodiphenylamine | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | n-Propylbenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | o-Xylene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Pentachlorophenol | 0 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | pH | 7.07 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Phenanthrene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Phenol | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Potassium | 425 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Potassium | 428 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Pyrene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | sec-Butylbenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Silicon | 5230 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Sodium | 2370 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Sodium | 2440 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Specific Conductance | 70 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Styrene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Sulfate | 12.9 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | tert-Butylbenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Tetrachloroethene (PCE) | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Thiocyanate | 0.28 | MG/L | J | 1 | 0.059 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Toluene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Total Dissolved Solids | 45 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Total Suspended Solids | 2.4 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Toxaphene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | trans-1,2-Dichloroethene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | trans-1,3-Dichloropropene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | trans-1,4-Dichloro-2-butene | 0 | UG/L | | 2 | 0.62 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Trichloroethene (TCE) | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Trichlorofluoromethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Vanadium | 0.313 | UG/L | J | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Vinyl acetate | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Vinyl chloride | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Xylene, Isomers m & p | 0 | UG/L | | 2 | 0.62 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Zinc | 1.65 | UG/L | BQ1 | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK100G | 10/16/2004 0:00 | 101604SK100GSW001 | Zinc | 2.73 | UG/L | BQ1 | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK115A | 8/27/2004 0:00 | 082704SK115ASW012 | Aluminum | 12.4 | UG/L | Not Validated | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK115A | 8/27/2004 0:00 | 082704SK115ASW032 | Aluminum | 9.24 | UG/L | Not Validated | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK115A | 8/27/2004 0:00 | 082704SK115ASW022 | Aluminum | 0 | UG/L | Not Validated | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK115A | 8/27/2004 0:00 | 082704SK115ASW002 | Aluminum | 8.02 | UG/L | Not Validated | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK115A | 8/27/2004 0:00 | 082704SK115ASW002 | Antimony | 0 | UG/L | Not Validated | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK115A | 8/27/2004 0:00 | 082704SK115ASW022 | Antimony | 0 | UG/L | Not Validated | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK115A | 8/27/2004 0:00 | 082704SK115ASW012 | Antimony | 0.131 | UG/L | Not Validated | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK115A | 8/27/2004 0:00 | 082704SK115ASW032 | Antimony | 0 | UG/L | Not Validated | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK115A | 8/27/2004 0:00 | 082704SK115ASW012 | Arsenic | 0 | UG/L | Not Validated | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK115A | 8/27/2004 0:00 | 082704SK115ASW032 | Arsenic | 0 | UG/L | Not Validated | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK115A | 8/27/2004 0:00 | 082704SK115ASW022 | Arsenic | 0 | UG/L | Not Validated | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK115A | 8/27/2004 0:00 | 082704SK115ASW002 | Arsenic | 0 | UG/L | Not Validated | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK115A | 8/27/2004 0:00 | 082704SK115ASW012 | Barium | 0 | UG/L | Not Validated | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK115A | 8/27/2004 0:00 | 082704SK115ASW032 | Barium | 0 | UG/L | Not Validated | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK115A | 8/27/2004 0:00 | 082704SK115ASW022 | Barium | 0 | UG/L | Not Validated | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK115A | 8/27/2004 0:00 | 082704SK115ASW002 | Barium | 0 | UG/L | Not Validated | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK115A | 8/27/2004 0:00 | 082704SK115ASW012 | Beryllium | 0 | UG/L | Not Validated | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK115A | 8/27/2004 0:00 | 082704SK115ASW032 | Beryllium | 0 | UG/L | Not Validated | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK115A | 8/27/2004 0:00 | 082704SK115ASW022 | Beryllium | 0 | UG/L | Not Validated | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK115A | 8/27/2004 0:00 | 082704SK115ASW002 | Beryllium | 0 | UG/L | Not Validated | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK115A | 8/27/2004 0:00 | 082704SK115ASW012 | Bismuth | 0 | UG/L | Not Validated | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK115A | 8/27/2004 0:00 | 082704SK115ASW032 | Bismuth | 0 | UG/L | Not Validated | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK115A | 8/27/2004 0:00 | 082704SK115ASW022 | Bismuth | 0 | UG/L | Not Validated | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK115A | 8/27/2004 0:00 | 082704SK115ASW002 | Bismuth | 0 | UG/L | Not Validated | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK115A | 8/27/2004 0:00 | 082704SK115ASW012 | Boron | 0 | UG/L | Not Validated | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK115A | 8/27/2004 0:00 | 082704SK115ASW032 | Boron | 0 | UG/L | Not Validated | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK115A | 8/27/2004 0:00 | 082704SK115ASW022 | Boron | 0 | UG/L | Not Validated | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK115A | 8/27/2004 0:00 | 082704SK115ASW002 | Boron | 0 | UG/L | Not Validated | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK115A | 8/27/2004 0:00 | 082704SK115ASW012 | Cadmium | 0 | UG/L | Not Validated | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK115A | 8/27/2004 0:00 | 082704SK115ASW032 | Cadmium | 0 | UG/L | Not Validated | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK115A | 8/27/2004 0:00 | 082704SK115ASW022 | Cadmium | 0 | UG/L | Not Validated | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK115A | 8/27/2004 0:00 | 082704SK115ASW002 | Cadmium | 0 | UG/L | Not Validated | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK115A | 8/27/2004 0:00 | 082704SK115ASW012 | Calcium | 0 | UG/L | Not Validated | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK115A | 8/27/2004 0:00 | 082704SK115ASW032 | Calcium | 0 | UG/L | Not Validated | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK115A | 8/27/2004 0:00 | 082704SK115ASW022 | Calcium | 0 | UG/L | Not Validated | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK115A | 8/27/2004 0:00 | 082704SK115ASW002 | Calcium | 0 | UG/L | Not Validated | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK115A | 8/27/2004 0:00 | 082704SK115ASW012 | Chromium | 0 | UG/L | Not Validated | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK115A | 8/27/2004 0:00 | 082704SK115ASW032 | Chromium | 0 | UG/L | Not Validated | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK115A | 8/27/2004 0:00 | 082704SK115ASW022 | Chromium | 0 | UG/L | Not Validated | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK115A | 8/27/2004 0:00 | 082704SK115ASW002 | Chromium | 0 | UG/L | Not Validated | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK115A | 8/27/2004 0:00 | 082704SK115ASW012 | Cobalt | 0 | UG/L | Not Validated | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK115A | 8/27/2004 0:00 | 082704SK115ASW032 | Cobalt | 0 | UG/L | Not Validated | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK115A | 8/27/2004 0:00 | 082704SK115ASW022 | Cobalt | 0.0323 | UG/L | Not Validated | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK115A | 8/27/2004 0:00 | 082704SK115ASW002 | Cobalt | 0 | UG/L | Not Validated | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK115A | 8/27/2004 0:00 | 082704SK115ASW012 | Copper | 0 | UG/L | Not Validated | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK115A | 8/27/2004 0:00 | 082704SK115ASW032 | Copper | 0.0632 | UG/L | Not Validated | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK115A | 8/27/2004 0:00 | 082704SK115ASW002 | Copper | 0 | UG/L | Not Validated | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK115A | 8/27/2004 0:00 | 082704SK115ASW022 | Copper | 0 | UG/L | Not Validated | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK115A | 8/27/2004 0:00 | 082704SK115ASW012 | Hardness as CaCO3 | 0 | MG/L | Not Validated | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK115A | 8/27/2004 0:00 | 082704SK115ASW032 | Hardness as CaCO3 | 0 | MG/L | Not Validated | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK115A | 8/27/2004 0:00 | 082704SK115ASW022 | Hardness as CaCO3 | 0 | MG/L | Not Validated | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK115A | 8/27/2004 0:00 | 082704SK115ASW002 | Hardness as CaCO3 | 0 | MG/L | Not Validated | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK115A | 8/27/2004 0:00 | 082704SK115ASW012 | Iron | 0 | UG/L | Not Validated | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK115A | 8/27/2004 0:00 | 082704SK115ASW032 | Iron | 13 | UG/L | Not Validated | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK115A | 8/27/2004 0:00 | 082704SK115ASW002 | Iron | 0 | UG/L | Not Validated | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK115A | 8/27/2004 0:00 | 082704SK115ASW022 | Iron | 0 | UG/L | Not Validated | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK115A | 8/27/2004 0:00 | 082704SK115ASW002 | Lead | 0 | UG/L | Not Validated | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK115A | 8/27/2004 0:00 | 082704SK115ASW012 | Lead | 0 | UG/L | Not Validated | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK115A | 8/27/2004 0:00 | 082704SK115ASW032 | Lead | 0 | UG/L | Not Validated | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK115A | 8/27/2004 0:00 | 082704SK115ASW022 | Lead | 0 | UG/L | Not Validated | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK115A | 8/27/2004 0:00 | 082704SK115ASW012 | Magnesium | 0 | UG/L | Not Validated | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK115A | 8/27/2004 0:00 | 082704SK115ASW032 | Magnesium | 0 | UG/L | Not Validated | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK115A | 8/27/2004 0:00 | 082704SK115ASW002 | Magnesium | 0 | UG/L | Not Validated | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK115A | 8/27/2004 0:00 | 082704SK115ASW022 | Magnesium | 0 | UG/L | Not Validated | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK115A | 8/27/2004 0:00 | 082704SK115ASW012 | Manganese | 0 | UG/L | Not Validated | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK115A | 8/27/2004 0:00 | 082704SK115ASW032 | Manganese | 0 | UG/L | Not Validated | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK115A | 8/27/2004 0:00 | 082704SK115ASW002 | Manganese | 0 | UG/L | Not Validated | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK115A | 8/27/2004 0:00 | 082704SK115ASW022 | Manganese | 0 | UG/L | Not Validated | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK115A | 8/27/2004 0:00 | 082704SK115ASW002 | Molybdenum | 0 | UG/L | Not Validated | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK115A | 8/27/2004 0:00 | 082704SK115ASW012 | Molybdenum | 0 | UG/L | Not Validated | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK115A | 8/27/2004 0:00 | 082704SK115ASW032 | Molybdenum | 0 | UG/L | Not Validated | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK115A | 8/27/2004 0:00 | 082704SK115ASW022 | Molybdenum | 0 | UG/L | Not Validated | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK115A | 8/27/2004 0:00 | 082704SK115ASW002 | Nickel | 0 | UG/L | Not Validated | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK115A | 8/27/2004 0:00 | 082704SK115ASW012 | Nickel | 0 | UG/L | Not Validated | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK115A | 8/27/2004 0:00 | 082704SK115ASW032 | Nickel | 0 | UG/L | Not Validated | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK115A | 8/27/2004 0:00 | 082704SK115ASW022 | Nickel | 0 | UG/L | Not Validated | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK115A | 8/27/2004 0:00 | 082704SK115ASW012 | Potassium | 0 | UG/L | Not Validated | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK115A | 8/27/2004 0:00 | 082704SK115ASW032 | Potassium | 0 | UG/L | Not Validated | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK115A | 8/27/2004 0:00 | 082704SK115ASW002 | Potassium | 0 | UG/L | Not Validated | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK115A | 8/27/2004 0:00 | 082704SK115ASW022 | Potassium | 0 | UG/L | Not Validated | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK115A | 8/27/2004 0:00 | 082704SK115ASW002 | Selenium | 0 | UG/L | Not Validated | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK115A | 8/27/2004 0:00 | 082704SK115ASW012 | Selenium | 0 | UG/L | Not Validated | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK115A | 8/27/2004 0:00 | 082704SK115ASW032 | Selenium | 0 | UG/L | Not Validated | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK115A | 8/27/2004 0:00 | 082704SK115ASW022 | Selenium | 0 | UG/L | Not Validated | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK115A | 8/27/2004 0:00 | 082704SK115ASW032 | Silicon | 0 | UG/L | Not Validated | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK115A | 8/27/2004 0:00 | 082704SK115ASW022 | Silicon | 0 | UG/L | Not Validated | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK115A | 8/27/2004 0:00 | 082704SK115ASW012 | Silver | 0 | UG/L | Not Validated | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK115A | 8/27/2004 0:00 | 082704SK115ASW032 | Silver | 0 | UG/L | Not Validated | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK115A | 8/27/2004 0:00 | 082704SK115ASW022 | Silver | 0 | UG/L | Not Validated | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK115A | 8/27/2004 0:00 | 082704SK115ASW002 | Silver | 0 | UG/L | Not Validated | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK115A | 8/27/2004 0:00 | 082704SK115ASW002 | Sodium | 0 | UG/L | Not Validated | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK115A | 8/27/2004 0:00 | 082704SK115ASW012 | Sodium | 44.2 | UG/L | Not Validated | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK115A | 8/27/2004 0:00 | 082704SK115ASW032 | Sodium | 57 | UG/L | Not Validated | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK115A | 8/27/2004 0:00 | 082704SK115ASW022 | Sodium | 0 | UG/L | Not Validated | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK115A | 8/27/2004 0:00 | 082704SK115ASW002 | Thallium | 0 | UG/L | Not Validated | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK115A | 8/27/2004 0:00 | 082704SK115ASW012 | Thallium | 0 | UG/L | Not Validated | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK115A | 8/27/2004 0:00 | 082704SK115ASW032 | Thallium | 0 | UG/L | Not Validated | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK115A | 8/27/2004 0:00 | 082704SK115ASW022 | Thallium | 0 | UG/L | Not Validated | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK115A | 8/27/2004 0:00 | 082704SK115ASW002 | Tin | 0 | UG/L | Not Validated | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK115A | 8/27/2004 0:00 | 082704SK115ASW012 | Tin | 0 | UG/L | Not Validated | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK115A | 8/27/2004 0:00 | 082704SK115ASW032 | Tin | 0 | UG/L | Not Validated | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK115A | 8/27/2004 0:00 | 082704SK115ASW022 | Tin | 0 | UG/L | Not Validated | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK115A | 8/27/2004 0:00 | 082704SK115ASW012 | Vanadium | 0 | UG/L | Not Validated | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK115A | 8/27/2004 0:00 | 082704SK115ASW032 | Vanadium | 0 | UG/L | Not Validated | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK115A | 8/27/2004 0:00 | 082704SK115ASW022 | Vanadium | 0 | UG/L | Not Validated | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK115A | 8/27/2004 0:00 | 082704SK115ASW002 | Vanadium | 0 | UG/L | Not Validated | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK115A | 8/27/2004 0:00 | 082704SK115ASW002 | Zinc | 0.59 | UG/L | Not Validated | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK115A | 8/27/2004 0:00 | 082704SK115ASW012 | Zinc | 0 | UG/L | Not Validated | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK115A | 8/27/2004 0:00 | 082704SK115ASW032 | Zinc | 0 | UG/L | Not Validated | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK115A | 8/27/2004 0:00 | 082704SK115ASW022 | Zinc | 0 | UG/L | Not Validated | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 8/15/2004 0:00 | 081504SK119ASW001 | Alkalinity, Total | 17.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 8/23/2004 0:00 | 082304SK119ASW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 8/23/2004 0:00 | 082304SK119ASW001 | Alkalinity, Total | 18 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 8/23/2004 0:00 | 082304SK119ASW001 | Aluminum | 16.7 | UG/L | BQ,BQ1,J | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 8/23/2004 0:00 | 082304SK119ASW001 | Aluminum | 15.8 | UG/L | BQ,BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 8/23/2004 0:00 | 082304SK119ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 8/23/2004 0:00 | 082304SK119ASW001 | Antimony | 0.144 | UG/L | BQ1,J | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 8/23/2004 0:00 | 082304SK119ASW001 | Arsenic | 0.288 | UG/L | J | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 8/23/2004 0:00 | 082304SK119ASW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 8/23/2004 0:00 | 082304SK119ASW001 | Barium | 2.5 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 8/23/2004 0:00 | 082304SK119ASW001 | Barium | 2.51 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 8/23/2004 0:00 | 082304SK119ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 8/23/2004 0:00 | 082304SK119ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 8/23/2004 0:00 | 082304SK119ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 8/23/2004 0:00 | 082304SK119ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 8/23/2004 0:00 | 082304SK119ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 8/23/2004 0:00 | 082304SK119ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 8/23/2004 0:00 | 082304SK119ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 8/23/2004 0:00 | 082304SK119ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 8/23/2004 0:00 | 082304SK119ASW001 | Calcium | 5050 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK119A | 8/23/2004 0:00 | 082304SK119ASW001 | Calcium | 4990 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 8/23/2004 0:00 | 082304SK119ASW001 | Chloride | 0.619 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 8/23/2004 0:00 | 082304SK119ASW001 | Chromium | 0.234 | UG/L | BQ1 | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 8/23/2004 0:00 | 082304SK119ASW001 | Chromium | 0.324 | UG/L | BQ1 | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 8/23/2004 0:00 | 082304SK119ASW001 | Cobalt | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 8/23/2004 0:00 | 082304SK119ASW001 | Cobalt | 0.105 | UG/L | BQ1 | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 8/23/2004 0:00 | 082304SK119ASW001 | Copper | 0.261 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 8/23/2004 0:00 | 082304SK119ASW001 | Copper | 0.294 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 8/23/2004 0:00 | 082304SK119ASW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 8/23/2004 0:00 | 082304SK119ASW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 8/23/2004 0:00 | 082304SK119ASW001 | Fluoride | 0.034 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 8/23/2004 0:00 | 082304SK119ASW001 | Hardness as CaCO3 | 15.7 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 8/23/2004 0:00 | 082304SK119ASW001 | Hardness as CaCO3 | 15.3 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 8/23/2004 0:00 | 082304SK119ASW001 | Iron | 18.9 | UG/L | BQ1,J | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 8/23/2004 0:00 | 082304SK119ASW001 | Iron | 21 | UG/L | BQ1 | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 8/23/2004 0:00 | 082304SK119ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 8/23/2004 0:00 | 082304SK119ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 8/23/2004 0:00 | 082304SK119ASW001 | Magnesium | 744 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 8/23/2004 0:00 | 082304SK119ASW001 | Magnesium | 688 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 8/23/2004 0:00 | 082304SK119ASW001 | Manganese | 2.89 | UG/L | BQ1 | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 8/23/2004 0:00 | 082304SK119ASW001 | Manganese | 2.59 | UG/L | BQ1 | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 8/23/2004 0:00 | 082304SK119ASW001 | Molybdenum | 0.419 | UG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 8/23/2004 0:00 | 082304SK119ASW001 | Molybdenum | 0.813 | UG/L | J | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 8/23/2004 0:00 | 082304SK119ASW001 | Nickel | 0.128 | UG/L | J | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 8/23/2004 0:00 | 082304SK119ASW001 | Nickel | 0.193 | UG/L | J | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 8/23/2004 0:00 | 082304SK119ASW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 8/23/2004 0:00 | 082304SK119ASW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 8/23/2004 0:00 | 082304SK119ASW001 | pH | 7.1 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 8/23/2004 0:00 | 082304SK119ASW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 8/23/2004 0:00 | 082304SK119ASW001 | Potassium | 165 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 8/23/2004 0:00 | 082304SK119ASW001 | Potassium | 163 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 8/23/2004 0:00 | 082304SK119ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK119A | 8/23/2004 0:00 | 082304SK119ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 8/23/2004 0:00 | 082304SK119ASW001 | Silicon | 5540 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 8/23/2004 0:00 | 082304SK119ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 8/23/2004 0:00 | 082304SK119ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 8/23/2004 0:00 | 082304SK119ASW001 | Sodium | 2250 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 8/23/2004 0:00 | 082304SK119ASW001 | Sodium | 2200 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 8/23/2004 0:00 | 082304SK119ASW001 | Specific Conductance | 47 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 8/23/2004 0:00 | 082304SK119ASW001 | Sulfate | 3.69 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 8/23/2004 0:00 | 082304SK119ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 8/23/2004 0:00 | 082304SK119ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 8/23/2004 0:00 | 082304SK119ASW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 8/23/2004 0:00 | 082304SK119ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 8/23/2004 0:00 | 082304SK119ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 8/23/2004 0:00 | 082304SK119ASW001 | Total Dissolved Solids | 31.3 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 8/23/2004 0:00 | 082304SK119ASW001 | Total Suspended Solids | 0.6 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 8/23/2004 0:00 | 082304SK119ASW001 | Vanadium | 0.731 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 8/23/2004 0:00 | 082304SK119ASW001 | Vanadium | 0.662 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 8/23/2004 0:00 | 082304SK119ASW001 | Zinc | 0.853 | UG/L | BQ1,J | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 8/23/2004 0:00 | 082304SK119ASW001 | Zinc | 0.993 | UG/L | BQ1,J | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 9/13/2004 0:00 | 091304SK119ASW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 9/13/2004 0:00 | 091304SK119ASW001 | Alkalinity, Total | 20.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 9/13/2004 0:00 | 091304SK119ASW001 | Aluminum | 13.4 | UG/L | BQ1,J | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 9/13/2004 0:00 | 091304SK119ASW001 | Aluminum | 13.2 | UG/L | BQ,BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 9/13/2004 0:00 | 091304SK119ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 9/13/2004 0:00 | 091304SK119ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 9/13/2004 0:00 | 091304SK119ASW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 9/13/2004 0:00 | 091304SK119ASW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 9/13/2004 0:00 | 091304SK119ASW001 | Barium | 2.62 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 9/13/2004 0:00 | 091304SK119ASW001 | Barium | 2.47 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 9/13/2004 0:00 | 091304SK119ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 9/13/2004 0:00 | 091304SK119ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 9/13/2004 0:00 | 091304SK119ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK119A | 9/13/2004 0:00 | 091304SK119ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 9/13/2004 0:00 | 091304SK119ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 9/13/2004 0:00 | 091304SK119ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 9/13/2004 0:00 | 091304SK119ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 9/13/2004 0:00 | 091304SK119ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 9/13/2004 0:00 | 091304SK119ASW001 | Calcium | 5360 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 9/13/2004 0:00 | 091304SK119ASW001 | Calcium | 4620 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 9/13/2004 0:00 | 091304SK119ASW001 | Chloride | 0.687 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 9/13/2004 0:00 | 091304SK119ASW001 | Chromium | 0.163 | UG/L | J | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 9/13/2004 0:00 | 091304SK119ASW001 | Chromium | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 9/13/2004 0:00 | 091304SK119ASW001 | Cobalt | 0.133 | UG/L | J,BQ1 | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 9/13/2004 0:00 | 091304SK119ASW001 | Cobalt | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 9/13/2004 0:00 | 091304SK119ASW001 | Copper | 0.222 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 9/13/2004 0:00 | 091304SK119ASW001 | Copper | 0.212 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 9/13/2004 0:00 | 091304SK119ASW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 9/13/2004 0:00 | 091304SK119ASW001 | Cyanide, Weak Acid Dissociable | 0.0036 | MG/L | J | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 9/13/2004 0:00 | 091304SK119ASW001 | Fluoride | 0.042 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 9/13/2004 0:00 | 091304SK119ASW001 | Hardness as CaCO3 | 16.3 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 9/13/2004 0:00 | 091304SK119ASW001 | Hardness as CaCO3 | 14.7 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 9/13/2004 0:00 | 091304SK119ASW001 | Iron | 50.7 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 9/13/2004 0:00 | 091304SK119ASW001 | Iron | 49.2 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 9/13/2004 0:00 | 091304SK119ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 9/13/2004 0:00 | 091304SK119ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 9/13/2004 0:00 | 091304SK119ASW001 | Magnesium | 706 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 9/13/2004 0:00 | 091304SK119ASW001 | Magnesium | 756 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 9/13/2004 0:00 | 091304SK119ASW001 | Manganese | 2.28 | UG/L | BQ1 | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 9/13/2004 0:00 | 091304SK119ASW001 | Manganese | 1.81 | UG/L | BQ1 | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 9/13/2004 0:00 | 091304SK119ASW001 | Molybdenum | 0.488 | UG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 9/13/2004 0:00 | 091304SK119ASW001 | Molybdenum | 0.475 | UG/L | J | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 9/13/2004 0:00 | 091304SK119ASW001 | Nickel | 0.0982 | UG/L | BQ1,J | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 9/13/2004 0:00 | 091304SK119ASW001 | Nickel | 0.257 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 9/13/2004 0:00 | 091304SK119ASW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK119A | 9/13/2004 0:00 | 091304SK119ASW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 9/13/2004 0:00 | 091304SK119ASW001 | pH | 7.58 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 9/13/2004 0:00 | 091304SK119ASW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 9/13/2004 0:00 | 091304SK119ASW001 | Potassium | 155 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 9/13/2004 0:00 | 091304SK119ASW001 | Potassium | 155 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 9/13/2004 0:00 | 091304SK119ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 9/13/2004 0:00 | 091304SK119ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 9/13/2004 0:00 | 091304SK119ASW001 | Silicon | 5580 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 9/13/2004 0:00 | 091304SK119ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 9/13/2004 0:00 | 091304SK119ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 9/13/2004 0:00 | 091304SK119ASW001 | Sodium | 2190 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 9/13/2004 0:00 | 091304SK119ASW001 | Sodium | 2260 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 9/13/2004 0:00 | 091304SK119ASW001 | Specific Conductance | 49 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 9/13/2004 0:00 | 091304SK119ASW001 | Sulfate | 3.8 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 9/13/2004 0:00 | 091304SK119ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 9/13/2004 0:00 | 091304SK119ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 9/13/2004 0:00 | 091304SK119ASW001 | Thiocyanate | 0.26 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 9/13/2004 0:00 | 091304SK119ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 9/13/2004 0:00 | 091304SK119ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 9/13/2004 0:00 | 091304SK119ASW001 | Total Dissolved Solids | 50 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 9/13/2004 0:00 | 091304SK119ASW001 | Total Suspended Solids | 0.4 | MG/L | J | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 9/13/2004 0:00 | 091304SK119ASW001 | Vanadium | 0.598 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 9/13/2004 0:00 | 091304SK119ASW001 | Vanadium | 0.586 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 9/13/2004 0:00 | 091304SK119ASW001 | Zinc | 0.787 | UG/L | BQ1,J | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 9/13/2004 0:00 | 091304SK119ASW001 | Zinc | 0.476 | UG/L | BQ1,J | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 10/18/2004 0:00 | 101804SK119ASW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 10/18/2004 0:00 | 101804SK119ASW001 | Alkalinity, Total | 12 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 10/18/2004 0:00 | 101804SK119ASW001 | Aluminum | 42.9 | UG/L | BQ,BQ1 | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 10/18/2004 0:00 | 101804SK119ASW001 | Aluminum | 13.2 | UG/L | BQ,BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 10/18/2004 0:00 | 101804SK119ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 10/18/2004 0:00 | 101804SK119ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 10/18/2004 0:00 | 101804SK119ASW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK119A | 10/18/2004 0:00 | 101804SK119ASW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 10/18/2004 0:00 | 101804SK119ASW001 | Barium | 2.12 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 10/18/2004 0:00 | 101804SK119ASW001 | Barium | 1.96 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 10/18/2004 0:00 | 101804SK119ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 10/18/2004 0:00 | 101804SK119ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 10/18/2004 0:00 | 101804SK119ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 10/18/2004 0:00 | 101804SK119ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 10/18/2004 0:00 | 101804SK119ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 10/18/2004 0:00 | 101804SK119ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 10/18/2004 0:00 | 101804SK119ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 10/18/2004 0:00 | 101804SK119ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 10/18/2004 0:00 | 101804SK119ASW001 | Calcium | 3570 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 10/18/2004 0:00 | 101804SK119ASW001 | Calcium | 3560 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 10/18/2004 0:00 | 101804SK119ASW001 | Chloride | 0.926 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 10/18/2004 0:00 | 101804SK119ASW001 | Chromium | 0.199 | UG/L | J | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 10/18/2004 0:00 | 101804SK119ASW001 | Chromium | 0.179 | UG/L | BQ1,J | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 10/18/2004 0:00 | 101804SK119ASW001 | Cobalt | 0 | UG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 10/18/2004 0:00 | 101804SK119ASW001 | Cobalt | 0.654 | UG/L | BQ1,J | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 10/18/2004 0:00 | 101804SK119ASW001 | Copper | 1.26 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 10/18/2004 0:00 | 101804SK119ASW001 | Copper | 0.312 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 10/18/2004 0:00 | 101804SK119ASW001 | Cyanide | 0.003 | MG/L | J | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 10/18/2004 0:00 | 101804SK119ASW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 10/18/2004 0:00 | 101804SK119ASW001 | Fluoride | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 10/18/2004 0:00 | 101804SK119ASW001 | Hardness as CaCO3 | 11.2 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 10/18/2004 0:00 | 101804SK119ASW001 | Iron | 16.4 | UG/L | J | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 10/18/2004 0:00 | 101804SK119ASW001 | Iron | 7.48 | UG/L | J | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 10/18/2004 0:00 | 101804SK119ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 10/18/2004 0:00 | 101804SK119ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 10/18/2004 0:00 | 101804SK119ASW001 | Magnesium | 555 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 10/18/2004 0:00 | 101804SK119ASW001 | Magnesium | 551 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 10/18/2004 0:00 | 101804SK119ASW001 | Manganese | 1.46 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 10/18/2004 0:00 | 101804SK119ASW001 | Manganese | 1.99 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |

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Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK119A | 10/18/2004 0:00 | 101804SK119ASW001 | Molybdenum | 0.311 | UG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 10/18/2004 0:00 | 101804SK119ASW001 | Molybdenum | 0.322 | UG/L | J | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 10/18/2004 0:00 | 101804SK119ASW001 | Nickel | 0.108 | UG/L | J | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 10/18/2004 0:00 | 101804SK119ASW001 | Nickel | 0.299 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 10/18/2004 0:00 | 101804SK119ASW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 10/18/2004 0:00 | 101804SK119ASW001 | Nitrogen, Nitrate-Nitrite | 0.49 | MG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 10/18/2004 0:00 | 101804SK119ASW001 | pH | 7.11 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 10/18/2004 0:00 | 101804SK119ASW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 10/18/2004 0:00 | 101804SK119ASW001 | Potassium | 129 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 10/18/2004 0:00 | 101804SK119ASW001 | Potassium | 129 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 10/18/2004 0:00 | 101804SK119ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 10/18/2004 0:00 | 101804SK119ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 10/18/2004 0:00 | 101804SK119ASW001 | Silicon | 4990 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 10/18/2004 0:00 | 101804SK119ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 10/18/2004 0:00 | 101804SK119ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 10/18/2004 0:00 | 101804SK119ASW001 | Sodium | 1800 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 10/18/2004 0:00 | 101804SK119ASW001 | Sodium | 1790 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 10/18/2004 0:00 | 101804SK119ASW001 | Specific Conductance | 38 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 10/18/2004 0:00 | 101804SK119ASW001 | Sulfate | 3.27 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 10/18/2004 0:00 | 101804SK119ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 10/18/2004 0:00 | 101804SK119ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 10/18/2004 0:00 | 101804SK119ASW001 | Thiocyanate | 0.21 | MG/L | J | 1 | 0.059 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 10/18/2004 0:00 | 101804SK119ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 10/18/2004 0:00 | 101804SK119ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 10/18/2004 0:00 | 101804SK119ASW001 | Total Dissolved Solids | 20 | MG/L | BQ | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 10/18/2004 0:00 | 101804SK119ASW001 | Total Suspended Solids | 0.2 | MG/L | J | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 10/18/2004 0:00 | 101804SK119ASW001 | Vanadium | 0.342 | UG/L | J | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 10/18/2004 0:00 | 101804SK119ASW001 | Vanadium | 0.454 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK119A | 10/18/2004 0:00 | 101804SK119ASW001 | Zinc | 1.01 | UG/L | BQ1,J | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK119A | 10/18/2004 0:00 | 101804SK119ASW001 | Zinc | 1.54 | UG/L | BQ1 | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 8/26/2004 0:00 | 082604SK131ASW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 8/26/2004 0:00 | 082604SK131ASW001 | Alkalinity, Total | 11.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK131A | 8/26/2004 0:00 | 082604SK131ASW001 | Aluminum | 11.8 | UG/L | BQ,BQ1,J | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 8/26/2004 0:00 | 082604SK131ASW001 | Aluminum | 11.2 | UG/L | BQ,BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 8/26/2004 0:00 | 082604SK131ASW001 | Antimony | 0.169 | UG/L | BQ1,J | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 8/26/2004 0:00 | 082604SK131ASW001 | Antimony | 0.229 | UG/L | BQ1 | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 8/26/2004 0:00 | 082604SK131ASW001 | Arsenic | 0.95 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 8/26/2004 0:00 | 082604SK131ASW001 | Arsenic | 0.928 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 8/26/2004 0:00 | 082604SK131ASW001 | Barium | 2.05 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 8/26/2004 0:00 | 082604SK131ASW001 | Barium | 1.82 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 8/26/2004 0:00 | 082604SK131ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 8/26/2004 0:00 | 082604SK131ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 8/26/2004 0:00 | 082604SK131ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 8/26/2004 0:00 | 082604SK131ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 8/26/2004 0:00 | 082604SK131ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 8/26/2004 0:00 | 082604SK131ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 8/26/2004 0:00 | 082604SK131ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 8/26/2004 0:00 | 082604SK131ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 8/26/2004 0:00 | 082604SK131ASW001 | Calcium | 2610 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 8/26/2004 0:00 | 082604SK131ASW001 | Calcium | 2580 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 8/26/2004 0:00 | 082604SK131ASW001 | Chloride | 0.686 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 8/26/2004 0:00 | 082604SK131ASW001 | Chromium | 0.16 | UG/L | BQ1,J | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 8/26/2004 0:00 | 082604SK131ASW001 | Chromium | 0.141 | UG/L | BQ1,J | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 8/26/2004 0:00 | 082604SK131ASW001 | Cobalt | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 8/26/2004 0:00 | 082604SK131ASW001 | Cobalt | 0.49 | UG/L | BQ1 | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 8/26/2004 0:00 | 082604SK131ASW001 | Copper | 0.123 | UG/L | BQ1,J | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 8/26/2004 0:00 | 082604SK131ASW001 | Copper | 0.148 | UG/L | BQ1,J | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 8/26/2004 0:00 | 082604SK131ASW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 8/26/2004 0:00 | 082604SK131ASW001 | Cyanide, Weak Acid Dissociable | 0.0027 | MG/L | J | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 8/26/2004 0:00 | 082604SK131ASW001 | Fluoride | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 8/26/2004 0:00 | 082604SK131ASW001 | Hardness as CaCO3 | 8.26 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 8/26/2004 0:00 | 082604SK131ASW001 | Hardness as CaCO3 | 8.21 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 8/26/2004 0:00 | 082604SK131ASW001 | Iron | 0 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 8/26/2004 0:00 | 082604SK131ASW001 | Iron | 0 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK131A | 8/26/2004 0:00 | 082604SK131ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 8/26/2004 0:00 | 082604SK131ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 8/26/2004 0:00 | 082604SK131ASW001 | Magnesium | 422 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 8/26/2004 0:00 | 082604SK131ASW001 | Magnesium | 430 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 8/26/2004 0:00 | 082604SK131ASW001 | Manganese | 0 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 8/26/2004 0:00 | 082604SK131ASW001 | Manganese | 1.05 | UG/L | BQ1 | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 8/26/2004 0:00 | 082604SK131ASW001 | Molybdenum | 0.342 | UG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 8/26/2004 0:00 | 082604SK131ASW001 | Molybdenum | 0.324 | UG/L | J | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 8/26/2004 0:00 | 082604SK131ASW001 | Nickel | 0.0681 | UG/L | J | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 8/26/2004 0:00 | 082604SK131ASW001 | Nickel | 0 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 8/26/2004 0:00 | 082604SK131ASW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 8/26/2004 0:00 | 082604SK131ASW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 8/26/2004 0:00 | 082604SK131ASW001 | pH | 7.62 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 8/26/2004 0:00 | 082604SK131ASW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 8/26/2004 0:00 | 082604SK131ASW001 | Potassium | 191 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 8/26/2004 0:00 | 082604SK131ASW001 | Potassium | 204 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 8/26/2004 0:00 | 082604SK131ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 8/26/2004 0:00 | 082604SK131ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 8/26/2004 0:00 | 082604SK131ASW001 | Silicon | 5500 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 8/26/2004 0:00 | 082604SK131ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 8/26/2004 0:00 | 082604SK131ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 8/26/2004 0:00 | 082604SK131ASW001 | Sodium | 1720 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 8/26/2004 0:00 | 082604SK131ASW001 | Sodium | 1830 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 8/26/2004 0:00 | 082604SK131ASW001 | Specific Conductance | 26 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 8/26/2004 0:00 | 082604SK131ASW001 | Sulfate | 0.809 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 8/26/2004 0:00 | 082604SK131ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 8/26/2004 0:00 | 082604SK131ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 8/26/2004 0:00 | 082604SK131ASW001 | Thiocyanate | 0.14 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 8/26/2004 0:00 | 082604SK131ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 8/26/2004 0:00 | 082604SK131ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 8/26/2004 0:00 | 082604SK131ASW001 | Total Dissolved Solids | 28.8 | MG/L | BQ | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 8/26/2004 0:00 | 082604SK131ASW001 | Total Suspended Solids | 0.8 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK131A | 8/26/2004 0:00 | 082604SK131ASW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 8/26/2004 0:00 | 082604SK131ASW001 | Vanadium | 0.408 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 8/26/2004 0:00 | 082604SK131ASW001 | Zinc | 0.551 | UG/L | BQ1,J | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 8/26/2004 0:00 | 082604SK131ASW001 | Zinc | 0.518 | UG/L | BQ1,J | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 9/15/2004 0:00 | 091504SK131ASW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 9/15/2004 0:00 | 091504SK131ASW001 | Alkalinity, Total | 11.25 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 9/15/2004 0:00 | 091504SK131ASW001 | Aluminum | 16.5 | UG/L | BQ,BQ1,J | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 9/15/2004 0:00 | 091504SK131ASW001 | Aluminum | 15.2 | UG/L | BQ,BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 9/15/2004 0:00 | 091504SK131ASW001 | Antimony | 0.159 | UG/L | BQ,J | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 9/15/2004 0:00 | 091504SK131ASW001 | Antimony | 0.207 | UG/L | BQ | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 9/15/2004 0:00 | 091504SK131ASW001 | Arsenic | 0.923 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 9/15/2004 0:00 | 091504SK131ASW001 | Arsenic | 1.04 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 9/15/2004 0:00 | 091504SK131ASW001 | Barium | 2.3 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 9/15/2004 0:00 | 091504SK131ASW001 | Barium | 2.01 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 9/15/2004 0:00 | 091504SK131ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 9/15/2004 0:00 | 091504SK131ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 9/15/2004 0:00 | 091504SK131ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 9/15/2004 0:00 | 091504SK131ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 9/15/2004 0:00 | 091504SK131ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 9/15/2004 0:00 | 091504SK131ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 9/15/2004 0:00 | 091504SK131ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 9/15/2004 0:00 | 091504SK131ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 9/15/2004 0:00 | 091504SK131ASW001 | Calcium | 2540 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 9/15/2004 0:00 | 091504SK131ASW001 | Calcium | 2520 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 9/15/2004 0:00 | 091504SK131ASW001 | Chloride | 0.702 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 9/15/2004 0:00 | 091504SK131ASW001 | Chromium | 0.201 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 9/15/2004 0:00 | 091504SK131ASW001 | Chromium | 0.134 | UG/L | J | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 9/15/2004 0:00 | 091504SK131ASW001 | Cobalt | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 9/15/2004 0:00 | 091504SK131ASW001 | Cobalt | 0.49 | UG/L | J,BQ1 | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 9/15/2004 0:00 | 091504SK131ASW001 | Copper | 0.251 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 9/15/2004 0:00 | 091504SK131ASW001 | Copper | 0.157 | UG/L | BQ1,J | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 9/15/2004 0:00 | 091504SK131ASW001 | Cyanide | 0.003 | MG/L | BQ,J | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK131A | 9/15/2004 0:00 | 091504SK131ASW001 | Cyanide, Weak Acid Dissociable | 0.0039 | MG/L | J | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 9/15/2004 0:00 | 091504SK131ASW001 | Fluoride | 0.11 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 9/15/2004 0:00 | 091504SK131ASW001 | Hardness as CaCO3 | 8.01 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 9/15/2004 0:00 | 091504SK131ASW001 | Hardness as CaCO3 | 8 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 9/15/2004 0:00 | 091504SK131ASW001 | Iron | 30.5 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 9/15/2004 0:00 | 091504SK131ASW001 | Iron | 22.5 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 9/15/2004 0:00 | 091504SK131ASW001 | Lead | 0.136 | UG/L | J | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 9/15/2004 0:00 | 091504SK131ASW001 | Lead | 0.101 | UG/L | J | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 9/15/2004 0:00 | 091504SK131ASW001 | Magnesium | 404 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 9/15/2004 0:00 | 091504SK131ASW001 | Magnesium | 414 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 9/15/2004 0:00 | 091504SK131ASW001 | Manganese | 0.511 | UG/L | BQ1,J | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 9/15/2004 0:00 | 091504SK131ASW001 | Manganese | 1.04 | UG/L | BQ1 | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 9/15/2004 0:00 | 091504SK131ASW001 | Molybdenum | 0.388 | UG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 9/15/2004 0:00 | 091504SK131ASW001 | Molybdenum | 0.368 | UG/L | J | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 9/15/2004 0:00 | 091504SK131ASW001 | Nickel | 0.106 | UG/L | BQ1,J | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 9/15/2004 0:00 | 091504SK131ASW001 | Nickel | 0.264 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 9/15/2004 0:00 | 091504SK131ASW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 9/15/2004 0:00 | 091504SK131ASW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 9/15/2004 0:00 | 091504SK131ASW001 | pH | 7.34 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 9/15/2004 0:00 | 091504SK131ASW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 9/15/2004 0:00 | 091504SK131ASW001 | Potassium | 169 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 9/15/2004 0:00 | 091504SK131ASW001 | Potassium | 159 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 9/15/2004 0:00 | 091504SK131ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 9/15/2004 0:00 | 091504SK131ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 9/15/2004 0:00 | 091504SK131ASW001 | Silicon | 5510 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 9/15/2004 0:00 | 091504SK131ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 9/15/2004 0:00 | 091504SK131ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 9/15/2004 0:00 | 091504SK131ASW001 | Sodium | 1750 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 9/15/2004 0:00 | 091504SK131ASW001 | Sodium | 1780 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 9/15/2004 0:00 | 091504SK131ASW001 | Specific Conductance | 26 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 9/15/2004 0:00 | 091504SK131ASW001 | Sulfate | 0.842 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 9/15/2004 0:00 | 091504SK131ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK131A | 9/15/2004 0:00 | 091504SK131ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 9/15/2004 0:00 | 091504SK131ASW001 | Thiocyanate | 0.24 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 9/15/2004 0:00 | 091504SK131ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 9/15/2004 0:00 | 091504SK131ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 9/15/2004 0:00 | 091504SK131ASW001 | Total Dissolved Solids | 41.3 | MG/L | BQ | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 9/15/2004 0:00 | 091504SK131ASW001 | Total Suspended Solids | 0.6 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 9/15/2004 0:00 | 091504SK131ASW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 9/15/2004 0:00 | 091504SK131ASW001 | Vanadium | 0.273 | UG/L | J | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 9/15/2004 0:00 | 091504SK131ASW001 | Zinc | 1.37 | UG/L | BQ1,J | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 9/15/2004 0:00 | 091504SK131ASW001 | Zinc | 10.3 | UG/L | J | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 10/15/2004 0:00 | 101504SK131ASW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 10/15/2004 0:00 | 101504SK131ASW001 | Alkalinity, Total | 7 | MG/L | J | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 10/15/2004 0:00 | 101504SK131ASW001 | Aluminum | 31 | UG/L | BQ1 | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 10/15/2004 0:00 | 101504SK131ASW001 | Aluminum | 17.1 | UG/L | BQ,BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 10/15/2004 0:00 | 101504SK131ASW001 | Antimony | 0.166 | UG/L | J | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 10/15/2004 0:00 | 101504SK131ASW001 | Antimony | 0.169 | UG/L | J | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 10/15/2004 0:00 | 101504SK131ASW001 | Arsenic | 1.03 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 10/15/2004 0:00 | 101504SK131ASW001 | Arsenic | 0.967 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 10/15/2004 0:00 | 101504SK131ASW001 | Barium | 2.17 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 10/15/2004 0:00 | 101504SK131ASW001 | Barium | 1.87 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 10/15/2004 0:00 | 101504SK131ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 10/15/2004 0:00 | 101504SK131ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 10/15/2004 0:00 | 101504SK131ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 10/15/2004 0:00 | 101504SK131ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 10/15/2004 0:00 | 101504SK131ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 10/15/2004 0:00 | 101504SK131ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 10/15/2004 0:00 | 101504SK131ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 10/15/2004 0:00 | 101504SK131ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 10/15/2004 0:00 | 101504SK131ASW001 | Calcium | 2270 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 10/15/2004 0:00 | 101504SK131ASW001 | Calcium | 1870 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 10/15/2004 0:00 | 101504SK131ASW001 | Chloride | 0.895 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 10/15/2004 0:00 | 101504SK131ASW001 | Chromium | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK131A | 10/15/2004 0:00 | 101504SK131ASW001 | Chromium | 0.144 | UG/L | BQ1,J | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 10/15/2004 0:00 | 101504SK131ASW001 | Cobalt | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 10/15/2004 0:00 | 101504SK131ASW001 | Cobalt | 0.597 | UG/L | BQ1 | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 10/15/2004 0:00 | 101504SK131ASW001 | Copper | 0.377 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 10/15/2004 0:00 | 101504SK131ASW001 | Copper | 0.169 | UG/L | BQ1,J | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 10/15/2004 0:00 | 101504SK131ASW001 | Cyanide | 0.0047 | MG/L | BQ,J | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 10/15/2004 0:00 | 101504SK131ASW001 | Cyanide, Weak Acid Dissociable | 0.003 | MG/L | BQ,J | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 10/15/2004 0:00 | 101504SK131ASW001 | Fluoride | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 10/15/2004 0:00 | 101504SK131ASW001 | Hardness as CaCO3 | 6.98 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 10/15/2004 0:00 | 101504SK131ASW001 | Iron | 13.1 | UG/L | J | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 10/15/2004 0:00 | 101504SK131ASW001 | Iron | 0 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 10/15/2004 0:00 | 101504SK131ASW001 | Lead | 0.588 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 10/15/2004 0:00 | 101504SK131ASW001 | Lead | 0.172 | UG/L | J | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 10/15/2004 0:00 | 101504SK131ASW001 | Magnesium | 319 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 10/15/2004 0:00 | 101504SK131ASW001 | Magnesium | 301 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 10/15/2004 0:00 | 101504SK131ASW001 | Manganese | 0.737 | UG/L | J | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 10/15/2004 0:00 | 101504SK131ASW001 | Manganese | 1.22 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 10/15/2004 0:00 | 101504SK131ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 10/15/2004 0:00 | 101504SK131ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 10/15/2004 0:00 | 101504SK131ASW001 | Nickel | 0.0827 | UG/L | J | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 10/15/2004 0:00 | 101504SK131ASW001 | Nickel | 0.263 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 10/15/2004 0:00 | 101504SK131ASW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 10/15/2004 0:00 | 101504SK131ASW001 | Nitrogen, Nitrate-Nitrite | 0.37 | MG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 10/15/2004 0:00 | 101504SK131ASW001 | pH | 7.11 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 10/15/2004 0:00 | 101504SK131ASW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 10/15/2004 0:00 | 101504SK131ASW001 | Potassium | 157 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 10/15/2004 0:00 | 101504SK131ASW001 | Potassium | 130 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 10/15/2004 0:00 | 101504SK131ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 10/15/2004 0:00 | 101504SK131ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 10/15/2004 0:00 | 101504SK131ASW001 | Silicon | 4980 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 10/15/2004 0:00 | 101504SK131ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 10/15/2004 0:00 | 101504SK131ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK131A | 10/15/2004 0:00 | 101504SK131ASW001 | Sodium | 1570 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 10/15/2004 0:00 | 101504SK131ASW001 | Sodium | 1450 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 10/15/2004 0:00 | 101504SK131ASW001 | Specific Conductance | 22 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 10/15/2004 0:00 | 101504SK131ASW001 | Sulfate | 2.13 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 10/15/2004 0:00 | 101504SK131ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 10/15/2004 0:00 | 101504SK131ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 10/15/2004 0:00 | 101504SK131ASW001 | Thiocyanate | 0.14 | MG/L | | 1 | 0.059 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 10/15/2004 0:00 | 101504SK131ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 10/15/2004 0:00 | 101504SK131ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 10/15/2004 0:00 | 101504SK131ASW001 | Total Dissolved Solids | 25 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 10/15/2004 0:00 | 101504SK131ASW001 | Total Suspended Solids | 0.5 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 10/15/2004 0:00 | 101504SK131ASW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 10/15/2004 0:00 | 101504SK131ASW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK131A | 10/15/2004 0:00 | 101504SK131ASW001 | Zinc | 3.01 | UG/L | BQ1 | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK131A | 10/15/2004 0:00 | 101504SK131ASW001 | Zinc | 2.38 | UG/L | BQ1 | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 8/26/2004 0:00 | 082604SK133ASW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 8/26/2004 0:00 | 082604SK133ASW001 | Alkalinity, Total | 36 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 8/26/2004 0:00 | 082604SK133ASW001 | Aluminum | 32 | UG/L | BQ,BQ1 | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 8/26/2004 0:00 | 082604SK133ASW001 | Aluminum | 13.4 | UG/L | BQ,BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 8/26/2004 0:00 | 082604SK133ASW001 | Antimony | 0.146 | UG/L | BQ1,J | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 8/26/2004 0:00 | 082604SK133ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 8/26/2004 0:00 | 082604SK133ASW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 8/26/2004 0:00 | 082604SK133ASW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 8/26/2004 0:00 | 082604SK133ASW001 | Barium | 7.71 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 8/26/2004 0:00 | 082604SK133ASW001 | Barium | 7.14 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 8/26/2004 0:00 | 082604SK133ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 8/26/2004 0:00 | 082604SK133ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 8/26/2004 0:00 | 082604SK133ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 8/26/2004 0:00 | 082604SK133ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 8/26/2004 0:00 | 082604SK133ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 8/26/2004 0:00 | 082604SK133ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 8/26/2004 0:00 | 082604SK133ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK133A | 8/26/2004 0:00 | 082604SK133ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 8/26/2004 0:00 | 082604SK133ASW001 | Calcium | 11300 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 8/26/2004 0:00 | 082604SK133ASW001 | Calcium | 11000 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 8/26/2004 0:00 | 082604SK133ASW001 | Chloride | 0.868 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 8/26/2004 0:00 | 082604SK133ASW001 | Chromium | 0.181 | UG/L | BQ1,J | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 8/26/2004 0:00 | 082604SK133ASW001 | Chromium | 0.209 | UG/L | BQ1 | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 8/26/2004 0:00 | 082604SK133ASW001 | Cobalt | 0.0725 | UG/L | BQ1,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 8/26/2004 0:00 | 082604SK133ASW001 | Cobalt | 1.59 | UG/L | BQ1 | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 8/26/2004 0:00 | 082604SK133ASW001 | Copper | 0.8 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 8/26/2004 0:00 | 082604SK133ASW001 | Copper | 0.625 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 8/26/2004 0:00 | 082604SK133ASW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 8/26/2004 0:00 | 082604SK133ASW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 8/26/2004 0:00 | 082604SK133ASW001 | Fluoride | 0.115 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 8/26/2004 0:00 | 082604SK133ASW001 | Hardness as CaCO3 | 38.1 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 8/26/2004 0:00 | 082604SK133ASW001 | Hardness as CaCO3 | 37.2 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 8/26/2004 0:00 | 082604SK133ASW001 | Iron | 323 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 8/26/2004 0:00 | 082604SK133ASW001 | Iron | 218 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 8/26/2004 0:00 | 082604SK133ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 8/26/2004 0:00 | 082604SK133ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 8/26/2004 0:00 | 082604SK133ASW001 | Magnesium | 2430 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 8/26/2004 0:00 | 082604SK133ASW001 | Magnesium | 2370 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 8/26/2004 0:00 | 082604SK133ASW001 | Manganese | 22.1 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 8/26/2004 0:00 | 082604SK133ASW001 | Manganese | 20.3 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 8/26/2004 0:00 | 082604SK133ASW001 | Molybdenum | 0.586 | UG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 8/26/2004 0:00 | 082604SK133ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 8/26/2004 0:00 | 082604SK133ASW001 | Nickel | 0.423 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 8/26/2004 0:00 | 082604SK133ASW001 | Nickel | 0.418 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 8/26/2004 0:00 | 082604SK133ASW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 8/26/2004 0:00 | 082604SK133ASW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 8/26/2004 0:00 | 082604SK133ASW001 | pH | 7.69 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 8/26/2004 0:00 | 082604SK133ASW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 8/26/2004 0:00 | 082604SK133ASW001 | Potassium | 731 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK133A | 8/26/2004 0:00 | 082604SK133ASW001 | Potassium | 726 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 8/26/2004 0:00 | 082604SK133ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 8/26/2004 0:00 | 082604SK133ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 8/26/2004 0:00 | 082604SK133ASW001 | Silicon | 6790 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 8/26/2004 0:00 | 082604SK133ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 8/26/2004 0:00 | 082604SK133ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 8/26/2004 0:00 | 082604SK133ASW001 | Sodium | 2170 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 8/26/2004 0:00 | 082604SK133ASW001 | Sodium | 2010 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 8/26/2004 0:00 | 082604SK133ASW001 | Specific Conductance | 100 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 8/26/2004 0:00 | 082604SK133ASW001 | Sulfate | 10.5 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 8/26/2004 0:00 | 082604SK133ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 8/26/2004 0:00 | 082604SK133ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 8/26/2004 0:00 | 082604SK133ASW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 8/26/2004 0:00 | 082604SK133ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 8/26/2004 0:00 | 082604SK133ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 8/26/2004 0:00 | 082604SK133ASW001 | Total Dissolved Solids | 80 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 8/26/2004 0:00 | 082604SK133ASW001 | Total Suspended Solids | 1.3 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 8/26/2004 0:00 | 082604SK133ASW001 | Vanadium | 0.376 | UG/L | J | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 8/26/2004 0:00 | 082604SK133ASW001 | Vanadium | 0.371 | UG/L | J | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 8/26/2004 0:00 | 082604SK133ASW001 | Zinc | 1.7 | UG/L | BQ1 | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 8/26/2004 0:00 | 082604SK133ASW001 | Zinc | 1.22 | UG/L | BQ1,J | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 9/14/2004 0:00 | 091404SK133ASW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 9/14/2004 0:00 | 091404SK133ASW001 | Alkalinity, Total | 35 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 9/14/2004 0:00 | 091404SK133ASW001 | Aluminum | 23.2 | UG/L | BQ,BQ1,J | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 9/14/2004 0:00 | 091404SK133ASW001 | Aluminum | 17.5 | UG/L | BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 9/14/2004 0:00 | 091404SK133ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 9/14/2004 0:00 | 091404SK133ASW001 | Antimony | 0.0985 | UG/L | J | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 9/14/2004 0:00 | 091404SK133ASW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 9/14/2004 0:00 | 091404SK133ASW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 9/14/2004 0:00 | 091404SK133ASW001 | Barium | 5.99 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 9/14/2004 0:00 | 091404SK133ASW001 | Barium | 6.07 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 9/14/2004 0:00 | 091404SK133ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK133A | 9/14/2004 0:00 | 091404SK133ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 9/14/2004 0:00 | 091404SK133ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 9/14/2004 0:00 | 091404SK133ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 9/14/2004 0:00 | 091404SK133ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 9/14/2004 0:00 | 091404SK133ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 9/14/2004 0:00 | 091404SK133ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 9/14/2004 0:00 | 091404SK133ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 9/14/2004 0:00 | 091404SK133ASW001 | Calcium | 9200 | UG/L | J | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 9/14/2004 0:00 | 091404SK133ASW001 | Calcium | 11400 | UG/L | J | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 9/14/2004 0:00 | 091404SK133ASW001 | Chloride | 0.669 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 9/14/2004 0:00 | 091404SK133ASW001 | Chromium | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 9/14/2004 0:00 | 091404SK133ASW001 | Chromium | 0.238 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 9/14/2004 0:00 | 091404SK133ASW001 | Cobalt | 0.0452 | UG/L | BQ1,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 9/14/2004 0:00 | 091404SK133ASW001 | Cobalt | 0.318 | UG/L | J,BQ1 | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 9/14/2004 0:00 | 091404SK133ASW001 | Copper | 0.436 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 9/14/2004 0:00 | 091404SK133ASW001 | Copper | 0.525 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 9/14/2004 0:00 | 091404SK133ASW001 | Cyanide | 0.003 | MG/L | BQ,J | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 9/14/2004 0:00 | 091404SK133ASW001 | Cyanide, Weak Acid Dissociable | 0.003 | MG/L | J | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 9/14/2004 0:00 | 091404SK133ASW001 | Fluoride | 0.051 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 9/14/2004 0:00 | 091404SK133ASW001 | Hardness as CaCO3 | 32.8 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 9/14/2004 0:00 | 091404SK133ASW001 | Hardness as CaCO3 | 38.7 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 9/14/2004 0:00 | 091404SK133ASW001 | Iron | 330 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 9/14/2004 0:00 | 091404SK133ASW001 | Iron | 213 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 9/14/2004 0:00 | 091404SK133ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 9/14/2004 0:00 | 091404SK133ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 9/14/2004 0:00 | 091404SK133ASW001 | Magnesium | 2400 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 9/14/2004 0:00 | 091404SK133ASW001 | Magnesium | 2490 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 9/14/2004 0:00 | 091404SK133ASW001 | Manganese | 14.2 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 9/14/2004 0:00 | 091404SK133ASW001 | Manganese | 14.2 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 9/14/2004 0:00 | 091404SK133ASW001 | Molybdenum | 0.47 | UG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 9/14/2004 0:00 | 091404SK133ASW001 | Molybdenum | 0.59 | UG/L | J | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 9/14/2004 0:00 | 091404SK133ASW001 | Nickel | 0.287 | UG/L | J,BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK133A | 9/14/2004 0:00 | 091404SK133ASW001 | Nickel | 0.543 | UG/L | J | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 9/14/2004 0:00 | 091404SK133ASW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 9/14/2004 0:00 | 091404SK133ASW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 9/14/2004 0:00 | 091404SK133ASW001 | pH | 7.54 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 9/14/2004 0:00 | 091404SK133ASW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 9/14/2004 0:00 | 091404SK133ASW001 | Potassium | 561 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 9/14/2004 0:00 | 091404SK133ASW001 | Potassium | 602 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 9/14/2004 0:00 | 091404SK133ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 9/14/2004 0:00 | 091404SK133ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 9/14/2004 0:00 | 091404SK133ASW001 | Silicon | 6300 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 9/14/2004 0:00 | 091404SK133ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 9/14/2004 0:00 | 091404SK133ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 9/14/2004 0:00 | 091404SK133ASW001 | Sodium | 2140 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 9/14/2004 0:00 | 091404SK133ASW001 | Sodium | 2280 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 9/14/2004 0:00 | 091404SK133ASW001 | Specific Conductance | 100 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 9/14/2004 0:00 | 091404SK133ASW001 | Sulfate | 11.7 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 9/14/2004 0:00 | 091404SK133ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 9/14/2004 0:00 | 091404SK133ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 9/14/2004 0:00 | 091404SK133ASW001 | Thiocyanate | 0.26 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 9/14/2004 0:00 | 091404SK133ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 9/14/2004 0:00 | 091404SK133ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 9/14/2004 0:00 | 091404SK133ASW001 | Total Dissolved Solids | 80 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 9/14/2004 0:00 | 091404SK133ASW001 | Total Suspended Solids | 0.9 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 9/14/2004 0:00 | 091404SK133ASW001 | Vanadium | 0.482 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 9/14/2004 0:00 | 091404SK133ASW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 9/14/2004 0:00 | 091404SK133ASW001 | Zinc | 1.03 | UG/L | BQ1,J | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 9/14/2004 0:00 | 091404SK133ASW001 | Zinc | 2.07 | UG/L | BQ1 | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 10/15/2004 0:00 | 101504SK133ASW001 | Acidity, Total | 3.5 | MG/L | J | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 10/15/2004 0:00 | 101504SK133ASW001 | Alkalinity, Total | 24 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 10/15/2004 0:00 | 101504SK133ASW001 | Aluminum | 25.4 | UG/L | BQ1 | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 10/15/2004 0:00 | 101504SK133ASW001 | Aluminum | 19 | UG/L | BQ,BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 10/15/2004 0:00 | 101504SK133ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK133A | 10/15/2004 0:00 | 101504SK133ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 10/15/2004 0:00 | 101504SK133ASW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 10/15/2004 0:00 | 101504SK133ASW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 10/15/2004 0:00 | 101504SK133ASW001 | Barium | 5.94 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 10/15/2004 0:00 | 101504SK133ASW001 | Barium | 5.87 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 10/15/2004 0:00 | 101504SK133ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 10/15/2004 0:00 | 101504SK133ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 10/15/2004 0:00 | 101504SK133ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 10/15/2004 0:00 | 101504SK133ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 10/15/2004 0:00 | 101504SK133ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 10/15/2004 0:00 | 101504SK133ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 10/15/2004 0:00 | 101504SK133ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 10/15/2004 0:00 | 101504SK133ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 10/15/2004 0:00 | 101504SK133ASW001 | Calcium | 9370 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 10/15/2004 0:00 | 101504SK133ASW001 | Calcium | 8260 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 10/15/2004 0:00 | 101504SK133ASW001 | Chloride | 1.4 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 10/15/2004 0:00 | 101504SK133ASW001 | Chromium | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 10/15/2004 0:00 | 101504SK133ASW001 | Chromium | 0.206 | UG/L | BQ1 | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 10/15/2004 0:00 | 101504SK133ASW001 | Cobalt | 0.0502 | UG/L | BQ1,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 10/15/2004 0:00 | 101504SK133ASW001 | Cobalt | 0.851 | UG/L | BQ1 | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 10/15/2004 0:00 | 101504SK133ASW001 | Copper | 0.743 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 10/15/2004 0:00 | 101504SK133ASW001 | Copper | 1.16 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 10/15/2004 0:00 | 101504SK133ASW001 | Cyanide | 0.004 | MG/L | BQ,J | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 10/15/2004 0:00 | 101504SK133ASW001 | Cyanide, Weak Acid Dissociable | 0.0028 | MG/L | BQ,J | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 10/15/2004 0:00 | 101504SK133ASW001 | Fluoride | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 10/15/2004 0:00 | 101504SK133ASW001 | Hardness as CaCO3 | 31.9 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 10/15/2004 0:00 | 101504SK133ASW001 | Iron | 160 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 10/15/2004 0:00 | 101504SK133ASW001 | Iron | 97.3 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 10/15/2004 0:00 | 101504SK133ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 10/15/2004 0:00 | 101504SK133ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 10/15/2004 0:00 | 101504SK133ASW001 | Magnesium | 2060 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 10/15/2004 0:00 | 101504SK133ASW001 | Magnesium | 1890 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK133A | 10/15/2004 0:00 | 101504SK133ASW001 | Manganese | 14.5 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 10/15/2004 0:00 | 101504SK133ASW001 | Manganese | 14.2 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 10/15/2004 0:00 | 101504SK133ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 10/15/2004 0:00 | 101504SK133ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 10/15/2004 0:00 | 101504SK133ASW001 | Nickel | 0.584 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 10/15/2004 0:00 | 101504SK133ASW001 | Nickel | 0.324 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 10/15/2004 0:00 | 101504SK133ASW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 10/15/2004 0:00 | 101504SK133ASW001 | Nitrogen, Nitrate-Nitrite | 0.6 | MG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 10/15/2004 0:00 | 101504SK133ASW001 | pH | 6.9 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 10/15/2004 0:00 | 101504SK133ASW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 10/15/2004 0:00 | 101504SK133ASW001 | Potassium | 639 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 10/15/2004 0:00 | 101504SK133ASW001 | Potassium | 557 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 10/15/2004 0:00 | 101504SK133ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 10/15/2004 0:00 | 101504SK133ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 10/15/2004 0:00 | 101504SK133ASW001 | Silicon | 5580 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 10/15/2004 0:00 | 101504SK133ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 10/15/2004 0:00 | 101504SK133ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 10/15/2004 0:00 | 101504SK133ASW001 | Sodium | 1840 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 10/15/2004 0:00 | 101504SK133ASW001 | Sodium | 1800 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 10/15/2004 0:00 | 101504SK133ASW001 | Specific Conductance | 90 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 10/15/2004 0:00 | 101504SK133ASW001 | Sulfate | 10.6 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 10/15/2004 0:00 | 101504SK133ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 10/15/2004 0:00 | 101504SK133ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 10/15/2004 0:00 | 101504SK133ASW001 | Thiocyanate | 0.28 | MG/L | | 1 | 0.059 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 10/15/2004 0:00 | 101504SK133ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 10/15/2004 0:00 | 101504SK133ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 10/15/2004 0:00 | 101504SK133ASW001 | Total Dissolved Solids | 25 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 10/15/2004 0:00 | 101504SK133ASW001 | Total Suspended Solids | 0.5 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 10/15/2004 0:00 | 101504SK133ASW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 10/15/2004 0:00 | 101504SK133ASW001 | Vanadium | 0.301 | UG/L | J | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK133A | 10/15/2004 0:00 | 101504SK133ASW001 | Zinc | 18.7 | UG/L | BQ1 | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK133A | 10/15/2004 0:00 | 101504SK133ASW001 | Zinc | 51.1 | UG/L | | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK134A | 8/26/2004 0:00 | 082604SK134ASW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 8/26/2004 0:00 | 082604SK134ASW001 | Alkalinity, Total | 35.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 8/26/2004 0:00 | 082604SK134ASW001 | Aluminum | 29.9 | UG/L | BQ,BQ1 | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 8/26/2004 0:00 | 082604SK134ASW001 | Aluminum | 10.7 | UG/L | BQ,BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 8/26/2004 0:00 | 082604SK134ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 8/26/2004 0:00 | 082604SK134ASW001 | Antimony | 0.139 | UG/L | BQ1,J | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 8/26/2004 0:00 | 082604SK134ASW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 8/26/2004 0:00 | 082604SK134ASW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 8/26/2004 0:00 | 082604SK134ASW001 | Barium | 7.46 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 8/26/2004 0:00 | 082604SK134ASW001 | Barium | 6.4 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 8/26/2004 0:00 | 082604SK134ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 8/26/2004 0:00 | 082604SK134ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 8/26/2004 0:00 | 082604SK134ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 8/26/2004 0:00 | 082604SK134ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 8/26/2004 0:00 | 082604SK134ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 8/26/2004 0:00 | 082604SK134ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 8/26/2004 0:00 | 082604SK134ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 8/26/2004 0:00 | 082604SK134ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 8/26/2004 0:00 | 082604SK134ASW001 | Calcium | 11000 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 8/26/2004 0:00 | 082604SK134ASW001 | Calcium | 10300 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 8/26/2004 0:00 | 082604SK134ASW001 | Chloride | 0.83 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 8/26/2004 0:00 | 082604SK134ASW001 | Chromium | 0.241 | UG/L | BQ1 | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 8/26/2004 0:00 | 082604SK134ASW001 | Chromium | 0.173 | UG/L | BQ1,J | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 8/26/2004 0:00 | 082604SK134ASW001 | Cobalt | 0.107 | UG/L | BQ1 | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 8/26/2004 0:00 | 082604SK134ASW001 | Cobalt | 0.652 | UG/L | BQ1 | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 8/26/2004 0:00 | 082604SK134ASW001 | Copper | 1.41 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 8/26/2004 0:00 | 082604SK134ASW001 | Copper | 1.11 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 8/26/2004 0:00 | 082604SK134ASW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 8/26/2004 0:00 | 082604SK134ASW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 8/26/2004 0:00 | 082604SK134ASW001 | Fluoride | 0.068 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 8/26/2004 0:00 | 082604SK134ASW001 | Hardness as CaCO3 | 39.4 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 8/26/2004 0:00 | 082604SK134ASW001 | Hardness as CaCO3 | 37.9 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |

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Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK134A | 8/26/2004 0:00 | 082604SK134ASW001 | Iron | 496 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 8/26/2004 0:00 | 082604SK134ASW001 | Iron | 230 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 8/26/2004 0:00 | 082604SK134ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 8/26/2004 0:00 | 082604SK134ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 8/26/2004 0:00 | 082604SK134ASW001 | Magnesium | 2930 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 8/26/2004 0:00 | 082604SK134ASW001 | Magnesium | 2940 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 8/26/2004 0:00 | 082604SK134ASW001 | Manganese | 33.6 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 8/26/2004 0:00 | 082604SK134ASW001 | Manganese | 19.3 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 8/26/2004 0:00 | 082604SK134ASW001 | Molybdenum | 1.54 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 8/26/2004 0:00 | 082604SK134ASW001 | Molybdenum | 1.26 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 8/26/2004 0:00 | 082604SK134ASW001 | Nickel | 0.445 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 8/26/2004 0:00 | 082604SK134ASW001 | Nickel | 0.568 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 8/26/2004 0:00 | 082604SK134ASW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 8/26/2004 0:00 | 082604SK134ASW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 8/26/2004 0:00 | 082604SK134ASW001 | pH | 7.69 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 8/26/2004 0:00 | 082604SK134ASW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 8/26/2004 0:00 | 082604SK134ASW001 | Potassium | 676 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 8/26/2004 0:00 | 082604SK134ASW001 | Potassium | 647 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 8/26/2004 0:00 | 082604SK134ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 8/26/2004 0:00 | 082604SK134ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 8/26/2004 0:00 | 082604SK134ASW001 | Silicon | 6220 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 8/26/2004 0:00 | 082604SK134ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 8/26/2004 0:00 | 082604SK134ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 8/26/2004 0:00 | 082604SK134ASW001 | Sodium | 3670 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 8/26/2004 0:00 | 082604SK134ASW001 | Sodium | 3530 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 8/26/2004 0:00 | 082604SK134ASW001 | Specific Conductance | 110 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 8/26/2004 0:00 | 082604SK134ASW001 | Sulfate | 17.1 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 8/26/2004 0:00 | 082604SK134ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 8/26/2004 0:00 | 082604SK134ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 8/26/2004 0:00 | 082604SK134ASW001 | Thiocyanate | 0.17 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 8/26/2004 0:00 | 082604SK134ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 8/26/2004 0:00 | 082604SK134ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK134A | 8/26/2004 0:00 | 082604SK134ASW001 | Total Dissolved Solids | 85 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 8/26/2004 0:00 | 082604SK134ASW001 | Total Suspended Solids | 1.6 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 8/26/2004 0:00 | 082604SK134ASW001 | Vanadium | 0.273 | UG/L | J | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 8/26/2004 0:00 | 082604SK134ASW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 8/26/2004 0:00 | 082604SK134ASW001 | Zinc | 0.912 | UG/L | BQ1,J | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 8/26/2004 0:00 | 082604SK134ASW001 | Zinc | 0.925 | UG/L | BQ1,J | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 9/14/2004 0:00 | 091404SK134ASW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 9/14/2004 0:00 | 091404SK134ASW001 | Alkalinity, Total | 32.8 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 9/14/2004 0:00 | 091404SK134ASW001 | Aluminum | 17.3 | UG/L | BQ,BQ1,J | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 9/14/2004 0:00 | 091404SK134ASW001 | Aluminum | 13.3 | UG/L | BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 9/14/2004 0:00 | 091404SK134ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 9/14/2004 0:00 | 091404SK134ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 9/14/2004 0:00 | 091404SK134ASW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 9/14/2004 0:00 | 091404SK134ASW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 9/14/2004 0:00 | 091404SK134ASW001 | Barium | 6.18 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 9/14/2004 0:00 | 091404SK134ASW001 | Barium | 5.86 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 9/14/2004 0:00 | 091404SK134ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 9/14/2004 0:00 | 091404SK134ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 9/14/2004 0:00 | 091404SK134ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 9/14/2004 0:00 | 091404SK134ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 9/14/2004 0:00 | 091404SK134ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 9/14/2004 0:00 | 091404SK134ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 9/14/2004 0:00 | 091404SK134ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 9/14/2004 0:00 | 091404SK134ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 9/14/2004 0:00 | 091404SK134ASW001 | Calcium | 9410 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 9/14/2004 0:00 | 091404SK134ASW001 | Calcium | 11000 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 9/14/2004 0:00 | 091404SK134ASW001 | Chloride | 0.733 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 9/14/2004 0:00 | 091404SK134ASW001 | Chromium | 0.144 | UG/L | J | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 9/14/2004 0:00 | 091404SK134ASW001 | Chromium | 0.224 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 9/14/2004 0:00 | 091404SK134ASW001 | Cobalt | 0.0796 | UG/L | BQ1,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 9/14/2004 0:00 | 091404SK134ASW001 | Cobalt | 0.316 | UG/L | J,BQ1 | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 9/14/2004 0:00 | 091404SK134ASW001 | Copper | 0.892 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK134A | 9/14/2004 0:00 | 091404SK134ASW001 | Copper | 0.79 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 9/14/2004 0:00 | 091404SK134ASW001 | Cyanide | 0.003 | MG/L | BQ,J | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 9/14/2004 0:00 | 091404SK134ASW001 | Cyanide, Weak Acid Dissociable | 0.003 | MG/L | J | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 9/14/2004 0:00 | 091404SK134ASW001 | Fluoride | 0.098 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 9/14/2004 0:00 | 091404SK134ASW001 | Hardness as CaCO3 | 36 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 9/14/2004 0:00 | 091404SK134ASW001 | Hardness as CaCO3 | 40.6 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 9/14/2004 0:00 | 091404SK134ASW001 | Iron | 395 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 9/14/2004 0:00 | 091404SK134ASW001 | Iron | 237 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 9/14/2004 0:00 | 091404SK134ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 9/14/2004 0:00 | 091404SK134ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 9/14/2004 0:00 | 091404SK134ASW001 | Magnesium | 3050 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 9/14/2004 0:00 | 091404SK134ASW001 | Magnesium | 3190 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 9/14/2004 0:00 | 091404SK134ASW001 | Manganese | 26.8 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 9/14/2004 0:00 | 091404SK134ASW001 | Manganese | 26.5 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 9/14/2004 0:00 | 091404SK134ASW001 | Molybdenum | 1.06 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 9/14/2004 0:00 | 091404SK134ASW001 | Molybdenum | 1.2 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 9/14/2004 0:00 | 091404SK134ASW001 | Nickel | 0.351 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 9/14/2004 0:00 | 091404SK134ASW001 | Nickel | 0.524 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 9/14/2004 0:00 | 091404SK134ASW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 9/14/2004 0:00 | 091404SK134ASW001 | Nitrogen, Nitrate-Nitrite | 0.72 | MG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 9/14/2004 0:00 | 091404SK134ASW001 | pH | 7.17 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 9/14/2004 0:00 | 091404SK134ASW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 9/14/2004 0:00 | 091404SK134ASW001 | Potassium | 505 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 9/14/2004 0:00 | 091404SK134ASW001 | Potassium | 538 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 9/14/2004 0:00 | 091404SK134ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 9/14/2004 0:00 | 091404SK134ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 9/14/2004 0:00 | 091404SK134ASW001 | Silicon | 6030 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 9/14/2004 0:00 | 091404SK134ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 9/14/2004 0:00 | 091404SK134ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 9/14/2004 0:00 | 091404SK134ASW001 | Sodium | 3820 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 9/14/2004 0:00 | 091404SK134ASW001 | Sodium | 4000 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 9/14/2004 0:00 | 091404SK134ASW001 | Specific Conductance | 110 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK134A | 9/14/2004 0:00 | 091404SK134ASW001 | Sulfate | 20.8 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 9/14/2004 0:00 | 091404SK134ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 9/14/2004 0:00 | 091404SK134ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 9/14/2004 0:00 | 091404SK134ASW001 | Thiocyanate | 0.2 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 9/14/2004 0:00 | 091404SK134ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 9/14/2004 0:00 | 091404SK134ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 9/14/2004 0:00 | 091404SK134ASW001 | Total Dissolved Solids | 83.8 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 9/14/2004 0:00 | 091404SK134ASW001 | Total Suspended Solids | 1 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 9/14/2004 0:00 | 091404SK134ASW001 | Vanadium | 0.427 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 9/14/2004 0:00 | 091404SK134ASW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 9/14/2004 0:00 | 091404SK134ASW001 | Zinc | 0.848 | UG/L | BQ1,J | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 9/14/2004 0:00 | 091404SK134ASW001 | Zinc | 1.01 | UG/L | BQ1,J | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 10/16/2004 0:00 | 101604SK134ASW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 10/16/2004 0:00 | 101604SK134ASW001 | Alkalinity, Total | 21.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 10/16/2004 0:00 | 101604SK134ASW001 | Aluminum | 68.9 | UG/L | | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 10/16/2004 0:00 | 101604SK134ASW001 | Aluminum | 18.6 | UG/L | BQ,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 10/16/2004 0:00 | 101604SK134ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 10/16/2004 0:00 | 101604SK134ASW001 | Antimony | 0.21 | UG/L | | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 10/16/2004 0:00 | 101604SK134ASW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 10/16/2004 0:00 | 101604SK134ASW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 10/16/2004 0:00 | 101604SK134ASW001 | Barium | 6.46 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 10/16/2004 0:00 | 101604SK134ASW001 | Barium | 5.99 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 10/16/2004 0:00 | 101604SK134ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 10/16/2004 0:00 | 101604SK134ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 10/16/2004 0:00 | 101604SK134ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 10/16/2004 0:00 | 101604SK134ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 10/16/2004 0:00 | 101604SK134ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 10/16/2004 0:00 | 101604SK134ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 10/16/2004 0:00 | 101604SK134ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 10/16/2004 0:00 | 101604SK134ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 10/16/2004 0:00 | 101604SK134ASW001 | Calcium | 8660 | UG/L | | 2000 | 600 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 10/16/2004 0:00 | 101604SK134ASW001 | Calcium | 7810 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK134A | 10/16/2004 0:00 | 101604SK134ASW001 | Chloride | 1.12 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 10/16/2004 0:00 | 101604SK134ASW001 | Chromium | 0.216 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 10/16/2004 0:00 | 101604SK134ASW001 | Chromium | 0.15 | UG/L | J | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 10/16/2004 0:00 | 101604SK134ASW001 | Cobalt | 0.112 | UG/L | BQ1 | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 10/16/2004 0:00 | 101604SK134ASW001 | Cobalt | 0.246 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 10/16/2004 0:00 | 101604SK134ASW001 | Copper | 1.53 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 10/16/2004 0:00 | 101604SK134ASW001 | Copper | 1.44 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 10/16/2004 0:00 | 101604SK134ASW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 10/16/2004 0:00 | 101604SK134ASW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 10/16/2004 0:00 | 101604SK134ASW001 | Fluoride | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 10/16/2004 0:00 | 101604SK134ASW001 | Hardness as CaCO3 | 30.9 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 10/16/2004 0:00 | 101604SK134ASW001 | Iron | 317 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 10/16/2004 0:00 | 101604SK134ASW001 | Iron | 181 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 10/16/2004 0:00 | 101604SK134ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 10/16/2004 0:00 | 101604SK134ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 10/16/2004 0:00 | 101604SK134ASW001 | Magnesium | 2260 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 10/16/2004 0:00 | 101604SK134ASW001 | Magnesium | 2320 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 10/16/2004 0:00 | 101604SK134ASW001 | Manganese | 40.5 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 10/16/2004 0:00 | 101604SK134ASW001 | Manganese | 34.9 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 10/16/2004 0:00 | 101604SK134ASW001 | Molybdenum | 0.832 | UG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 10/16/2004 0:00 | 101604SK134ASW001 | Molybdenum | 0.882 | UG/L | J | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 10/16/2004 0:00 | 101604SK134ASW001 | Nickel | 0.375 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 10/16/2004 0:00 | 101604SK134ASW001 | Nickel | 0.397 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 10/16/2004 0:00 | 101604SK134ASW001 | Nitrogen, Ammonia (as N) | 0.058 | MG/L | BQ,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 10/16/2004 0:00 | 101604SK134ASW001 | Nitrogen, Nitrate-Nitrite | 0.89 | MG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 10/16/2004 0:00 | 101604SK134ASW001 | pH | 6.96 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 10/16/2004 0:00 | 101604SK134ASW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 10/16/2004 0:00 | 101604SK134ASW001 | Potassium | 449 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 10/16/2004 0:00 | 101604SK134ASW001 | Potassium | 465 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 10/16/2004 0:00 | 101604SK134ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 10/16/2004 0:00 | 101604SK134ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 10/16/2004 0:00 | 101604SK134ASW001 | Silicon | 5180 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK134A | 10/16/2004 0:00 | 101604SK134ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 10/16/2004 0:00 | 101604SK134ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 10/16/2004 0:00 | 101604SK134ASW001 | Sodium | 2950 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 10/16/2004 0:00 | 101604SK134ASW001 | Sodium | 2950 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 10/16/2004 0:00 | 101604SK134ASW001 | Specific Conductance | 95 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 10/16/2004 0:00 | 101604SK134ASW001 | Sulfate | 17.2 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 10/16/2004 0:00 | 101604SK134ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 10/16/2004 0:00 | 101604SK134ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 10/16/2004 0:00 | 101604SK134ASW001 | Thiocyanate | 0.29 | MG/L | J | 1 | 0.059 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 10/16/2004 0:00 | 101604SK134ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 10/16/2004 0:00 | 101604SK134ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 10/16/2004 0:00 | 101604SK134ASW001 | Total Dissolved Solids | 76.3 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 10/16/2004 0:00 | 101604SK134ASW001 | Total Suspended Solids | 2.05 | MG/L | | 0.513 | 0.154 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 10/16/2004 0:00 | 101604SK134ASW001 | Vanadium | 0.349 | UG/L | J | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK134A | 10/16/2004 0:00 | 101604SK134ASW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 10/16/2004 0:00 | 101604SK134ASW001 | Zinc | 1.43 | UG/L | BQ,J | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK134A | 10/16/2004 0:00 | 101604SK134ASW001 | Zinc | 1.6 | UG/L | BQ1 | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 8/25/2004 0:00 | 082504SK136ASW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 8/25/2004 0:00 | 082504SK136ASW001 | Alkalinity, Total | 28.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 8/25/2004 0:00 | 082504SK136ASW001 | Aluminum | 34.3 | UG/L | BQ,BQ1 | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 8/25/2004 0:00 | 082504SK136ASW001 | Aluminum | 135 | UG/L | | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 8/25/2004 0:00 | 082504SK136ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 8/25/2004 0:00 | 082504SK136ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 8/25/2004 0:00 | 082504SK136ASW001 | Arsenic | 0.444 | UG/L | J | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 8/25/2004 0:00 | 082504SK136ASW001 | Arsenic | 0.611 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 8/25/2004 0:00 | 082504SK136ASW001 | Barium | 5.62 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 8/25/2004 0:00 | 082504SK136ASW001 | Barium | 6.72 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 8/25/2004 0:00 | 082504SK136ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 8/25/2004 0:00 | 082504SK136ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 8/25/2004 0:00 | 082504SK136ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 8/25/2004 0:00 | 082504SK136ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 8/25/2004 0:00 | 082504SK136ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK136A | 8/25/2004 0:00 | 082504SK136ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 8/25/2004 0:00 | 082504SK136ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 8/25/2004 0:00 | 082504SK136ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 8/25/2004 0:00 | 082504SK136ASW001 | Calcium | 9220 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 8/25/2004 0:00 | 082504SK136ASW001 | Calcium | 9670 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 8/25/2004 0:00 | 082504SK136ASW001 | Chloride | 0.745 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 8/25/2004 0:00 | 082504SK136ASW001 | Chromium | 0.224 | UG/L | BQ1 | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 8/25/2004 0:00 | 082504SK136ASW001 | Chromium | 0.229 | UG/L | BQ1 | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 8/25/2004 0:00 | 082504SK136ASW001 | Cobalt | 1.91 | UG/L | BQ1 | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 8/25/2004 0:00 | 082504SK136ASW001 | Cobalt | 0.12 | UG/L | BQ1 | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 8/25/2004 0:00 | 082504SK136ASW001 | Copper | 4.36 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 8/25/2004 0:00 | 082504SK136ASW001 | Copper | 7.35 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 8/25/2004 0:00 | 082504SK136ASW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 8/25/2004 0:00 | 082504SK136ASW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 8/25/2004 0:00 | 082504SK136ASW001 | Fluoride | 0.076 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 8/25/2004 0:00 | 082504SK136ASW001 | Hardness as CaCO3 | 33.2 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 8/25/2004 0:00 | 082504SK136ASW001 | Hardness as CaCO3 | 34.3 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 8/25/2004 0:00 | 082504SK136ASW001 | Iron | 436 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 8/25/2004 0:00 | 082504SK136ASW001 | Iron | 718 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 8/25/2004 0:00 | 082504SK136ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 8/25/2004 0:00 | 082504SK136ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 8/25/2004 0:00 | 082504SK136ASW001 | Magnesium | 2480 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 8/25/2004 0:00 | 082504SK136ASW001 | Magnesium | 2470 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 8/25/2004 0:00 | 082504SK136ASW001 | Manganese | 39.9 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 8/25/2004 0:00 | 082504SK136ASW001 | Manganese | 42.5 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 8/25/2004 0:00 | 082504SK136ASW001 | Molybdenum | 3.75 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 8/25/2004 0:00 | 082504SK136ASW001 | Molybdenum | 4.34 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 8/25/2004 0:00 | 082504SK136ASW001 | Nickel | 0.737 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 8/25/2004 0:00 | 082504SK136ASW001 | Nickel | 0.649 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 8/25/2004 0:00 | 082504SK136ASW001 | Nitrogen, Ammonia (as N) | 0.104 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 8/25/2004 0:00 | 082504SK136ASW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 8/25/2004 0:00 | 082504SK136ASW001 | pH | 7.64 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK136A | 8/25/2004 0:00 | 082504SK136ASW001 | Phosphorus, Total (as P) | 0.05 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 8/25/2004 0:00 | 082504SK136ASW001 | Potassium | 722 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 8/25/2004 0:00 | 082504SK136ASW001 | Potassium | 782 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 8/25/2004 0:00 | 082504SK136ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 8/25/2004 0:00 | 082504SK136ASW001 | Selenium | 0.346 | UG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 8/25/2004 0:00 | 082504SK136ASW001 | Silicon | 8470 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 8/25/2004 0:00 | 082504SK136ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 8/25/2004 0:00 | 082504SK136ASW001 | Silver | 0.113 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 8/25/2004 0:00 | 082504SK136ASW001 | Sodium | 3790 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 8/25/2004 0:00 | 082504SK136ASW001 | Sodium | 3890 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 8/25/2004 0:00 | 082504SK136ASW001 | Specific Conductance | 110 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 8/25/2004 0:00 | 082504SK136ASW001 | Sulfate | 18.4 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 8/25/2004 0:00 | 082504SK136ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 8/25/2004 0:00 | 082504SK136ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 8/25/2004 0:00 | 082504SK136ASW001 | Thiocyanate | 0.2 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 8/25/2004 0:00 | 082504SK136ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 8/25/2004 0:00 | 082504SK136ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 8/25/2004 0:00 | 082504SK136ASW001 | Total Dissolved Solids | 76.3 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 8/25/2004 0:00 | 082504SK136ASW001 | Total Suspended Solids | 3.47 | MG/L | | 0.526 | 0.158 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 8/25/2004 0:00 | 082504SK136ASW001 | Vanadium | 0.343 | UG/L | J | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 8/25/2004 0:00 | 082504SK136ASW001 | Vanadium | 0.697 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 8/25/2004 0:00 | 082504SK136ASW001 | Zinc | 1.01 | UG/L | BQ1,J | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 8/25/2004 0:00 | 082504SK136ASW001 | Zinc | 1.01 | UG/L | BQ1,J | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 9/14/2004 0:00 | 091404SK136ASW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 9/14/2004 0:00 | 091404SK136ASW001 | Alkalinity, Total | 21 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 9/14/2004 0:00 | 091404SK136ASW001 | Aluminum | 17.4 | UG/L | BQ,BQ1,J | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 9/14/2004 0:00 | 091404SK136ASW001 | Aluminum | 14.1 | UG/L | BQ,BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 9/14/2004 0:00 | 091404SK136ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 9/14/2004 0:00 | 091404SK136ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 9/14/2004 0:00 | 091404SK136ASW001 | Arsenic | 0.516 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 9/14/2004 0:00 | 091404SK136ASW001 | Arsenic | 0.352 | UG/L | J | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 9/14/2004 0:00 | 091404SK136ASW001 | Barium | 4.75 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK136A | 9/14/2004 0:00 | 091404SK136ASW001 | Barium | 4.73 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 9/14/2004 0:00 | 091404SK136ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 9/14/2004 0:00 | 091404SK136ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 9/14/2004 0:00 | 091404SK136ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 9/14/2004 0:00 | 091404SK136ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 9/14/2004 0:00 | 091404SK136ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 9/14/2004 0:00 | 091404SK136ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 9/14/2004 0:00 | 091404SK136ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 9/14/2004 0:00 | 091404SK136ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 9/14/2004 0:00 | 091404SK136ASW001 | Calcium | 8280 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 9/14/2004 0:00 | 091404SK136ASW001 | Calcium | 7940 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 9/14/2004 0:00 | 091404SK136ASW001 | Chloride | 0.793 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 9/14/2004 0:00 | 091404SK136ASW001 | Chromium | 0.158 | UG/L | J | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 9/14/2004 0:00 | 091404SK136ASW001 | Chromium | 0.216 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 9/14/2004 0:00 | 091404SK136ASW001 | Cobalt | 0.383 | UG/L | J,BQ1 | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 9/14/2004 0:00 | 091404SK136ASW001 | Cobalt | 0.0953 | UG/L | BQ1,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 9/14/2004 0:00 | 091404SK136ASW001 | Copper | 3.01 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 9/14/2004 0:00 | 091404SK136ASW001 | Copper | 2.34 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 9/14/2004 0:00 | 091404SK136ASW001 | Cyanide | 0.003 | MG/L | BQ,J | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 9/14/2004 0:00 | 091404SK136ASW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 9/14/2004 0:00 | 091404SK136ASW001 | Fluoride | 0.112 | MG/L | BQ | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 9/14/2004 0:00 | 091404SK136ASW001 | Hardness as CaCO3 | 30.3 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 9/14/2004 0:00 | 091404SK136ASW001 | Hardness as CaCO3 | 29.1 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 9/14/2004 0:00 | 091404SK136ASW001 | Iron | 398 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 9/14/2004 0:00 | 091404SK136ASW001 | Iron | 254 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 9/14/2004 0:00 | 091404SK136ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 9/14/2004 0:00 | 091404SK136ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 9/14/2004 0:00 | 091404SK136ASW001 | Magnesium | 2330 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 9/14/2004 0:00 | 091404SK136ASW001 | Magnesium | 2250 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 9/14/2004 0:00 | 091404SK136ASW001 | Manganese | 44.1 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 9/14/2004 0:00 | 091404SK136ASW001 | Manganese | 41.5 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 9/14/2004 0:00 | 091404SK136ASW001 | Molybdenum | 2.99 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK136A | 9/14/2004 0:00 | 091404SK136ASW001 | Molybdenum | 2.85 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 9/14/2004 0:00 | 091404SK136ASW001 | Nickel | 0.466 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 9/14/2004 0:00 | 091404SK136ASW001 | Nickel | 0.599 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 9/14/2004 0:00 | 091404SK136ASW001 | Nitrogen, Ammonia (as N) | 0.05 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 9/14/2004 0:00 | 091404SK136ASW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 9/14/2004 0:00 | 091404SK136ASW001 | pH | 7.14 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 9/14/2004 0:00 | 091404SK136ASW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 9/14/2004 0:00 | 091404SK136ASW001 | Potassium | 604 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 9/14/2004 0:00 | 091404SK136ASW001 | Potassium | 576 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 9/14/2004 0:00 | 091404SK136ASW001 | Selenium | 0.362 | UG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 9/14/2004 0:00 | 091404SK136ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 9/14/2004 0:00 | 091404SK136ASW001 | Silicon | 8330 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 9/14/2004 0:00 | 091404SK136ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 9/14/2004 0:00 | 091404SK136ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 9/14/2004 0:00 | 091404SK136ASW001 | Sodium | 3520 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 9/14/2004 0:00 | 091404SK136ASW001 | Sodium | 3520 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 9/14/2004 0:00 | 091404SK136ASW001 | Specific Conductance | 100 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 9/14/2004 0:00 | 091404SK136ASW001 | Sulfate | 20.9 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 9/14/2004 0:00 | 091404SK136ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 9/14/2004 0:00 | 091404SK136ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 9/14/2004 0:00 | 091404SK136ASW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 9/14/2004 0:00 | 091404SK136ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 9/14/2004 0:00 | 091404SK136ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 9/14/2004 0:00 | 091404SK136ASW001 | Total Dissolved Solids | 75 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 9/14/2004 0:00 | 091404SK136ASW001 | Total Suspended Solids | 0.737 | MG/L | | 0.526 | 0.158 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 9/14/2004 0:00 | 091404SK136ASW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 9/14/2004 0:00 | 091404SK136ASW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 9/14/2004 0:00 | 091404SK136ASW001 | Zinc | 0.575 | UG/L | BQ1,J | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 9/14/2004 0:00 | 091404SK136ASW001 | Zinc | 1.09 | UG/L | BQ1,J | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 10/16/2004 0:00 | 101604SK136ASW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 10/16/2004 0:00 | 101604SK136ASW001 | Alkalinity, Total | 18 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 10/16/2004 0:00 | 101604SK136ASW001 | Aluminum | 42.2 | UG/L | BQ1 | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK136A | 10/16/2004 0:00 | 101604SK136ASW001 | Aluminum | 15.9 | UG/L | BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 10/16/2004 0:00 | 101604SK136ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 10/16/2004 0:00 | 101604SK136ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 10/16/2004 0:00 | 101604SK136ASW001 | Arsenic | 0.341 | UG/L | J | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 10/16/2004 0:00 | 101604SK136ASW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 10/16/2004 0:00 | 101604SK136ASW001 | Barium | 5.13 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 10/16/2004 0:00 | 101604SK136ASW001 | Barium | 4.83 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 10/16/2004 0:00 | 101604SK136ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 10/16/2004 0:00 | 101604SK136ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 10/16/2004 0:00 | 101604SK136ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 10/16/2004 0:00 | 101604SK136ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 10/16/2004 0:00 | 101604SK136ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 10/16/2004 0:00 | 101604SK136ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 10/16/2004 0:00 | 101604SK136ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 10/16/2004 0:00 | 101604SK136ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 10/16/2004 0:00 | 101604SK136ASW001 | Calcium | 6980 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 10/16/2004 0:00 | 101604SK136ASW001 | Calcium | 7110 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 10/16/2004 0:00 | 101604SK136ASW001 | Chloride | 1.17 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 10/16/2004 0:00 | 101604SK136ASW001 | Chromium | 0.208 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 10/16/2004 0:00 | 101604SK136ASW001 | Chromium | 0.228 | UG/L | BQ1 | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 10/16/2004 0:00 | 101604SK136ASW001 | Cobalt | 0.144 | UG/L | BQ1 | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 10/16/2004 0:00 | 101604SK136ASW001 | Cobalt | 1 | UG/L | BQ1 | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 10/16/2004 0:00 | 101604SK136ASW001 | Copper | 3.09 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 10/16/2004 0:00 | 101604SK136ASW001 | Copper | 2.63 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 10/16/2004 0:00 | 101604SK136ASW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 10/16/2004 0:00 | 101604SK136ASW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 10/16/2004 0:00 | 101604SK136ASW001 | Fluoride | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 10/16/2004 0:00 | 101604SK136ASW001 | Hardness as CaCO3 | 25.4 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 10/16/2004 0:00 | 101604SK136ASW001 | Iron | 395 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 10/16/2004 0:00 | 101604SK136ASW001 | Iron | 238 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 10/16/2004 0:00 | 101604SK136ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 10/16/2004 0:00 | 101604SK136ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK136A | 10/16/2004 0:00 | 101604SK136ASW001 | Magnesium | 1930 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 10/16/2004 0:00 | 101604SK136ASW001 | Magnesium | 1950 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 10/16/2004 0:00 | 101604SK136ASW001 | Manganese | 52.4 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 10/16/2004 0:00 | 101604SK136ASW001 | Manganese | 53 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 10/16/2004 0:00 | 101604SK136ASW001 | Molybdenum | 2.08 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 10/16/2004 0:00 | 101604SK136ASW001 | Molybdenum | 2.04 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 10/16/2004 0:00 | 101604SK136ASW001 | Nickel | 0.497 | UG/L | J | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 10/16/2004 0:00 | 101604SK136ASW001 | Nickel | 0.797 | UG/L | J | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 10/16/2004 0:00 | 101604SK136ASW001 | Nitrogen, Ammonia (as N) | 0.032 | MG/L | BQ,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 10/16/2004 0:00 | 101604SK136ASW001 | Nitrogen, Nitrate-Nitrite | 0.6 | MG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 10/16/2004 0:00 | 101604SK136ASW001 | pH | 6.95 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 10/16/2004 0:00 | 101604SK136ASW001 | Phosphorus, Total (as P) | 0.04 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 10/16/2004 0:00 | 101604SK136ASW001 | Potassium | 531 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 10/16/2004 0:00 | 101604SK136ASW001 | Potassium | 538 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 10/16/2004 0:00 | 101604SK136ASW001 | Selenium | 0.351 | UG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 10/16/2004 0:00 | 101604SK136ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 10/16/2004 0:00 | 101604SK136ASW001 | Silicon | 7630 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 10/16/2004 0:00 | 101604SK136ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 10/16/2004 0:00 | 101604SK136ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 10/16/2004 0:00 | 101604SK136ASW001 | Sodium | 2930 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 10/16/2004 0:00 | 101604SK136ASW001 | Sodium | 3040 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 10/16/2004 0:00 | 101604SK136ASW001 | Specific Conductance | 90 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 10/16/2004 0:00 | 101604SK136ASW001 | Sulfate | 20.9 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 10/16/2004 0:00 | 101604SK136ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 10/16/2004 0:00 | 101604SK136ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 10/16/2004 0:00 | 101604SK136ASW001 | Thiocyanate | 0.21 | MG/L | J | 1 | 0.059 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 10/16/2004 0:00 | 101604SK136ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 10/16/2004 0:00 | 101604SK136ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136A | 10/16/2004 0:00 | 101604SK136ASW001 | Total Dissolved Solids | 67.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 10/16/2004 0:00 | 101604SK136ASW001 | Total Suspended Solids | 1.2 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 10/16/2004 0:00 | 101604SK136ASW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 10/16/2004 0:00 | 101604SK136ASW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK136A | 10/16/2004 0:00 | 101604SK136ASW001 | Zinc | 1.65 | UG/L | BQ1 | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136A | 10/16/2004 0:00 | 101604SK136ASW001 | Zinc | 1.72 | UG/L | BQ1 | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 8/25/2004 0:00 | 082504SK136BSW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 8/25/2004 0:00 | 082504SK136BSW001 | Alkalinity, Total | 22.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 8/25/2004 0:00 | 082504SK136BSW001 | Aluminum | 19.1 | UG/L | BQ,BQ1,J | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 8/25/2004 0:00 | 082504SK136BSW001 | Aluminum | 14 | UG/L | BQ,BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 8/25/2004 0:00 | 082504SK136BSW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 8/25/2004 0:00 | 082504SK136BSW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 8/25/2004 0:00 | 082504SK136BSW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 8/25/2004 0:00 | 082504SK136BSW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 8/25/2004 0:00 | 082504SK136BSW001 | Barium | 4.81 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 8/25/2004 0:00 | 082504SK136BSW001 | Barium | 4.53 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 8/25/2004 0:00 | 082504SK136BSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 8/25/2004 0:00 | 082504SK136BSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 8/25/2004 0:00 | 082504SK136BSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 8/25/2004 0:00 | 082504SK136BSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 8/25/2004 0:00 | 082504SK136BSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 8/25/2004 0:00 | 082504SK136BSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 8/25/2004 0:00 | 082504SK136BSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 8/25/2004 0:00 | 082504SK136BSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 8/25/2004 0:00 | 082504SK136BSW001 | Calcium | 9260 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 8/25/2004 0:00 | 082504SK136BSW001 | Calcium | 9270 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 8/25/2004 0:00 | 082504SK136BSW001 | Chloride | 0.651 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 8/25/2004 0:00 | 082504SK136BSW001 | Chromium | 0.184 | UG/L | BQ1,J | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 8/25/2004 0:00 | 082504SK136BSW001 | Chromium | 0.247 | UG/L | BQ1 | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 8/25/2004 0:00 | 082504SK136BSW001 | Cobalt | 0.0809 | UG/L | BQ1,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 8/25/2004 0:00 | 082504SK136BSW001 | Cobalt | 0.496 | UG/L | BQ1 | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 8/25/2004 0:00 | 082504SK136BSW001 | Copper | 2.71 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 8/25/2004 0:00 | 082504SK136BSW001 | Copper | 2.17 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 8/25/2004 0:00 | 082504SK136BSW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 8/25/2004 0:00 | 082504SK136BSW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 8/25/2004 0:00 | 082504SK136BSW001 | Fluoride | 0.057 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK136B | 8/25/2004 0:00 | 082504SK136BSW001 | Hardness as CaCO3 | 31.6 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 8/25/2004 0:00 | 082504SK136BSW001 | Hardness as CaCO3 | 31.8 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 8/25/2004 0:00 | 082504SK136BSW001 | Iron | 344 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 8/25/2004 0:00 | 082504SK136BSW001 | Iron | 189 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 8/25/2004 0:00 | 082504SK136BSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 8/25/2004 0:00 | 082504SK136BSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 8/25/2004 0:00 | 082504SK136BSW001 | Magnesium | 2070 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 8/25/2004 0:00 | 082504SK136BSW001 | Magnesium | 2100 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 8/25/2004 0:00 | 082504SK136BSW001 | Manganese | 24.2 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 8/25/2004 0:00 | 082504SK136BSW001 | Manganese | 23 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 8/25/2004 0:00 | 082504SK136BSW001 | Molybdenum | 0.736 | UG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 8/25/2004 0:00 | 082504SK136BSW001 | Molybdenum | 0.467 | UG/L | J | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 8/25/2004 0:00 | 082504SK136BSW001 | Nickel | 0.727 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 8/25/2004 0:00 | 082504SK136BSW001 | Nickel | 0.847 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 8/25/2004 0:00 | 082504SK136BSW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 8/25/2004 0:00 | 082504SK136BSW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 8/25/2004 0:00 | 082504SK136BSW001 | pH | 7.65 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 8/25/2004 0:00 | 082504SK136BSW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 8/25/2004 0:00 | 082504SK136BSW001 | Potassium | 534 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 8/25/2004 0:00 | 082504SK136BSW001 | Potassium | 563 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 8/25/2004 0:00 | 082504SK136BSW001 | Selenium | 0.317 | UG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 8/25/2004 0:00 | 082504SK136BSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 8/25/2004 0:00 | 082504SK136BSW001 | Silicon | 4270 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 8/25/2004 0:00 | 082504SK136BSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 8/25/2004 0:00 | 082504SK136BSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 8/25/2004 0:00 | 082504SK136BSW001 | Sodium | 3390 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 8/25/2004 0:00 | 082504SK136BSW001 | Sodium | 3380 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 8/25/2004 0:00 | 082504SK136BSW001 | Specific Conductance | 100 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 8/25/2004 0:00 | 082504SK136BSW001 | Sulfate | 21 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 8/25/2004 0:00 | 082504SK136BSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 8/25/2004 0:00 | 082504SK136BSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 8/25/2004 0:00 | 082504SK136BSW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK136B | 8/25/2004 0:00 | 082504SK136BSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 8/25/2004 0:00 | 082504SK136BSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 8/25/2004 0:00 | 082504SK136BSW001 | Total Dissolved Solids | 58.8 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 8/25/2004 0:00 | 082504SK136BSW001 | Total Suspended Solids | 0.6 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 8/25/2004 0:00 | 082504SK136BSW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 8/25/2004 0:00 | 082504SK136BSW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 8/25/2004 0:00 | 082504SK136BSW001 | Zinc | 0.864 | UG/L | BQ1,J | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 8/25/2004 0:00 | 082504SK136BSW001 | Zinc | 1.21 | UG/L | BQ1,J | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 9/14/2004 0:00 | 091404SK136BSW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 9/14/2004 0:00 | 091404SK136BSW001 | Alkalinity, Total | 20.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 9/14/2004 0:00 | 091404SK136BSW001 | Aluminum | 15.6 | UG/L | BQ,BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 9/14/2004 0:00 | 091404SK136BSW001 | Aluminum | 19.6 | UG/L | BQ,BQ1,J | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 9/14/2004 0:00 | 091404SK136BSW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 9/14/2004 0:00 | 091404SK136BSW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 9/14/2004 0:00 | 091404SK136BSW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 9/14/2004 0:00 | 091404SK136BSW001 | Arsenic | 0.296 | UG/L | J | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 9/14/2004 0:00 | 091404SK136BSW001 | Barium | 4.25 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 9/14/2004 0:00 | 091404SK136BSW001 | Barium | 4.4 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 9/14/2004 0:00 | 091404SK136BSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 9/14/2004 0:00 | 091404SK136BSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 9/14/2004 0:00 | 091404SK136BSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 9/14/2004 0:00 | 091404SK136BSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 9/14/2004 0:00 | 091404SK136BSW001 | Boron | 3.4 | UG/L | J | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 9/14/2004 0:00 | 091404SK136BSW001 | Boron | 5.1 | UG/L | J | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 9/14/2004 0:00 | 091404SK136BSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 9/14/2004 0:00 | 091404SK136BSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 9/14/2004 0:00 | 091404SK136BSW001 | Calcium | 8870 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 9/14/2004 0:00 | 091404SK136BSW001 | Calcium | 8870 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 9/14/2004 0:00 | 091404SK136BSW001 | Chloride | 0.792 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 9/14/2004 0:00 | 091404SK136BSW001 | Chromium | 0.204 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 9/14/2004 0:00 | 091404SK136BSW001 | Chromium | 0.625 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 9/14/2004 0:00 | 091404SK136BSW001 | Cobalt | 0.582 | UG/L | J,BQ1 | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK136B | 9/14/2004 0:00 | 091404SK136BSW001 | Cobalt | 0.0643 | UG/L | BQ1,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 9/14/2004 0:00 | 091404SK136BSW001 | Copper | 1.73 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 9/14/2004 0:00 | 091404SK136BSW001 | Copper | 2.13 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 9/14/2004 0:00 | 091404SK136BSW001 | Cyanide | 0.0028 | MG/L | BQ,J | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 9/14/2004 0:00 | 091404SK136BSW001 | Cyanide, Weak Acid Dissociable | 0.003 | MG/L | J | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 9/14/2004 0:00 | 091404SK136BSW001 | Fluoride | 0.112 | MG/L | BQ | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 9/14/2004 0:00 | 091404SK136BSW001 | Hardness as CaCO3 | 30.7 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 9/14/2004 0:00 | 091404SK136BSW001 | Hardness as CaCO3 | 30.8 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 9/14/2004 0:00 | 091404SK136BSW001 | Iron | 96.7 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 9/14/2004 0:00 | 091404SK136BSW001 | Iron | 203 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 9/14/2004 0:00 | 091404SK136BSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 9/14/2004 0:00 | 091404SK136BSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 9/14/2004 0:00 | 091404SK136BSW001 | Magnesium | 2110 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 9/14/2004 0:00 | 091404SK136BSW001 | Magnesium | 2080 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 9/14/2004 0:00 | 091404SK136BSW001 | Manganese | 16.5 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 9/14/2004 0:00 | 091404SK136BSW001 | Manganese | 17.7 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 9/14/2004 0:00 | 091404SK136BSW001 | Molybdenum | 0.566 | UG/L | J | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 9/14/2004 0:00 | 091404SK136BSW001 | Molybdenum | 0.563 | UG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 9/14/2004 0:00 | 091404SK136BSW001 | Nickel | 0.78 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 9/14/2004 0:00 | 091404SK136BSW001 | Nickel | 0.598 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 9/14/2004 0:00 | 091404SK136BSW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 9/14/2004 0:00 | 091404SK136BSW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 9/14/2004 0:00 | 091404SK136BSW001 | pH | 6.88 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 9/14/2004 0:00 | 091404SK136BSW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 9/14/2004 0:00 | 091404SK136BSW001 | Potassium | 522 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 9/14/2004 0:00 | 091404SK136BSW001 | Potassium | 514 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 9/14/2004 0:00 | 091404SK136BSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 9/14/2004 0:00 | 091404SK136BSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 9/14/2004 0:00 | 091404SK136BSW001 | Silicon | 5220 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 9/14/2004 0:00 | 091404SK136BSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 9/14/2004 0:00 | 091404SK136BSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 9/14/2004 0:00 | 091404SK136BSW001 | Sodium | 3430 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |

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Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK136B | 9/14/2004 0:00 | 091404SK136BSW001 | Sodium | 3330 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 9/14/2004 0:00 | 091404SK136BSW001 | Specific Conductance | 100 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 9/14/2004 0:00 | 091404SK136BSW001 | Sulfate | 24.6 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 9/14/2004 0:00 | 091404SK136BSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 9/14/2004 0:00 | 091404SK136BSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 9/14/2004 0:00 | 091404SK136BSW001 | Thiocyanate | 0.28 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 9/14/2004 0:00 | 091404SK136BSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 9/14/2004 0:00 | 091404SK136BSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 9/14/2004 0:00 | 091404SK136BSW001 | Total Dissolved Solids | 73.8 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 9/14/2004 0:00 | 091404SK136BSW001 | Total Suspended Solids | 0.737 | MG/L | | 0.526 | 0.158 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 9/14/2004 0:00 | 091404SK136BSW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 9/14/2004 0:00 | 091404SK136BSW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 9/14/2004 0:00 | 091404SK136BSW001 | Zinc | 1.07 | UG/L | BQ1,J | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 9/14/2004 0:00 | 091404SK136BSW001 | Zinc | 0.716 | UG/L | BQ1,J | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 10/16/2004 0:00 | 101604SK136BSW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 10/16/2004 0:00 | 101604SK136BSW001 | Alkalinity, Total | 15 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 10/16/2004 0:00 | 101604SK136BSW001 | Aluminum | 22.2 | UG/L | BQ,BQ1,J | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 10/16/2004 0:00 | 101604SK136BSW001 | Aluminum | 15.8 | UG/L | BQ,BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 10/16/2004 0:00 | 101604SK136BSW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 10/16/2004 0:00 | 101604SK136BSW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 10/16/2004 0:00 | 101604SK136BSW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 10/16/2004 0:00 | 101604SK136BSW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 10/16/2004 0:00 | 101604SK136BSW001 | Barium | 4.45 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 10/16/2004 0:00 | 101604SK136BSW001 | Barium | 4.12 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 10/16/2004 0:00 | 101604SK136BSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 10/16/2004 0:00 | 101604SK136BSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 10/16/2004 0:00 | 101604SK136BSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 10/16/2004 0:00 | 101604SK136BSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 10/16/2004 0:00 | 101604SK136BSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 10/16/2004 0:00 | 101604SK136BSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 10/16/2004 0:00 | 101604SK136BSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 10/16/2004 0:00 | 101604SK136BSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK136B | 10/16/2004 0:00 | 101604SK136BSW001 | Calcium | 7130 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 10/16/2004 0:00 | 101604SK136BSW001 | Calcium | 6760 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 10/16/2004 0:00 | 101604SK136BSW001 | Chloride | 1.33 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 10/16/2004 0:00 | 101604SK136BSW001 | Chromium | 0.175 | UG/L | J | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 10/16/2004 0:00 | 101604SK136BSW001 | Chromium | 0.186 | UG/L | BQ1,J | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 10/16/2004 0:00 | 101604SK136BSW001 | Cobalt | 0.889 | UG/L | J | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 10/16/2004 0:00 | 101604SK136BSW001 | Cobalt | 0.0415 | UG/L | BQ1,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 10/16/2004 0:00 | 101604SK136BSW001 | Copper | 2.49 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 10/16/2004 0:00 | 101604SK136BSW001 | Copper | 1.93 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 10/16/2004 0:00 | 101604SK136BSW001 | Cyanide | 0.005 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 10/16/2004 0:00 | 101604SK136BSW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 10/16/2004 0:00 | 101604SK136BSW001 | Fluoride | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 10/16/2004 0:00 | 101604SK136BSW001 | Hardness as CaCO3 | 24.5 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 10/16/2004 0:00 | 101604SK136BSW001 | Iron | 132 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 10/16/2004 0:00 | 101604SK136BSW001 | Iron | 75.8 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 10/16/2004 0:00 | 101604SK136BSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 10/16/2004 0:00 | 101604SK136BSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 10/16/2004 0:00 | 101604SK136BSW001 | Magnesium | 1600 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 10/16/2004 0:00 | 101604SK136BSW001 | Magnesium | 1630 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 10/16/2004 0:00 | 101604SK136BSW001 | Manganese | 8.67 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 10/16/2004 0:00 | 101604SK136BSW001 | Manganese | 8.94 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 10/16/2004 0:00 | 101604SK136BSW001 | Molybdenum | 0.501 | UG/L | J | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 10/16/2004 0:00 | 101604SK136BSW001 | Molybdenum | 0.513 | UG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 10/16/2004 0:00 | 101604SK136BSW001 | Nickel | 0.869 | UG/L | J | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 10/16/2004 0:00 | 101604SK136BSW001 | Nickel | 0.606 | UG/L | J | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 10/16/2004 0:00 | 101604SK136BSW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 10/16/2004 0:00 | 101604SK136BSW001 | Nitrogen, Nitrate-Nitrite | 0.35 | MG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 10/16/2004 0:00 | 101604SK136BSW001 | pH | 7.07 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 10/16/2004 0:00 | 101604SK136BSW001 | Phosphorus, Total (as P) | 0.04 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 10/16/2004 0:00 | 101604SK136BSW001 | Potassium | 481 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 10/16/2004 0:00 | 101604SK136BSW001 | Potassium | 449 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 10/16/2004 0:00 | 101604SK136BSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
South Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| SK136B | 10/16/2004 0:00 | 101604SK136BSW001 | Selenium | 0.324 | UG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 10/16/2004 0:00 | 101604SK136BSW001 | Silicon | 6040 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 10/16/2004 0:00 | 101604SK136BSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 10/16/2004 0:00 | 101604SK136BSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 10/16/2004 0:00 | 101604SK136BSW001 | Sodium | 2770 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 10/16/2004 0:00 | 101604SK136BSW001 | Sodium | 2820 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 10/16/2004 0:00 | 101604SK136BSW001 | Specific Conductance | 90 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 10/16/2004 0:00 | 101604SK136BSW001 | Sulfate | 21.3 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 10/16/2004 0:00 | 101604SK136BSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 10/16/2004 0:00 | 101604SK136BSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 10/16/2004 0:00 | 101604SK136BSW001 | Thiocyanate | 0.17 | MG/L | J | 1 | 0.059 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 10/16/2004 0:00 | 101604SK136BSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 10/16/2004 0:00 | 101604SK136BSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 10/16/2004 0:00 | 101604SK136BSW001 | Total Dissolved Solids | 48.8 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 10/16/2004 0:00 | 101604SK136BSW001 | Total Suspended Solids | 0.4 | MG/L | J | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 10/16/2004 0:00 | 101604SK136BSW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 10/16/2004 0:00 | 101604SK136BSW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| SK136B | 10/16/2004 0:00 | 101604SK136BSW001 | Zinc | 2.14 | UG/L | BQ1 | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| SK136B | 10/16/2004 0:00 | 101604SK136BSW001 | Zinc | 2.85 | UG/L | BQ1 | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

# APPENDIX 6-E
# 2004 Surface Water-quality Data Table

## North Fork Koktuli River

Pebble Project
North Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| NK100A | 4/29/2004 0:00 | 042904NK100ASW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 4/29/2004 0:00 | 042904NK100ASW001 | Alkalinity, Total | 13.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 4/29/2004 0:00 | 042904NK100ASW001 | Aluminum | 349 | UG/L | | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 4/29/2004 0:00 | 042904NK100ASW001 | Aluminum | 47.6 | UG/L | BQ1 | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 4/29/2004 0:00 | 042904NK100ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 4/29/2004 0:00 | 042904NK100ASW001 | Antimony | 0.127 | UG/L | J, BQ1 | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 4/29/2004 0:00 | 042904NK100ASW001 | Arsenic | 0.486 | UG/L | J | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 4/29/2004 0:00 | 042904NK100ASW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 4/29/2004 0:00 | 042904NK100ASW001 | Barium | 6.97 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 4/29/2004 0:00 | 042904NK100ASW001 | Barium | 4.99 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 4/29/2004 0:00 | 042904NK100ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 4/29/2004 0:00 | 042904NK100ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 4/29/2004 0:00 | 042904NK100ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 4/29/2004 0:00 | 042904NK100ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 4/29/2004 0:00 | 042904NK100ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 4/29/2004 0:00 | 042904NK100ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 4/29/2004 0:00 | 042904NK100ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 4/29/2004 0:00 | 042904NK100ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 4/29/2004 0:00 | 042904NK100ASW001 | Calcium | 3560 | UG/L | J | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 4/29/2004 0:00 | 042904NK100ASW001 | Calcium | 5730 | UG/L | J | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 4/29/2004 0:00 | 042904NK100ASW001 | Chloride | 0.85 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 4/29/2004 0:00 | 042904NK100ASW001 | Chromium | 0.384 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 4/29/2004 0:00 | 042904NK100ASW001 | Chromium | 0.311 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 4/29/2004 0:00 | 042904NK100ASW001 | Cobalt | 0.263 | UG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 4/29/2004 0:00 | 042904NK100ASW001 | Cobalt | 0.579 | UG/L | J | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 4/29/2004 0:00 | 042904NK100ASW001 | Copper | 1.25 | UG/L | BQ | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 4/29/2004 0:00 | 042904NK100ASW001 | Copper | 1 | UG/L | BQ | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 4/29/2004 0:00 | 042904NK100ASW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 4/29/2004 0:00 | 042904NK100ASW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
North Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| NK100A | 4/29/2004 0:00 | 042904NK100ASW001 | Fluoride | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 4/29/2004 0:00 | 042904NK100ASW001 | Hardness as CaCO3 | 13.1 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 4/29/2004 0:00 | 042904NK100ASW001 | Hardness as CaCO3 | 20.7 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 4/29/2004 0:00 | 042904NK100ASW001 | Iron | 788 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 4/29/2004 0:00 | 042904NK100ASW001 | Iron | 301 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 4/29/2004 0:00 | 042904NK100ASW001 | Lead | 0.364 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 4/29/2004 0:00 | 042904NK100ASW001 | Lead | 0.172 | UG/L | J, BQ1 | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 4/29/2004 0:00 | 042904NK100ASW001 | Magnesium | 1010 | UG/L | J | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 4/29/2004 0:00 | 042904NK100ASW001 | Magnesium | 1540 | UG/L | J | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 4/29/2004 0:00 | 042904NK100ASW001 | Manganese | 58.3 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 4/29/2004 0:00 | 042904NK100ASW001 | Manganese | 16.4 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 4/29/2004 0:00 | 042904NK100ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 4/29/2004 0:00 | 042904NK100ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 4/29/2004 0:00 | 042904NK100ASW001 | Nickel | 0.426 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 4/29/2004 0:00 | 042904NK100ASW001 | Nickel | 0.4 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 4/29/2004 0:00 | 042904NK100ASW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 4/29/2004 0:00 | 042904NK100ASW001 | Nitrogen, Nitrate-Nitrite | 0.04 | MG/L | J, J- | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 4/29/2004 0:00 | 042904NK100ASW001 | pH | 7 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 4/29/2004 0:00 | 042904NK100ASW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 4/29/2004 0:00 | 042904NK100ASW001 | Potassium | 409 | UG/L | J | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 4/29/2004 0:00 | 042904NK100ASW001 | Potassium | 628 | UG/L | J | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 4/29/2004 0:00 | 042904NK100ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 4/29/2004 0:00 | 042904NK100ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 4/29/2004 0:00 | 042904NK100ASW001 | Silicon | 3560 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 4/29/2004 0:00 | 042904NK100ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 4/29/2004 0:00 | 042904NK100ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 4/29/2004 0:00 | 042904NK100ASW001 | Sodium | 1910 | UG/L | J | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 4/29/2004 0:00 | 042904NK100ASW001 | Sodium | 3020 | UG/L | J | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 4/29/2004 0:00 | 042904NK100ASW001 | Specific Conductance | 36 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
North Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| NK100A | 4/29/2004 0:00 | 042904NK100ASW001 | Sulfate | 1.67 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 4/29/2004 0:00 | 042904NK100ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 4/29/2004 0:00 | 042904NK100ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 4/29/2004 0:00 | 042904NK100ASW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 4/29/2004 0:00 | 042904NK100ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 4/29/2004 0:00 | 042904NK100ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 4/29/2004 0:00 | 042904NK100ASW001 | Total Dissolved Solids | 40 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 4/29/2004 0:00 | 042904NK100ASW001 | Total Suspended Solids | 32.4 | MG/L | | 1 | 0.3 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 4/29/2004 0:00 | 042904NK100ASW001 | Vanadium | 1.22 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 4/29/2004 0:00 | 042904NK100ASW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 4/29/2004 0:00 | 042904NK100ASW001 | Zinc | 4.36 | UG/L | BQ | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 4/29/2004 0:00 | 042904NK100ASW001 | Zinc | 5.53 | UG/L | | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 5/19/2004 0:00 | 051904NK100ASW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 5/19/2004 0:00 | 051904NK100ASW001 | Alkalinity, Total | 13.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 5/19/2004 0:00 | 051904NK100ASW001 | Aluminum | 55.4 | UG/L | | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 5/19/2004 0:00 | 051904NK100ASW001 | Aluminum | 29.4 | UG/L | | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 5/19/2004 0:00 | 051904NK100ASW001 | Antimony | 0.48 | UG/L | BQ1,BQ | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 5/19/2004 0:00 | 051904NK100ASW001 | Antimony | 0.141 | UG/L | J,BQ1,BQ | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 5/19/2004 0:00 | 051904NK100ASW001 | Arsenic | 0.353 | UG/L | J,BQ1 | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 5/19/2004 0:00 | 051904NK100ASW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 5/19/2004 0:00 | 051904NK100ASW001 | Barium | 3 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 5/19/2004 0:00 | 051904NK100ASW001 | Barium | 1.76 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 5/19/2004 0:00 | 051904NK100ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 5/19/2004 0:00 | 051904NK100ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 5/19/2004 0:00 | 051904NK100ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 5/19/2004 0:00 | 051904NK100ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 5/19/2004 0:00 | 051904NK100ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 5/19/2004 0:00 | 051904NK100ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 5/19/2004 0:00 | 051904NK100ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
North Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| NK100A | 5/19/2004 0:00 | 051904NK100ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 5/19/2004 0:00 | 051904NK100ASW001 | Calcium | 3030 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 5/19/2004 0:00 | 051904NK100ASW001 | Calcium | 2930 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 5/19/2004 0:00 | 051904NK100ASW001 | Chloride | 0.699 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 5/19/2004 0:00 | 051904NK100ASW001 | Chromium | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 5/19/2004 0:00 | 051904NK100ASW001 | Chromium | 0.103 | UG/L | J,BQ1 | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 5/19/2004 0:00 | 051904NK100ASW001 | Cobalt | 0.0543 | UG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 5/19/2004 0:00 | 051904NK100ASW001 | Cobalt | 0.285 | UG/L | J+ | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 5/19/2004 0:00 | 051904NK100ASW001 | Copper | 0.577 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 5/19/2004 0:00 | 051904NK100ASW001 | Copper | 0.428 | UG/L | BQ1,BQ | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 5/19/2004 0:00 | 051904NK100ASW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 5/19/2004 0:00 | 051904NK100ASW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 5/19/2004 0:00 | 051904NK100ASW001 | Fluoride | 0.038 | MG/L | J,BQ | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 5/19/2004 0:00 | 051904NK100ASW001 | Hardness as CaCO3 | 11 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 5/19/2004 0:00 | 051904NK100ASW001 | Hardness as CaCO3 | 10.7 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 5/19/2004 0:00 | 051904NK100ASW001 | Iron | 171 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 5/19/2004 0:00 | 051904NK100ASW001 | Iron | 98.8 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 5/19/2004 0:00 | 051904NK100ASW001 | Lead | 0.121 | UG/L | J,BQ1 | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 5/19/2004 0:00 | 051904NK100ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 5/19/2004 0:00 | 051904NK100ASW001 | Magnesium | 830 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 5/19/2004 0:00 | 051904NK100ASW001 | Magnesium | 827 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 5/19/2004 0:00 | 051904NK100ASW001 | Manganese | 7.81 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 5/19/2004 0:00 | 051904NK100ASW001 | Manganese | 5.64 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 5/19/2004 0:00 | 051904NK100ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 5/19/2004 0:00 | 051904NK100ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 5/19/2004 0:00 | 051904NK100ASW001 | Nickel | 0.218 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 5/19/2004 0:00 | 051904NK100ASW001 | Nickel | 0.217 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 5/19/2004 0:00 | 051904NK100ASW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 5/19/2004 0:00 | 051904NK100ASW001 | Nitrogen, Nitrate-Nitrite | 0.058 | MG/L | J- | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
North Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| NK100A | 5/19/2004 0:00 | 051904NK100ASW001 | pH | 7.2 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 5/19/2004 0:00 | 051904NK100ASW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 5/19/2004 0:00 | 051904NK100ASW001 | Potassium | 302 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 5/19/2004 0:00 | 051904NK100ASW001 | Potassium | 285 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 5/19/2004 0:00 | 051904NK100ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 5/19/2004 0:00 | 051904NK100ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 5/19/2004 0:00 | 051904NK100ASW001 | Silicon | 3680 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 5/19/2004 0:00 | 051904NK100ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 5/19/2004 0:00 | 051904NK100ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 5/19/2004 0:00 | 051904NK100ASW001 | Sodium | 1700 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 5/19/2004 0:00 | 051904NK100ASW001 | Sodium | 1880 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 5/19/2004 0:00 | 051904NK100ASW001 | Specific Conductance | 32 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 5/19/2004 0:00 | 051904NK100ASW001 | Sulfate | 1.6 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 5/19/2004 0:00 | 051904NK100ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 5/19/2004 0:00 | 051904NK100ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 5/19/2004 0:00 | 051904NK100ASW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 5/19/2004 0:00 | 051904NK100ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 5/19/2004 0:00 | 051904NK100ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 5/19/2004 0:00 | 051904NK100ASW001 | Total Dissolved Solids | 52.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 5/19/2004 0:00 | 051904NK100ASW001 | Total Suspended Solids | 1.2 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 5/19/2004 0:00 | 051904NK100ASW001 | Vanadium | 0.34 | UG/L | J,BQ1 | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 5/19/2004 0:00 | 051904NK100ASW001 | Vanadium | 0.383 | UG/L | J,BQ1,BQ | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 5/19/2004 0:00 | 051904NK100ASW001 | Zinc | 2.63 | UG/L | BQ1,BQ | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 5/19/2004 0:00 | 051904NK100ASW001 | Zinc | 2.21 | UG/L | BQ1 | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 6/2/2004 0:00 | 060204NK100ASW001 | Alkalinity, Total | 20.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 6/15/2004 0:00 | 061504NK100ASW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 6/15/2004 0:00 | 061504NK100ASW001 | Alkalinity, Total | 21.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 6/15/2004 0:00 | 061504NK100ASW001 | Aluminum | 9.94 | UG/L | BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 6/15/2004 0:00 | 061504NK100ASW001 | Aluminum | 15 | UG/L | BQ1,J | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
North Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| NK100A | 6/15/2004 0:00 | 061504NK100ASW001 | Antimony | 0.235 | UG/L | | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 6/15/2004 0:00 | 061504NK100ASW001 | Antimony | 0.763 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 6/15/2004 0:00 | 061504NK100ASW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 6/15/2004 0:00 | 061504NK100ASW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 6/15/2004 0:00 | 061504NK100ASW001 | Barium | 3 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 6/15/2004 0:00 | 061504NK100ASW001 | Barium | 3.21 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 6/15/2004 0:00 | 061504NK100ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 6/15/2004 0:00 | 061504NK100ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 6/15/2004 0:00 | 061504NK100ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 6/15/2004 0:00 | 061504NK100ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 6/15/2004 0:00 | 061504NK100ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 6/15/2004 0:00 | 061504NK100ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 6/15/2004 0:00 | 061504NK100ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 6/15/2004 0:00 | 061504NK100ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 6/15/2004 0:00 | 061504NK100ASW001 | Calcium | 4080 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 6/15/2004 0:00 | 061504NK100ASW001 | Calcium | 4150 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 6/15/2004 0:00 | 061504NK100ASW001 | Chloride | 0.674 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 6/15/2004 0:00 | 061504NK100ASW001 | Chromium | 0.128 | UG/L | J | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 6/15/2004 0:00 | 061504NK100ASW001 | Chromium | 0.107 | UG/L | J | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 6/15/2004 0:00 | 061504NK100ASW001 | Cobalt | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 6/15/2004 0:00 | 061504NK100ASW001 | Cobalt | 2.85 | UG/L | BQ1,J | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 6/15/2004 0:00 | 061504NK100ASW001 | Copper | 0.316 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 6/15/2004 0:00 | 061504NK100ASW001 | Copper | 0.269 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 6/15/2004 0:00 | 061504NK100ASW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 6/15/2004 0:00 | 061504NK100ASW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 6/15/2004 0:00 | 061504NK100ASW001 | Fluoride | 0.034 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 6/15/2004 0:00 | 061504NK100ASW001 | Hardness as CaCO3 | 14.8 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 6/15/2004 0:00 | 061504NK100ASW001 | Hardness as CaCO3 | 14.5 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 6/15/2004 0:00 | 061504NK100ASW001 | Iron | 53.5 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
North Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| NK100A | 6/15/2004 0:00 | 061504NK100ASW001 | Iron | 69.7 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 6/15/2004 0:00 | 061504NK100ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 6/15/2004 0:00 | 061504NK100ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 6/15/2004 0:00 | 061504NK100ASW001 | Magnesium | 1060 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 6/15/2004 0:00 | 061504NK100ASW001 | Magnesium | 1070 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 6/15/2004 0:00 | 061504NK100ASW001 | Manganese | 8.64 | UG/L | BQ1,J | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 6/15/2004 0:00 | 061504NK100ASW001 | Manganese | 5.32 | UG/L | BQ1,J | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 6/15/2004 0:00 | 061504NK100ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 6/15/2004 0:00 | 061504NK100ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 6/15/2004 0:00 | 061504NK100ASW001 | Nickel | 0.299 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 6/15/2004 0:00 | 061504NK100ASW001 | Nickel | 0.148 | UG/L | BQ1,J | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 6/15/2004 0:00 | 061504NK100ASW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 6/15/2004 0:00 | 061504NK100ASW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | R | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 6/15/2004 0:00 | 061504NK100ASW001 | pH | 7.16 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 6/15/2004 0:00 | 061504NK100ASW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 6/15/2004 0:00 | 061504NK100ASW001 | Potassium | 349 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 6/15/2004 0:00 | 061504NK100ASW001 | Potassium | 358 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 6/15/2004 0:00 | 061504NK100ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 6/15/2004 0:00 | 061504NK100ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 6/15/2004 0:00 | 061504NK100ASW001 | Silicon | 4150 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 6/15/2004 0:00 | 061504NK100ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 6/15/2004 0:00 | 061504NK100ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 6/15/2004 0:00 | 061504NK100ASW001 | Sodium | 2190 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 6/15/2004 0:00 | 061504NK100ASW001 | Sodium | 2210 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 6/15/2004 0:00 | 061504NK100ASW001 | Specific Conductance | 43 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 6/15/2004 0:00 | 061504NK100ASW001 | Sulfate | 2.23 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 6/15/2004 0:00 | 061504NK100ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 6/15/2004 0:00 | 061504NK100ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 6/15/2004 0:00 | 061504NK100ASW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
North Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| NK100A | 6/15/2004 0:00 | 061504NK100ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 6/15/2004 0:00 | 061504NK100ASW001 | Tin | 0.639 | UG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 6/15/2004 0:00 | 061504NK100ASW001 | Total Dissolved Solids | 42.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 6/15/2004 0:00 | 061504NK100ASW001 | Total Suspended Solids | 0.8 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 6/15/2004 0:00 | 061504NK100ASW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 6/15/2004 0:00 | 061504NK100ASW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 6/15/2004 0:00 | 061504NK100ASW001 | Zinc | 0.981 | UG/L | BQ1,J | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 6/15/2004 0:00 | 061504NK100ASW001 | Zinc | 0.684 | UG/L | BQ1,J | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 7/14/2004 0:00 | 071404NK100ASW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 7/14/2004 0:00 | 071404NK100ASW001 | Alkalinity, Total | 22 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 7/14/2004 0:00 | 071404NK100ASW001 | Aluminum | 21.8 | UG/L | BQ,BQ1,J | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 7/14/2004 0:00 | 071404NK100ASW001 | Aluminum | 13.5 | UG/L | BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 7/14/2004 0:00 | 071404NK100ASW001 | Antimony | 0.255 | UG/L | BQ1 | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 7/14/2004 0:00 | 071404NK100ASW001 | Antimony | 0.0816 | UG/L | BQ,BQ1,J | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 7/14/2004 0:00 | 071404NK100ASW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 7/14/2004 0:00 | 071404NK100ASW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 7/14/2004 0:00 | 071404NK100ASW001 | Barium | 3.85 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 7/14/2004 0:00 | 071404NK100ASW001 | Barium | 3.91 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 7/14/2004 0:00 | 071404NK100ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 7/14/2004 0:00 | 071404NK100ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 7/14/2004 0:00 | 071404NK100ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 7/14/2004 0:00 | 071404NK100ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 7/14/2004 0:00 | 071404NK100ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 7/14/2004 0:00 | 071404NK100ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 7/14/2004 0:00 | 071404NK100ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 7/14/2004 0:00 | 071404NK100ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 7/14/2004 0:00 | 071404NK100ASW001 | Calcium | 4860 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 7/14/2004 0:00 | 071404NK100ASW001 | Calcium | 5020 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 7/14/2004 0:00 | 071404NK100ASW001 | Chloride | 0.703 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
North Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| NK100A | 7/14/2004 0:00 | 071404NK100ASW001 | Chromium | 0.105 | UG/L | BQ1,J | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 7/14/2004 0:00 | 071404NK100ASW001 | Chromium | 0.149 | UG/L | BQ,BQ1,J | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 7/14/2004 0:00 | 071404NK100ASW001 | Cobalt | 0.0385 | UG/L | BQ1,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 7/14/2004 0:00 | 071404NK100ASW001 | Cobalt | 0.58 | UG/L | BQ1,J | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 7/14/2004 0:00 | 071404NK100ASW001 | Copper | 0.455 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 7/14/2004 0:00 | 071404NK100ASW001 | Copper | 0.373 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 7/14/2004 0:00 | 071404NK100ASW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 7/14/2004 0:00 | 071404NK100ASW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 7/14/2004 0:00 | 071404NK100ASW001 | Fluoride | 0.05 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 7/14/2004 0:00 | 071404NK100ASW001 | Hardness as CaCO3 | 17.8 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 7/14/2004 0:00 | 071404NK100ASW001 | Hardness as CaCO3 | 18.3 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 7/14/2004 0:00 | 071404NK100ASW001 | Iron | 32.9 | UG/L | BQ1 | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 7/14/2004 0:00 | 071404NK100ASW001 | Iron | 16.7 | UG/L | BQ1,J | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 7/14/2004 0:00 | 071404NK100ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 7/14/2004 0:00 | 071404NK100ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 7/14/2004 0:00 | 071404NK100ASW001 | Magnesium | 1370 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 7/14/2004 0:00 | 071404NK100ASW001 | Magnesium | 1410 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 7/14/2004 0:00 | 071404NK100ASW001 | Manganese | 7.3 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 7/14/2004 0:00 | 071404NK100ASW001 | Manganese | 6.67 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 7/14/2004 0:00 | 071404NK100ASW001 | Molybdenum | 0.326 | UG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 7/14/2004 0:00 | 071404NK100ASW001 | Molybdenum | 0.409 | UG/L | J | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 7/14/2004 0:00 | 071404NK100ASW001 | Nickel | 0.199 | UG/L | BQ1,J | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 7/14/2004 0:00 | 071404NK100ASW001 | Nickel | 0.397 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 7/14/2004 0:00 | 071404NK100ASW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 7/14/2004 0:00 | 071404NK100ASW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | | 2 | 0.62 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 7/14/2004 0:00 | 071404NK100ASW001 | pH | 7.6 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 7/14/2004 0:00 | 071404NK100ASW001 | Phosphorus, Total (as P) | 0.306 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 7/14/2004 0:00 | 071404NK100ASW001 | Potassium | 499 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 7/14/2004 0:00 | 071404NK100ASW001 | Potassium | 519 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |

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Pebble Project
North Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| NK100A | 7/14/2004 0:00 | 071404NK100ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 7/14/2004 0:00 | 071404NK100ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 7/14/2004 0:00 | 071404NK100ASW001 | Silicon | 5060 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 7/14/2004 0:00 | 071404NK100ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 7/14/2004 0:00 | 071404NK100ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 7/14/2004 0:00 | 071404NK100ASW001 | Sodium | 2780 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 7/14/2004 0:00 | 071404NK100ASW001 | Sodium | 2860 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 7/14/2004 0:00 | 071404NK100ASW001 | Specific Conductance | 60 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 7/14/2004 0:00 | 071404NK100ASW001 | Sulfate | 2.91 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 7/14/2004 0:00 | 071404NK100ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 7/14/2004 0:00 | 071404NK100ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 7/14/2004 0:00 | 071404NK100ASW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 7/14/2004 0:00 | 071404NK100ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 7/14/2004 0:00 | 071404NK100ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 7/14/2004 0:00 | 071404NK100ASW001 | Total Dissolved Solids | 36.3 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 7/14/2004 0:00 | 071404NK100ASW001 | Total Suspended Solids | 0.615 | MG/L | | 0.513 | 0.154 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 7/14/2004 0:00 | 071404NK100ASW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 7/14/2004 0:00 | 071404NK100ASW001 | Vanadium | 0.338 | UG/L | J | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 7/14/2004 0:00 | 071404NK100ASW001 | Zinc | 0.558 | UG/L | BQ1,J | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 7/14/2004 0:00 | 071404NK100ASW001 | Zinc | 1.13 | UG/L | BQ1,J | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 8/14/2004 0:00 | 081404NK100ASW001 | Alkalinity, Total | 22.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | 1,1,1,2-Tetrachloroethane | 0 | UG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | 1,1,1-Trichloroethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | 1,1,2,2-Tetrachloroethane | 0 | UG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | 1,1,2-Trichloroethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | 1,1-Dichloroethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | 1,1-Dichloroethene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | 1,1-Dichloropropene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | 1,2,3-Trichlorobenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
North Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | 1,2,3-Trichloropropane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | 1,2,4-Trichlorobenzene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | 1,2,4-Trichlorobenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | 1,2,4-Trimethylbenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | 1,2-Dibromo-3-chloropropane | 0 | UG/L | | 2 | 0.62 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | 1,2-Dibromoethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | 1,2-Dichlorobenzene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | 1,2-Dichlorobenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | 1,2-Dichloroethane | 0 | UG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | 1,2-Dichloropropane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | 1,3,5-Trimethylbenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | 1,3-Dichlorobenzene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | 1,3-Dichlorobenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | 1,3-Dichloropropane | 0 | UG/L | | 0.4 | 0.12 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | 1,4-Dichlorobenzene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | 1,4-Dichlorobenzene | 0 | UG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | 1-Chlorohexane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | 2,2-Dichloropropane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | 2,4,5-Trichlorophenol | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | 2,4,6-Trichlorophenol | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | 2,4-Dichlorophenol | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | 2,4-Dimethylphenol | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | 2,4-Dinitrophenol | 0 | UG/L | | 71 | 21 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | 2,4-Dinitrotoluene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | 2,6-Dinitrotoluene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | 2-Butanone | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | 2-Chloroethyl vinyl ether | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | 2-Chloronaphthalene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | 2-Chlorophenol | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
North Fork Koktuli River
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Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | 2-Chlorotoluene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | 2-Hexanone | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | 2-Methyl-4,6-dinitrophenol | 0 | UG/L | | 51 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | 2-Methylnaphthalene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | 2-Methylphenol (o-Cresol) | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | 2-Nitroaniline | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | 2-Nitrophenol | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | 3,3'-Dichlorobenzidine | 0 | UG/L | R | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | 3-Methylphenol/4-Methylphenol Coelution | 0 | UG/L | | 20 | 6.3 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | 3-Nitroaniline | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | 4,4'-DDD | 0 | UG/L | | 0.0309 | 0.0097 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | 4,4'-DDE | 0 | UG/L | | 0.0309 | 0.0097 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | 4,4'-DDT | 0 | UG/L | | 0.0309 | 0.0097 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | 4-Bromophenyl phenyl ether | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | 4-Chloro-3-methylphenol | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | 4-Chloroaniline | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | 4-Chlorophenyl phenyl ether | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | 4-Chlorotoluene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | 4-Isopropyltoluene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | 4-Methyl-2-pentanone | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | 4-Nitroaniline | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | 4-Nitrophenol | 0 | UG/L | | 51 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Acenaphthene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Acenaphthylene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Acetone | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Acrylonitrile | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Aldrin | 0 | UG/L | | 0.0515 | 0.0155 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Alkalinity, Total | 23 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
North Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | alpha-BHC | 0 | UG/L | | 0.0309 | 0.0097 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | alpha-Chlordane | 0 | UG/L | | 0.0309 | 0.0097 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Aluminum | 38 | UG/L | BQ,BQ1 | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Aluminum | 9.94 | UG/L | BQ,BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Aniline | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Anthracene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Arsenic | 0.303 | UG/L | J | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Azobenzene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Barium | 3.69 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Barium | 3.2 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Benzene | 0 | UG/L | | 0.4 | 0.12 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Benzo(a)anthracene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Benzo(a)pyrene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Benzo(b)fluoranthene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Benzo(g,h,i)perylene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Benzo(k)fluoranthene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Benzoic acid | 0 | UG/L | | 51 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Benzyl alcohol | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Benzyl butyl phthalate | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | beta-BHC | 0 | UG/L | | 0.103 | 0.032 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | bis-(2-Chloroethoxy)methane | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | bis-(2-Chloroethyl)ether | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | bis(2-Chloroisopropyl)ether | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | bis-(2-Ethylhexyl)phthalate | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |

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Pebble Project
North Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Bromobenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Bromochloromethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Bromodichloromethane | 0 | UG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Bromoform | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Bromomethane | 0 | UG/L | | 3 | 0.94 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Calcium | 4580 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Calcium | 4590 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Carbon disulfide | 0 | UG/L | | 2 | 0.62 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Carbon tetrachloride | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Chloride | 0.754 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Chlorobenzene | 0 | UG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Chloroethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Chloroform | 0 | UG/L | | 1 | 0.3 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Chloromethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Chromium | 0.447 | UG/L | BQ1 | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Chromium | 0.233 | UG/L | BQ1 | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Chrysene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | cis-1,2-Dichloroethene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | cis-1,3-Dichloropropene | 0 | UG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Cobalt | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Cobalt | 0.464 | UG/L | BQ1 | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Copper | 0.33 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Copper | 0.401 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |

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Pebble Project
North Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Cyanide, Weak Acid Dissociable | 0.003 | MG/L | J | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | delta-BHC | 0 | UG/L | | 0.0309 | 0.0097 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Dibenzo(a,h)anthracene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Dibenzofuran | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Dibromochloromethane | 0 | UG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Dibromomethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Dichlorodifluoromethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Dieldrin | 0 | UG/L | | 0.0309 | 0.0097 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Diethyl phthalate | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Dimethyl phthalate | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Di-n-butyl phthalate | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Di-n-octyl phthalate | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Endosulfan I | 0 | UG/L | | 0.0309 | 0.0097 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Endosulfan II | 0 | UG/L | | 0.0309 | 0.0097 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Endosulfan sulfate | 0 | UG/L | | 0.0309 | 0.0097 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Endrin | 0 | UG/L | | 0.0309 | 0.0097 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Endrin aldehyde | 0 | UG/L | | 0.0515 | 0.0155 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Endrin ketone | 0 | UG/L | | 0.0309 | 0.0155 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Ethylbenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Fluoranthene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Fluorene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Fluoride | 0.035 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | gamma-BHC (Lindane) | 0 | UG/L | | 0.0309 | 0.0103 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | gamma-Chlordane | 0 | UG/L | | 0.0309 | 0.0097 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Hardness as CaCO3 | 16.6 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Hardness as CaCO3 | 16.6 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Heptachlor | 0 | UG/L | | 0.103 | 0.0155 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Heptachlor epoxide | 0 | UG/L | | 0.0309 | 0.0097 | (N) Non-filtered (for metals, N depicts Total Metal) |

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North Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Hexachlorobenzene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Hexachlorobutadiene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Hexachlorobutadiene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Hexachlorocyclopentadiene | 0 | UG/L | | 31 | 9.6 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Hexachloroethane | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Indeno(1,2,3-cd)pyrene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Iron | 29.3 | UG/L | BQ1 | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Iron | 14.3 | UG/L | BQ1,J | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Isophorone | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Isopropylbenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Magnesium | 1260 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Magnesium | 1260 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Manganese | 6.61 | UG/L | BQ1 | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Manganese | 6.49 | UG/L | BQ1 | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Methoxychlor | 0 | UG/L | | 0.0309 | 0.0097 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Methyl iodide | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Methylene chloride | 0 | UG/L | | 5 | 1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Methyl-tert-butyl ether (MTBE) | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Molybdenum | 0.338 | UG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Molybdenum | 0.327 | UG/L | J | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Naphthalene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Naphthalene | 0 | UG/L | | 2 | 0.62 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | n-Butylbenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Nickel | 0.13 | UG/L | J | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Nickel | 0.374 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Nitrobenzene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |

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| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | n-Nitrosodimethylamine | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | n-Nitrosodi-n-propylamine | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | n-Nitrosodiphenylamine | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | n-Propylbenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | o-Xylene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Pentachlorophenol | 0 | UG/L | | 51 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | pH | 7.6 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Phenanthrene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Phenol | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Potassium | 435 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Potassium | 439 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Pyrene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | sec-Butylbenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Silicon | 5310 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Sodium | 2540 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Sodium | 2470 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Specific Conductance | 60 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Styrene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Sulfate | 2.88 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | tert-Butylbenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Tetrachloroethene (PCE) | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
North Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Toluene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Total Dissolved Solids | 40 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Total Suspended Solids | 0.923 | MG/L | | 0.513 | 0.154 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Toxaphene | 0 | UG/L | | 1.03 | 0.32 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | trans-1,2-Dichloroethene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | trans-1,3-Dichloropropene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | trans-1,4-Dichloro-2-butene | 0 | UG/L | | 2 | 0.62 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Trichloroethene (TCE) | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Trichlorofluoromethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Vinyl acetate | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Vinyl chloride | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Xylene, Isomers m & p | 0 | UG/L | | 2 | 0.62 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Zinc | 1.1 | UG/L | BQ1,J | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 8/24/2004 0:00 | 082404NK100ASW001 | Zinc | 1.3 | UG/L | BQ1,J | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 9/15/2004 0:00 | 091504NK100ASW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 9/15/2004 0:00 | 091504NK100ASW001 | Alkalinity, Total | 24 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 9/15/2004 0:00 | 091504NK100ASW001 | Aluminum | 20.2 | UG/L | BQ,BQ1,J | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 9/15/2004 0:00 | 091504NK100ASW001 | Aluminum | 9.7 | UG/L | BQ,BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 9/15/2004 0:00 | 091504NK100ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 9/15/2004 0:00 | 091504NK100ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 9/15/2004 0:00 | 091504NK100ASW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 9/15/2004 0:00 | 091504NK100ASW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 9/15/2004 0:00 | 091504NK100ASW001 | Barium | 3.96 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 9/15/2004 0:00 | 091504NK100ASW001 | Barium | 3.72 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
North Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| NK100A | 9/15/2004 0:00 | 091504NK100ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 9/15/2004 0:00 | 091504NK100ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 9/15/2004 0:00 | 091504NK100ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 9/15/2004 0:00 | 091504NK100ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 9/15/2004 0:00 | 091504NK100ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 9/15/2004 0:00 | 091504NK100ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 9/15/2004 0:00 | 091504NK100ASW001 | Cadmium | 0.0666 | UG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 9/15/2004 0:00 | 091504NK100ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 9/15/2004 0:00 | 091504NK100ASW001 | Calcium | 4800 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 9/15/2004 0:00 | 091504NK100ASW001 | Calcium | 4790 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 9/15/2004 0:00 | 091504NK100ASW001 | Chloride | 0.821 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 9/15/2004 0:00 | 091504NK100ASW001 | Chromium | 0.129 | UG/L | J | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 9/15/2004 0:00 | 091504NK100ASW001 | Chromium | 0.206 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 9/15/2004 0:00 | 091504NK100ASW001 | Cobalt | 0.0388 | UG/L | BQ1,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 9/15/2004 0:00 | 091504NK100ASW001 | Cobalt | 0.289 | UG/L | J,BQ1 | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 9/15/2004 0:00 | 091504NK100ASW001 | Copper | 0.848 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 9/15/2004 0:00 | 091504NK100ASW001 | Copper | 0.478 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 9/15/2004 0:00 | 091504NK100ASW001 | Cyanide | 0.003 | MG/L | BQ,J | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 9/15/2004 0:00 | 091504NK100ASW001 | Cyanide, Weak Acid Dissociable | 0.0039 | MG/L | J | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 9/15/2004 0:00 | 091504NK100ASW001 | Fluoride | 0.045 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 9/15/2004 0:00 | 091504NK100ASW001 | Hardness as CaCO3 | 17.6 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 9/15/2004 0:00 | 091504NK100ASW001 | Hardness as CaCO3 | 17.3 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 9/15/2004 0:00 | 091504NK100ASW001 | Iron | 72.8 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 9/15/2004 0:00 | 091504NK100ASW001 | Iron | 48.6 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 9/15/2004 0:00 | 091504NK100ASW001 | Lead | 2.14 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 9/15/2004 0:00 | 091504NK100ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 9/15/2004 0:00 | 091504NK100ASW001 | Magnesium | 1360 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 9/15/2004 0:00 | 091504NK100ASW001 | Magnesium | 1310 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 9/15/2004 0:00 | 091504NK100ASW001 | Manganese | 9.02 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
North Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| NK100A | 9/15/2004 0:00 | 091504NK100ASW001 | Manganese | 7.84 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 9/15/2004 0:00 | 091504NK100ASW001 | Molybdenum | 0.318 | UG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 9/15/2004 0:00 | 091504NK100ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 9/15/2004 0:00 | 091504NK100ASW001 | Nickel | 0.246 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 9/15/2004 0:00 | 091504NK100ASW001 | Nickel | 0.348 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 9/15/2004 0:00 | 091504NK100ASW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 9/15/2004 0:00 | 091504NK100ASW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 9/15/2004 0:00 | 091504NK100ASW001 | pH | 7.34 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 9/15/2004 0:00 | 091504NK100ASW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 9/15/2004 0:00 | 091504NK100ASW001 | Potassium | 436 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 9/15/2004 0:00 | 091504NK100ASW001 | Potassium | 415 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 9/15/2004 0:00 | 091504NK100ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 9/15/2004 0:00 | 091504NK100ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 9/15/2004 0:00 | 091504NK100ASW001 | Silicon | 5160 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 9/15/2004 0:00 | 091504NK100ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 9/15/2004 0:00 | 091504NK100ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 9/15/2004 0:00 | 091504NK100ASW001 | Sodium | 2710 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 9/15/2004 0:00 | 091504NK100ASW001 | Sodium | 2640 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 9/15/2004 0:00 | 091504NK100ASW001 | Specific Conductance | 60 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 9/15/2004 0:00 | 091504NK100ASW001 | Sulfate | 3.2 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 9/15/2004 0:00 | 091504NK100ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 9/15/2004 0:00 | 091504NK100ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 9/15/2004 0:00 | 091504NK100ASW001 | Thiocyanate | 0.24 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 9/15/2004 0:00 | 091504NK100ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 9/15/2004 0:00 | 091504NK100ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 9/15/2004 0:00 | 091504NK100ASW001 | Total Dissolved Solids | 48.8 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 9/15/2004 0:00 | 091504NK100ASW001 | Total Suspended Solids | 0.5 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 9/15/2004 0:00 | 091504NK100ASW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 9/15/2004 0:00 | 091504NK100ASW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
North Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| NK100A | 9/15/2004 0:00 | 091504NK100ASW001 | Zinc | 202 | UG/L | | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 9/15/2004 0:00 | 091504NK100ASW001 | Zinc | 1.78 | UG/L | BQ1 | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | 1,1,1,2-Tetrachloroethane | 0 | UG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | 1,1,1-Trichloroethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | 1,1,2,2-Tetrachloroethane | 0 | UG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | 1,1,2-Trichloroethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | 1,1-Dichloroethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | 1,1-Dichloroethene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | 1,1-Dichloropropene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | 1,2,3-Trichlorobenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | 1,2,3-Trichloropropane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | 1,2,4-Trichlorobenzene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | 1,2,4-Trichlorobenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | 1,2,4-Trimethylbenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | 1,2-Dibromo-3-chloropropane | 0 | UG/L | | 2 | 0.62 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | 1,2-Dibromoethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | 1,2-Dichlorobenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | 1,2-Dichlorobenzene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | 1,2-Dichloroethane | 0 | UG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | 1,2-Dichloropropane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | 1,3,5-Trimethylbenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | 1,3-Dichlorobenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | 1,3-Dichlorobenzene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | 1,3-Dichloropropane | 0 | UG/L | | 0.4 | 0.12 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | 1,4-Dichlorobenzene | 0 | UG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | 1,4-Dichlorobenzene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | 1-Chlorohexane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | 2,2-Dichloropropane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | 2,4,5-Trichlorophenol | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
North Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | 2,4,6-Trichlorophenol | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | 2,4-Dichlorophenol | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | 2,4-Dimethylphenol | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | 2,4-Dinitrophenol | 0 | UG/L | | 70 | 21 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | 2,4-Dinitrotoluene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | 2,6-Dinitrotoluene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | 2-Butanone | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | 2-Chloroethyl vinyl ether | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | 2-Chloronaphthalene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | 2-Chlorophenol | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | 2-Chlorotoluene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | 2-Hexanone | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | 2-Methyl-4,6-dinitrophenol | 0 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | 2-Methylnaphthalene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | 2-Methylphenol (o-Cresol) | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | 2-Nitroaniline | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | 2-Nitrophenol | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | 3,3'-Dichlorobenzidine | 0 | UG/L | J | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | 3-Methylphenol/4-Methylphenol Coelution | 0 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | 3-Nitroaniline | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | 4,4'-DDD | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | 4,4'-DDE | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | 4,4'-DDT | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | 4-Bromophenyl phenyl ether | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | 4-Chloro-3-methylphenol | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | 4-Chloroaniline | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | 4-Chlorophenyl phenyl ether | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | 4-Chlorotoluene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | 4-Isopropyltoluene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
North Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | 4-Methyl-2-pentanone | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | 4-Nitroaniline | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | 4-Nitrophenol | 0 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Acenaphthene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Acenaphthylene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Acetone | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Acrylonitrile | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Aldrin | 0 | UG/L | | 0.05 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Alkalinity, Total | 20 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | alpha-BHC | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | alpha-Chlordane | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Aluminum | 15.7 | UG/L | BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Aluminum | 28.4 | UG/L | BQ1 | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Aniline | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Anthracene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Azobenzene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Barium | 2.92 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Barium | 2.8 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Benzene | 0 | UG/L | | 0.4 | 0.12 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Benzo(a)anthracene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Benzo(a)pyrene | 0 | UG/L | J | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Benzo(b)fluoranthene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Benzo(g,h,i)perylene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Benzo(k)fluoranthene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
North Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Benzoic acid | 0 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Benzyl alcohol | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Benzyl butyl phthalate | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | beta-BHC | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | bis-(2-Chloroethoxy)methane | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | bis-(2-Chloroethyl)ether | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | bis(2-Chloroisopropyl)ether | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | bis-(2-Ethylhexyl)phthalate | 0 | UG/L | J | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Bromobenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Bromochloromethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Bromodichloromethane | 0 | UG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Bromoform | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Bromomethane | 0 | UG/L | | 3 | 0.94 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Calcium | 3910 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Calcium | 4060 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Carbon disulfide | 0 | UG/L | | 2 | 0.62 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Carbon tetrachloride | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Chloride | 1.06 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Chlorobenzene | 0 | UG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Chloroethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Chloroform | 0 | UG/L | | 1 | 0.3 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
North Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Chloromethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Chromium | 0.158 | UG/L | J | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Chromium | 0.236 | UG/L | BQ1 | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Chrysene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | cis-1,2-Dichloroethene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | cis-1,3-Dichloropropene | 0 | UG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Cobalt | 0.0402 | UG/L | BQ1,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Cobalt | 0.864 | UG/L | BQ1,J | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Copper | 0.369 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Copper | 0.372 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | delta-BHC | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Dibenzo(a,h)anthracene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Dibenzofuran | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Dibromochloromethane | 0 | UG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Dibromomethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Dichlorodifluoromethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Dieldrin | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Diethyl phthalate | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Dimethyl phthalate | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Di-n-butyl phthalate | 0 | UG/L | J | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Di-n-octyl phthalate | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Endosulfan I | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Endosulfan II | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Endosulfan sulfate | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Endrin | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Endrin aldehyde | 0 | UG/L | | 0.05 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Endrin ketone | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
North Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Ethylbenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Fluoranthene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Fluorene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Fluoride | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | gamma-BHC (Lindane) | 0 | UG/L | | 0.03 | 0.01 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | gamma-Chlordane | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Hardness as CaCO3 | 14.3 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Heptachlor | 0 | UG/L | | 0.1 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Heptachlor epoxide | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Hexachlorobenzene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Hexachlorobutadiene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Hexachlorobutadiene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Hexachlorocyclopentadiene | 0 | UG/L | | 30 | 9.4 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Hexachloroethane | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Indeno(1,2,3-cd)pyrene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Iron | 126 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Iron | 90.8 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Isophorone | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Isopropylbenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Lead | 0.219 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Magnesium | 1100 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Magnesium | 1130 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Manganese | 11.6 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Manganese | 12 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Methoxychlor | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Methyl iodide | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Methylene chloride | 0 | UG/L | | 5 | 1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Methyl-tert-butyl ether (MTBE) | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
North Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Naphthalene | 0 | UG/L | | 2 | 0.62 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Naphthalene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | n-Butylbenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Nickel | 0.167 | UG/L | J | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Nickel | 0.433 | UG/L | J | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Nitrobenzene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Nitrogen, Nitrate-Nitrite | 0.77 | MG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | n-Nitrosodimethylamine | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | n-Nitrosodi-n-propylamine | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | n-Nitrosodiphenylamine | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | n-Propylbenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | o-Xylene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Pentachlorophenol | 0 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | pH | 7.08 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Phenanthrene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Phenol | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Potassium | 322 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Potassium | 328 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Pyrene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | sec-Butylbenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Silicon | 5140 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
North Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Sodium | 2300 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Sodium | 2400 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Specific Conductance | 45 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Styrene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Sulfate | 2.58 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | tert-Butylbenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Tetrachloroethene (PCE) | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Thiocyanate | 0.2 | MG/L | J | 1 | 0.059 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Toluene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Total Dissolved Solids | 46.3 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Total Suspended Solids | 0.5 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Toxaphene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | trans-1,2-Dichloroethene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | trans-1,3-Dichloropropene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | trans-1,4-Dichloro-2-butene | 0 | UG/L | | 2 | 0.62 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Trichloroethene (TCE) | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Trichlorofluoromethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Vanadium | 0.261 | UG/L | J | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Vinyl acetate | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Vinyl chloride | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Xylene, Isomers m & p | 0 | UG/L | | 2 | 0.62 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Zinc | 0.527 | UG/L | BQ1,J | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100A | 10/17/2004 0:00 | 101704NK100ASW001 | Zinc | 2.88 | UG/L | BQ1,J | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 4/29/2004 0:00 | 042904NK100BSW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
North Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| NK100B | 4/29/2004 0:00 | 042904NK100BSW001 | Alkalinity, Total | 15 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 4/29/2004 0:00 | 042904NK100BSW001 | Aluminum | 115 | UG/L | | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 4/29/2004 0:00 | 042904NK100BSW001 | Aluminum | 13.9 | UG/L | J, BQ1 | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 4/29/2004 0:00 | 042904NK100BSW001 | Antimony | 0.235 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 4/29/2004 0:00 | 042904NK100BSW001 | Antimony | 0.253 | UG/L | BQ1 | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 4/29/2004 0:00 | 042904NK100BSW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 4/29/2004 0:00 | 042904NK100BSW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 4/29/2004 0:00 | 042904NK100BSW001 | Barium | 4.3 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 4/29/2004 0:00 | 042904NK100BSW001 | Barium | 3.02 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 4/29/2004 0:00 | 042904NK100BSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 4/29/2004 0:00 | 042904NK100BSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 4/29/2004 0:00 | 042904NK100BSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 4/29/2004 0:00 | 042904NK100BSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 4/29/2004 0:00 | 042904NK100BSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 4/29/2004 0:00 | 042904NK100BSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 4/29/2004 0:00 | 042904NK100BSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 4/29/2004 0:00 | 042904NK100BSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 4/29/2004 0:00 | 042904NK100BSW001 | Calcium | 4100 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 4/29/2004 0:00 | 042904NK100BSW001 | Calcium | 3970 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 4/29/2004 0:00 | 042904NK100BSW001 | Chloride | 0.824 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 4/29/2004 0:00 | 042904NK100BSW001 | Chromium | 0.251 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 4/29/2004 0:00 | 042904NK100BSW001 | Chromium | 0.306 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 4/29/2004 0:00 | 042904NK100BSW001 | Cobalt | 0.0816 | UG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 4/29/2004 0:00 | 042904NK100BSW001 | Cobalt | 3.9 | UG/L | J | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 4/29/2004 0:00 | 042904NK100BSW001 | Copper | 1.2 | UG/L | BQ | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 4/29/2004 0:00 | 042904NK100BSW001 | Copper | 0.466 | UG/L | BQ | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 4/29/2004 0:00 | 042904NK100BSW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 4/29/2004 0:00 | 042904NK100BSW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 4/29/2004 0:00 | 042904NK100BSW001 | Fluoride | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
North Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| NK100B | 4/29/2004 0:00 | 042904NK100BSW001 | Hardness as CaCO3 | 14.9 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 4/29/2004 0:00 | 042904NK100BSW001 | Hardness as CaCO3 | 14.4 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 4/29/2004 0:00 | 042904NK100BSW001 | Iron | 286 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 4/29/2004 0:00 | 042904NK100BSW001 | Iron | 102 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 4/29/2004 0:00 | 042904NK100BSW001 | Lead | 0.194 | UG/L | J | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 4/29/2004 0:00 | 042904NK100BSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 4/29/2004 0:00 | 042904NK100BSW001 | Magnesium | 1130 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 4/29/2004 0:00 | 042904NK100BSW001 | Magnesium | 1080 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 4/29/2004 0:00 | 042904NK100BSW001 | Manganese | 9.94 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 4/29/2004 0:00 | 042904NK100BSW001 | Manganese | 13.9 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 4/29/2004 0:00 | 042904NK100BSW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 4/29/2004 0:00 | 042904NK100BSW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 4/29/2004 0:00 | 042904NK100BSW001 | Nickel | 0.269 | UG/L | J | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 4/29/2004 0:00 | 042904NK100BSW001 | Nickel | 0.475 | UG/L | J | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 4/29/2004 0:00 | 042904NK100BSW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 4/29/2004 0:00 | 042904NK100BSW001 | Nitrogen, Nitrate-Nitrite | 0.073 | MG/L | J, J- | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 4/29/2004 0:00 | 042904NK100BSW001 | pH | 7 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 4/29/2004 0:00 | 042904NK100BSW001 | Phosphorus, Total (as P) | 0.043 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 4/29/2004 0:00 | 042904NK100BSW001 | Potassium | 496 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 4/29/2004 0:00 | 042904NK100BSW001 | Potassium | 467 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 4/29/2004 0:00 | 042904NK100BSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 4/29/2004 0:00 | 042904NK100BSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 4/29/2004 0:00 | 042904NK100BSW001 | Silicon | 4250 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 4/29/2004 0:00 | 042904NK100BSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 4/29/2004 0:00 | 042904NK100BSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 4/29/2004 0:00 | 042904NK100BSW001 | Sodium | 1990 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 4/29/2004 0:00 | 042904NK100BSW001 | Sodium | 1980 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 4/29/2004 0:00 | 042904NK100BSW001 | Specific Conductance | 43 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 4/29/2004 0:00 | 042904NK100BSW001 | Sulfate | 2.2 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
North Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| NK100B | 4/29/2004 0:00 | 042904NK100BSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 4/29/2004 0:00 | 042904NK100BSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 4/29/2004 0:00 | 042904NK100BSW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 4/29/2004 0:00 | 042904NK100BSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 4/29/2004 0:00 | 042904NK100BSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 4/29/2004 0:00 | 042904NK100BSW001 | Total Dissolved Solids | 30 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 4/29/2004 0:00 | 042904NK100BSW001 | Total Suspended Solids | 5.89 | MG/L | | 0.526 | 0.158 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 4/29/2004 0:00 | 042904NK100BSW001 | Vanadium | 0.51 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 4/29/2004 0:00 | 042904NK100BSW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 4/29/2004 0:00 | 042904NK100BSW001 | Zinc | 3.36 | UG/L | BQ | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 4/29/2004 0:00 | 042904NK100BSW001 | Zinc | 3.35 | UG/L | BQ | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 5/19/2004 0:00 | 051904NK100BSW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 5/19/2004 0:00 | 051904NK100BSW001 | Alkalinity, Total | 14 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 5/19/2004 0:00 | 051904NK100BSW001 | Aluminum | 45.7 | UG/L | BQ | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 5/19/2004 0:00 | 051904NK100BSW001 | Aluminum | 16.9 | UG/L | J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 5/19/2004 0:00 | 051904NK100BSW001 | Antimony | 0.0881 | UG/L | J,BQ1,BQ | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 5/19/2004 0:00 | 051904NK100BSW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 5/19/2004 0:00 | 051904NK100BSW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 5/19/2004 0:00 | 051904NK100BSW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 5/19/2004 0:00 | 051904NK100BSW001 | Barium | 2.79 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 5/19/2004 0:00 | 051904NK100BSW001 | Barium | 1.56 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 5/19/2004 0:00 | 051904NK100BSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 5/19/2004 0:00 | 051904NK100BSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 5/19/2004 0:00 | 051904NK100BSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 5/19/2004 0:00 | 051904NK100BSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 5/19/2004 0:00 | 051904NK100BSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 5/19/2004 0:00 | 051904NK100BSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 5/19/2004 0:00 | 051904NK100BSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 5/19/2004 0:00 | 051904NK100BSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
North Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| NK100B | 5/19/2004 0:00 | 051904NK100BSW001 | Calcium | 3280 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 5/19/2004 0:00 | 051904NK100BSW001 | Calcium | 3580 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 5/19/2004 0:00 | 051904NK100BSW001 | Chloride | 0.667 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 5/19/2004 0:00 | 051904NK100BSW001 | Chromium | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 5/19/2004 0:00 | 051904NK100BSW001 | Chromium | 0.19 | UG/L | J,BQ1 | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 5/19/2004 0:00 | 051904NK100BSW001 | Cobalt | 2.38 | UG/L | J+ | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 5/19/2004 0:00 | 051904NK100BSW001 | Cobalt | 0.0377 | UG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 5/19/2004 0:00 | 051904NK100BSW001 | Copper | 0.507 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 5/19/2004 0:00 | 051904NK100BSW001 | Copper | 0.602 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 5/19/2004 0:00 | 051904NK100BSW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 5/19/2004 0:00 | 051904NK100BSW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 5/19/2004 0:00 | 051904NK100BSW001 | Fluoride | 0.033 | MG/L | J,BQ | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 5/19/2004 0:00 | 051904NK100BSW001 | Hardness as CaCO3 | 12.3 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 5/19/2004 0:00 | 051904NK100BSW001 | Hardness as CaCO3 | 11.9 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 5/19/2004 0:00 | 051904NK100BSW001 | Iron | 104 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 5/19/2004 0:00 | 051904NK100BSW001 | Iron | 166 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 5/19/2004 0:00 | 051904NK100BSW001 | Lead | 0.128 | UG/L | J,BQ1 | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 5/19/2004 0:00 | 051904NK100BSW001 | Lead | 0.144 | UG/L | J,BQ1 | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 5/19/2004 0:00 | 051904NK100BSW001 | Magnesium | 906 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 5/19/2004 0:00 | 051904NK100BSW001 | Magnesium | 827 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 5/19/2004 0:00 | 051904NK100BSW001 | Manganese | 6.42 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 5/19/2004 0:00 | 051904NK100BSW001 | Manganese | 5.89 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 5/19/2004 0:00 | 051904NK100BSW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 5/19/2004 0:00 | 051904NK100BSW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 5/19/2004 0:00 | 051904NK100BSW001 | Nickel | 0.343 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 5/19/2004 0:00 | 051904NK100BSW001 | Nickel | 0.167 | UG/L | J,BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 5/19/2004 0:00 | 051904NK100BSW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 5/19/2004 0:00 | 051904NK100BSW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | R | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 5/19/2004 0:00 | 051904NK100BSW001 | pH | 6.5 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
North Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| NK100B | 5/19/2004 0:00 | 051904NK100BSW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 5/19/2004 0:00 | 051904NK100BSW001 | Potassium | 360 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 5/19/2004 0:00 | 051904NK100BSW001 | Potassium | 387 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 5/19/2004 0:00 | 051904NK100BSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 5/19/2004 0:00 | 051904NK100BSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 5/19/2004 0:00 | 051904NK100BSW001 | Silicon | 4370 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 5/19/2004 0:00 | 051904NK100BSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 5/19/2004 0:00 | 051904NK100BSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 5/19/2004 0:00 | 051904NK100BSW001 | Sodium | 1930 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 5/19/2004 0:00 | 051904NK100BSW001 | Sodium | 1870 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 5/19/2004 0:00 | 051904NK100BSW001 | Specific Conductance | 38 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 5/19/2004 0:00 | 051904NK100BSW001 | Sulfate | 1.87 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 5/19/2004 0:00 | 051904NK100BSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 5/19/2004 0:00 | 051904NK100BSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 5/19/2004 0:00 | 051904NK100BSW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 5/19/2004 0:00 | 051904NK100BSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 5/19/2004 0:00 | 051904NK100BSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 5/19/2004 0:00 | 051904NK100BSW001 | Total Dissolved Solids | 56.3 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 5/19/2004 0:00 | 051904NK100BSW001 | Total Suspended Solids | 1.3 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 5/19/2004 0:00 | 051904NK100BSW001 | Vanadium | 0.373 | UG/L | J,BQ1,BQ | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 5/19/2004 0:00 | 051904NK100BSW001 | Vanadium | 0.472 | UG/L | BQ1 | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 5/19/2004 0:00 | 051904NK100BSW001 | Zinc | 2.12 | UG/L | BQ1 | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 5/19/2004 0:00 | 051904NK100BSW001 | Zinc | 1.65 | UG/L | BQ1 | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 6/2/2004 0:00 | 060204NK100BSW001 | Alkalinity, Total | 22 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 8/24/2004 0:00 | 082404NK100BSW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 8/24/2004 0:00 | 082404NK100BSW001 | Alkalinity, Total | 27.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 8/24/2004 0:00 | 082404NK100BSW001 | Aluminum | 10.4 | UG/L | BQ,BQ1,J | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 8/24/2004 0:00 | 082404NK100BSW001 | Aluminum | 0 | UG/L | | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 8/24/2004 0:00 | 082404NK100BSW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |

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Pebble Project
North Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| NK100B | 8/24/2004 0:00 | 082404NK100BSW001 | Antimony | 6.35 | UG/L | | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 8/24/2004 0:00 | 082404NK100BSW001 | Arsenic | 0.423 | UG/L | J | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 8/24/2004 0:00 | 082404NK100BSW001 | Arsenic | 0.695 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 8/24/2004 0:00 | 082404NK100BSW001 | Barium | 2.4 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 8/24/2004 0:00 | 082404NK100BSW001 | Barium | 2.3 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 8/24/2004 0:00 | 082404NK100BSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 8/24/2004 0:00 | 082404NK100BSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 8/24/2004 0:00 | 082404NK100BSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 8/24/2004 0:00 | 082404NK100BSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 8/24/2004 0:00 | 082404NK100BSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 8/24/2004 0:00 | 082404NK100BSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 8/24/2004 0:00 | 082404NK100BSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 8/24/2004 0:00 | 082404NK100BSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 8/24/2004 0:00 | 082404NK100BSW001 | Calcium | 5800 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 8/24/2004 0:00 | 082404NK100BSW001 | Calcium | 5810 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 8/24/2004 0:00 | 082404NK100BSW001 | Chloride | 0.616 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 8/24/2004 0:00 | 082404NK100BSW001 | Chromium | 0.183 | UG/L | BQ1,J | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 8/24/2004 0:00 | 082404NK100BSW001 | Chromium | 0.856 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 8/24/2004 0:00 | 082404NK100BSW001 | Cobalt | 0.0429 | UG/L | BQ1,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 8/24/2004 0:00 | 082404NK100BSW001 | Cobalt | 0.81 | UG/L | BQ1 | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 8/24/2004 0:00 | 082404NK100BSW001 | Copper | 0.271 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 8/24/2004 0:00 | 082404NK100BSW001 | Copper | 0.319 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 8/24/2004 0:00 | 082404NK100BSW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 8/24/2004 0:00 | 082404NK100BSW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 8/24/2004 0:00 | 082404NK100BSW001 | Fluoride | 0.033 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 8/24/2004 0:00 | 082404NK100BSW001 | Hardness as CaCO3 | 21.5 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 8/24/2004 0:00 | 082404NK100BSW001 | Hardness as CaCO3 | 21.5 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 8/24/2004 0:00 | 082404NK100BSW001 | Iron | 199 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 8/24/2004 0:00 | 082404NK100BSW001 | Iron | 125 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
North Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| NK100B | 8/24/2004 0:00 | 082404NK100BSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 8/24/2004 0:00 | 082404NK100BSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 8/24/2004 0:00 | 082404NK100BSW001 | Magnesium | 1700 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 8/24/2004 0:00 | 082404NK100BSW001 | Magnesium | 1710 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 8/24/2004 0:00 | 082404NK100BSW001 | Manganese | 4.64 | UG/L | BQ1 | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 8/24/2004 0:00 | 082404NK100BSW001 | Manganese | 3.65 | UG/L | BQ1 | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 8/24/2004 0:00 | 082404NK100BSW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 8/24/2004 0:00 | 082404NK100BSW001 | Molybdenum | 0.516 | UG/L | J | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 8/24/2004 0:00 | 082404NK100BSW001 | Nickel | 0.17 | UG/L | J | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 8/24/2004 0:00 | 082404NK100BSW001 | Nickel | 0.529 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 8/24/2004 0:00 | 082404NK100BSW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 8/24/2004 0:00 | 082404NK100BSW001 | Nitrogen, Nitrate-Nitrite | 0.81 | MG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 8/24/2004 0:00 | 082404NK100BSW001 | pH | 7.6 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 8/24/2004 0:00 | 082404NK100BSW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 8/24/2004 0:00 | 082404NK100BSW001 | Potassium | 408 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 8/24/2004 0:00 | 082404NK100BSW001 | Potassium | 413 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 8/24/2004 0:00 | 082404NK100BSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 8/24/2004 0:00 | 082404NK100BSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 8/24/2004 0:00 | 082404NK100BSW001 | Silicon | 4700 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 8/24/2004 0:00 | 082404NK100BSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 8/24/2004 0:00 | 082404NK100BSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 8/24/2004 0:00 | 082404NK100BSW001 | Sodium | 2420 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 8/24/2004 0:00 | 082404NK100BSW001 | Sodium | 2410 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 8/24/2004 0:00 | 082404NK100BSW001 | Specific Conductance | 65 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 8/24/2004 0:00 | 082404NK100BSW001 | Sulfate | 2.32 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 8/24/2004 0:00 | 082404NK100BSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 8/24/2004 0:00 | 082404NK100BSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 8/24/2004 0:00 | 082404NK100BSW001 | Thiocyanate | 0.2 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 8/24/2004 0:00 | 082404NK100BSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
North Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| NK100B | 8/24/2004 0:00 | 082404NK100BSW001 | Tin | 5.2 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 8/24/2004 0:00 | 082404NK100BSW001 | Total Dissolved Solids | 37.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 8/24/2004 0:00 | 082404NK100BSW001 | Total Suspended Solids | 0.9 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 8/24/2004 0:00 | 082404NK100BSW001 | Vanadium | 0.427 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 8/24/2004 0:00 | 082404NK100BSW001 | Vanadium | 0.364 | UG/L | J | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 8/24/2004 0:00 | 082404NK100BSW001 | Zinc | 0.624 | UG/L | BQ1,J | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 8/24/2004 0:00 | 082404NK100BSW001 | Zinc | 1.65 | UG/L | BQ1 | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 9/15/2004 0:00 | 091504NK100BSW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 9/15/2004 0:00 | 091504NK100BSW001 | Alkalinity, Total | 29.8 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 9/15/2004 0:00 | 091504NK100BSW001 | Aluminum | 26.1 | UG/L | BQ,BQ1 | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 9/15/2004 0:00 | 091504NK100BSW001 | Aluminum | 16.1 | UG/L | BQ,BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 9/15/2004 0:00 | 091504NK100BSW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 9/15/2004 0:00 | 091504NK100BSW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 9/15/2004 0:00 | 091504NK100BSW001 | Arsenic | 0.305 | UG/L | J | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 9/15/2004 0:00 | 091504NK100BSW001 | Arsenic | 0.291 | UG/L | J | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 9/15/2004 0:00 | 091504NK100BSW001 | Barium | 3.06 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 9/15/2004 0:00 | 091504NK100BSW001 | Barium | 2.85 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 9/15/2004 0:00 | 091504NK100BSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 9/15/2004 0:00 | 091504NK100BSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 9/15/2004 0:00 | 091504NK100BSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 9/15/2004 0:00 | 091504NK100BSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 9/15/2004 0:00 | 091504NK100BSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 9/15/2004 0:00 | 091504NK100BSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 9/15/2004 0:00 | 091504NK100BSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 9/15/2004 0:00 | 091504NK100BSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 9/15/2004 0:00 | 091504NK100BSW001 | Calcium | 5790 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 9/15/2004 0:00 | 091504NK100BSW001 | Calcium | 5610 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 9/15/2004 0:00 | 091504NK100BSW001 | Chloride | 0.714 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 9/15/2004 0:00 | 091504NK100BSW001 | Chromium | 0.183 | UG/L | J | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
North Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| NK100B | 9/15/2004 0:00 | 091504NK100BSW001 | Chromium | 0.141 | UG/L | J | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 9/15/2004 0:00 | 091504NK100BSW001 | Cobalt | 0.0396 | UG/L | BQ1,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 9/15/2004 0:00 | 091504NK100BSW001 | Cobalt | 0.753 | UG/L | J,BQ1 | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 9/15/2004 0:00 | 091504NK100BSW001 | Copper | 0.292 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 9/15/2004 0:00 | 091504NK100BSW001 | Copper | 0.439 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 9/15/2004 0:00 | 091504NK100BSW001 | Cyanide | 0.003 | MG/L | BQ,J | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 9/15/2004 0:00 | 091504NK100BSW001 | Cyanide, Weak Acid Dissociable | 0.0027 | MG/L | J | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 9/15/2004 0:00 | 091504NK100BSW001 | Fluoride | 0.04 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 9/15/2004 0:00 | 091504NK100BSW001 | Hardness as CaCO3 | 21.5 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 9/15/2004 0:00 | 091504NK100BSW001 | Hardness as CaCO3 | 21.2 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 9/15/2004 0:00 | 091504NK100BSW001 | Iron | 244 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 9/15/2004 0:00 | 091504NK100BSW001 | Iron | 153 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 9/15/2004 0:00 | 091504NK100BSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 9/15/2004 0:00 | 091504NK100BSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 9/15/2004 0:00 | 091504NK100BSW001 | Magnesium | 1720 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 9/15/2004 0:00 | 091504NK100BSW001 | Magnesium | 1740 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 9/15/2004 0:00 | 091504NK100BSW001 | Manganese | 5.72 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 9/15/2004 0:00 | 091504NK100BSW001 | Manganese | 3.91 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 9/15/2004 0:00 | 091504NK100BSW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 9/15/2004 0:00 | 091504NK100BSW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 9/15/2004 0:00 | 091504NK100BSW001 | Nickel | 0.264 | UG/L | J,BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 9/15/2004 0:00 | 091504NK100BSW001 | Nickel | 0.549 | UG/L | J | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 9/15/2004 0:00 | 091504NK100BSW001 | Nitrogen, Ammonia (as N) | 0.048 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 9/15/2004 0:00 | 091504NK100BSW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 9/15/2004 0:00 | 091504NK100BSW001 | pH | 7.29 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 9/15/2004 0:00 | 091504NK100BSW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 9/15/2004 0:00 | 091504NK100BSW001 | Potassium | 450 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 9/15/2004 0:00 | 091504NK100BSW001 | Potassium | 411 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 9/15/2004 0:00 | 091504NK100BSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
North Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| NK100B | 9/15/2004 0:00 | 091504NK100BSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 9/15/2004 0:00 | 091504NK100BSW001 | Silicon | 5220 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 9/15/2004 0:00 | 091504NK100BSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 9/15/2004 0:00 | 091504NK100BSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 9/15/2004 0:00 | 091504NK100BSW001 | Sodium | 2540 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 9/15/2004 0:00 | 091504NK100BSW001 | Sodium | 2630 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 9/15/2004 0:00 | 091504NK100BSW001 | Specific Conductance | 65 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 9/15/2004 0:00 | 091504NK100BSW001 | Sulfate | 2.58 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 9/15/2004 0:00 | 091504NK100BSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 9/15/2004 0:00 | 091504NK100BSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 9/15/2004 0:00 | 091504NK100BSW001 | Thiocyanate | 0.23 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 9/15/2004 0:00 | 091504NK100BSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 9/15/2004 0:00 | 091504NK100BSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 9/15/2004 0:00 | 091504NK100BSW001 | Total Dissolved Solids | 55 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 9/15/2004 0:00 | 091504NK100BSW001 | Total Suspended Solids | 1.3 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 9/15/2004 0:00 | 091504NK100BSW001 | Vanadium | 0.332 | UG/L | J | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 9/15/2004 0:00 | 091504NK100BSW001 | Vanadium | 0.328 | UG/L | J | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 9/15/2004 0:00 | 091504NK100BSW001 | Zinc | 2.54 | UG/L | BQ1 | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 9/15/2004 0:00 | 091504NK100BSW001 | Zinc | 1.9 | UG/L | BQ1 | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 10/18/2004 0:00 | 101804NK100BSW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 10/18/2004 0:00 | 101804NK100BSW001 | Alkalinity, Total | 20 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 10/18/2004 0:00 | 101804NK100BSW001 | Aluminum | 35.9 | UG/L | BQ,BQ1 | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 10/18/2004 0:00 | 101804NK100BSW001 | Aluminum | 19.7 | UG/L | BQ,BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 10/18/2004 0:00 | 101804NK100BSW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 10/18/2004 0:00 | 101804NK100BSW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 10/18/2004 0:00 | 101804NK100BSW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 10/18/2004 0:00 | 101804NK100BSW001 | Arsenic | 0.33 | UG/L | J | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 10/18/2004 0:00 | 101804NK100BSW001 | Barium | 2.6 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 10/18/2004 0:00 | 101804NK100BSW001 | Barium | 2.45 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
North Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| NK100B | 10/18/2004 0:00 | 101804NK100BSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 10/18/2004 0:00 | 101804NK100BSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 10/18/2004 0:00 | 101804NK100BSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 10/18/2004 0:00 | 101804NK100BSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 10/18/2004 0:00 | 101804NK100BSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 10/18/2004 0:00 | 101804NK100BSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 10/18/2004 0:00 | 101804NK100BSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 10/18/2004 0:00 | 101804NK100BSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 10/18/2004 0:00 | 101804NK100BSW001 | Calcium | 4180 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 10/18/2004 0:00 | 101804NK100BSW001 | Calcium | 4130 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 10/18/2004 0:00 | 101804NK100BSW001 | Chloride | 0.924 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 10/18/2004 0:00 | 101804NK100BSW001 | Chromium | 0.234 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 10/18/2004 0:00 | 101804NK100BSW001 | Chromium | 0.265 | UG/L | BQ1 | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 10/18/2004 0:00 | 101804NK100BSW001 | Cobalt | 0.0403 | UG/L | BQ1,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 10/18/2004 0:00 | 101804NK100BSW001 | Cobalt | 0.847 | UG/L | BQ1,J | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 10/18/2004 0:00 | 101804NK100BSW001 | Copper | 3.36 | UG/L | J | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 10/18/2004 0:00 | 101804NK100BSW001 | Copper | 0.92 | UG/L | J | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 10/18/2004 0:00 | 101804NK100BSW001 | Cyanide | 0.0036 | MG/L | J | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 10/18/2004 0:00 | 101804NK100BSW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 10/18/2004 0:00 | 101804NK100BSW001 | Fluoride | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 10/18/2004 0:00 | 101804NK100BSW001 | Hardness as CaCO3 | 15.3 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 10/18/2004 0:00 | 101804NK100BSW001 | Iron | 151 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 10/18/2004 0:00 | 101804NK100BSW001 | Iron | 101 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 10/18/2004 0:00 | 101804NK100BSW001 | Lead | 0.138 | UG/L | J | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 10/18/2004 0:00 | 101804NK100BSW001 | Lead | 0.269 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 10/18/2004 0:00 | 101804NK100BSW001 | Magnesium | 1170 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 10/18/2004 0:00 | 101804NK100BSW001 | Magnesium | 1170 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 10/18/2004 0:00 | 101804NK100BSW001 | Manganese | 11 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 10/18/2004 0:00 | 101804NK100BSW001 | Manganese | 10.1 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
North Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| NK100B | 10/18/2004 0:00 | 101804NK100BSW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 10/18/2004 0:00 | 101804NK100BSW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 10/18/2004 0:00 | 101804NK100BSW001 | Nickel | 0.182 | UG/L | J | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 10/18/2004 0:00 | 101804NK100BSW001 | Nickel | 0.502 | UG/L | J | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 10/18/2004 0:00 | 101804NK100BSW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 10/18/2004 0:00 | 101804NK100BSW001 | Nitrogen, Nitrate-Nitrite | 0.37 | MG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 10/18/2004 0:00 | 101804NK100BSW001 | pH | 7.11 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 10/18/2004 0:00 | 101804NK100BSW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 10/18/2004 0:00 | 101804NK100BSW001 | Potassium | 329 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 10/18/2004 0:00 | 101804NK100BSW001 | Potassium | 335 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 10/18/2004 0:00 | 101804NK100BSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 10/18/2004 0:00 | 101804NK100BSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 10/18/2004 0:00 | 101804NK100BSW001 | Silicon | 5410 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 10/18/2004 0:00 | 101804NK100BSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 10/18/2004 0:00 | 101804NK100BSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 10/18/2004 0:00 | 101804NK100BSW001 | Sodium | 2030 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 10/18/2004 0:00 | 101804NK100BSW001 | Sodium | 2100 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 10/18/2004 0:00 | 101804NK100BSW001 | Specific Conductance | 48 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 10/18/2004 0:00 | 101804NK100BSW001 | Sulfate | 2.77 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 10/18/2004 0:00 | 101804NK100BSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 10/18/2004 0:00 | 101804NK100BSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 10/18/2004 0:00 | 101804NK100BSW001 | Thiocyanate | 0.41 | MG/L | J | 1 | 0.059 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 10/18/2004 0:00 | 101804NK100BSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 10/18/2004 0:00 | 101804NK100BSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 10/18/2004 0:00 | 101804NK100BSW001 | Total Dissolved Solids | 18.8 | MG/L | BQ | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 10/18/2004 0:00 | 101804NK100BSW001 | Total Suspended Solids | 0.9 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 10/18/2004 0:00 | 101804NK100BSW001 | Vanadium | 0.276 | UG/L | J | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100B | 10/18/2004 0:00 | 101804NK100BSW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100B | 10/18/2004 0:00 | 101804NK100BSW001 | Zinc | 3.63 | UG/L | BQ1,J | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
North Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| NK100B | 10/18/2004 0:00 | 101804NK100BSW001 | Zinc | 6.52 | UG/L | BQ1,J | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 4/30/2004 0:00 | 043004NK100CSW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 4/30/2004 0:00 | 043004NK100CSW001 | Alkalinity, Total | 13 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 4/30/2004 0:00 | 043004NK100CSW001 | Aluminum | 182 | UG/L | | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 4/30/2004 0:00 | 043004NK100CSW001 | Aluminum | 20.3 | UG/L | J, BQ1 | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 4/30/2004 0:00 | 043004NK100CSW001 | Antimony | 2.15 | UG/L | J, BQ1 | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 4/30/2004 0:00 | 043004NK100CSW001 | Antimony | 0 | UG/L | J | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 4/30/2004 0:00 | 043004NK100CSW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 4/30/2004 0:00 | 043004NK100CSW001 | Arsenic | 0.311 | UG/L | J | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 4/30/2004 0:00 | 043004NK100CSW001 | Barium | 2.29 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 4/30/2004 0:00 | 043004NK100CSW001 | Barium | 3.5 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 4/30/2004 0:00 | 043004NK100CSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 4/30/2004 0:00 | 043004NK100CSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 4/30/2004 0:00 | 043004NK100CSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 4/30/2004 0:00 | 043004NK100CSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 4/30/2004 0:00 | 043004NK100CSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 4/30/2004 0:00 | 043004NK100CSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 4/30/2004 0:00 | 043004NK100CSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 4/30/2004 0:00 | 043004NK100CSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 4/30/2004 0:00 | 043004NK100CSW001 | Calcium | 3210 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 4/30/2004 0:00 | 043004NK100CSW001 | Calcium | 3160 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 4/30/2004 0:00 | 043004NK100CSW001 | Chloride | 0.733 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 4/30/2004 0:00 | 043004NK100CSW001 | Chromium | 0.241 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 4/30/2004 0:00 | 043004NK100CSW001 | Chromium | 0.314 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 4/30/2004 0:00 | 043004NK100CSW001 | Cobalt | 0.54 | UG/L | J | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 4/30/2004 0:00 | 043004NK100CSW001 | Cobalt | 0.0889 | UG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 4/30/2004 0:00 | 043004NK100CSW001 | Copper | 0.686 | UG/L | J | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 4/30/2004 0:00 | 043004NK100CSW001 | Copper | 0.379 | UG/L | J | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 4/30/2004 0:00 | 043004NK100CSW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
North Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| NK100C | 4/30/2004 0:00 | 043004NK100CSW001 | Cyanide, Weak Acid Dissociable | 0.0037 | MG/L | J | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 4/30/2004 0:00 | 043004NK100CSW001 | Fluoride | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 4/30/2004 0:00 | 043004NK100CSW001 | Hardness as CaCO3 | 12 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 4/30/2004 0:00 | 043004NK100CSW001 | Hardness as CaCO3 | 11.8 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 4/30/2004 0:00 | 043004NK100CSW001 | Iron | 187 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 4/30/2004 0:00 | 043004NK100CSW001 | Iron | 425 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 4/30/2004 0:00 | 043004NK100CSW001 | Lead | 0.354 | UG/L | J, BQ1 | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 4/30/2004 0:00 | 043004NK100CSW001 | Lead | 0.115 | UG/L | J | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 4/30/2004 0:00 | 043004NK100CSW001 | Magnesium | 966 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 4/30/2004 0:00 | 043004NK100CSW001 | Magnesium | 939 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 4/30/2004 0:00 | 043004NK100CSW001 | Manganese | 17.2 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 4/30/2004 0:00 | 043004NK100CSW001 | Manganese | 25.7 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 4/30/2004 0:00 | 043004NK100CSW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 4/30/2004 0:00 | 043004NK100CSW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 4/30/2004 0:00 | 043004NK100CSW001 | Nickel | 0.243 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 4/30/2004 0:00 | 043004NK100CSW001 | Nickel | 0.185 | UG/L | J | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 4/30/2004 0:00 | 043004NK100CSW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 4/30/2004 0:00 | 043004NK100CSW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | R | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 4/30/2004 0:00 | 043004NK100CSW001 | pH | 7 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 4/30/2004 0:00 | 043004NK100CSW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 4/30/2004 0:00 | 043004NK100CSW001 | Potassium | 494 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 4/30/2004 0:00 | 043004NK100CSW001 | Potassium | 524 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 4/30/2004 0:00 | 043004NK100CSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 4/30/2004 0:00 | 043004NK100CSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 4/30/2004 0:00 | 043004NK100CSW001 | Silicon | 2670 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 4/30/2004 0:00 | 043004NK100CSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 4/30/2004 0:00 | 043004NK100CSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 4/30/2004 0:00 | 043004NK100CSW001 | Sodium | 1590 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 4/30/2004 0:00 | 043004NK100CSW001 | Sodium | 1570 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
North Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| NK100C | 4/30/2004 0:00 | 043004NK100CSW001 | Specific Conductance | 40 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 4/30/2004 0:00 | 043004NK100CSW001 | Sulfate | 1.42 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 4/30/2004 0:00 | 043004NK100CSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 4/30/2004 0:00 | 043004NK100CSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 4/30/2004 0:00 | 043004NK100CSW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 4/30/2004 0:00 | 043004NK100CSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 4/30/2004 0:00 | 043004NK100CSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 4/30/2004 0:00 | 043004NK100CSW001 | Total Dissolved Solids | 30 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 4/30/2004 0:00 | 043004NK100CSW001 | Total Suspended Solids | 3.4 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 4/30/2004 0:00 | 043004NK100CSW001 | Vanadium | 0.292 | UG/L | J | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 4/30/2004 0:00 | 043004NK100CSW001 | Vanadium | 0.548 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 4/30/2004 0:00 | 043004NK100CSW001 | Zinc | 4.77 | UG/L | J | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 4/30/2004 0:00 | 043004NK100CSW001 | Zinc | 2.3 | UG/L | J | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 5/19/2004 0:00 | 051904NK100CSW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 5/19/2004 0:00 | 051904NK100CSW001 | Alkalinity, Total | 17.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 5/19/2004 0:00 | 051904NK100CSW001 | Aluminum | 82 | UG/L | | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 5/19/2004 0:00 | 051904NK100CSW001 | Aluminum | 13.5 | UG/L | J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 5/19/2004 0:00 | 051904NK100CSW001 | Antimony | 0.206 | UG/L | BQ1 | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 5/19/2004 0:00 | 051904NK100CSW001 | Antimony | 0.152 | UG/L | J,BQ1,BQ | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 5/19/2004 0:00 | 051904NK100CSW001 | Arsenic | 0.326 | UG/L | J,BQ1 | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 5/19/2004 0:00 | 051904NK100CSW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 5/19/2004 0:00 | 051904NK100CSW001 | Barium | 2.26 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 5/19/2004 0:00 | 051904NK100CSW001 | Barium | 1.77 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 5/19/2004 0:00 | 051904NK100CSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 5/19/2004 0:00 | 051904NK100CSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 5/19/2004 0:00 | 051904NK100CSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 5/19/2004 0:00 | 051904NK100CSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 5/19/2004 0:00 | 051904NK100CSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 5/19/2004 0:00 | 051904NK100CSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
North Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| NK100C | 5/19/2004 0:00 | 051904NK100CSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 5/19/2004 0:00 | 051904NK100CSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 5/19/2004 0:00 | 051904NK100CSW001 | Calcium | 3650 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 5/19/2004 0:00 | 051904NK100CSW001 | Calcium | 3590 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 5/19/2004 0:00 | 051904NK100CSW001 | Chloride | 0.572 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 5/19/2004 0:00 | 051904NK100CSW001 | Chromium | 0.196 | UG/L | J,BQ1 | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 5/19/2004 0:00 | 051904NK100CSW001 | Chromium | 0.114 | UG/L | J,BQ1 | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 5/19/2004 0:00 | 051904NK100CSW001 | Cobalt | 0.061 | UG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 5/19/2004 0:00 | 051904NK100CSW001 | Cobalt | 2.8 | UG/L | J+ | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 5/19/2004 0:00 | 051904NK100CSW001 | Copper | 1.11 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 5/19/2004 0:00 | 051904NK100CSW001 | Copper | 0.347 | UG/L | BQ1,BQ | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 5/19/2004 0:00 | 051904NK100CSW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 5/19/2004 0:00 | 051904NK100CSW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 5/19/2004 0:00 | 051904NK100CSW001 | Fluoride | 0.037 | MG/L | J,BQ | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 5/19/2004 0:00 | 051904NK100CSW001 | Hardness as CaCO3 | 14 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 5/19/2004 0:00 | 051904NK100CSW001 | Hardness as CaCO3 | 13.7 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 5/19/2004 0:00 | 051904NK100CSW001 | Iron | 366 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 5/19/2004 0:00 | 051904NK100CSW001 | Iron | 213 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 5/19/2004 0:00 | 051904NK100CSW001 | Lead | 0.324 | UG/L | BQ1 | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 5/19/2004 0:00 | 051904NK100CSW001 | Lead | 0.138 | UG/L | J,BQ1 | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 5/19/2004 0:00 | 051904NK100CSW001 | Magnesium | 1180 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 5/19/2004 0:00 | 051904NK100CSW001 | Magnesium | 1150 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 5/19/2004 0:00 | 051904NK100CSW001 | Manganese | 18.6 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 5/19/2004 0:00 | 051904NK100CSW001 | Manganese | 17.4 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 5/19/2004 0:00 | 051904NK100CSW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 5/19/2004 0:00 | 051904NK100CSW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 5/19/2004 0:00 | 051904NK100CSW001 | Nickel | 0.231 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 5/19/2004 0:00 | 051904NK100CSW001 | Nickel | 0.369 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 5/19/2004 0:00 | 051904NK100CSW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
North Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| NK100C | 5/19/2004 0:00 | 051904NK100CSW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | R | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 5/19/2004 0:00 | 051904NK100CSW001 | pH | 7 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 5/19/2004 0:00 | 051904NK100CSW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 5/19/2004 0:00 | 051904NK100CSW001 | Potassium | 414 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 5/19/2004 0:00 | 051904NK100CSW001 | Potassium | 399 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 5/19/2004 0:00 | 051904NK100CSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 5/19/2004 0:00 | 051904NK100CSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 5/19/2004 0:00 | 051904NK100CSW001 | Silicon | 3930 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 5/19/2004 0:00 | 051904NK100CSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 5/19/2004 0:00 | 051904NK100CSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 5/19/2004 0:00 | 051904NK100CSW001 | Sodium | 1780 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 5/19/2004 0:00 | 051904NK100CSW001 | Sodium | 1720 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 5/19/2004 0:00 | 051904NK100CSW001 | Specific Conductance | 36 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 5/19/2004 0:00 | 051904NK100CSW001 | Sulfate | 1.73 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 5/19/2004 0:00 | 051904NK100CSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 5/19/2004 0:00 | 051904NK100CSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 5/19/2004 0:00 | 051904NK100CSW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 5/19/2004 0:00 | 051904NK100CSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 5/19/2004 0:00 | 051904NK100CSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 5/19/2004 0:00 | 051904NK100CSW001 | Total Dissolved Solids | 60 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 5/19/2004 0:00 | 051904NK100CSW001 | Total Suspended Solids | 3.38 | MG/L | | 0.513 | 0.154 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 5/19/2004 0:00 | 051904NK100CSW001 | Vanadium | 0.68 | UG/L | BQ1 | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 5/19/2004 0:00 | 051904NK100CSW001 | Vanadium | 0.465 | UG/L | BQ1,BQ | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 5/19/2004 0:00 | 051904NK100CSW001 | Zinc | 4.15 | UG/L | BQ1 | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 5/19/2004 0:00 | 051904NK100CSW001 | Zinc | 3.35 | UG/L | BQ1 | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 6/2/2004 0:00 | 060204NK100CSW001 | Alkalinity, Total | 25.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 6/15/2004 0:00 | 061504NK100CSW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 6/15/2004 0:00 | 061504NK100CSW001 | Alkalinity, Total | 25.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 6/15/2004 0:00 | 061504NK100CSW001 | Aluminum | 45.9 | UG/L | | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
North Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| NK100C | 6/15/2004 0:00 | 061504NK100CSW001 | Aluminum | 11.8 | UG/L | BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 6/15/2004 0:00 | 061504NK100CSW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 6/15/2004 0:00 | 061504NK100CSW001 | Antimony | 7 | UG/L | J | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 6/15/2004 0:00 | 061504NK100CSW001 | Arsenic | 0.401 | UG/L | J | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 6/15/2004 0:00 | 061504NK100CSW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 6/15/2004 0:00 | 061504NK100CSW001 | Barium | 3.28 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 6/15/2004 0:00 | 061504NK100CSW001 | Barium | 2.94 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 6/15/2004 0:00 | 061504NK100CSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 6/15/2004 0:00 | 061504NK100CSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 6/15/2004 0:00 | 061504NK100CSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 6/15/2004 0:00 | 061504NK100CSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 6/15/2004 0:00 | 061504NK100CSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 6/15/2004 0:00 | 061504NK100CSW001 | Boron | 4.48 | UG/L | BQ,J | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 6/15/2004 0:00 | 061504NK100CSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 6/15/2004 0:00 | 061504NK100CSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 6/15/2004 0:00 | 061504NK100CSW001 | Calcium | 5800 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 6/15/2004 0:00 | 061504NK100CSW001 | Calcium | 5390 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 6/15/2004 0:00 | 061504NK100CSW001 | Chloride | 0.612 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 6/15/2004 0:00 | 061504NK100CSW001 | Chromium | 2.01 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 6/15/2004 0:00 | 061504NK100CSW001 | Chromium | 0.269 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 6/15/2004 0:00 | 061504NK100CSW001 | Cobalt | 0.0658 | UG/L | BQ1,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 6/15/2004 0:00 | 061504NK100CSW001 | Cobalt | 2.68 | UG/L | BQ1,J | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 6/15/2004 0:00 | 061504NK100CSW001 | Copper | 0.637 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 6/15/2004 0:00 | 061504NK100CSW001 | Copper | 0.621 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 6/15/2004 0:00 | 061504NK100CSW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 6/15/2004 0:00 | 061504NK100CSW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 6/15/2004 0:00 | 061504NK100CSW001 | Fluoride | 0.047 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 6/15/2004 0:00 | 061504NK100CSW001 | Hardness as CaCO3 | 21.1 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 6/15/2004 0:00 | 061504NK100CSW001 | Hardness as CaCO3 | 19.7 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
North Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| NK100C | 6/15/2004 0:00 | 061504NK100CSW001 | Iron | 323 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 6/15/2004 0:00 | 061504NK100CSW001 | Iron | 156 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 6/15/2004 0:00 | 061504NK100CSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 6/15/2004 0:00 | 061504NK100CSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 6/15/2004 0:00 | 061504NK100CSW001 | Magnesium | 1610 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 6/15/2004 0:00 | 061504NK100CSW001 | Magnesium | 1520 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 6/15/2004 0:00 | 061504NK100CSW001 | Manganese | 16.9 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 6/15/2004 0:00 | 061504NK100CSW001 | Manganese | 15.2 | UG/L | BQ1 | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 6/15/2004 0:00 | 061504NK100CSW001 | Molybdenum | 0.545 | UG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 6/15/2004 0:00 | 061504NK100CSW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 6/15/2004 0:00 | 061504NK100CSW001 | Nickel | 0.358 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 6/15/2004 0:00 | 061504NK100CSW001 | Nickel | 0.361 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 6/15/2004 0:00 | 061504NK100CSW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 6/15/2004 0:00 | 061504NK100CSW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | R | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 6/15/2004 0:00 | 061504NK100CSW001 | pH | 7.2 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 6/15/2004 0:00 | 061504NK100CSW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 6/15/2004 0:00 | 061504NK100CSW001 | Potassium | 458 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 6/15/2004 0:00 | 061504NK100CSW001 | Potassium | 432 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 6/15/2004 0:00 | 061504NK100CSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 6/15/2004 0:00 | 061504NK100CSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 6/15/2004 0:00 | 061504NK100CSW001 | Silicon | 4070 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 6/15/2004 0:00 | 061504NK100CSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 6/15/2004 0:00 | 061504NK100CSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 6/15/2004 0:00 | 061504NK100CSW001 | Sodium | 2180 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 6/15/2004 0:00 | 061504NK100CSW001 | Sodium | 2300 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 6/15/2004 0:00 | 061504NK100CSW001 | Specific Conductance | 60 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 6/15/2004 0:00 | 061504NK100CSW001 | Sulfate | 2.35 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 6/15/2004 0:00 | 061504NK100CSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 6/15/2004 0:00 | 061504NK100CSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
North Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| NK100C | 6/15/2004 0:00 | 061504NK100CSW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 6/15/2004 0:00 | 061504NK100CSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 6/15/2004 0:00 | 061504NK100CSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 6/15/2004 0:00 | 061504NK100CSW001 | Total Dissolved Solids | 43.8 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 6/15/2004 0:00 | 061504NK100CSW001 | Total Suspended Solids | 2 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 6/15/2004 0:00 | 061504NK100CSW001 | Vanadium | 0.408 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 6/15/2004 0:00 | 061504NK100CSW001 | Vanadium | 0.478 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 6/15/2004 0:00 | 061504NK100CSW001 | Zinc | 1.82 | UG/L | BQ1 | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 6/15/2004 0:00 | 061504NK100CSW001 | Zinc | 2.14 | UG/L | BQ1 | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 7/14/2004 0:00 | 071404NK100CSW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 7/14/2004 0:00 | 071404NK100CSW001 | Alkalinity, Total | 29 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 7/14/2004 0:00 | 071404NK100CSW001 | Aluminum | 16.1 | UG/L | BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 7/14/2004 0:00 | 071404NK100CSW001 | Aluminum | 30.7 | UG/L | BQ,BQ1 | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 7/14/2004 0:00 | 071404NK100CSW001 | Antimony | 0 | UG/L | J | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 7/14/2004 0:00 | 071404NK100CSW001 | Antimony | 0.414 | UG/L | BQ,BQ1,J | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 7/14/2004 0:00 | 071404NK100CSW001 | Arsenic | 0.61 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 7/14/2004 0:00 | 071404NK100CSW001 | Arsenic | 0.67 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 7/14/2004 0:00 | 071404NK100CSW001 | Barium | 2.69 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 7/14/2004 0:00 | 071404NK100CSW001 | Barium | 3 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 7/14/2004 0:00 | 071404NK100CSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 7/14/2004 0:00 | 071404NK100CSW001 | Beryllium | 0.0165 | UG/L | J | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 7/14/2004 0:00 | 071404NK100CSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 7/14/2004 0:00 | 071404NK100CSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 7/14/2004 0:00 | 071404NK100CSW001 | Boron | 4.7 | UG/L | J | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 7/14/2004 0:00 | 071404NK100CSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 7/14/2004 0:00 | 071404NK100CSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 7/14/2004 0:00 | 071404NK100CSW001 | Cadmium | 0.0582 | UG/L | BQ1,J | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 7/14/2004 0:00 | 071404NK100CSW001 | Calcium | 6170 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 7/14/2004 0:00 | 071404NK100CSW001 | Calcium | 6530 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |

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Pebble Project
North Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| NK100C | 7/14/2004 0:00 | 071404NK100CSW001 | Chloride | 0.562 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 7/14/2004 0:00 | 071404NK100CSW001 | Chromium | 0.157 | UG/L | BQ1,J | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 7/14/2004 0:00 | 071404NK100CSW001 | Chromium | 0.254 | UG/L | BQ1 | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 7/14/2004 0:00 | 071404NK100CSW001 | Cobalt | 0.0649 | UG/L | BQ1,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 7/14/2004 0:00 | 071404NK100CSW001 | Cobalt | 0.921 | UG/L | BQ1,J | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 7/14/2004 0:00 | 071404NK100CSW001 | Copper | 0.218 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 7/14/2004 0:00 | 071404NK100CSW001 | Copper | 0.284 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 7/14/2004 0:00 | 071404NK100CSW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 7/14/2004 0:00 | 071404NK100CSW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 7/14/2004 0:00 | 071404NK100CSW001 | Fluoride | 0.038 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 7/14/2004 0:00 | 071404NK100CSW001 | Hardness as CaCO3 | 24 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 7/14/2004 0:00 | 071404NK100CSW001 | Hardness as CaCO3 | 23.5 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 7/14/2004 0:00 | 071404NK100CSW001 | Iron | 327 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 7/14/2004 0:00 | 071404NK100CSW001 | Iron | 204 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 7/14/2004 0:00 | 071404NK100CSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 7/14/2004 0:00 | 071404NK100CSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 7/14/2004 0:00 | 071404NK100CSW001 | Magnesium | 1970 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 7/14/2004 0:00 | 071404NK100CSW001 | Magnesium | 1870 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 7/14/2004 0:00 | 071404NK100CSW001 | Manganese | 12.7 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 7/14/2004 0:00 | 071404NK100CSW001 | Manganese | 8.35 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 7/14/2004 0:00 | 071404NK100CSW001 | Molybdenum | 0.334 | UG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 7/14/2004 0:00 | 071404NK100CSW001 | Molybdenum | 0.442 | UG/L | J | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 7/14/2004 0:00 | 071404NK100CSW001 | Nickel | 0.27 | UG/L | BQ1,J | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 7/14/2004 0:00 | 071404NK100CSW001 | Nickel | 0.652 | UG/L | J | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 7/14/2004 0:00 | 071404NK100CSW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 7/14/2004 0:00 | 071404NK100CSW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | | 2 | 0.62 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 7/14/2004 0:00 | 071404NK100CSW001 | pH | 7 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 7/14/2004 0:00 | 071404NK100CSW001 | Phosphorus, Total (as P) | 0.336 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 7/14/2004 0:00 | 071404NK100CSW001 | Potassium | 487 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |

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Pebble Project
North Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| NK100C | 7/14/2004 0:00 | 071404NK100CSW001 | Potassium | 482 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 7/14/2004 0:00 | 071404NK100CSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 7/14/2004 0:00 | 071404NK100CSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 7/14/2004 0:00 | 071404NK100CSW001 | Silicon | 4640 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 7/14/2004 0:00 | 071404NK100CSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 7/14/2004 0:00 | 071404NK100CSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 7/14/2004 0:00 | 071404NK100CSW001 | Sodium | 2580 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 7/14/2004 0:00 | 071404NK100CSW001 | Sodium | 2550 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 7/14/2004 0:00 | 071404NK100CSW001 | Specific Conductance | 60 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 7/14/2004 0:00 | 071404NK100CSW001 | Sulfate | 2.59 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 7/14/2004 0:00 | 071404NK100CSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 7/14/2004 0:00 | 071404NK100CSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 7/14/2004 0:00 | 071404NK100CSW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 7/14/2004 0:00 | 071404NK100CSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 7/14/2004 0:00 | 071404NK100CSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 7/14/2004 0:00 | 071404NK100CSW001 | Total Dissolved Solids | 48.8 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 7/14/2004 0:00 | 071404NK100CSW001 | Total Suspended Solids | 1.5 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 7/14/2004 0:00 | 071404NK100CSW001 | Vanadium | 0.662 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 7/14/2004 0:00 | 071404NK100CSW001 | Vanadium | 0.723 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 7/14/2004 0:00 | 071404NK100CSW001 | Zinc | 0.789 | UG/L | BQ1,J | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 7/14/2004 0:00 | 071404NK100CSW001 | Zinc | 1.6 | UG/L | BQ1 | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 8/16/2004 0:00 | 081604NK100CSW001 | Alkalinity, Total | 31.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | 1,1,1,2-Tetrachloroethane | 0 | UG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | 1,1,1-Trichloroethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | 1,1,2,2-Tetrachloroethane | 0 | UG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | 1,1,2-Trichloroethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | 1,1-Dichloroethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | 1,1-Dichloroethene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | 1,1-Dichloropropene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |

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Pebble Project
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Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | 1,2,3-Trichlorobenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | 1,2,3-Trichloropropane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | 1,2,4-Trichlorobenzene | 0 | UG/L | | 11 | 3.3 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | 1,2,4-Trichlorobenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | 1,2,4-Trimethylbenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | 1,2-Dibromo-3-chloropropane | 0 | UG/L | | 2 | 0.62 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | 1,2-Dibromoethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | 1,2-Dichlorobenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | 1,2-Dichlorobenzene | 0 | UG/L | | 11 | 3.3 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | 1,2-Dichloroethane | 0 | UG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | 1,2-Dichloropropane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | 1,3,5-Trimethylbenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | 1,3-Dichlorobenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | 1,3-Dichlorobenzene | 0 | UG/L | | 11 | 3.3 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | 1,3-Dichloropropane | 0 | UG/L | | 0.4 | 0.12 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | 1,4-Dichlorobenzene | 0 | UG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | 1,4-Dichlorobenzene | 0 | UG/L | | 11 | 3.3 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | 1-Chlorohexane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | 2,2-Dichloropropane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | 2,4,5-Trichlorophenol | 0 | UG/L | | 11 | 3.3 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | 2,4,6-Trichlorophenol | 0 | UG/L | | 11 | 3.3 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | 2,4-Dichlorophenol | 0 | UG/L | | 11 | 3.3 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | 2,4-Dimethylphenol | 0 | UG/L | | 11 | 3.3 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | 2,4-Dinitrophenol | 0 | UG/L | | 74 | 22 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | 2,4-Dinitrotoluene | 0 | UG/L | | 11 | 3.3 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | 2,6-Dinitrotoluene | 0 | UG/L | | 11 | 3.3 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | 2-Butanone | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | 2-Chloroethyl vinyl ether | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | 2-Chloronaphthalene | 0 | UG/L | | 11 | 3.3 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
North Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | 2-Chlorophenol | 0 | UG/L | | 11 | 3.3 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | 2-Chlorotoluene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | 2-Hexanone | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | 2-Methyl-4,6-dinitrophenol | 0 | UG/L | | 53 | 16 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | 2-Methylnaphthalene | 0 | UG/L | | 11 | 3.3 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | 2-Methylphenol (o-Cresol) | 0 | UG/L | | 11 | 3.3 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | 2-Nitroaniline | 0 | UG/L | | 11 | 3.3 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | 2-Nitrophenol | 0 | UG/L | | 11 | 3.3 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | 3,3'-Dichlorobenzidine | 0 | UG/L | R | 11 | 3.3 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | 3-Methylphenol/4-Methylphenol Coelution | 0 | UG/L | | 21 | 6.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | 3-Nitroaniline | 0 | UG/L | | 11 | 3.3 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | 4,4'-DDD | 0 | UG/L | | 0.0313 | 0.0098 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | 4,4'-DDE | 0 | UG/L | | 0.0313 | 0.0098 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | 4,4'-DDT | 0 | UG/L | | 0.0313 | 0.0098 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | 4-Bromophenyl phenyl ether | 0 | UG/L | | 11 | 3.3 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | 4-Chloro-3-methylphenol | 0 | UG/L | | 11 | 3.3 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | 4-Chloroaniline | 0 | UG/L | | 11 | 3.3 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | 4-Chlorophenyl phenyl ether | 0 | UG/L | | 11 | 3.3 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | 4-Chlorotoluene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | 4-Isopropyltoluene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | 4-Methyl-2-pentanone | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | 4-Nitroaniline | 0 | UG/L | | 11 | 3.3 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | 4-Nitrophenol | 0 | UG/L | | 53 | 16 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Acenaphthene | 0 | UG/L | | 11 | 3.3 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Acenaphthylene | 0 | UG/L | | 11 | 3.3 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Acetone | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Acrylonitrile | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Aldrin | 0 | UG/L | | 0.0521 | 0.0156 | (N) Non-filtered (for metals, N depicts Total Metal) |

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Pebble Project
North Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Alkalinity, Total | 31 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | alpha-BHC | 0 | UG/L | | 0.0313 | 0.0098 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | alpha-Chlordane | 0 | UG/L | | 0.0313 | 0.0098 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Aluminum | 7.88 | UG/L | BQ,BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Aluminum | 17.6 | UG/L | BQ,BQ1,J | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Aniline | 0 | UG/L | | 11 | 3.3 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Anthracene | 0 | UG/L | | 11 | 3.3 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Antimony | 0.0962 | UG/L | BQ1,J | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Arsenic | 0.57 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Arsenic | 0.586 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Azobenzene | 0 | UG/L | | 11 | 3.3 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Barium | 2.47 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Barium | 2.71 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Benzene | 0 | UG/L | | 0.4 | 0.12 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Benzo(a)anthracene | 0 | UG/L | | 11 | 3.3 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Benzo(a)pyrene | 0 | UG/L | | 11 | 3.3 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Benzo(b)fluoranthene | 0 | UG/L | | 11 | 3.3 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Benzo(g,h,i)perylene | 0 | UG/L | | 11 | 3.3 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Benzo(k)fluoranthene | 0 | UG/L | | 11 | 3.3 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Benzoic acid | 0 | UG/L | | 53 | 16 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Benzyl alcohol | 0 | UG/L | | 11 | 3.3 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Benzyl butyl phthalate | 0 | UG/L | | 11 | 3.3 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | beta-BHC | 0 | UG/L | | 0.104 | 0.0323 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | bis-(2-Chloroethoxy)methane | 0 | UG/L | | 11 | 3.3 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | bis-(2-Chloroethyl)ether | 0 | UG/L | | 11 | 3.3 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | bis(2-Chloroisopropyl)ether | 0 | UG/L | | 11 | 3.3 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
North Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | bis-(2-Ethylhexyl)phthalate | 0 | UG/L | | 11 | 3.3 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Bromobenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Bromochloromethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Bromodichloromethane | 0 | UG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Bromoform | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Bromomethane | 0 | UG/L | | 3 | 0.94 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Calcium | 6370 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Calcium | 6550 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Carbon disulfide | 0 | UG/L | | 2 | 0.62 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Carbon tetrachloride | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Chloride | 0.608 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Chlorobenzene | 0 | UG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Chloroethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Chloroform | 0 | UG/L | | 1 | 0.3 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Chloromethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Chromium | 0.228 | UG/L | BQ1 | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Chromium | 0.19 | UG/L | BQ1,J | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Chrysene | 0 | UG/L | | 11 | 3.3 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | cis-1,2-Dichloroethene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | cis-1,3-Dichloropropene | 0 | UG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Cobalt | 0.587 | UG/L | BQ1 | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Cobalt | 0.0544 | UG/L | BQ1,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Copper | 0.318 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
North Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Copper | 0.357 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | delta-BHC | 0 | UG/L | | 0.0313 | 0.0098 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Dibenzo(a,h)anthracene | 0 | UG/L | | 11 | 3.3 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Dibenzofuran | 0 | UG/L | | 11 | 3.3 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Dibromochloromethane | 0 | UG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Dibromomethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Dichlorodifluoromethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Dieldrin | 0 | UG/L | | 0.0313 | 0.0098 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Diethyl phthalate | 0 | UG/L | | 11 | 3.3 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Dimethyl phthalate | 0 | UG/L | | 11 | 3.3 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Di-n-butyl phthalate | 0 | UG/L | | 11 | 3.3 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Di-n-octyl phthalate | 0 | UG/L | | 11 | 3.3 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Endosulfan I | 0 | UG/L | | 0.0313 | 0.0098 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Endosulfan II | 0 | UG/L | | 0.0313 | 0.0098 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Endosulfan sulfate | 0 | UG/L | | 0.0313 | 0.0098 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Endrin | 0 | UG/L | | 0.0313 | 0.0098 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Endrin aldehyde | 0 | UG/L | | 0.0521 | 0.0156 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Endrin ketone | 0 | UG/L | | 0.0313 | 0.0156 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Ethylbenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Fluoranthene | 0 | UG/L | | 11 | 3.3 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Fluorene | 0 | UG/L | | 11 | 3.3 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Fluoride | 0.038 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | gamma-BHC (Lindane) | 0 | UG/L | | 0.0313 | 0.0104 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | gamma-Chlordane | 0 | UG/L | | 0.0313 | 0.0098 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Hardness as CaCO3 | 24.2 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Hardness as CaCO3 | 24.7 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Heptachlor | 0 | UG/L | | 0.104 | 0.0156 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
North Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Heptachlor epoxide | 0 | UG/L | | 0.0313 | 0.0098 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Hexachlorobenzene | 0 | UG/L | | 11 | 3.3 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Hexachlorobutadiene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Hexachlorobutadiene | 0 | UG/L | | 11 | 3.3 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Hexachlorocyclopentadiene | 0 | UG/L | | 32 | 9.9 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Hexachloroethane | 0 | UG/L | | 11 | 3.3 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Indeno(1,2,3-cd)pyrene | 0 | UG/L | | 11 | 3.3 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Iron | 181 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Iron | 279 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Isophorone | 0 | UG/L | | 11 | 3.3 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Isopropylbenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Lead | 0.113 | UG/L | BQ1,J | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Magnesium | 2000 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Magnesium | 2030 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Manganese | 7.75 | UG/L | BQ1 | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Manganese | 9.07 | UG/L | BQ1 | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Methoxychlor | 0 | UG/L | | 0.0313 | 0.0098 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Methyl iodide | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Methylene chloride | 0 | UG/L | | 5 | 1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Methyl-tert-butyl ether (MTBE) | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Naphthalene | 0 | UG/L | | 2 | 0.62 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Naphthalene | 0 | UG/L | | 11 | 3.3 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | n-Butylbenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Nickel | 0.414 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Nickel | 0.207 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Nitrobenzene | 0 | UG/L | | 11 | 3.3 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
North Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | n-Nitrosodimethylamine | 0 | UG/L | | 11 | 3.3 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | n-Nitrosodi-n-propylamine | 0 | UG/L | | 11 | 3.3 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | n-Nitrosodiphenylamine | 0 | UG/L | | 11 | 3.3 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | n-Propylbenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | o-Xylene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Pentachlorophenol | 0 | UG/L | | 53 | 16 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | pH | 8.1 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Phenanthrene | 0 | UG/L | | 11 | 3.3 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Phenol | 0 | UG/L | | 11 | 3.3 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Potassium | 476 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Potassium | 476 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Pyrene | 0 | UG/L | | 11 | 3.3 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | sec-Butylbenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Silicon | 4590 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Sodium | 2510 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Sodium | 2550 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Specific Conductance | 70 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Styrene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Sulfate | 2.52 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | tert-Butylbenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Tetrachloroethene (PCE) | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
North Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Thiocyanate | 0.14 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Toluene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Total Dissolved Solids | 51.3 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Total Suspended Solids | 1.7 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Toxaphene | 0 | UG/L | | 1.04 | 0.323 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | trans-1,2-Dichloroethene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | trans-1,3-Dichloropropene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | trans-1,4-Dichloro-2-butene | 0 | UG/L | | 2 | 0.62 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Trichloroethene (TCE) | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Trichlorofluoromethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Vanadium | 0.384 | UG/L | J | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Vanadium | 0.479 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Vinyl acetate | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Vinyl chloride | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Xylene, Isomers m & p | 0 | UG/L | | 2 | 0.62 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Zinc | 1.14 | UG/L | BQ1,J | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 8/24/2004 0:00 | 082404NK100CSW001 | Zinc | 1.41 | UG/L | BQ1,J | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 9/15/2004 0:00 | 091504NK100CSW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 9/15/2004 0:00 | 091504NK100CSW001 | Alkalinity, Total | 32.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 9/15/2004 0:00 | 091504NK100CSW001 | Aluminum | 19.9 | UG/L | BQ,BQ1,J | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 9/15/2004 0:00 | 091504NK100CSW001 | Aluminum | 12.9 | UG/L | BQ,BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 9/15/2004 0:00 | 091504NK100CSW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 9/15/2004 0:00 | 091504NK100CSW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 9/15/2004 0:00 | 091504NK100CSW001 | Arsenic | 0.557 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 9/15/2004 0:00 | 091504NK100CSW001 | Arsenic | 0.37 | UG/L | J | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 9/15/2004 0:00 | 091504NK100CSW001 | Barium | 3.51 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
North Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| NK100C | 9/15/2004 0:00 | 091504NK100CSW001 | Barium | 2.84 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 9/15/2004 0:00 | 091504NK100CSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 9/15/2004 0:00 | 091504NK100CSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 9/15/2004 0:00 | 091504NK100CSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 9/15/2004 0:00 | 091504NK100CSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 9/15/2004 0:00 | 091504NK100CSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 9/15/2004 0:00 | 091504NK100CSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 9/15/2004 0:00 | 091504NK100CSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 9/15/2004 0:00 | 091504NK100CSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 9/15/2004 0:00 | 091504NK100CSW001 | Calcium | 6510 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 9/15/2004 0:00 | 091504NK100CSW001 | Calcium | 5570 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 9/15/2004 0:00 | 091504NK100CSW001 | Chloride | 0.67 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 9/15/2004 0:00 | 091504NK100CSW001 | Chromium | 0.211 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 9/15/2004 0:00 | 091504NK100CSW001 | Chromium | 0.107 | UG/L | J | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 9/15/2004 0:00 | 091504NK100CSW001 | Cobalt | 0.0556 | UG/L | BQ1,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 9/15/2004 0:00 | 091504NK100CSW001 | Cobalt | 0.65 | UG/L | J,BQ1 | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 9/15/2004 0:00 | 091504NK100CSW001 | Copper | 0.315 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 9/15/2004 0:00 | 091504NK100CSW001 | Copper | 0.245 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 9/15/2004 0:00 | 091504NK100CSW001 | Cyanide | 0.003 | MG/L | BQ,J | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 9/15/2004 0:00 | 091504NK100CSW001 | Cyanide, Weak Acid Dissociable | 0.003 | MG/L | J | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 9/15/2004 0:00 | 091504NK100CSW001 | Fluoride | 0.07 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 9/15/2004 0:00 | 091504NK100CSW001 | Hardness as CaCO3 | 24.9 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 9/15/2004 0:00 | 091504NK100CSW001 | Hardness as CaCO3 | 22 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 9/15/2004 0:00 | 091504NK100CSW001 | Iron | 327 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 9/15/2004 0:00 | 091504NK100CSW001 | Iron | 182 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 9/15/2004 0:00 | 091504NK100CSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 9/15/2004 0:00 | 091504NK100CSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 9/15/2004 0:00 | 091504NK100CSW001 | Magnesium | 2100 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 9/15/2004 0:00 | 091504NK100CSW001 | Magnesium | 1950 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
North Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| NK100C | 9/15/2004 0:00 | 091504NK100CSW001 | Manganese | 7.74 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 9/15/2004 0:00 | 091504NK100CSW001 | Manganese | 9.66 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 9/15/2004 0:00 | 091504NK100CSW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 9/15/2004 0:00 | 091504NK100CSW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 9/15/2004 0:00 | 091504NK100CSW001 | Nickel | 0.3 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 9/15/2004 0:00 | 091504NK100CSW001 | Nickel | 0.442 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 9/15/2004 0:00 | 091504NK100CSW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 9/15/2004 0:00 | 091504NK100CSW001 | Nitrogen, Nitrate-Nitrite | 0.52 | MG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 9/15/2004 0:00 | 091504NK100CSW001 | pH | 7.22 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 9/15/2004 0:00 | 091504NK100CSW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 9/15/2004 0:00 | 091504NK100CSW001 | Potassium | 526 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 9/15/2004 0:00 | 091504NK100CSW001 | Potassium | 473 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 9/15/2004 0:00 | 091504NK100CSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 9/15/2004 0:00 | 091504NK100CSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 9/15/2004 0:00 | 091504NK100CSW001 | Silicon | 4990 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 9/15/2004 0:00 | 091504NK100CSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 9/15/2004 0:00 | 091504NK100CSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 9/15/2004 0:00 | 091504NK100CSW001 | Sodium | 2720 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 9/15/2004 0:00 | 091504NK100CSW001 | Sodium | 2550 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 9/15/2004 0:00 | 091504NK100CSW001 | Specific Conductance | 70 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 9/15/2004 0:00 | 091504NK100CSW001 | Sulfate | 2.74 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 9/15/2004 0:00 | 091504NK100CSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 9/15/2004 0:00 | 091504NK100CSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 9/15/2004 0:00 | 091504NK100CSW001 | Thiocyanate | 0.24 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 9/15/2004 0:00 | 091504NK100CSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 9/15/2004 0:00 | 091504NK100CSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 9/15/2004 0:00 | 091504NK100CSW001 | Total Dissolved Solids | 66.3 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 9/15/2004 0:00 | 091504NK100CSW001 | Total Suspended Solids | 1 | MG/L | | 1 | 0.3 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 9/15/2004 0:00 | 091504NK100CSW001 | Vanadium | 0.481 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
North Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| NK100C | 9/15/2004 0:00 | 091504NK100CSW001 | Vanadium | 0.448 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 9/15/2004 0:00 | 091504NK100CSW001 | Zinc | 1.08 | UG/L | BQ1,J | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 9/15/2004 0:00 | 091504NK100CSW001 | Zinc | 0.848 | UG/L | BQ1,J | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | 1,1,1,2-Tetrachloroethane | 0 | UG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | 1,1,1-Trichloroethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | 1,1,2,2-Tetrachloroethane | 0 | UG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | 1,1,2-Trichloroethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | 1,1-Dichloroethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | 1,1-Dichloroethene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | 1,1-Dichloropropene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | 1,2,3-Trichlorobenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | 1,2,3-Trichloropropane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | 1,2,4-Trichlorobenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | 1,2,4-Trichlorobenzene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | 1,2,4-Trimethylbenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | 1,2-Dibromo-3-chloropropane | 0 | UG/L | | 2 | 0.62 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | 1,2-Dibromoethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | 1,2-Dichlorobenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | 1,2-Dichlorobenzene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | 1,2-Dichloroethane | 0 | UG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | 1,2-Dichloropropane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | 1,3,5-Trimethylbenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | 1,3-Dichlorobenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | 1,3-Dichlorobenzene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | 1,3-Dichloropropane | 0 | UG/L | | 0.4 | 0.12 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | 1,4-Dichlorobenzene | 0 | UG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | 1,4-Dichlorobenzene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | 1-Chlorohexane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | 2,2-Dichloropropane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
North Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | 2,4,5-Trichlorophenol | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | 2,4,6-Trichlorophenol | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | 2,4-Dichlorophenol | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | 2,4-Dimethylphenol | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | 2,4-Dinitrophenol | 0 | UG/L | | 70 | 21 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | 2,4-Dinitrotoluene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | 2,6-Dinitrotoluene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | 2-Butanone | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | 2-Chloroethyl vinyl ether | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | 2-Chloronaphthalene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | 2-Chlorophenol | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | 2-Chlorotoluene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | 2-Hexanone | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | 2-Methyl-4,6-dinitrophenol | 0 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | 2-Methylnaphthalene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | 2-Methylphenol (o-Cresol) | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | 2-Nitroaniline | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | 2-Nitrophenol | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | 3,3'-Dichlorobenzidine | 0 | UG/L | J | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | 3-Methylphenol/4-Methylphenol Coelution | 0 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | 3-Nitroaniline | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | 4,4'-DDD | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | 4,4'-DDE | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | 4,4'-DDT | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | 4-Bromophenyl phenyl ether | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | 4-Chloro-3-methylphenol | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | 4-Chloroaniline | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | 4-Chlorophenyl phenyl ether | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | 4-Chlorotoluene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
North Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | 4-Isopropyltoluene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | 4-Methyl-2-pentanone | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | 4-Nitroaniline | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | 4-Nitrophenol | 0 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | Acenaphthene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | Acenaphthylene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | Acetone | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | Acrylonitrile | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | Aldrin | 0 | UG/L | | 0.05 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | alpha-BHC | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | alpha-Chlordane | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | Aniline | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | Anthracene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | Azobenzene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | Benzene | 0 | UG/L | | 0.4 | 0.12 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | Benzo(a)anthracene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | Benzo(a)pyrene | 0 | UG/L | J | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | Benzo(b)fluoranthene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | Benzo(g,h,i)perylene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | Benzo(k)fluoranthene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | Benzoic acid | 0 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | Benzyl alcohol | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | Benzyl butyl phthalate | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | beta-BHC | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | bis-(2-Chloroethoxy)methane | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | bis-(2-Chloroethyl)ether | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | bis(2-Chloroisopropyl)ether | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | bis-(2-Ethylhexyl)phthalate | 0 | UG/L | J | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | Bromobenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
North Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | Bromochloromethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | Bromodichloromethane | 0 | UG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | Bromoform | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | Bromomethane | 0 | UG/L | | 3 | 0.94 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | Carbon disulfide | 0 | UG/L | | 2 | 0.62 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | Carbon tetrachloride | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | Chlorobenzene | 0 | UG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | Chloroethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | Chloroform | 0 | UG/L | | 1 | 0.3 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | Chloromethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | Chrysene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | cis-1,2-Dichloroethene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | cis-1,3-Dichloropropene | 0 | UG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | delta-BHC | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | Dibenzo(a,h)anthracene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | Dibenzofuran | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | Dibromochloromethane | 0 | UG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | Dibromomethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | Dichlorodifluoromethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | Dieldrin | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | Diethyl phthalate | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | Dimethyl phthalate | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | Di-n-butyl phthalate | 0 | UG/L | J | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | Di-n-octyl phthalate | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | Endosulfan I | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | Endosulfan II | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | Endosulfan sulfate | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | Endrin | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | Endrin aldehyde | 0 | UG/L | | 0.05 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
North Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | Endrin ketone | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | Ethylbenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | Fluoranthene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | Fluorene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | gamma-BHC (Lindane) | 0 | UG/L | | 0.03 | 0.01 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | gamma-Chlordane | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | Heptachlor | 0 | UG/L | | 0.1 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | Heptachlor epoxide | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | Hexachlorobenzene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | Hexachlorobutadiene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | Hexachlorobutadiene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | Hexachlorocyclopentadiene | 0 | UG/L | | 30 | 9.4 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | Hexachloroethane | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | Indeno(1,2,3-cd)pyrene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | Isophorone | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | Isopropylbenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | Methoxychlor | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | Methyl iodide | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | Methylene chloride | 0 | UG/L | | 5 | 1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | Methyl-tert-butyl ether (MTBE) | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | Naphthalene | 0 | UG/L | | 2 | 0.62 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | Naphthalene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | n-Butylbenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | Nitrobenzene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | n-Nitrosodimethylamine | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | n-Nitrosodi-n-propylamine | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | n-Nitrosodiphenylamine | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | n-Propylbenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | o-Xylene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
North Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | Pentachlorophenol | 0 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | Phenanthrene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | Phenol | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | Pyrene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | sec-Butylbenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | Styrene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | tert-Butylbenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | Tetrachloroethene (PCE) | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | Toluene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | Toxaphene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | trans-1,2-Dichloroethene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | trans-1,3-Dichloropropene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | trans-1,4-Dichloro-2-butene | 0 | UG/L | | 2 | 0.62 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | Trichloroethene (TCE) | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | Trichlorofluoromethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | Vinyl acetate | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | Vinyl chloride | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/17/2004 0:00 | 101704NK100CSW001 | Xylene, Isomers m & p | 0 | UG/L | | 2 | 0.62 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/18/2004 0:00 | 101804NK100CSW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/18/2004 0:00 | 101804NK100CSW001 | Alkalinity, Total | 26.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/18/2004 0:00 | 101804NK100CSW001 | Aluminum | 33.5 | UG/L | BQ,BQ1 | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/18/2004 0:00 | 101804NK100CSW001 | Aluminum | 16.6 | UG/L | BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 10/18/2004 0:00 | 101804NK100CSW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/18/2004 0:00 | 101804NK100CSW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 10/18/2004 0:00 | 101804NK100CSW001 | Arsenic | 0.294 | UG/L | J | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/18/2004 0:00 | 101804NK100CSW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 10/18/2004 0:00 | 101804NK100CSW001 | Barium | 3.17 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/18/2004 0:00 | 101804NK100CSW001 | Barium | 2.85 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 10/18/2004 0:00 | 101804NK100CSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
North Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| NK100C | 10/18/2004 0:00 | 101804NK100CSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 10/18/2004 0:00 | 101804NK100CSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/18/2004 0:00 | 101804NK100CSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 10/18/2004 0:00 | 101804NK100CSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/18/2004 0:00 | 101804NK100CSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 10/18/2004 0:00 | 101804NK100CSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/18/2004 0:00 | 101804NK100CSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 10/18/2004 0:00 | 101804NK100CSW001 | Calcium | 5250 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/18/2004 0:00 | 101804NK100CSW001 | Calcium | 5070 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 10/18/2004 0:00 | 101804NK100CSW001 | Chloride | 0.86 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/18/2004 0:00 | 101804NK100CSW001 | Chromium | 0.285 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/18/2004 0:00 | 101804NK100CSW001 | Chromium | 0.231 | UG/L | BQ1 | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 10/18/2004 0:00 | 101804NK100CSW001 | Cobalt | 0.0555 | UG/L | BQ1,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/18/2004 0:00 | 101804NK100CSW001 | Cobalt | 1.03 | UG/L | BQ1,J | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 10/18/2004 0:00 | 101804NK100CSW001 | Copper | 0.359 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/18/2004 0:00 | 101804NK100CSW001 | Copper | 0.236 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 10/18/2004 0:00 | 101804NK100CSW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/18/2004 0:00 | 101804NK100CSW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/18/2004 0:00 | 101804NK100CSW001 | Fluoride | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/18/2004 0:00 | 101804NK100CSW001 | Hardness as CaCO3 | 19.6 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/18/2004 0:00 | 101804NK100CSW001 | Iron | 232 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/18/2004 0:00 | 101804NK100CSW001 | Iron | 137 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 10/18/2004 0:00 | 101804NK100CSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/18/2004 0:00 | 101804NK100CSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 10/18/2004 0:00 | 101804NK100CSW001 | Magnesium | 1580 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/18/2004 0:00 | 101804NK100CSW001 | Magnesium | 1590 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 10/18/2004 0:00 | 101804NK100CSW001 | Manganese | 20.2 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/18/2004 0:00 | 101804NK100CSW001 | Manganese | 17.4 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 10/18/2004 0:00 | 101804NK100CSW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
North Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| NK100C | 10/18/2004 0:00 | 101804NK100CSW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 10/18/2004 0:00 | 101804NK100CSW001 | Nickel | 0.203 | UG/L | J | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/18/2004 0:00 | 101804NK100CSW001 | Nickel | 0.516 | UG/L | J | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 10/18/2004 0:00 | 101804NK100CSW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/18/2004 0:00 | 101804NK100CSW001 | Nitrogen, Nitrate-Nitrite | 0.4 | MG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/18/2004 0:00 | 101804NK100CSW001 | pH | 7.15 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/18/2004 0:00 | 101804NK100CSW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/18/2004 0:00 | 101804NK100CSW001 | Potassium | 449 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/18/2004 0:00 | 101804NK100CSW001 | Potassium | 436 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 10/18/2004 0:00 | 101804NK100CSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/18/2004 0:00 | 101804NK100CSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 10/18/2004 0:00 | 101804NK100CSW001 | Silicon | 5540 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 10/18/2004 0:00 | 101804NK100CSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/18/2004 0:00 | 101804NK100CSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 10/18/2004 0:00 | 101804NK100CSW001 | Sodium | 2260 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/18/2004 0:00 | 101804NK100CSW001 | Sodium | 2260 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 10/18/2004 0:00 | 101804NK100CSW001 | Specific Conductance | 65 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/18/2004 0:00 | 101804NK100CSW001 | Sulfate | 2.47 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/18/2004 0:00 | 101804NK100CSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/18/2004 0:00 | 101804NK100CSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 10/18/2004 0:00 | 101804NK100CSW001 | Thiocyanate | 0.21 | MG/L | J | 1 | 0.059 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/18/2004 0:00 | 101804NK100CSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/18/2004 0:00 | 101804NK100CSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 10/18/2004 0:00 | 101804NK100CSW001 | Total Dissolved Solids | 31.3 | MG/L | BQ | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/18/2004 0:00 | 101804NK100CSW001 | Total Suspended Solids | 1.3 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/18/2004 0:00 | 101804NK100CSW001 | Vanadium | 0.357 | UG/L | J | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/18/2004 0:00 | 101804NK100CSW001 | Vanadium | 0.331 | UG/L | J | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100C | 10/18/2004 0:00 | 101804NK100CSW001 | Zinc | 1.34 | UG/L | BQ1,J | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100C | 10/18/2004 0:00 | 101804NK100CSW001 | Zinc | 1.53 | UG/L | BQ,BQ1 | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
North Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| NK100D | 4/30/2004 0:00 | 043004NK100DSW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100D | 4/30/2004 0:00 | 043004NK100DSW001 | Alkalinity, Total | 11 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100D | 4/30/2004 0:00 | 043004NK100DSW001 | Aluminum | 132 | UG/L | | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100D | 4/30/2004 0:00 | 043004NK100DSW001 | Aluminum | 32.6 | UG/L | BQ1 | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100D | 4/30/2004 0:00 | 043004NK100DSW001 | Antimony | 5.62 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100D | 4/30/2004 0:00 | 043004NK100DSW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100D | 4/30/2004 0:00 | 043004NK100DSW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100D | 4/30/2004 0:00 | 043004NK100DSW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100D | 4/30/2004 0:00 | 043004NK100DSW001 | Barium | 3.52 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100D | 4/30/2004 0:00 | 043004NK100DSW001 | Barium | 2.11 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100D | 4/30/2004 0:00 | 043004NK100DSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100D | 4/30/2004 0:00 | 043004NK100DSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100D | 4/30/2004 0:00 | 043004NK100DSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100D | 4/30/2004 0:00 | 043004NK100DSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100D | 4/30/2004 0:00 | 043004NK100DSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100D | 4/30/2004 0:00 | 043004NK100DSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100D | 4/30/2004 0:00 | 043004NK100DSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100D | 4/30/2004 0:00 | 043004NK100DSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100D | 4/30/2004 0:00 | 043004NK100DSW001 | Calcium | 2640 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100D | 4/30/2004 0:00 | 043004NK100DSW001 | Calcium | 2510 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100D | 4/30/2004 0:00 | 043004NK100DSW001 | Chloride | 0.71 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100D | 4/30/2004 0:00 | 043004NK100DSW001 | Chromium | 0.342 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100D | 4/30/2004 0:00 | 043004NK100DSW001 | Chromium | 0.453 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100D | 4/30/2004 0:00 | 043004NK100DSW001 | Cobalt | 0.0974 | UG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100D | 4/30/2004 0:00 | 043004NK100DSW001 | Cobalt | 0.454 | UG/L | J | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100D | 4/30/2004 0:00 | 043004NK100DSW001 | Copper | 1.1 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100D | 4/30/2004 0:00 | 043004NK100DSW001 | Copper | 0.549 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100D | 4/30/2004 0:00 | 043004NK100DSW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100D | 4/30/2004 0:00 | 043004NK100DSW001 | Cyanide, Weak Acid Dissociable | 0.0026 | MG/L | J | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
North Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| NK100D | 4/30/2004 0:00 | 043004NK100DSW001 | Fluoride | 0.033 | MG/L | J, BQ | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100D | 4/30/2004 0:00 | 043004NK100DSW001 | Hardness as CaCO3 | 10.2 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100D | 4/30/2004 0:00 | 043004NK100DSW001 | Hardness as CaCO3 | 9.85 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100D | 4/30/2004 0:00 | 043004NK100DSW001 | Iron | 363 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100D | 4/30/2004 0:00 | 043004NK100DSW001 | Iron | 117 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100D | 4/30/2004 0:00 | 043004NK100DSW001 | Lead | 0.19 | UG/L | J | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100D | 4/30/2004 0:00 | 043004NK100DSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100D | 4/30/2004 0:00 | 043004NK100DSW001 | Magnesium | 866 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100D | 4/30/2004 0:00 | 043004NK100DSW001 | Magnesium | 870 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100D | 4/30/2004 0:00 | 043004NK100DSW001 | Manganese | 24.6 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100D | 4/30/2004 0:00 | 043004NK100DSW001 | Manganese | 17.1 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100D | 4/30/2004 0:00 | 043004NK100DSW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100D | 4/30/2004 0:00 | 043004NK100DSW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100D | 4/30/2004 0:00 | 043004NK100DSW001 | Nickel | 0.209 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100D | 4/30/2004 0:00 | 043004NK100DSW001 | Nickel | 0.398 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100D | 4/30/2004 0:00 | 043004NK100DSW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100D | 4/30/2004 0:00 | 043004NK100DSW001 | Nitrogen, Nitrate-Nitrite | 0.07 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100D | 4/30/2004 0:00 | 043004NK100DSW001 | pH | 6.6 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100D | 4/30/2004 0:00 | 043004NK100DSW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100D | 4/30/2004 0:00 | 043004NK100DSW001 | Potassium | 695 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100D | 4/30/2004 0:00 | 043004NK100DSW001 | Potassium | 674 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100D | 4/30/2004 0:00 | 043004NK100DSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100D | 4/30/2004 0:00 | 043004NK100DSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100D | 4/30/2004 0:00 | 043004NK100DSW001 | Silicon | 2990 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100D | 4/30/2004 0:00 | 043004NK100DSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100D | 4/30/2004 0:00 | 043004NK100DSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100D | 4/30/2004 0:00 | 043004NK100DSW001 | Sodium | 1310 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100D | 4/30/2004 0:00 | 043004NK100DSW001 | Sodium | 1310 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100D | 4/30/2004 0:00 | 043004NK100DSW001 | Specific Conductance | 29 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
North Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| NK100D | 4/30/2004 0:00 | 043004NK100DSW001 | Sulfate | 1.05 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100D | 4/30/2004 0:00 | 043004NK100DSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100D | 4/30/2004 0:00 | 043004NK100DSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100D | 4/30/2004 0:00 | 043004NK100DSW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100D | 4/30/2004 0:00 | 043004NK100DSW001 | Tin | 0.507 | UG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100D | 4/30/2004 0:00 | 043004NK100DSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100D | 4/30/2004 0:00 | 043004NK100DSW001 | Total Dissolved Solids | 31.3 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100D | 4/30/2004 0:00 | 043004NK100DSW001 | Total Suspended Solids | 3.7 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100D | 4/30/2004 0:00 | 043004NK100DSW001 | Vanadium | 0.682 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100D | 4/30/2004 0:00 | 043004NK100DSW001 | Vanadium | 0.318 | UG/L | J | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100D | 4/30/2004 0:00 | 043004NK100DSW001 | Zinc | 4.28 | UG/L | J | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100D | 4/30/2004 0:00 | 043004NK100DSW001 | Zinc | 6.53 | UG/L | J | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100D | 5/19/2004 0:00 | 051904NK100DSW001 | Acidity, Total | 0 | MG/L | | 13.2 | 4.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100D | 5/19/2004 0:00 | 051904NK100DSW001 | Alkalinity, Total | 22 | MG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100D | 5/19/2004 0:00 | 051904NK100DSW001 | Aluminum | 50.8 | UG/L | BQ | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100D | 5/19/2004 0:00 | 051904NK100DSW001 | Aluminum | 19.6 | UG/L | J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100D | 5/19/2004 0:00 | 051904NK100DSW001 | Antimony | 0.168 | UG/L | J,BQ1,BQ | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100D | 5/19/2004 0:00 | 051904NK100DSW001 | Antimony | 2.26 | UG/L | J,BQ1,BQ | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100D | 5/19/2004 0:00 | 051904NK100DSW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100D | 5/19/2004 0:00 | 051904NK100DSW001 | Arsenic | 0.358 | UG/L | J,BQ1 | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100D | 5/19/2004 0:00 | 051904NK100DSW001 | Barium | 3.66 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100D | 5/19/2004 0:00 | 051904NK100DSW001 | Barium | 3.07 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100D | 5/19/2004 0:00 | 051904NK100DSW001 | Beryllium | 0.12 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100D | 5/19/2004 0:00 | 051904NK100DSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100D | 5/19/2004 0:00 | 051904NK100DSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100D | 5/19/2004 0:00 | 051904NK100DSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100D | 5/19/2004 0:00 | 051904NK100DSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100D | 5/19/2004 0:00 | 051904NK100DSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100D | 5/19/2004 0:00 | 051904NK100DSW001 | Cadmium | 0.129 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
North Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| NK100D | 5/19/2004 0:00 | 051904NK100DSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100D | 5/19/2004 0:00 | 051904NK100DSW001 | Calcium | 4730 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100D | 5/19/2004 0:00 | 051904NK100DSW001 | Calcium | 4180 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100D | 5/19/2004 0:00 | 051904NK100DSW001 | Chloride | 0.654 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100D | 5/19/2004 0:00 | 051904NK100DSW001 | Chromium | 0.37 | UG/L | BQ1 | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100D | 5/19/2004 0:00 | 051904NK100DSW001 | Chromium | 0.14 | UG/L | J,BQ1 | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100D | 5/19/2004 0:00 | 051904NK100DSW001 | Cobalt | 0.182 | UG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100D | 5/19/2004 0:00 | 051904NK100DSW001 | Cobalt | 2.88 | UG/L | J+ | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100D | 5/19/2004 0:00 | 051904NK100DSW001 | Copper | 0.884 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100D | 5/19/2004 0:00 | 051904NK100DSW001 | Copper | 0.725 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100D | 5/19/2004 0:00 | 051904NK100DSW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100D | 5/19/2004 0:00 | 051904NK100DSW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100D | 5/19/2004 0:00 | 051904NK100DSW001 | Fluoride | 0.033 | MG/L | J,BQ | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100D | 5/19/2004 0:00 | 051904NK100DSW001 | Hardness as CaCO3 | 17.9 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100D | 5/19/2004 0:00 | 051904NK100DSW001 | Hardness as CaCO3 | 15.9 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100D | 5/19/2004 0:00 | 051904NK100DSW001 | Iron | 261 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100D | 5/19/2004 0:00 | 051904NK100DSW001 | Iron | 157 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100D | 5/19/2004 0:00 | 051904NK100DSW001 | Lead | 0.18 | UG/L | J,BQ1 | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100D | 5/19/2004 0:00 | 051904NK100DSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100D | 5/19/2004 0:00 | 051904NK100DSW001 | Magnesium | 1480 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100D | 5/19/2004 0:00 | 051904NK100DSW001 | Magnesium | 1330 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100D | 5/19/2004 0:00 | 051904NK100DSW001 | Manganese | 19.1 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100D | 5/19/2004 0:00 | 051904NK100DSW001 | Manganese | 18.3 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100D | 5/19/2004 0:00 | 051904NK100DSW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100D | 5/19/2004 0:00 | 051904NK100DSW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100D | 5/19/2004 0:00 | 051904NK100DSW001 | Nickel | 0.345 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100D | 5/19/2004 0:00 | 051904NK100DSW001 | Nickel | 0.362 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100D | 5/19/2004 0:00 | 051904NK100DSW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100D | 5/19/2004 0:00 | 051904NK100DSW001 | Nitrogen, Nitrate-Nitrite | 0.047 | MG/L | J- | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
North Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| NK100D | 5/19/2004 0:00 | 051904NK100DSW001 | pH | 7.3 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100D | 5/19/2004 0:00 | 051904NK100DSW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100D | 5/19/2004 0:00 | 051904NK100DSW001 | Potassium | 509 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100D | 5/19/2004 0:00 | 051904NK100DSW001 | Potassium | 470 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100D | 5/19/2004 0:00 | 051904NK100DSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100D | 5/19/2004 0:00 | 051904NK100DSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100D | 5/19/2004 0:00 | 051904NK100DSW001 | Silicon | 4880 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100D | 5/19/2004 0:00 | 051904NK100DSW001 | Silver | 0.0137 | UG/L | J | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100D | 5/19/2004 0:00 | 051904NK100DSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100D | 5/19/2004 0:00 | 051904NK100DSW001 | Sodium | 1820 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100D | 5/19/2004 0:00 | 051904NK100DSW001 | Sodium | 1720 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100D | 5/19/2004 0:00 | 051904NK100DSW001 | Specific Conductance | 41 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100D | 5/19/2004 0:00 | 051904NK100DSW001 | Sulfate | 1.57 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100D | 5/19/2004 0:00 | 051904NK100DSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100D | 5/19/2004 0:00 | 051904NK100DSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100D | 5/19/2004 0:00 | 051904NK100DSW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100D | 5/19/2004 0:00 | 051904NK100DSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100D | 5/19/2004 0:00 | 051904NK100DSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100D | 5/19/2004 0:00 | 051904NK100DSW001 | Total Dissolved Solids | 63.8 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100D | 5/19/2004 0:00 | 051904NK100DSW001 | Total Suspended Solids | 1.2 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100D | 5/19/2004 0:00 | 051904NK100DSW001 | Vanadium | 0.251 | UG/L | J,BQ1 | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK100D | 5/19/2004 0:00 | 051904NK100DSW001 | Vanadium | 0.666 | UG/L | BQ1 | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100D | 5/19/2004 0:00 | 051904NK100DSW001 | Zinc | 2.36 | UG/L | BQ1 | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK100D | 5/19/2004 0:00 | 051904NK100DSW001 | Zinc | 3.47 | UG/L | BQ1,BQ | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 4/30/2004 0:00 | 043004NK119ASW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 4/30/2004 0:00 | 043004NK119ASW001 | Alkalinity, Total | 9 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 4/30/2004 0:00 | 043004NK119ASW001 | Aluminum | 57.9 | UG/L | | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 4/30/2004 0:00 | 043004NK119ASW001 | Aluminum | 33.2 | UG/L | BQ1 | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 4/30/2004 0:00 | 043004NK119ASW001 | Antimony | 0 | UG/L | J | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
North Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| NK119A | 4/30/2004 0:00 | 043004NK119ASW001 | Antimony | 3.09 | UG/L | J, BQ1 | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 4/30/2004 0:00 | 043004NK119ASW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 4/30/2004 0:00 | 043004NK119ASW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 4/30/2004 0:00 | 043004NK119ASW001 | Barium | 2.12 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 4/30/2004 0:00 | 043004NK119ASW001 | Barium | 1.62 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 4/30/2004 0:00 | 043004NK119ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 4/30/2004 0:00 | 043004NK119ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 4/30/2004 0:00 | 043004NK119ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 4/30/2004 0:00 | 043004NK119ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 4/30/2004 0:00 | 043004NK119ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 4/30/2004 0:00 | 043004NK119ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 4/30/2004 0:00 | 043004NK119ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 4/30/2004 0:00 | 043004NK119ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 4/30/2004 0:00 | 043004NK119ASW001 | Calcium | 2410 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 4/30/2004 0:00 | 043004NK119ASW001 | Calcium | 2490 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 4/30/2004 0:00 | 043004NK119ASW001 | Chloride | 0.921 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 4/30/2004 0:00 | 043004NK119ASW001 | Chromium | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 4/30/2004 0:00 | 043004NK119ASW001 | Chromium | 0.196 | UG/L | J | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 4/30/2004 0:00 | 043004NK119ASW001 | Cobalt | 0.0523 | UG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 4/30/2004 0:00 | 043004NK119ASW001 | Cobalt | 0.357 | UG/L | J | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 4/30/2004 0:00 | 043004NK119ASW001 | Copper | 0.844 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 4/30/2004 0:00 | 043004NK119ASW001 | Copper | 0.698 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 4/30/2004 0:00 | 043004NK119ASW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 4/30/2004 0:00 | 043004NK119ASW001 | Cyanide, Weak Acid Dissociable | 0.0026 | MG/L | J | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 4/30/2004 0:00 | 043004NK119ASW001 | Fluoride | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 4/30/2004 0:00 | 043004NK119ASW001 | Hardness as CaCO3 | 8.2 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 4/30/2004 0:00 | 043004NK119ASW001 | Hardness as CaCO3 | 8.41 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 4/30/2004 0:00 | 043004NK119ASW001 | Iron | 258 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 4/30/2004 0:00 | 043004NK119ASW001 | Iron | 144 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
North Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| NK119A | 4/30/2004 0:00 | 043004NK119ASW001 | Lead | 0.106 | UG/L | J | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 4/30/2004 0:00 | 043004NK119ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 4/30/2004 0:00 | 043004NK119ASW001 | Magnesium | 532 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 4/30/2004 0:00 | 043004NK119ASW001 | Magnesium | 529 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 4/30/2004 0:00 | 043004NK119ASW001 | Manganese | 10.3 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 4/30/2004 0:00 | 043004NK119ASW001 | Manganese | 6.88 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 4/30/2004 0:00 | 043004NK119ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 4/30/2004 0:00 | 043004NK119ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 4/30/2004 0:00 | 043004NK119ASW001 | Nickel | 0.146 | UG/L | J | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 4/30/2004 0:00 | 043004NK119ASW001 | Nickel | 0.185 | UG/L | J | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 4/30/2004 0:00 | 043004NK119ASW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 4/30/2004 0:00 | 043004NK119ASW001 | Nitrogen, Nitrate-Nitrite | 0.045 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 4/30/2004 0:00 | 043004NK119ASW001 | pH | 6.6 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 4/30/2004 0:00 | 043004NK119ASW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 4/30/2004 0:00 | 043004NK119ASW001 | Potassium | 350 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 4/30/2004 0:00 | 043004NK119ASW001 | Potassium | 374 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 4/30/2004 0:00 | 043004NK119ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 4/30/2004 0:00 | 043004NK119ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 4/30/2004 0:00 | 043004NK119ASW001 | Silicon | 3010 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 4/30/2004 0:00 | 043004NK119ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 4/30/2004 0:00 | 043004NK119ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 4/30/2004 0:00 | 043004NK119ASW001 | Sodium | 1490 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 4/30/2004 0:00 | 043004NK119ASW001 | Sodium | 1490 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 4/30/2004 0:00 | 043004NK119ASW001 | Specific Conductance | 22 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 4/30/2004 0:00 | 043004NK119ASW001 | Sulfate | 1.37 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 4/30/2004 0:00 | 043004NK119ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 4/30/2004 0:00 | 043004NK119ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 4/30/2004 0:00 | 043004NK119ASW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 4/30/2004 0:00 | 043004NK119ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
North Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| NK119A | 4/30/2004 0:00 | 043004NK119ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 4/30/2004 0:00 | 043004NK119ASW001 | Total Dissolved Solids | 27.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 4/30/2004 0:00 | 043004NK119ASW001 | Total Suspended Solids | 1 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 4/30/2004 0:00 | 043004NK119ASW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 4/30/2004 0:00 | 043004NK119ASW001 | Vanadium | 0.318 | UG/L | J | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 4/30/2004 0:00 | 043004NK119ASW001 | Zinc | 1.59 | UG/L | | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 4/30/2004 0:00 | 043004NK119ASW001 | Zinc | 2.36 | UG/L | | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 5/21/2004 0:00 | 052104NK119ASW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 5/21/2004 0:00 | 052104NK119ASW001 | Alkalinity, Total | 7.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 5/21/2004 0:00 | 052104NK119ASW001 | Aluminum | 64.8 | UG/L | | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 5/21/2004 0:00 | 052104NK119ASW001 | Aluminum | 44.1 | UG/L | | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 5/21/2004 0:00 | 052104NK119ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 5/21/2004 0:00 | 052104NK119ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 5/21/2004 0:00 | 052104NK119ASW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 5/21/2004 0:00 | 052104NK119ASW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 5/21/2004 0:00 | 052104NK119ASW001 | Barium | 0.932 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 5/21/2004 0:00 | 052104NK119ASW001 | Barium | 0.757 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 5/21/2004 0:00 | 052104NK119ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 5/21/2004 0:00 | 052104NK119ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 5/21/2004 0:00 | 052104NK119ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 5/21/2004 0:00 | 052104NK119ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 5/21/2004 0:00 | 052104NK119ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 5/21/2004 0:00 | 052104NK119ASW001 | Boron | 5.37 | UG/L | J,BQ | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 5/21/2004 0:00 | 052104NK119ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 5/21/2004 0:00 | 052104NK119ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 5/21/2004 0:00 | 052104NK119ASW001 | Calcium | 1740 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 5/21/2004 0:00 | 052104NK119ASW001 | Calcium | 1690 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 5/21/2004 0:00 | 052104NK119ASW001 | Chloride | 0.562 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 5/21/2004 0:00 | 052104NK119ASW001 | Chromium | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
North Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| NK119A | 5/21/2004 0:00 | 052104NK119ASW001 | Chromium | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 5/21/2004 0:00 | 052104NK119ASW001 | Cobalt | 0.0367 | UG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 5/21/2004 0:00 | 052104NK119ASW001 | Cobalt | 0.268 | UG/L | J+ | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 5/21/2004 0:00 | 052104NK119ASW001 | Copper | 0.293 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 5/21/2004 0:00 | 052104NK119ASW001 | Copper | 0.362 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 5/21/2004 0:00 | 052104NK119ASW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 5/21/2004 0:00 | 052104NK119ASW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 5/21/2004 0:00 | 052104NK119ASW001 | Fluoride | 0.032 | MG/L | J,BQ | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 5/21/2004 0:00 | 052104NK119ASW001 | Hardness as CaCO3 | 5.87 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 5/21/2004 0:00 | 052104NK119ASW001 | Hardness as CaCO3 | 5.66 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 5/21/2004 0:00 | 052104NK119ASW001 | Iron | 160 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 5/21/2004 0:00 | 052104NK119ASW001 | Iron | 86.8 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 5/21/2004 0:00 | 052104NK119ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 5/21/2004 0:00 | 052104NK119ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 5/21/2004 0:00 | 052104NK119ASW001 | Magnesium | 372 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 5/21/2004 0:00 | 052104NK119ASW001 | Magnesium | 348 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 5/21/2004 0:00 | 052104NK119ASW001 | Manganese | 5.92 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 5/21/2004 0:00 | 052104NK119ASW001 | Manganese | 3.54 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 5/21/2004 0:00 | 052104NK119ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 5/21/2004 0:00 | 052104NK119ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 5/21/2004 0:00 | 052104NK119ASW001 | Nickel | 0.0954 | UG/L | J,BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 5/21/2004 0:00 | 052104NK119ASW001 | Nickel | 0.105 | UG/L | J,BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 5/21/2004 0:00 | 052104NK119ASW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 5/21/2004 0:00 | 052104NK119ASW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | R | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 5/21/2004 0:00 | 052104NK119ASW001 | pH | 7.4 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 5/21/2004 0:00 | 052104NK119ASW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 5/21/2004 0:00 | 052104NK119ASW001 | Potassium | 132 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 5/21/2004 0:00 | 052104NK119ASW001 | Potassium | 135 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 5/21/2004 0:00 | 052104NK119ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
North Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| NK119A | 5/21/2004 0:00 | 052104NK119ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 5/21/2004 0:00 | 052104NK119ASW001 | Silicon | 3140 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 5/21/2004 0:00 | 052104NK119ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 5/21/2004 0:00 | 052104NK119ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 5/21/2004 0:00 | 052104NK119ASW001 | Sodium | 1230 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 5/21/2004 0:00 | 052104NK119ASW001 | Sodium | 1260 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 5/21/2004 0:00 | 052104NK119ASW001 | Specific Conductance | 20 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 5/21/2004 0:00 | 052104NK119ASW001 | Sulfate | 1.09 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 5/21/2004 0:00 | 052104NK119ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 5/21/2004 0:00 | 052104NK119ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 5/21/2004 0:00 | 052104NK119ASW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 5/21/2004 0:00 | 052104NK119ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 5/21/2004 0:00 | 052104NK119ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 5/21/2004 0:00 | 052104NK119ASW001 | Total Dissolved Solids | 16.3 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 5/21/2004 0:00 | 052104NK119ASW001 | Total Suspended Solids | 1.68 | MG/L | | 0.526 | 0.158 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 5/21/2004 0:00 | 052104NK119ASW001 | Vanadium | 0.468 | UG/L | BQ1,BQ | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 5/21/2004 0:00 | 052104NK119ASW001 | Vanadium | 0.526 | UG/L | BQ1 | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 5/21/2004 0:00 | 052104NK119ASW001 | Zinc | 0.746 | UG/L | J,BQ1 | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 5/21/2004 0:00 | 052104NK119ASW001 | Zinc | 0 | UG/L | | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 6/2/2004 0:00 | 060204NK119ASW001 | Alkalinity, Total | 9 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 6/15/2004 0:00 | 061504NK119ASW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 6/15/2004 0:00 | 061504NK119ASW001 | Alkalinity, Total | 12 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 6/15/2004 0:00 | 061504NK119ASW001 | Aluminum | 26.3 | UG/L | BQ1 | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 6/15/2004 0:00 | 061504NK119ASW001 | Aluminum | 18 | UG/L | BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 6/15/2004 0:00 | 061504NK119ASW001 | Antimony | 0.166 | UG/L | J | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 6/15/2004 0:00 | 061504NK119ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 6/15/2004 0:00 | 061504NK119ASW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 6/15/2004 0:00 | 061504NK119ASW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 6/15/2004 0:00 | 061504NK119ASW001 | Barium | 1.54 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
North Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| NK119A | 6/15/2004 0:00 | 061504NK119ASW001 | Barium | 1.42 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 6/15/2004 0:00 | 061504NK119ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 6/15/2004 0:00 | 061504NK119ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 6/15/2004 0:00 | 061504NK119ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 6/15/2004 0:00 | 061504NK119ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 6/15/2004 0:00 | 061504NK119ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 6/15/2004 0:00 | 061504NK119ASW001 | Boron | 4.08 | UG/L | J | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 6/15/2004 0:00 | 061504NK119ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 6/15/2004 0:00 | 061504NK119ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 6/15/2004 0:00 | 061504NK119ASW001 | Calcium | 2800 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 6/15/2004 0:00 | 061504NK119ASW001 | Calcium | 2680 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 6/15/2004 0:00 | 061504NK119ASW001 | Chloride | 0.559 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 6/15/2004 0:00 | 061504NK119ASW001 | Chromium | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 6/15/2004 0:00 | 061504NK119ASW001 | Chromium | 0.133 | UG/L | J | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 6/15/2004 0:00 | 061504NK119ASW001 | Cobalt | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 6/15/2004 0:00 | 061504NK119ASW001 | Cobalt | 2.59 | UG/L | BQ1,J | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 6/15/2004 0:00 | 061504NK119ASW001 | Copper | 0.424 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 6/15/2004 0:00 | 061504NK119ASW001 | Copper | 0.279 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 6/15/2004 0:00 | 061504NK119ASW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 6/15/2004 0:00 | 061504NK119ASW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 6/15/2004 0:00 | 061504NK119ASW001 | Fluoride | 0.049 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 6/15/2004 0:00 | 061504NK119ASW001 | Hardness as CaCO3 | 9.05 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 6/15/2004 0:00 | 061504NK119ASW001 | Hardness as CaCO3 | 8.62 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 6/15/2004 0:00 | 061504NK119ASW001 | Iron | 89.3 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 6/15/2004 0:00 | 061504NK119ASW001 | Iron | 52.1 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 6/15/2004 0:00 | 061504NK119ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 6/15/2004 0:00 | 061504NK119ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 6/15/2004 0:00 | 061504NK119ASW001 | Magnesium | 497 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 6/15/2004 0:00 | 061504NK119ASW001 | Magnesium | 471 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
North Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| NK119A | 6/15/2004 0:00 | 061504NK119ASW001 | Manganese | 5.23 | UG/L | BQ1,J | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 6/15/2004 0:00 | 061504NK119ASW001 | Manganese | 7.79 | UG/L | BQ1,J | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 6/15/2004 0:00 | 061504NK119ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 6/15/2004 0:00 | 061504NK119ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 6/15/2004 0:00 | 061504NK119ASW001 | Nickel | 0.144 | UG/L | BQ1,J | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 6/15/2004 0:00 | 061504NK119ASW001 | Nickel | 0.255 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 6/15/2004 0:00 | 061504NK119ASW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 6/15/2004 0:00 | 061504NK119ASW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | R | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 6/15/2004 0:00 | 061504NK119ASW001 | pH | 7.26 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 6/15/2004 0:00 | 061504NK119ASW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 6/15/2004 0:00 | 061504NK119ASW001 | Potassium | 114 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 6/15/2004 0:00 | 061504NK119ASW001 | Potassium | 111 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 6/15/2004 0:00 | 061504NK119ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 6/15/2004 0:00 | 061504NK119ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 6/15/2004 0:00 | 061504NK119ASW001 | Silicon | 4230 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 6/15/2004 0:00 | 061504NK119ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 6/15/2004 0:00 | 061504NK119ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 6/15/2004 0:00 | 061504NK119ASW001 | Sodium | 1680 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 6/15/2004 0:00 | 061504NK119ASW001 | Sodium | 1600 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 6/15/2004 0:00 | 061504NK119ASW001 | Specific Conductance | 30 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 6/15/2004 0:00 | 061504NK119ASW001 | Sulfate | 0.885 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 6/15/2004 0:00 | 061504NK119ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 6/15/2004 0:00 | 061504NK119ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 6/15/2004 0:00 | 061504NK119ASW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 6/15/2004 0:00 | 061504NK119ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 6/15/2004 0:00 | 061504NK119ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 6/15/2004 0:00 | 061504NK119ASW001 | Total Dissolved Solids | 32.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 6/15/2004 0:00 | 061504NK119ASW001 | Total Suspended Solids | 0.9 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 6/15/2004 0:00 | 061504NK119ASW001 | Vanadium | 0.467 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
North Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| NK119A | 6/15/2004 0:00 | 061504NK119ASW001 | Vanadium | 0.266 | UG/L | J | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 6/15/2004 0:00 | 061504NK119ASW001 | Zinc | 2.13 | UG/L | BQ1 | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 6/15/2004 0:00 | 061504NK119ASW001 | Zinc | 2.08 | UG/L | BQ1 | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 7/15/2004 0:00 | 071504NK119ASW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 7/15/2004 0:00 | 071504NK119ASW001 | Alkalinity, Total | 15.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 7/15/2004 0:00 | 071504NK119ASW001 | Aluminum | 16.8 | UG/L | BQ1,J | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 7/15/2004 0:00 | 071504NK119ASW001 | Aluminum | 13.4 | UG/L | BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 7/15/2004 0:00 | 071504NK119ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 7/15/2004 0:00 | 071504NK119ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 7/15/2004 0:00 | 071504NK119ASW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 7/15/2004 0:00 | 071504NK119ASW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 7/15/2004 0:00 | 071504NK119ASW001 | Barium | 1.73 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 7/15/2004 0:00 | 071504NK119ASW001 | Barium | 1.6 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 7/15/2004 0:00 | 071504NK119ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 7/15/2004 0:00 | 071504NK119ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 7/15/2004 0:00 | 071504NK119ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 7/15/2004 0:00 | 071504NK119ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 7/15/2004 0:00 | 071504NK119ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 7/15/2004 0:00 | 071504NK119ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 7/15/2004 0:00 | 071504NK119ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 7/15/2004 0:00 | 071504NK119ASW001 | Cadmium | 0.0545 | UG/L | BQ1,J | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 7/15/2004 0:00 | 071504NK119ASW001 | Calcium | 3790 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 7/15/2004 0:00 | 071504NK119ASW001 | Calcium | 3450 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 7/15/2004 0:00 | 071504NK119ASW001 | Chloride | 0.564 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 7/15/2004 0:00 | 071504NK119ASW001 | Chromium | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 7/15/2004 0:00 | 071504NK119ASW001 | Chromium | 0.177 | UG/L | BQ1,J | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 7/15/2004 0:00 | 071504NK119ASW001 | Cobalt | 0 | UG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 7/15/2004 0:00 | 071504NK119ASW001 | Cobalt | 0.557 | UG/L | BQ1,J | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 7/15/2004 0:00 | 071504NK119ASW001 | Copper | 0.252 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
North Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| NK119A | 7/15/2004 0:00 | 071504NK119ASW001 | Copper | 0.189 | UG/L | BQ1,J | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 7/15/2004 0:00 | 071504NK119ASW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 7/15/2004 0:00 | 071504NK119ASW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 7/15/2004 0:00 | 071504NK119ASW001 | Fluoride | 0.064 | MG/L | BQ,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 7/15/2004 0:00 | 071504NK119ASW001 | Hardness as CaCO3 | 11.8 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 7/15/2004 0:00 | 071504NK119ASW001 | Hardness as CaCO3 | 11.2 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 7/15/2004 0:00 | 071504NK119ASW001 | Iron | 82 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 7/15/2004 0:00 | 071504NK119ASW001 | Iron | 36.1 | UG/L | BQ1 | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 7/15/2004 0:00 | 071504NK119ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 7/15/2004 0:00 | 071504NK119ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 7/15/2004 0:00 | 071504NK119ASW001 | Magnesium | 570 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 7/15/2004 0:00 | 071504NK119ASW001 | Magnesium | 635 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 7/15/2004 0:00 | 071504NK119ASW001 | Manganese | 3.47 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 7/15/2004 0:00 | 071504NK119ASW001 | Manganese | 3.28 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 7/15/2004 0:00 | 071504NK119ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 7/15/2004 0:00 | 071504NK119ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 7/15/2004 0:00 | 071504NK119ASW001 | Nickel | 0.143 | UG/L | BQ1,J | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 7/15/2004 0:00 | 071504NK119ASW001 | Nickel | 0.325 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 7/15/2004 0:00 | 071504NK119ASW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 7/15/2004 0:00 | 071504NK119ASW001 | Nitrogen, Nitrate-Nitrite | 3.8 | MG/L | | 2 | 0.62 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 7/15/2004 0:00 | 071504NK119ASW001 | pH | 7.63 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 7/15/2004 0:00 | 071504NK119ASW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 7/15/2004 0:00 | 071504NK119ASW001 | Potassium | 164 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 7/15/2004 0:00 | 071504NK119ASW001 | Potassium | 146 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 7/15/2004 0:00 | 071504NK119ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 7/15/2004 0:00 | 071504NK119ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 7/15/2004 0:00 | 071504NK119ASW001 | Silicon | 5760 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 7/15/2004 0:00 | 071504NK119ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 7/15/2004 0:00 | 071504NK119ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
North Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| NK119A | 7/15/2004 0:00 | 071504NK119ASW001 | Sodium | 2050 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 7/15/2004 0:00 | 071504NK119ASW001 | Sodium | 2020 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 7/15/2004 0:00 | 071504NK119ASW001 | Specific Conductance | 36.2 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 7/15/2004 0:00 | 071504NK119ASW001 | Sulfate | 1.01 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 7/15/2004 0:00 | 071504NK119ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 7/15/2004 0:00 | 071504NK119ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 7/15/2004 0:00 | 071504NK119ASW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 7/15/2004 0:00 | 071504NK119ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 7/15/2004 0:00 | 071504NK119ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 7/15/2004 0:00 | 071504NK119ASW001 | Total Dissolved Solids | 35 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 7/15/2004 0:00 | 071504NK119ASW001 | Total Suspended Solids | 0.5 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 7/15/2004 0:00 | 071504NK119ASW001 | Vanadium | 0.619 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 7/15/2004 0:00 | 071504NK119ASW001 | Vanadium | 0.473 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 7/15/2004 0:00 | 071504NK119ASW001 | Zinc | 0.595 | UG/L | BQ1,J | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 7/15/2004 0:00 | 071504NK119ASW001 | Zinc | 0.98 | UG/L | BQ1,J | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 8/16/2004 0:00 | 081604NK119ASW001 | Alkalinity, Total | 20 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 8/24/2004 0:00 | 082404NK119ASW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 8/24/2004 0:00 | 082404NK119ASW001 | Alkalinity, Total | 20 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 8/24/2004 0:00 | 082404NK119ASW001 | Aluminum | 11.6 | UG/L | BQ,BQ1,J | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 8/24/2004 0:00 | 082404NK119ASW001 | Aluminum | 11 | UG/L | BQ,BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 8/24/2004 0:00 | 082404NK119ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 8/24/2004 0:00 | 082404NK119ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 8/24/2004 0:00 | 082404NK119ASW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 8/24/2004 0:00 | 082404NK119ASW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 8/24/2004 0:00 | 082404NK119ASW001 | Barium | 1.86 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 8/24/2004 0:00 | 082404NK119ASW001 | Barium | 1.82 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 8/24/2004 0:00 | 082404NK119ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 8/24/2004 0:00 | 082404NK119ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 8/24/2004 0:00 | 082404NK119ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
North Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| NK119A | 8/24/2004 0:00 | 082404NK119ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 8/24/2004 0:00 | 082404NK119ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 8/24/2004 0:00 | 082404NK119ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 8/24/2004 0:00 | 082404NK119ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 8/24/2004 0:00 | 082404NK119ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 8/24/2004 0:00 | 082404NK119ASW001 | Calcium | 4330 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 8/24/2004 0:00 | 082404NK119ASW001 | Calcium | 4640 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 8/24/2004 0:00 | 082404NK119ASW001 | Chloride | 0.658 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 8/24/2004 0:00 | 082404NK119ASW001 | Chromium | 0.169 | UG/L | BQ1,J | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 8/24/2004 0:00 | 082404NK119ASW001 | Chromium | 0.228 | UG/L | BQ1 | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 8/24/2004 0:00 | 082404NK119ASW001 | Cobalt | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 8/24/2004 0:00 | 082404NK119ASW001 | Cobalt | 0.533 | UG/L | BQ1 | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 8/24/2004 0:00 | 082404NK119ASW001 | Copper | 0.235 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 8/24/2004 0:00 | 082404NK119ASW001 | Copper | 0.195 | UG/L | BQ1,J | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 8/24/2004 0:00 | 082404NK119ASW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 8/24/2004 0:00 | 082404NK119ASW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 8/24/2004 0:00 | 082404NK119ASW001 | Fluoride | 0.037 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 8/24/2004 0:00 | 082404NK119ASW001 | Hardness as CaCO3 | 13.7 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 8/24/2004 0:00 | 082404NK119ASW001 | Hardness as CaCO3 | 14.7 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 8/24/2004 0:00 | 082404NK119ASW001 | Iron | 57.5 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 8/24/2004 0:00 | 082404NK119ASW001 | Iron | 21.4 | UG/L | BQ1 | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 8/24/2004 0:00 | 082404NK119ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 8/24/2004 0:00 | 082404NK119ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 8/24/2004 0:00 | 082404NK119ASW001 | Magnesium | 698 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 8/24/2004 0:00 | 082404NK119ASW001 | Magnesium | 747 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 8/24/2004 0:00 | 082404NK119ASW001 | Manganese | 2.48 | UG/L | BQ1 | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 8/24/2004 0:00 | 082404NK119ASW001 | Manganese | 2.44 | UG/L | BQ1 | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 8/24/2004 0:00 | 082404NK119ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 8/24/2004 0:00 | 082404NK119ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |

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Pebble Project
North Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| NK119A | 8/24/2004 0:00 | 082404NK119ASW001 | Nickel | 0.11 | UG/L | J | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 8/24/2004 0:00 | 082404NK119ASW001 | Nickel | 0.346 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 8/24/2004 0:00 | 082404NK119ASW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 8/24/2004 0:00 | 082404NK119ASW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 8/24/2004 0:00 | 082404NK119ASW001 | pH | 7.1 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 8/24/2004 0:00 | 082404NK119ASW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 8/24/2004 0:00 | 082404NK119ASW001 | Potassium | 172 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 8/24/2004 0:00 | 082404NK119ASW001 | Potassium | 183 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 8/24/2004 0:00 | 082404NK119ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 8/24/2004 0:00 | 082404NK119ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 8/24/2004 0:00 | 082404NK119ASW001 | Silicon | 6510 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 8/24/2004 0:00 | 082404NK119ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 8/24/2004 0:00 | 082404NK119ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 8/24/2004 0:00 | 082404NK119ASW001 | Sodium | 2110 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 8/24/2004 0:00 | 082404NK119ASW001 | Sodium | 2180 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 8/24/2004 0:00 | 082404NK119ASW001 | Specific Conductance | 45 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 8/24/2004 0:00 | 082404NK119ASW001 | Sulfate | 1.08 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 8/24/2004 0:00 | 082404NK119ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 8/24/2004 0:00 | 082404NK119ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 8/24/2004 0:00 | 082404NK119ASW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 8/24/2004 0:00 | 082404NK119ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 8/24/2004 0:00 | 082404NK119ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 8/24/2004 0:00 | 082404NK119ASW001 | Total Dissolved Solids | 32.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 8/24/2004 0:00 | 082404NK119ASW001 | Total Suspended Solids | 0.5 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 8/24/2004 0:00 | 082404NK119ASW001 | Vanadium | 0.417 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 8/24/2004 0:00 | 082404NK119ASW001 | Vanadium | 0.411 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 8/24/2004 0:00 | 082404NK119ASW001 | Zinc | 0.87 | UG/L | BQ1,J | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 8/24/2004 0:00 | 082404NK119ASW001 | Zinc | 0.65 | UG/L | BQ1,J | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 9/15/2004 0:00 | 091504NK119ASW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
North Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| NK119A | 9/15/2004 0:00 | 091504NK119ASW001 | Alkalinity, Total | 20.3 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 9/15/2004 0:00 | 091504NK119ASW001 | Aluminum | 19.1 | UG/L | BQ,BQ1,J | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 9/15/2004 0:00 | 091504NK119ASW001 | Aluminum | 12.4 | UG/L | BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 9/15/2004 0:00 | 091504NK119ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 9/15/2004 0:00 | 091504NK119ASW001 | Antimony | 0.152 | UG/L | J | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 9/15/2004 0:00 | 091504NK119ASW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 9/15/2004 0:00 | 091504NK119ASW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 9/15/2004 0:00 | 091504NK119ASW001 | Barium | 1.81 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 9/15/2004 0:00 | 091504NK119ASW001 | Barium | 1.63 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 9/15/2004 0:00 | 091504NK119ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 9/15/2004 0:00 | 091504NK119ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 9/15/2004 0:00 | 091504NK119ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 9/15/2004 0:00 | 091504NK119ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 9/15/2004 0:00 | 091504NK119ASW001 | Boron | 5.9 | UG/L | J | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 9/15/2004 0:00 | 091504NK119ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 9/15/2004 0:00 | 091504NK119ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 9/15/2004 0:00 | 091504NK119ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 9/15/2004 0:00 | 091504NK119ASW001 | Calcium | 3940 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 9/15/2004 0:00 | 091504NK119ASW001 | Calcium | 4550 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 9/15/2004 0:00 | 091504NK119ASW001 | Chloride | 0.718 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 9/15/2004 0:00 | 091504NK119ASW001 | Chromium | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 9/15/2004 0:00 | 091504NK119ASW001 | Chromium | 0.187 | UG/L | J | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 9/15/2004 0:00 | 091504NK119ASW001 | Cobalt | 0.57 | UG/L | J,BQ1 | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 9/15/2004 0:00 | 091504NK119ASW001 | Cobalt | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 9/15/2004 0:00 | 091504NK119ASW001 | Copper | 0.243 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 9/15/2004 0:00 | 091504NK119ASW001 | Copper | 0.246 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 9/15/2004 0:00 | 091504NK119ASW001 | Cyanide | 0.004 | MG/L | BQ,J | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 9/15/2004 0:00 | 091504NK119ASW001 | Cyanide, Weak Acid Dissociable | 0.003 | MG/L | J | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 9/15/2004 0:00 | 091504NK119ASW001 | Fluoride | 0.135 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
North Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| NK119A | 9/15/2004 0:00 | 091504NK119ASW001 | Hardness as CaCO3 | 12.9 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 9/15/2004 0:00 | 091504NK119ASW001 | Hardness as CaCO3 | 14.6 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 9/15/2004 0:00 | 091504NK119ASW001 | Iron | 101 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 9/15/2004 0:00 | 091504NK119ASW001 | Iron | 30.8 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 9/15/2004 0:00 | 091504NK119ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 9/15/2004 0:00 | 091504NK119ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 9/15/2004 0:00 | 091504NK119ASW001 | Magnesium | 751 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 9/15/2004 0:00 | 091504NK119ASW001 | Magnesium | 786 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 9/15/2004 0:00 | 091504NK119ASW001 | Manganese | 3.42 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 9/15/2004 0:00 | 091504NK119ASW001 | Manganese | 3.09 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 9/15/2004 0:00 | 091504NK119ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 9/15/2004 0:00 | 091504NK119ASW001 | Molybdenum | 0.487 | UG/L | J | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 9/15/2004 0:00 | 091504NK119ASW001 | Nickel | 0.149 | UG/L | BQ1,J | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 9/15/2004 0:00 | 091504NK119ASW001 | Nickel | 0.411 | UG/L | J,BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 9/15/2004 0:00 | 091504NK119ASW001 | Nitrogen, Ammonia (as N) | 0.053 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 9/15/2004 0:00 | 091504NK119ASW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 9/15/2004 0:00 | 091504NK119ASW001 | pH | 6.98 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 9/15/2004 0:00 | 091504NK119ASW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 9/15/2004 0:00 | 091504NK119ASW001 | Potassium | 179 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 9/15/2004 0:00 | 091504NK119ASW001 | Potassium | 198 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 9/15/2004 0:00 | 091504NK119ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 9/15/2004 0:00 | 091504NK119ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 9/15/2004 0:00 | 091504NK119ASW001 | Silicon | 6850 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 9/15/2004 0:00 | 091504NK119ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 9/15/2004 0:00 | 091504NK119ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 9/15/2004 0:00 | 091504NK119ASW001 | Sodium | 2330 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 9/15/2004 0:00 | 091504NK119ASW001 | Sodium | 2350 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 9/15/2004 0:00 | 091504NK119ASW001 | Specific Conductance | 40 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 9/15/2004 0:00 | 091504NK119ASW001 | Sulfate | 1.22 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
North Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| NK119A | 9/15/2004 0:00 | 091504NK119ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 9/15/2004 0:00 | 091504NK119ASW001 | Thallium | 0.0477 | UG/L | J | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 9/15/2004 0:00 | 091504NK119ASW001 | Thiocyanate | 0.23 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 9/15/2004 0:00 | 091504NK119ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 9/15/2004 0:00 | 091504NK119ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 9/15/2004 0:00 | 091504NK119ASW001 | Total Dissolved Solids | 48.8 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 9/15/2004 0:00 | 091504NK119ASW001 | Total Suspended Solids | 0.5 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 9/15/2004 0:00 | 091504NK119ASW001 | Vanadium | 0.415 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 9/15/2004 0:00 | 091504NK119ASW001 | Vanadium | 0.38 | UG/L | J | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 9/15/2004 0:00 | 091504NK119ASW001 | Zinc | 0.787 | UG/L | BQ1,J | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 9/15/2004 0:00 | 091504NK119ASW001 | Zinc | 1.13 | UG/L | BQ1,J | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 10/17/2004 0:00 | 101704NK119ASW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 10/17/2004 0:00 | 101704NK119ASW001 | Alkalinity, Total | 9.5 | MG/L | J | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 10/17/2004 0:00 | 101704NK119ASW001 | Aluminum | 44.8 | UG/L | BQ1 | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 10/17/2004 0:00 | 101704NK119ASW001 | Aluminum | 10.2 | UG/L | BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 10/17/2004 0:00 | 101704NK119ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 10/17/2004 0:00 | 101704NK119ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 10/17/2004 0:00 | 101704NK119ASW001 | Arsenic | 0 | UG/L | J | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 10/17/2004 0:00 | 101704NK119ASW001 | Arsenic | 2.09 | UG/L | J | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 10/17/2004 0:00 | 101704NK119ASW001 | Barium | 1.91 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 10/17/2004 0:00 | 101704NK119ASW001 | Barium | 2.63 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 10/17/2004 0:00 | 101704NK119ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 10/17/2004 0:00 | 101704NK119ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 10/17/2004 0:00 | 101704NK119ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 10/17/2004 0:00 | 101704NK119ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 10/17/2004 0:00 | 101704NK119ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 10/17/2004 0:00 | 101704NK119ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 10/17/2004 0:00 | 101704NK119ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 10/17/2004 0:00 | 101704NK119ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
North Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| NK119A | 10/17/2004 0:00 | 101704NK119ASW001 | Calcium | 2450 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 10/17/2004 0:00 | 101704NK119ASW001 | Calcium | 8090 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 10/17/2004 0:00 | 101704NK119ASW001 | Chloride | 0.958 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 10/17/2004 0:00 | 101704NK119ASW001 | Chromium | 0.162 | UG/L | J | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 10/17/2004 0:00 | 101704NK119ASW001 | Chromium | 0.33 | UG/L | BQ1 | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 10/17/2004 0:00 | 101704NK119ASW001 | Cobalt | 0.04 | UG/L | BQ1,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 10/17/2004 0:00 | 101704NK119ASW001 | Cobalt | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 10/17/2004 0:00 | 101704NK119ASW001 | Copper | 0.541 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 10/17/2004 0:00 | 101704NK119ASW001 | Copper | 0.177 | UG/L | BQ1,J | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 10/17/2004 0:00 | 101704NK119ASW001 | Cyanide | 0.004 | MG/L | J | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 10/17/2004 0:00 | 101704NK119ASW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 10/17/2004 0:00 | 101704NK119ASW001 | Fluoride | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 10/17/2004 0:00 | 101704NK119ASW001 | Hardness as CaCO3 | 7.94 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 10/17/2004 0:00 | 101704NK119ASW001 | Iron | 98.3 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 10/17/2004 0:00 | 101704NK119ASW001 | Iron | 9.88 | UG/L | J | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 10/17/2004 0:00 | 101704NK119ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 10/17/2004 0:00 | 101704NK119ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 10/17/2004 0:00 | 101704NK119ASW001 | Magnesium | 443 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 10/17/2004 0:00 | 101704NK119ASW001 | Magnesium | 1260 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 10/17/2004 0:00 | 101704NK119ASW001 | Manganese | 7.29 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 10/17/2004 0:00 | 101704NK119ASW001 | Manganese | 0.744 | UG/L | J | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 10/17/2004 0:00 | 101704NK119ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 10/17/2004 0:00 | 101704NK119ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 10/17/2004 0:00 | 101704NK119ASW001 | Nickel | 0.136 | UG/L | J | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 10/17/2004 0:00 | 101704NK119ASW001 | Nickel | 0.228 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 10/17/2004 0:00 | 101704NK119ASW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 10/17/2004 0:00 | 101704NK119ASW001 | Nitrogen, Nitrate-Nitrite | 0.94 | MG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 10/17/2004 0:00 | 101704NK119ASW001 | pH | 7.25 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 10/17/2004 0:00 | 101704NK119ASW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
North Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| NK119A | 10/17/2004 0:00 | 101704NK119ASW001 | Potassium | 327 | UG/L | J | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 10/17/2004 0:00 | 101704NK119ASW001 | Potassium | 115 | UG/L | J | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 10/17/2004 0:00 | 101704NK119ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 10/17/2004 0:00 | 101704NK119ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 10/17/2004 0:00 | 101704NK119ASW001 | Silicon | 5410 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 10/17/2004 0:00 | 101704NK119ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 10/17/2004 0:00 | 101704NK119ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 10/17/2004 0:00 | 101704NK119ASW001 | Sodium | 1600 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 10/17/2004 0:00 | 101704NK119ASW001 | Sodium | 2110 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 10/17/2004 0:00 | 101704NK119ASW001 | Specific Conductance | 27 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 10/17/2004 0:00 | 101704NK119ASW001 | Sulfate | 1.09 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 10/17/2004 0:00 | 101704NK119ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 10/17/2004 0:00 | 101704NK119ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 10/17/2004 0:00 | 101704NK119ASW001 | Thiocyanate | 0.35 | MG/L | J | 1 | 0.059 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 10/17/2004 0:00 | 101704NK119ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 10/17/2004 0:00 | 101704NK119ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 10/17/2004 0:00 | 101704NK119ASW001 | Total Dissolved Solids | 21.3 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 10/17/2004 0:00 | 101704NK119ASW001 | Total Suspended Solids | 0.3 | MG/L | J | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 10/17/2004 0:00 | 101704NK119ASW001 | Vanadium | 0.287 | UG/L | J | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 10/17/2004 0:00 | 101704NK119ASW001 | Vanadium | 0.797 | UG/L | J | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119A | 10/17/2004 0:00 | 101704NK119ASW001 | Zinc | 3.43 | UG/L | BQ1 | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119A | 10/17/2004 0:00 | 101704NK119ASW001 | Zinc | 1.94 | UG/L | BQ,BQ1 | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 4/30/2004 0:00 | 043004NK119BSW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 4/30/2004 0:00 | 043004NK119BSW001 | Alkalinity, Total | 9 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 4/30/2004 0:00 | 043004NK119BSW001 | Aluminum | 69.6 | UG/L | | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 4/30/2004 0:00 | 043004NK119BSW001 | Aluminum | 31.1 | UG/L | BQ1 | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 4/30/2004 0:00 | 043004NK119BSW001 | Antimony | 0.123 | UG/L | J, BQ1 | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 4/30/2004 0:00 | 043004NK119BSW001 | Antimony | 0.453 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 4/30/2004 0:00 | 043004NK119BSW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
North Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| NK119B | 4/30/2004 0:00 | 043004NK119BSW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 4/30/2004 0:00 | 043004NK119BSW001 | Barium | 3.01 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 4/30/2004 0:00 | 043004NK119BSW001 | Barium | 2.82 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 4/30/2004 0:00 | 043004NK119BSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 4/30/2004 0:00 | 043004NK119BSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 4/30/2004 0:00 | 043004NK119BSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 4/30/2004 0:00 | 043004NK119BSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 4/30/2004 0:00 | 043004NK119BSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 4/30/2004 0:00 | 043004NK119BSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 4/30/2004 0:00 | 043004NK119BSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 4/30/2004 0:00 | 043004NK119BSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 4/30/2004 0:00 | 043004NK119BSW001 | Calcium | 2740 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 4/30/2004 0:00 | 043004NK119BSW001 | Calcium | 2950 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 4/30/2004 0:00 | 043004NK119BSW001 | Chloride | 1.06 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 4/30/2004 0:00 | 043004NK119BSW001 | Chromium | 0.189 | UG/L | J | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 4/30/2004 0:00 | 043004NK119BSW001 | Chromium | 0.228 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 4/30/2004 0:00 | 043004NK119BSW001 | Cobalt | 0.0716 | UG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 4/30/2004 0:00 | 043004NK119BSW001 | Cobalt | 0.332 | UG/L | J | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 4/30/2004 0:00 | 043004NK119BSW001 | Copper | 1.06 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 4/30/2004 0:00 | 043004NK119BSW001 | Copper | 0.711 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 4/30/2004 0:00 | 043004NK119BSW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 4/30/2004 0:00 | 043004NK119BSW001 | Cyanide, Weak Acid Dissociable | 0.0039 | MG/L | J | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 4/30/2004 0:00 | 043004NK119BSW001 | Fluoride | 0.041 | MG/L | J, BQ | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 4/30/2004 0:00 | 043004NK119BSW001 | Hardness as CaCO3 | 9.26 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 4/30/2004 0:00 | 043004NK119BSW001 | Hardness as CaCO3 | 9.74 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 4/30/2004 0:00 | 043004NK119BSW001 | Iron | 133 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 4/30/2004 0:00 | 043004NK119BSW001 | Iron | 232 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 4/30/2004 0:00 | 043004NK119BSW001 | Lead | 0.172 | UG/L | J, BQ1 | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 4/30/2004 0:00 | 043004NK119BSW001 | Lead | 0.142 | UG/L | J | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
North Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| NK119B | 4/30/2004 0:00 | 043004NK119BSW001 | Magnesium | 578 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 4/30/2004 0:00 | 043004NK119BSW001 | Magnesium | 585 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 4/30/2004 0:00 | 043004NK119BSW001 | Manganese | 9.96 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 4/30/2004 0:00 | 043004NK119BSW001 | Manganese | 12.8 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 4/30/2004 0:00 | 043004NK119BSW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 4/30/2004 0:00 | 043004NK119BSW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 4/30/2004 0:00 | 043004NK119BSW001 | Nickel | 0.242 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 4/30/2004 0:00 | 043004NK119BSW001 | Nickel | 0.319 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 4/30/2004 0:00 | 043004NK119BSW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 4/30/2004 0:00 | 043004NK119BSW001 | Nitrogen, Nitrate-Nitrite | 0.049 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 4/30/2004 0:00 | 043004NK119BSW001 | pH | 6.6 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 4/30/2004 0:00 | 043004NK119BSW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 4/30/2004 0:00 | 043004NK119BSW001 | Potassium | 341 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 4/30/2004 0:00 | 043004NK119BSW001 | Potassium | 334 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 4/30/2004 0:00 | 043004NK119BSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 4/30/2004 0:00 | 043004NK119BSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 4/30/2004 0:00 | 043004NK119BSW001 | Silicon | 3820 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 4/30/2004 0:00 | 043004NK119BSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 4/30/2004 0:00 | 043004NK119BSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 4/30/2004 0:00 | 043004NK119BSW001 | Sodium | 1710 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 4/30/2004 0:00 | 043004NK119BSW001 | Sodium | 1650 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 4/30/2004 0:00 | 043004NK119BSW001 | Specific Conductance | 31 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 4/30/2004 0:00 | 043004NK119BSW001 | Sulfate | 2.87 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 4/30/2004 0:00 | 043004NK119BSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 4/30/2004 0:00 | 043004NK119BSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 4/30/2004 0:00 | 043004NK119BSW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 4/30/2004 0:00 | 043004NK119BSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 4/30/2004 0:00 | 043004NK119BSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 4/30/2004 0:00 | 043004NK119BSW001 | Total Dissolved Solids | 32.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
North Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| NK119B | 4/30/2004 0:00 | 043004NK119BSW001 | Total Suspended Solids | 1.74 | MG/L | | 0.513 | 0.154 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 4/30/2004 0:00 | 043004NK119BSW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 4/30/2004 0:00 | 043004NK119BSW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 4/30/2004 0:00 | 043004NK119BSW001 | Zinc | 4.02 | UG/L | J | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 4/30/2004 0:00 | 043004NK119BSW001 | Zinc | 2.33 | UG/L | J | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 5/21/2004 0:00 | 052104NK119BSW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 5/21/2004 0:00 | 052104NK119BSW001 | Alkalinity, Total | 5.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 5/21/2004 0:00 | 052104NK119BSW001 | Aluminum | 58.7 | UG/L | BQ | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 5/21/2004 0:00 | 052104NK119BSW001 | Aluminum | 31.7 | UG/L | J | 62.5 | 19.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 5/21/2004 0:00 | 052104NK119BSW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 5/21/2004 0:00 | 052104NK119BSW001 | Antimony | 0.282 | UG/L | J,BQ1,BQ | 0.5 | 0.193 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 5/21/2004 0:00 | 052104NK119BSW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 5/21/2004 0:00 | 052104NK119BSW001 | Arsenic | 0 | UG/L | | 1.25 | 0.625 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 5/21/2004 0:00 | 052104NK119BSW001 | Barium | 2.59 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 5/21/2004 0:00 | 052104NK119BSW001 | Barium | 2.54 | UG/L | | 0.75 | 0.235 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 5/21/2004 0:00 | 052104NK119BSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 5/21/2004 0:00 | 052104NK119BSW001 | Beryllium | 0 | UG/L | | 0.075 | 0.0375 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 5/21/2004 0:00 | 052104NK119BSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 5/21/2004 0:00 | 052104NK119BSW001 | Bismuth | 0 | UG/L | | 12.5 | 3.75 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 5/21/2004 0:00 | 052104NK119BSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 5/21/2004 0:00 | 052104NK119BSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 5/21/2004 0:00 | 052104NK119BSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 5/21/2004 0:00 | 052104NK119BSW001 | Cadmium | 0 | UG/L | | 0.25 | 0.0775 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 5/21/2004 0:00 | 052104NK119BSW001 | Calcium | 1790 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 5/21/2004 0:00 | 052104NK119BSW001 | Calcium | 1820 | UG/L | | 125 | 37.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 5/21/2004 0:00 | 052104NK119BSW001 | Chloride | 0.567 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 5/21/2004 0:00 | 052104NK119BSW001 | Chromium | 0.23 | UG/L | BQ1 | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 5/21/2004 0:00 | 052104NK119BSW001 | Chromium | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 5/21/2004 0:00 | 052104NK119BSW001 | Cobalt | 0.0373 | UG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
North Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| NK119B | 5/21/2004 0:00 | 052104NK119BSW001 | Cobalt | 2.34 | UG/L | J+ | 0.25 | 0.0775 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 5/21/2004 0:00 | 052104NK119BSW001 | Copper | 0.434 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 5/21/2004 0:00 | 052104NK119BSW001 | Copper | 0.426 | UG/L | J,BQ1 | 0.5 | 0.155 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 5/21/2004 0:00 | 052104NK119BSW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 5/21/2004 0:00 | 052104NK119BSW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 5/21/2004 0:00 | 052104NK119BSW001 | Fluoride | 0.049 | MG/L | J,BQ | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 5/21/2004 0:00 | 052104NK119BSW001 | Hardness as CaCO3 | 6.15 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 5/21/2004 0:00 | 052104NK119BSW001 | Hardness as CaCO3 | 6.24 | MG/L | | 1.25 | 1.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 5/21/2004 0:00 | 052104NK119BSW001 | Iron | 173 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 5/21/2004 0:00 | 052104NK119BSW001 | Iron | 92.6 | UG/L | | 50 | 15.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 5/21/2004 0:00 | 052104NK119BSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 5/21/2004 0:00 | 052104NK119BSW001 | Lead | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 5/21/2004 0:00 | 052104NK119BSW001 | Magnesium | 406 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 5/21/2004 0:00 | 052104NK119BSW001 | Magnesium | 410 | UG/L | | 50 | 15.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 5/21/2004 0:00 | 052104NK119BSW001 | Manganese | 5.26 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 5/21/2004 0:00 | 052104NK119BSW001 | Manganese | 5.93 | UG/L | | 2.5 | 1.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 5/21/2004 0:00 | 052104NK119BSW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 5/21/2004 0:00 | 052104NK119BSW001 | Molybdenum | 0 | UG/L | | 2.5 | 0.775 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 5/21/2004 0:00 | 052104NK119BSW001 | Nickel | 0.166 | UG/L | J,BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 5/21/2004 0:00 | 052104NK119BSW001 | Nickel | 0.291 | UG/L | J,BQ1 | 0.5 | 0.155 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 5/21/2004 0:00 | 052104NK119BSW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 5/21/2004 0:00 | 052104NK119BSW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | R | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 5/21/2004 0:00 | 052104NK119BSW001 | pH | 7.5 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 5/21/2004 0:00 | 052104NK119BSW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 5/21/2004 0:00 | 052104NK119BSW001 | Potassium | 196 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 5/21/2004 0:00 | 052104NK119BSW001 | Potassium | 203 | UG/L | | 125 | 37.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 5/21/2004 0:00 | 052104NK119BSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 5/21/2004 0:00 | 052104NK119BSW001 | Selenium | 0 | UG/L | | 2.5 | 0.775 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 5/21/2004 0:00 | 052104NK119BSW001 | Silicon | 3230 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
North Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| NK119B | 5/21/2004 0:00 | 052104NK119BSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 5/21/2004 0:00 | 052104NK119BSW001 | Silver | 0 | UG/L | | 0.05 | 0.0155 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 5/21/2004 0:00 | 052104NK119BSW001 | Sodium | 1310 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 5/21/2004 0:00 | 052104NK119BSW001 | Sodium | 1480 | UG/L | | 250 | 77.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 5/21/2004 0:00 | 052104NK119BSW001 | Specific Conductance | 23 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 5/21/2004 0:00 | 052104NK119BSW001 | Sulfate | 2.64 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 5/21/2004 0:00 | 052104NK119BSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 5/21/2004 0:00 | 052104NK119BSW001 | Thallium | 0 | UG/L | | 0.125 | 0.0625 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 5/21/2004 0:00 | 052104NK119BSW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 5/21/2004 0:00 | 052104NK119BSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 5/21/2004 0:00 | 052104NK119BSW001 | Tin | 0 | UG/L | | 2.5 | 0.775 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 5/21/2004 0:00 | 052104NK119BSW001 | Total Dissolved Solids | 35 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 5/21/2004 0:00 | 052104NK119BSW001 | Total Suspended Solids | 0.8 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 5/21/2004 0:00 | 052104NK119BSW001 | Vanadium | 0 | UG/L | | 1 | 0.625 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 5/21/2004 0:00 | 052104NK119BSW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 5/21/2004 0:00 | 052104NK119BSW001 | Zinc | 0.853 | UG/L | J,BQ1 | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 5/21/2004 0:00 | 052104NK119BSW001 | Zinc | 0 | UG/L | | 3.75 | 1.18 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 6/15/2004 0:00 | 061504NK119BSW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 6/15/2004 0:00 | 061504NK119BSW001 | Alkalinity, Total | 10 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 6/15/2004 0:00 | 061504NK119BSW001 | Aluminum | 28.1 | UG/L | BQ,BQ1 | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 6/15/2004 0:00 | 061504NK119BSW001 | Aluminum | 17.3 | UG/L | BQ,BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 6/15/2004 0:00 | 061504NK119BSW001 | Antimony | 0.103 | UG/L | J | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 6/15/2004 0:00 | 061504NK119BSW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 6/15/2004 0:00 | 061504NK119BSW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 6/15/2004 0:00 | 061504NK119BSW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 6/15/2004 0:00 | 061504NK119BSW001 | Barium | 2.44 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 6/15/2004 0:00 | 061504NK119BSW001 | Barium | 2.14 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 6/15/2004 0:00 | 061504NK119BSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 6/15/2004 0:00 | 061504NK119BSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
North Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| NK119B | 6/15/2004 0:00 | 061504NK119BSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 6/15/2004 0:00 | 061504NK119BSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 6/15/2004 0:00 | 061504NK119BSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 6/15/2004 0:00 | 061504NK119BSW001 | Boron | 7.61 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 6/15/2004 0:00 | 061504NK119BSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 6/15/2004 0:00 | 061504NK119BSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 6/15/2004 0:00 | 061504NK119BSW001 | Calcium | 2920 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 6/15/2004 0:00 | 061504NK119BSW001 | Calcium | 2920 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 6/15/2004 0:00 | 061504NK119BSW001 | Chloride | 0.638 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 6/15/2004 0:00 | 061504NK119BSW001 | Chromium | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 6/15/2004 0:00 | 061504NK119BSW001 | Chromium | 0.3 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 6/15/2004 0:00 | 061504NK119BSW001 | Cobalt | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 6/15/2004 0:00 | 061504NK119BSW001 | Cobalt | 2.2 | UG/L | BQ1 | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 6/15/2004 0:00 | 061504NK119BSW001 | Copper | 0.388 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 6/15/2004 0:00 | 061504NK119BSW001 | Copper | 0.311 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 6/15/2004 0:00 | 061504NK119BSW001 | Cyanide | 0.0047 | MG/L | J | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 6/15/2004 0:00 | 061504NK119BSW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 6/15/2004 0:00 | 061504NK119BSW001 | Fluoride | 0.058 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 6/15/2004 0:00 | 061504NK119BSW001 | Hardness as CaCO3 | 9.83 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 6/15/2004 0:00 | 061504NK119BSW001 | Hardness as CaCO3 | 9.87 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 6/15/2004 0:00 | 061504NK119BSW001 | Iron | 71.5 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 6/15/2004 0:00 | 061504NK119BSW001 | Iron | 54.3 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 6/15/2004 0:00 | 061504NK119BSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 6/15/2004 0:00 | 061504NK119BSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 6/15/2004 0:00 | 061504NK119BSW001 | Magnesium | 620 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 6/15/2004 0:00 | 061504NK119BSW001 | Magnesium | 629 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 6/15/2004 0:00 | 061504NK119BSW001 | Manganese | 2.12 | UG/L | BQ1,J | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 6/15/2004 0:00 | 061504NK119BSW001 | Manganese | 4.45 | UG/L | BQ1,J | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 6/15/2004 0:00 | 061504NK119BSW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
North Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| NK119B | 6/15/2004 0:00 | 061504NK119BSW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 6/15/2004 0:00 | 061504NK119BSW001 | Nickel | 0.217 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 6/15/2004 0:00 | 061504NK119BSW001 | Nickel | 0.348 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 6/15/2004 0:00 | 061504NK119BSW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 6/15/2004 0:00 | 061504NK119BSW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | R | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 6/15/2004 0:00 | 061504NK119BSW001 | pH | 7.22 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 6/15/2004 0:00 | 061504NK119BSW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 6/15/2004 0:00 | 061504NK119BSW001 | Potassium | 224 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 6/15/2004 0:00 | 061504NK119BSW001 | Potassium | 224 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 6/15/2004 0:00 | 061504NK119BSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 6/15/2004 0:00 | 061504NK119BSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 6/15/2004 0:00 | 061504NK119BSW001 | Silicon | 4250 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 6/15/2004 0:00 | 061504NK119BSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 6/15/2004 0:00 | 061504NK119BSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 6/15/2004 0:00 | 061504NK119BSW001 | Sodium | 1940 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 6/15/2004 0:00 | 061504NK119BSW001 | Sodium | 2000 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 6/15/2004 0:00 | 061504NK119BSW001 | Specific Conductance | 35 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 6/15/2004 0:00 | 061504NK119BSW001 | Sulfate | 4.71 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 6/15/2004 0:00 | 061504NK119BSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 6/15/2004 0:00 | 061504NK119BSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 6/15/2004 0:00 | 061504NK119BSW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 6/15/2004 0:00 | 061504NK119BSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 6/15/2004 0:00 | 061504NK119BSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 6/15/2004 0:00 | 061504NK119BSW001 | Total Dissolved Solids | 33.8 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 6/15/2004 0:00 | 061504NK119BSW001 | Total Suspended Solids | 1.03 | MG/L | | 0.513 | 0.154 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 6/15/2004 0:00 | 061504NK119BSW001 | Vanadium | 0.271 | UG/L | J | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 6/15/2004 0:00 | 061504NK119BSW001 | Vanadium | 0.283 | UG/L | J | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 6/15/2004 0:00 | 061504NK119BSW001 | Zinc | 2.35 | UG/L | BQ1 | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 6/15/2004 0:00 | 061504NK119BSW001 | Zinc | 1.68 | UG/L | BQ1 | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |

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Pebble Project
North Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| NK119B | 7/14/2004 0:00 | 071404NK119BSW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 7/14/2004 0:00 | 071404NK119BSW001 | Alkalinity, Total | 23 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 7/14/2004 0:00 | 071404NK119BSW001 | Aluminum | 16.7 | UG/L | BQ,BQ1,J | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 7/14/2004 0:00 | 071404NK119BSW001 | Aluminum | 9.22 | UG/L | BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 7/14/2004 0:00 | 071404NK119BSW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 7/14/2004 0:00 | 071404NK119BSW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 7/14/2004 0:00 | 071404NK119BSW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 7/14/2004 0:00 | 071404NK119BSW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 7/14/2004 0:00 | 071404NK119BSW001 | Barium | 4.01 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 7/14/2004 0:00 | 071404NK119BSW001 | Barium | 3.53 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 7/14/2004 0:00 | 071404NK119BSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 7/14/2004 0:00 | 071404NK119BSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 7/14/2004 0:00 | 071404NK119BSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 7/14/2004 0:00 | 071404NK119BSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 7/14/2004 0:00 | 071404NK119BSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 7/14/2004 0:00 | 071404NK119BSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 7/14/2004 0:00 | 071404NK119BSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 7/14/2004 0:00 | 071404NK119BSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 7/14/2004 0:00 | 071404NK119BSW001 | Calcium | 3650 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 7/14/2004 0:00 | 071404NK119BSW001 | Calcium | 3560 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 7/14/2004 0:00 | 071404NK119BSW001 | Chloride | 0.656 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 7/14/2004 0:00 | 071404NK119BSW001 | Chromium | 0.175 | UG/L | BQ1,J | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 7/14/2004 0:00 | 071404NK119BSW001 | Chromium | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 7/14/2004 0:00 | 071404NK119BSW001 | Cobalt | 0 | UG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 7/14/2004 0:00 | 071404NK119BSW001 | Cobalt | 0.629 | UG/L | BQ1,J | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 7/14/2004 0:00 | 071404NK119BSW001 | Copper | 0.402 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 7/14/2004 0:00 | 071404NK119BSW001 | Copper | 0.385 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 7/14/2004 0:00 | 071404NK119BSW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 7/14/2004 0:00 | 071404NK119BSW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
North Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| NK119B | 7/14/2004 0:00 | 071404NK119BSW001 | Fluoride | 0.047 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 7/14/2004 0:00 | 071404NK119BSW001 | Hardness as CaCO3 | 12 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 7/14/2004 0:00 | 071404NK119BSW001 | Hardness as CaCO3 | 11.7 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 7/14/2004 0:00 | 071404NK119BSW001 | Iron | 34.9 | UG/L | BQ1 | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 7/14/2004 0:00 | 071404NK119BSW001 | Iron | 29.4 | UG/L | BQ1 | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 7/14/2004 0:00 | 071404NK119BSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 7/14/2004 0:00 | 071404NK119BSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 7/14/2004 0:00 | 071404NK119BSW001 | Magnesium | 694 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 7/14/2004 0:00 | 071404NK119BSW001 | Magnesium | 690 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 7/14/2004 0:00 | 071404NK119BSW001 | Manganese | 0.958 | UG/L | J | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 7/14/2004 0:00 | 071404NK119BSW001 | Manganese | 1.45 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 7/14/2004 0:00 | 071404NK119BSW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 7/14/2004 0:00 | 071404NK119BSW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 7/14/2004 0:00 | 071404NK119BSW001 | Nickel | 0.172 | UG/L | BQ1,J | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 7/14/2004 0:00 | 071404NK119BSW001 | Nickel | 0.392 | UG/L | BQ1,J | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 7/14/2004 0:00 | 071404NK119BSW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 7/14/2004 0:00 | 071404NK119BSW001 | Nitrogen, Nitrate-Nitrite | 3.94 | MG/L | | 2 | 0.62 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 7/14/2004 0:00 | 071404NK119BSW001 | pH | 7.6 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 7/14/2004 0:00 | 071404NK119BSW001 | Phosphorus, Total (as P) | 0.0652 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 7/14/2004 0:00 | 071404NK119BSW001 | Potassium | 324 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 7/14/2004 0:00 | 071404NK119BSW001 | Potassium | 308 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 7/14/2004 0:00 | 071404NK119BSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 7/14/2004 0:00 | 071404NK119BSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 7/14/2004 0:00 | 071404NK119BSW001 | Silicon | 5050 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 7/14/2004 0:00 | 071404NK119BSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 7/14/2004 0:00 | 071404NK119BSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 7/14/2004 0:00 | 071404NK119BSW001 | Sodium | 2510 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 7/14/2004 0:00 | 071404NK119BSW001 | Sodium | 2480 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 7/14/2004 0:00 | 071404NK119BSW001 | Specific Conductance | 41 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
North Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| NK119B | 7/14/2004 0:00 | 071404NK119BSW001 | Sulfate | 5.26 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 7/14/2004 0:00 | 071404NK119BSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 7/14/2004 0:00 | 071404NK119BSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 7/14/2004 0:00 | 071404NK119BSW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 7/14/2004 0:00 | 071404NK119BSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 7/14/2004 0:00 | 071404NK119BSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 7/14/2004 0:00 | 071404NK119BSW001 | Total Dissolved Solids | 41.3 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 7/14/2004 0:00 | 071404NK119BSW001 | Total Suspended Solids | 0 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 7/14/2004 0:00 | 071404NK119BSW001 | Vanadium | 0.314 | UG/L | J | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 7/14/2004 0:00 | 071404NK119BSW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 7/14/2004 0:00 | 071404NK119BSW001 | Zinc | 0.783 | UG/L | BQ1,J | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 7/14/2004 0:00 | 071404NK119BSW001 | Zinc | 1.12 | UG/L | BQ1,J | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 8/24/2004 0:00 | 082404NK119BSW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 8/24/2004 0:00 | 082404NK119BSW001 | Alkalinity, Total | 14 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 8/24/2004 0:00 | 082404NK119BSW001 | Aluminum | 18.4 | UG/L | BQ,BQ1,J | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 8/24/2004 0:00 | 082404NK119BSW001 | Aluminum | 13.8 | UG/L | BQ,BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 8/24/2004 0:00 | 082404NK119BSW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 8/24/2004 0:00 | 082404NK119BSW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 8/24/2004 0:00 | 082404NK119BSW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 8/24/2004 0:00 | 082404NK119BSW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 8/24/2004 0:00 | 082404NK119BSW001 | Barium | 3.53 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 8/24/2004 0:00 | 082404NK119BSW001 | Barium | 3.56 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 8/24/2004 0:00 | 082404NK119BSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 8/24/2004 0:00 | 082404NK119BSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 8/24/2004 0:00 | 082404NK119BSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 8/24/2004 0:00 | 082404NK119BSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 8/24/2004 0:00 | 082404NK119BSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 8/24/2004 0:00 | 082404NK119BSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 8/24/2004 0:00 | 082404NK119BSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
North Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| NK119B | 8/24/2004 0:00 | 082404NK119BSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 8/24/2004 0:00 | 082404NK119BSW001 | Calcium | 3750 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 8/24/2004 0:00 | 082404NK119BSW001 | Calcium | 3640 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 8/24/2004 0:00 | 082404NK119BSW001 | Chloride | 0.76 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 8/24/2004 0:00 | 082404NK119BSW001 | Chromium | 0.287 | UG/L | BQ1 | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 8/24/2004 0:00 | 082404NK119BSW001 | Chromium | 0.133 | UG/L | BQ1,J | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 8/24/2004 0:00 | 082404NK119BSW001 | Cobalt | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 8/24/2004 0:00 | 082404NK119BSW001 | Cobalt | 0.454 | UG/L | BQ1 | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 8/24/2004 0:00 | 082404NK119BSW001 | Copper | 0.387 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 8/24/2004 0:00 | 082404NK119BSW001 | Copper | 0.386 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 8/24/2004 0:00 | 082404NK119BSW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 8/24/2004 0:00 | 082404NK119BSW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 8/24/2004 0:00 | 082404NK119BSW001 | Fluoride | 0.079 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 8/24/2004 0:00 | 082404NK119BSW001 | Hardness as CaCO3 | 12.2 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 8/24/2004 0:00 | 082404NK119BSW001 | Hardness as CaCO3 | 12 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 8/24/2004 0:00 | 082404NK119BSW001 | Iron | 26.4 | UG/L | BQ1 | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 8/24/2004 0:00 | 082404NK119BSW001 | Iron | 15.6 | UG/L | BQ1,J | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 8/24/2004 0:00 | 082404NK119BSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 8/24/2004 0:00 | 082404NK119BSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 8/24/2004 0:00 | 082404NK119BSW001 | Magnesium | 693 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 8/24/2004 0:00 | 082404NK119BSW001 | Magnesium | 705 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 8/24/2004 0:00 | 082404NK119BSW001 | Manganese | 0.789 | UG/L | BQ1,J | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 8/24/2004 0:00 | 082404NK119BSW001 | Manganese | 1.01 | UG/L | BQ1 | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 8/24/2004 0:00 | 082404NK119BSW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 8/24/2004 0:00 | 082404NK119BSW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 8/24/2004 0:00 | 082404NK119BSW001 | Nickel | 0.12 | UG/L | J | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 8/24/2004 0:00 | 082404NK119BSW001 | Nickel | 0.307 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 8/24/2004 0:00 | 082404NK119BSW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 8/24/2004 0:00 | 082404NK119BSW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
North Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| NK119B | 8/24/2004 0:00 | 082404NK119BSW001 | pH | 7.5 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 8/24/2004 0:00 | 082404NK119BSW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 8/24/2004 0:00 | 082404NK119BSW001 | Potassium | 320 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 8/24/2004 0:00 | 082404NK119BSW001 | Potassium | 313 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 8/24/2004 0:00 | 082404NK119BSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 8/24/2004 0:00 | 082404NK119BSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 8/24/2004 0:00 | 082404NK119BSW001 | Silicon | 5580 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 8/24/2004 0:00 | 082404NK119BSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 8/24/2004 0:00 | 082404NK119BSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 8/24/2004 0:00 | 082404NK119BSW001 | Sodium | 2070 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 8/24/2004 0:00 | 082404NK119BSW001 | Sodium | 2100 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 8/24/2004 0:00 | 082404NK119BSW001 | Specific Conductance | 39 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 8/24/2004 0:00 | 082404NK119BSW001 | Sulfate | 4.5 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 8/24/2004 0:00 | 082404NK119BSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 8/24/2004 0:00 | 082404NK119BSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 8/24/2004 0:00 | 082404NK119BSW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 8/24/2004 0:00 | 082404NK119BSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 8/24/2004 0:00 | 082404NK119BSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 8/24/2004 0:00 | 082404NK119BSW001 | Total Dissolved Solids | 30 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 8/24/2004 0:00 | 082404NK119BSW001 | Total Suspended Solids | 0.5 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 8/24/2004 0:00 | 082404NK119BSW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 8/24/2004 0:00 | 082404NK119BSW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 8/24/2004 0:00 | 082404NK119BSW001 | Zinc | 0.732 | UG/L | BQ1,J | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 8/24/2004 0:00 | 082404NK119BSW001 | Zinc | 0.775 | UG/L | BQ1,J | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 9/15/2004 0:00 | 091504NK119BSW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 9/15/2004 0:00 | 091504NK119BSW001 | Alkalinity, Total | 18.25 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 9/15/2004 0:00 | 091504NK119BSW001 | Aluminum | 8.29 | UG/L | BQ,BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 9/15/2004 0:00 | 091504NK119BSW001 | Aluminum | 14.8 | UG/L | BQ,BQ1,J | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 9/15/2004 0:00 | 091504NK119BSW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
North Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| NK119B | 9/15/2004 0:00 | 091504NK119BSW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 9/15/2004 0:00 | 091504NK119BSW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 9/15/2004 0:00 | 091504NK119BSW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 9/15/2004 0:00 | 091504NK119BSW001 | Barium | 1.71 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 9/15/2004 0:00 | 091504NK119BSW001 | Barium | 1.91 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 9/15/2004 0:00 | 091504NK119BSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 9/15/2004 0:00 | 091504NK119BSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 9/15/2004 0:00 | 091504NK119BSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 9/15/2004 0:00 | 091504NK119BSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 9/15/2004 0:00 | 091504NK119BSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 9/15/2004 0:00 | 091504NK119BSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 9/15/2004 0:00 | 091504NK119BSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 9/15/2004 0:00 | 091504NK119BSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 9/15/2004 0:00 | 091504NK119BSW001 | Calcium | 3500 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 9/15/2004 0:00 | 091504NK119BSW001 | Calcium | 3940 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 9/15/2004 0:00 | 091504NK119BSW001 | Chloride | 0.717 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 9/15/2004 0:00 | 091504NK119BSW001 | Chromium | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 9/15/2004 0:00 | 091504NK119BSW001 | Chromium | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 9/15/2004 0:00 | 091504NK119BSW001 | Cobalt | 0.5 | UG/L | J,BQ1 | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 9/15/2004 0:00 | 091504NK119BSW001 | Cobalt | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 9/15/2004 0:00 | 091504NK119BSW001 | Copper | 0.318 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 9/15/2004 0:00 | 091504NK119BSW001 | Copper | 0.245 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 9/15/2004 0:00 | 091504NK119BSW001 | Cyanide | 0.004 | MG/L | BQ,J | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 9/15/2004 0:00 | 091504NK119BSW001 | Cyanide, Weak Acid Dissociable | 0.0027 | MG/L | J | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 9/15/2004 0:00 | 091504NK119BSW001 | Fluoride | 0.133 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 9/15/2004 0:00 | 091504NK119BSW001 | Hardness as CaCO3 | 11.7 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 9/15/2004 0:00 | 091504NK119BSW001 | Hardness as CaCO3 | 12.9 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 9/15/2004 0:00 | 091504NK119BSW001 | Iron | 38.5 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 9/15/2004 0:00 | 091504NK119BSW001 | Iron | 67.1 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
North Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| NK119B | 9/15/2004 0:00 | 091504NK119BSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 9/15/2004 0:00 | 091504NK119BSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 9/15/2004 0:00 | 091504NK119BSW001 | Magnesium | 725 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 9/15/2004 0:00 | 091504NK119BSW001 | Magnesium | 753 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 9/15/2004 0:00 | 091504NK119BSW001 | Manganese | 1.25 | UG/L | BQ1 | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 9/15/2004 0:00 | 091504NK119BSW001 | Manganese | 1.07 | UG/L | BQ1 | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 9/15/2004 0:00 | 091504NK119BSW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 9/15/2004 0:00 | 091504NK119BSW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 9/15/2004 0:00 | 091504NK119BSW001 | Nickel | 0.32 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 9/15/2004 0:00 | 091504NK119BSW001 | Nickel | 0.158 | UG/L | BQ1,J | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 9/15/2004 0:00 | 091504NK119BSW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 9/15/2004 0:00 | 091504NK119BSW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | | 2 | 2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 9/15/2004 0:00 | 091504NK119BSW001 | pH | 7.15 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 9/15/2004 0:00 | 091504NK119BSW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 9/15/2004 0:00 | 091504NK119BSW001 | Potassium | 199 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 9/15/2004 0:00 | 091504NK119BSW001 | Potassium | 215 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 9/15/2004 0:00 | 091504NK119BSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 9/15/2004 0:00 | 091504NK119BSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 9/15/2004 0:00 | 091504NK119BSW001 | Silicon | 6510 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 9/15/2004 0:00 | 091504NK119BSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 9/15/2004 0:00 | 091504NK119BSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 9/15/2004 0:00 | 091504NK119BSW001 | Sodium | 2230 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 9/15/2004 0:00 | 091504NK119BSW001 | Sodium | 2170 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 9/15/2004 0:00 | 091504NK119BSW001 | Specific Conductance | 38 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 9/15/2004 0:00 | 091504NK119BSW001 | Sulfate | 1.51 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 9/15/2004 0:00 | 091504NK119BSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 9/15/2004 0:00 | 091504NK119BSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 9/15/2004 0:00 | 091504NK119BSW001 | Thiocyanate | 0.24 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 9/15/2004 0:00 | 091504NK119BSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
North Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| NK119B | 9/15/2004 0:00 | 091504NK119BSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 9/15/2004 0:00 | 091504NK119BSW001 | Total Dissolved Solids | 37.5 | MG/L | BQ | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 9/15/2004 0:00 | 091504NK119BSW001 | Total Suspended Solids | 0.4 | MG/L | J | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 9/15/2004 0:00 | 091504NK119BSW001 | Vanadium | 0.403 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 9/15/2004 0:00 | 091504NK119BSW001 | Vanadium | 0.355 | UG/L | J | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 9/15/2004 0:00 | 091504NK119BSW001 | Zinc | 1.54 | UG/L | BQ1 | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 9/15/2004 0:00 | 091504NK119BSW001 | Zinc | 1.51 | UG/L | BQ1 | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 10/18/2004 0:00 | 101804NK119BSW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 10/18/2004 0:00 | 101804NK119BSW001 | Alkalinity, Total | 9 | MG/L | J | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 10/18/2004 0:00 | 101804NK119BSW001 | Aluminum | 25.3 | UG/L | BQ1 | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 10/18/2004 0:00 | 101804NK119BSW001 | Aluminum | 27.5 | UG/L | BQ,BQ1 | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 10/18/2004 0:00 | 101804NK119BSW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 10/18/2004 0:00 | 101804NK119BSW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 10/18/2004 0:00 | 101804NK119BSW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 10/18/2004 0:00 | 101804NK119BSW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 10/18/2004 0:00 | 101804NK119BSW001 | Barium | 2.82 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 10/18/2004 0:00 | 101804NK119BSW001 | Barium | 2.83 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 10/18/2004 0:00 | 101804NK119BSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 10/18/2004 0:00 | 101804NK119BSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 10/18/2004 0:00 | 101804NK119BSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 10/18/2004 0:00 | 101804NK119BSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 10/18/2004 0:00 | 101804NK119BSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 10/18/2004 0:00 | 101804NK119BSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 10/18/2004 0:00 | 101804NK119BSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 10/18/2004 0:00 | 101804NK119BSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 10/18/2004 0:00 | 101804NK119BSW001 | Calcium | 2800 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 10/18/2004 0:00 | 101804NK119BSW001 | Calcium | 2710 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 10/18/2004 0:00 | 101804NK119BSW001 | Chloride | 1.04 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 10/18/2004 0:00 | 101804NK119BSW001 | Chromium | 0.122 | UG/L | BQ1,J | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
North Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| NK119B | 10/18/2004 0:00 | 101804NK119BSW001 | Chromium | 0.156 | UG/L | J | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 10/18/2004 0:00 | 101804NK119BSW001 | Cobalt | 0.689 | UG/L | BQ1,J | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 10/18/2004 0:00 | 101804NK119BSW001 | Cobalt | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 10/18/2004 0:00 | 101804NK119BSW001 | Copper | 0.318 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 10/18/2004 0:00 | 101804NK119BSW001 | Copper | 0.393 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 10/18/2004 0:00 | 101804NK119BSW001 | Cyanide | 0.003 | MG/L | J | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 10/18/2004 0:00 | 101804NK119BSW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 10/18/2004 0:00 | 101804NK119BSW001 | Fluoride | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 10/18/2004 0:00 | 101804NK119BSW001 | Hardness as CaCO3 | 9.12 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 10/18/2004 0:00 | 101804NK119BSW001 | Iron | 28.7 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 10/18/2004 0:00 | 101804NK119BSW001 | Iron | 48.2 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 10/18/2004 0:00 | 101804NK119BSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 10/18/2004 0:00 | 101804NK119BSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 10/18/2004 0:00 | 101804NK119BSW001 | Magnesium | 597 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 10/18/2004 0:00 | 101804NK119BSW001 | Magnesium | 570 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 10/18/2004 0:00 | 101804NK119BSW001 | Manganese | 2.17 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 10/18/2004 0:00 | 101804NK119BSW001 | Manganese | 1.65 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 10/18/2004 0:00 | 101804NK119BSW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 10/18/2004 0:00 | 101804NK119BSW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 10/18/2004 0:00 | 101804NK119BSW001 | Nickel | 0.358 | UG/L | J | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 10/18/2004 0:00 | 101804NK119BSW001 | Nickel | 0.141 | UG/L | J | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 10/18/2004 0:00 | 101804NK119BSW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 10/18/2004 0:00 | 101804NK119BSW001 | Nitrogen, Nitrate-Nitrite | 0.61 | MG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 10/18/2004 0:00 | 101804NK119BSW001 | pH | 7.15 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 10/18/2004 0:00 | 101804NK119BSW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 10/18/2004 0:00 | 101804NK119BSW001 | Potassium | 207 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 10/18/2004 0:00 | 101804NK119BSW001 | Potassium | 196 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 10/18/2004 0:00 | 101804NK119BSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 10/18/2004 0:00 | 101804NK119BSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
North Fork Koktuli River
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| NK119B | 10/18/2004 0:00 | 101804NK119BSW001 | Silicon | 5420 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 10/18/2004 0:00 | 101804NK119BSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 10/18/2004 0:00 | 101804NK119BSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 10/18/2004 0:00 | 101804NK119BSW001 | Sodium | 1840 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 10/18/2004 0:00 | 101804NK119BSW001 | Sodium | 1740 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 10/18/2004 0:00 | 101804NK119BSW001 | Specific Conductance | 33 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 10/18/2004 0:00 | 101804NK119BSW001 | Sulfate | 4.53 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 10/18/2004 0:00 | 101804NK119BSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 10/18/2004 0:00 | 101804NK119BSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 10/18/2004 0:00 | 101804NK119BSW001 | Thiocyanate | 0.43 | MG/L | J | 1 | 0.059 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 10/18/2004 0:00 | 101804NK119BSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 10/18/2004 0:00 | 101804NK119BSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 10/18/2004 0:00 | 101804NK119BSW001 | Total Dissolved Solids | 8.75 | MG/L | BQ,J | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 10/18/2004 0:00 | 101804NK119BSW001 | Total Suspended Solids | 0 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 10/18/2004 0:00 | 101804NK119BSW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| NK119B | 10/18/2004 0:00 | 101804NK119BSW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 10/18/2004 0:00 | 101804NK119BSW001 | Zinc | 1.47 | UG/L | BQ,BQ1,J | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| NK119B | 10/18/2004 0:00 | 101804NK119BSW001 | Zinc | 1.63 | UG/L | BQ1 | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

# APPENDIX 6-E
# 2004 Surface Water-quality Data Table

## Upper Talarik Creek

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT100A | 5/1/2004 0:00 | 050104UT100ASW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 5/1/2004 0:00 | 050104UT100ASW001 | Alkalinity, Total | 21 | MG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 5/1/2004 0:00 | 050104UT100ASW001 | Aluminum | 216 | UG/L | | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 5/1/2004 0:00 | 050104UT100ASW001 | Aluminum | 32.1 | UG/L | BQ1 | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 5/1/2004 0:00 | 050104UT100ASW001 | Antimony | 0.137 | UG/L | J, BQ1 | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 5/1/2004 0:00 | 050104UT100ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 5/1/2004 0:00 | 050104UT100ASW001 | Arsenic | 0.879 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 5/1/2004 0:00 | 050104UT100ASW001 | Arsenic | 0.618 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 5/1/2004 0:00 | 050104UT100ASW001 | Barium | 5.66 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 5/1/2004 0:00 | 050104UT100ASW001 | Barium | 3.39 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 5/1/2004 0:00 | 050104UT100ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 5/1/2004 0:00 | 050104UT100ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 5/1/2004 0:00 | 050104UT100ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 5/1/2004 0:00 | 050104UT100ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 5/1/2004 0:00 | 050104UT100ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 5/1/2004 0:00 | 050104UT100ASW001 | Boron | 3.91 | UG/L | J | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 5/1/2004 0:00 | 050104UT100ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 5/1/2004 0:00 | 050104UT100ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 5/1/2004 0:00 | 050104UT100ASW001 | Calcium | 5350 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 5/1/2004 0:00 | 050104UT100ASW001 | Calcium | 5230 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 5/1/2004 0:00 | 050104UT100ASW001 | Chloride | 0.801 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 5/1/2004 0:00 | 050104UT100ASW001 | Chromium | 0.186 | UG/L | J | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 5/1/2004 0:00 | 050104UT100ASW001 | Chromium | 0.325 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 5/1/2004 0:00 | 050104UT100ASW001 | Cobalt | 0.121 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 5/1/2004 0:00 | 050104UT100ASW001 | Cobalt | 0.155 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 5/1/2004 0:00 | 050104UT100ASW001 | Copper | 0.462 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 5/1/2004 0:00 | 050104UT100ASW001 | Copper | 0.374 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 5/1/2004 0:00 | 050104UT100ASW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 5/1/2004 0:00 | 050104UT100ASW001 | Cyanide, Weak Acid Dissociable | 0.003 | MG/L | J | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 5/1/2004 0:00 | 050104UT100ASW001 | Fluoride | 0.032 | MG/L | J, BQ | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT100A | 5/1/2004 0:00 | 050104UT100ASW001 | Hardness as CaCO3 | 18 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 5/1/2004 0:00 | 050104UT100ASW001 | Hardness as CaCO3 | 17.5 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 5/1/2004 0:00 | 050104UT100ASW001 | Iron | 421 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 5/1/2004 0:00 | 050104UT100ASW001 | Iron | 136 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 5/1/2004 0:00 | 050104UT100ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 5/1/2004 0:00 | 050104UT100ASW001 | Lead | 0.171 | UG/L | J | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 5/1/2004 0:00 | 050104UT100ASW001 | Magnesium | 1130 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 5/1/2004 0:00 | 050104UT100ASW001 | Magnesium | 1080 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 5/1/2004 0:00 | 050104UT100ASW001 | Manganese | 20.7 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 5/1/2004 0:00 | 050104UT100ASW001 | Manganese | 3.67 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 5/1/2004 0:00 | 050104UT100ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 5/1/2004 0:00 | 050104UT100ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 5/1/2004 0:00 | 050104UT100ASW001 | Nickel | 0.239 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 5/1/2004 0:00 | 050104UT100ASW001 | Nickel | 0.293 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 5/1/2004 0:00 | 050104UT100ASW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 5/1/2004 0:00 | 050104UT100ASW001 | Nitrogen, Nitrate-Nitrite | 0.45 | MG/L | J- | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 5/1/2004 0:00 | 050104UT100ASW001 | pH | 6.8 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 5/1/2004 0:00 | 050104UT100ASW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 5/1/2004 0:00 | 050104UT100ASW001 | Potassium | 376 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 5/1/2004 0:00 | 050104UT100ASW001 | Potassium | 359 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 5/1/2004 0:00 | 050104UT100ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 5/1/2004 0:00 | 050104UT100ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 5/1/2004 0:00 | 050104UT100ASW001 | Silicon | 3520 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 5/1/2004 0:00 | 050104UT100ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 5/1/2004 0:00 | 050104UT100ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 5/1/2004 0:00 | 050104UT100ASW001 | Sodium | 1840 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 5/1/2004 0:00 | 050104UT100ASW001 | Sodium | 1860 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 5/1/2004 0:00 | 050104UT100ASW001 | Specific Conductance | 60 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 5/1/2004 0:00 | 050104UT100ASW001 | Sulfate | 1.74 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 5/1/2004 0:00 | 050104UT100ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT100A | 5/1/2004 0:00 | 050104UT100ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 5/1/2004 0:00 | 050104UT100ASW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 5/1/2004 0:00 | 050104UT100ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 5/1/2004 0:00 | 050104UT100ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 5/1/2004 0:00 | 050104UT100ASW001 | Total Dissolved Solids | 41.3 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 5/1/2004 0:00 | 050104UT100ASW001 | Total Suspended Solids | 4.82 | MG/L | | 0.513 | 0.154 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 5/1/2004 0:00 | 050104UT100ASW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 5/1/2004 0:00 | 050104UT100ASW001 | Vanadium | 0.761 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 5/1/2004 0:00 | 050104UT100ASW001 | Zinc | 0.914 | UG/L | J | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 5/1/2004 0:00 | 050104UT100ASW001 | Zinc | 1.27 | UG/L | J | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 5/20/2004 0:00 | 052004UT100ASW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 5/20/2004 0:00 | 052004UT100ASW001 | Alkalinity, Total | 25 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 5/20/2004 0:00 | 052004UT100ASW001 | Aluminum | 55.4 | UG/L | | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 5/20/2004 0:00 | 052004UT100ASW001 | Aluminum | 19.2 | UG/L | J,BQ | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 5/20/2004 0:00 | 052004UT100ASW001 | Antimony | 0.108 | UG/L | J,BQ1 | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 5/20/2004 0:00 | 052004UT100ASW001 | Antimony | 0.258 | UG/L | BQ1,BQ | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 5/20/2004 0:00 | 052004UT100ASW001 | Arsenic | 0.76 | UG/L | BQ1 | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 5/20/2004 0:00 | 052004UT100ASW001 | Arsenic | 0.573 | UG/L | BQ1 | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 5/20/2004 0:00 | 052004UT100ASW001 | Barium | 3.42 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 5/20/2004 0:00 | 052004UT100ASW001 | Barium | 3.41 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 5/20/2004 0:00 | 052004UT100ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 5/20/2004 0:00 | 052004UT100ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 5/20/2004 0:00 | 052004UT100ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 5/20/2004 0:00 | 052004UT100ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 5/20/2004 0:00 | 052004UT100ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 5/20/2004 0:00 | 052004UT100ASW001 | Boron | 8.29 | UG/L | J,BQ | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 5/20/2004 0:00 | 052004UT100ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 5/20/2004 0:00 | 052004UT100ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 5/20/2004 0:00 | 052004UT100ASW001 | Calcium | 6700 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 5/20/2004 0:00 | 052004UT100ASW001 | Calcium | 5990 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT100A | 5/20/2004 0:00 | 052004UT100ASW001 | Chloride | 0.736 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 5/20/2004 0:00 | 052004UT100ASW001 | Chromium | 0.179 | UG/L | J,BQ1 | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 5/20/2004 0:00 | 052004UT100ASW001 | Chromium | 0.219 | UG/L | BQ1 | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 5/20/2004 0:00 | 052004UT100ASW001 | Cobalt | 0.0689 | UG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 5/20/2004 0:00 | 052004UT100ASW001 | Cobalt | 2.21 | UG/L | J+ | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 5/20/2004 0:00 | 052004UT100ASW001 | Copper | 0.309 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 5/20/2004 0:00 | 052004UT100ASW001 | Copper | 1.14 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 5/20/2004 0:00 | 052004UT100ASW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 5/20/2004 0:00 | 052004UT100ASW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 5/20/2004 0:00 | 052004UT100ASW001 | Fluoride | 0.048 | MG/L | J,BQ | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 5/20/2004 0:00 | 052004UT100ASW001 | Hardness as CaCO3 | 21.9 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 5/20/2004 0:00 | 052004UT100ASW001 | Hardness as CaCO3 | 19.8 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 5/20/2004 0:00 | 052004UT100ASW001 | Iron | 186 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 5/20/2004 0:00 | 052004UT100ASW001 | Iron | 54.1 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 5/20/2004 0:00 | 052004UT100ASW001 | Lead | 0.146 | UG/L | J,BQ1 | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 5/20/2004 0:00 | 052004UT100ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 5/20/2004 0:00 | 052004UT100ASW001 | Magnesium | 1250 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 5/20/2004 0:00 | 052004UT100ASW001 | Magnesium | 1180 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 5/20/2004 0:00 | 052004UT100ASW001 | Manganese | 7.38 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 5/20/2004 0:00 | 052004UT100ASW001 | Manganese | 7.04 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 5/20/2004 0:00 | 052004UT100ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 5/20/2004 0:00 | 052004UT100ASW001 | Molybdenum | 0.358 | UG/L | J | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 5/20/2004 0:00 | 052004UT100ASW001 | Nickel | 0.267 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 5/20/2004 0:00 | 052004UT100ASW001 | Nickel | 0.351 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 5/20/2004 0:00 | 052004UT100ASW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 5/20/2004 0:00 | 052004UT100ASW001 | Nitrogen, Nitrate-Nitrite | 0.091 | MG/L | J- | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 5/20/2004 0:00 | 052004UT100ASW001 | pH | 7.5 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 5/20/2004 0:00 | 052004UT100ASW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 5/20/2004 0:00 | 052004UT100ASW001 | Potassium | 317 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 5/20/2004 0:00 | 052004UT100ASW001 | Potassium | 296 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT100A | 5/20/2004 0:00 | 052004UT100ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 5/20/2004 0:00 | 052004UT100ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 5/20/2004 0:00 | 052004UT100ASW001 | Silicon | 3990 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 5/20/2004 0:00 | 052004UT100ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 5/20/2004 0:00 | 052004UT100ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 5/20/2004 0:00 | 052004UT100ASW001 | Sodium | 2110 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 5/20/2004 0:00 | 052004UT100ASW001 | Sodium | 1970 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 5/20/2004 0:00 | 052004UT100ASW001 | Specific Conductance | 60 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 5/20/2004 0:00 | 052004UT100ASW001 | Sulfate | 2.37 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 5/20/2004 0:00 | 052004UT100ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 5/20/2004 0:00 | 052004UT100ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 5/20/2004 0:00 | 052004UT100ASW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 5/20/2004 0:00 | 052004UT100ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 5/20/2004 0:00 | 052004UT100ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 5/20/2004 0:00 | 052004UT100ASW001 | Total Dissolved Solids | 61.3 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 5/20/2004 0:00 | 052004UT100ASW001 | Total Suspended Solids | 1 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 5/20/2004 0:00 | 052004UT100ASW001 | Vanadium | 0.721 | UG/L | BQ1,BQ | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 5/20/2004 0:00 | 052004UT100ASW001 | Vanadium | 0.382 | UG/L | J,BQ1 | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 5/20/2004 0:00 | 052004UT100ASW001 | Zinc | 0.941 | UG/L | J,BQ1 | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 5/20/2004 0:00 | 052004UT100ASW001 | Zinc | 0.805 | UG/L | J,BQ1 | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | 1,1,1,2-Tetrachloroethane | 0 | UG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | 1,1,1-Trichloroethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | 1,1,2,2-Tetrachloroethane | 0 | UG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | 1,1,2-Trichloroethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | 1,1-Dichloroethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | 1,1-Dichloroethene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | 1,1-Dichloropropene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | 1,2,3-Trichlorobenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | 1,2,3-Trichloropropane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | 1,2,4-Trichlorobenzene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | 1,2,4-Trichlorobenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | 1,2,4-Trimethylbenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | 1,2-Dibromo-3-chloropropane | 0 | UG/L | | 2 | 0.62 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | 1,2-Dibromoethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | 1,2-Dichlorobenzene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | 1,2-Dichlorobenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | 1,2-Dichloroethane | 0 | UG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | 1,2-Dichloropropane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | 1,3,5-Trimethylbenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | 1,3-Dichlorobenzene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | 1,3-Dichlorobenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | 1,3-Dichloropropane | 0 | UG/L | | 0.4 | 0.12 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | 1,4-Dichlorobenzene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | 1,4-Dichlorobenzene | 0 | UG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | 1-Chlorohexane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | 2,2-Dichloropropane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | 2,4,5-Trichlorophenol | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | 2,4,6-Trichlorophenol | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | 2,4-Dichlorophenol | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | 2,4-Dimethylphenol | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | 2,4-Dinitrophenol | 0 | UG/L | | 72 | 22 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | 2,4-Dinitrotoluene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | 2,6-Dinitrotoluene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | 2-Butanone | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | 2-Chloroethyl vinyl ether | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | 2-Chloronaphthalene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | 2-Chlorophenol | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | 2-Chlorotoluene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | 2-Hexanone | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | 2-Methyl-4,6-dinitrophenol | 0 | UG/L | | 52 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | 2-Methylnaphthalene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | 2-Methylphenol (o-Cresol) | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | 2-Nitroaniline | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | 2-Nitrophenol | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | 3,3'-Dichlorobenzidine | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | 3-Methylphenol/4-Methylphenol Coelution | 0 | UG/L | | 21 | 6.4 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | 3-Nitroaniline | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | 4,4'-DDD | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | 4,4'-DDE | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | 4,4'-DDT | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | 4-Bromophenyl phenyl ether | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | 4-Chloro-3-methylphenol | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | 4-Chloroaniline | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | 4-Chlorophenyl phenyl ether | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | 4-Chlorotoluene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | 4-Isopropyltoluene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | 4-Methyl-2-pentanone | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | 4-Nitroaniline | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | 4-Nitrophenol | 0 | UG/L | | 52 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Acenaphthene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Acenaphthylene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Acetone | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Acrylonitrile | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Aldrin | 0 | UG/L | | 0.05 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Alkalinity, Total | 36.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | alpha-BHC | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | alpha-Chlordane | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Aluminum | 0 | UG/L | | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Aluminum | 20.5 | UG/L | BQ,BQ1,J | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Aniline | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Anthracene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Antimony | 0.0918 | UG/L | BQ1,J | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Arsenic | 1.03 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Arsenic | 1.26 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Azobenzene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Barium | 4.84 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Barium | 4.76 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Benzene | 0 | UG/L | | 0.4 | 0.12 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Benzo(a)anthracene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Benzo(a)pyrene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Benzo(b)fluoranthene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Benzo(g,h,i)perylene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Benzo(k)fluoranthene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Benzoic acid | 0 | UG/L | | 52 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Benzyl alcohol | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Benzyl butyl phthalate | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | beta-BHC | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | bis-(2-Chloroethoxy)methane | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | bis-(2-Chloroethyl)ether | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | bis(2-Chloroisopropyl)ether | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | bis-(2-Ethylhexyl)phthalate | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Bromobenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Bromochloromethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Bromodichloromethane | 0 | UG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Bromoform | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Bromomethane | 0 | UG/L | | 3 | 0.94 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Calcium | 9030 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Calcium | 8660 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Carbon disulfide | 0 | UG/L | | 2 | 0.62 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Carbon tetrachloride | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Chloride | 0.855 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Chlorobenzene | 0 | UG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Chloroethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Chloroform | 0 | UG/L | | 1 | 0.3 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Chloromethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Chromium | 0.221 | UG/L | BQ1 | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Chromium | 0.235 | UG/L | BQ1 | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Chrysene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | cis-1,2-Dichloroethene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | cis-1,3-Dichloropropene | 0 | UG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Cobalt | 1.47 | UG/L | BQ1 | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Cobalt | 0.0517 | UG/L | BQ1,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Copper | 0.2 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Copper | 0.32 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | delta-BHC | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Dibenzo(a,h)anthracene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Dibenzofuran | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Dibromochloromethane | 0 | UG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Dibromomethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Dichlorodifluoromethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Dieldrin | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Diethyl phthalate | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Dimethyl phthalate | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Di-n-butyl phthalate | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Di-n-octyl phthalate | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Endosulfan I | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Endosulfan II | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Endosulfan sulfate | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Endrin | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Endrin aldehyde | 0 | UG/L | | 0.05 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Endrin ketone | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Ethylbenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Fluoranthene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Fluorene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Fluoride | 0.037 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | gamma-BHC (Lindane) | 0 | UG/L | | 0.03 | 0.01 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | gamma-Chlordane | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Hardness as CaCO3 | 29.4 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Hardness as CaCO3 | 28.4 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Heptachlor | 0 | UG/L | | 0.1 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Heptachlor epoxide | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Hexachlorobenzene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Hexachlorobutadiene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Hexachlorobutadiene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Hexachlorocyclopentadiene | 0 | UG/L | | 31 | 9.7 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Hexachloroethane | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Indeno(1,2,3-cd)pyrene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Iron | 18.2 | UG/L | BQ1,J | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Iron | 84.6 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Isophorone | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Isopropylbenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Magnesium | 1670 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Magnesium | 1640 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Manganese | 11.2 | UG/L | BQ1 | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Manganese | 12.1 | UG/L | BQ1 | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Methoxychlor | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Methyl iodide | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Methylene chloride | 0 | UG/L | | 5 | 1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Methyl-tert-butyl ether (MTBE) | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Molybdenum | 0.32 | UG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Naphthalene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Naphthalene | 0 | UG/L | | 2 | 0.62 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | n-Butylbenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Nickel | 0.321 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Nickel | 0.316 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Nitrobenzene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Nitrogen, Ammonia (as N) | 0.068 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | n-Nitrosodimethylamine | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | n-Nitrosodi-n-propylamine | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | n-Nitrosodiphenylamine | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | n-Propylbenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | o-Xylene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Pentachlorophenol | 0 | UG/L | | 52 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | pH | 7.65 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Phenanthrene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Phenol | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Potassium | 425 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Potassium | 407 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Pyrene | 0 | UG/L | | 10 | 3.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | sec-Butylbenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Silicon | 5010 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Sodium | 2420 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Sodium | 2450 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Specific Conductance | 90 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Styrene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Sulfate | 3.19 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | tert-Butylbenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Tetrachloroethene (PCE) | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Toluene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Total Dissolved Solids | 51.3 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Total Suspended Solids | 1.49 | MG/L | | 0.571 | 0.171 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Toxaphene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | trans-1,2-Dichloroethene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | trans-1,3-Dichloropropene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | trans-1,4-Dichloro-2-butene | 0 | UG/L | | 2 | 0.62 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Trichloroethene (TCE) | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Trichlorofluoromethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Vanadium | 0.333 | UG/L | J | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Vanadium | 0.272 | UG/L | J | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Vinyl acetate | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Vinyl chloride | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Xylene, Isomers m & p | 0 | UG/L | | 2 | 0.62 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Zinc | 0.885 | UG/L | BQ1,J | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 8/26/2004 0:00 | 082604UT100ASW001 | Zinc | 0.9 | UG/L | BQ1,J | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 9/16/2004 0:00 | 091604UT100ASW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 9/16/2004 0:00 | 091604UT100ASW001 | Alkalinity, Total | 35.8 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 9/16/2004 0:00 | 091604UT100ASW001 | Aluminum | 21.9 | UG/L | BQ1,J | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 9/16/2004 0:00 | 091604UT100ASW001 | Aluminum | 10 | UG/L | BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 9/16/2004 0:00 | 091604UT100ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 9/16/2004 0:00 | 091604UT100ASW001 | Antimony | 0.0859 | UG/L | J | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 9/16/2004 0:00 | 091604UT100ASW001 | Arsenic | 1.23 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 9/16/2004 0:00 | 091604UT100ASW001 | Arsenic | 1.05 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 9/16/2004 0:00 | 091604UT100ASW001 | Barium | 4.43 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 9/16/2004 0:00 | 091604UT100ASW001 | Barium | 4.07 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 9/16/2004 0:00 | 091604UT100ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 9/16/2004 0:00 | 091604UT100ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 9/16/2004 0:00 | 091604UT100ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 9/16/2004 0:00 | 091604UT100ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 9/16/2004 0:00 | 091604UT100ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 9/16/2004 0:00 | 091604UT100ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 9/16/2004 0:00 | 091604UT100ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 9/16/2004 0:00 | 091604UT100ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 9/16/2004 0:00 | 091604UT100ASW001 | Calcium | 9270 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 9/16/2004 0:00 | 091604UT100ASW001 | Calcium | 9070 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |

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Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT100A | 9/16/2004 0:00 | 091604UT100ASW001 | Chloride | 0.995 | MG/L | J- | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 9/16/2004 0:00 | 091604UT100ASW001 | Chromium | 0.273 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 9/16/2004 0:00 | 091604UT100ASW001 | Chromium | 0.323 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 9/16/2004 0:00 | 091604UT100ASW001 | Cobalt | 0.04 | UG/L | BQ1,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 9/16/2004 0:00 | 091604UT100ASW001 | Cobalt | 0.457 | UG/L | J,BQ1 | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 9/16/2004 0:00 | 091604UT100ASW001 | Copper | 0.344 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 9/16/2004 0:00 | 091604UT100ASW001 | Copper | 0.214 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 9/16/2004 0:00 | 091604UT100ASW001 | Cyanide | 0.003 | MG/L | J | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 9/16/2004 0:00 | 091604UT100ASW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 9/16/2004 0:00 | 091604UT100ASW001 | Fluoride | 0 | MG/L | R | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 9/16/2004 0:00 | 091604UT100ASW001 | Hardness as CaCO3 | 30.4 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 9/16/2004 0:00 | 091604UT100ASW001 | Hardness as CaCO3 | 29.8 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 9/16/2004 0:00 | 091604UT100ASW001 | Iron | 68.3 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 9/16/2004 0:00 | 091604UT100ASW001 | Iron | 14.5 | UG/L | J | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 9/16/2004 0:00 | 091604UT100ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 9/16/2004 0:00 | 091604UT100ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 9/16/2004 0:00 | 091604UT100ASW001 | Magnesium | 1760 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 9/16/2004 0:00 | 091604UT100ASW001 | Magnesium | 1740 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 9/16/2004 0:00 | 091604UT100ASW001 | Manganese | 15.4 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 9/16/2004 0:00 | 091604UT100ASW001 | Manganese | 11.3 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 9/16/2004 0:00 | 091604UT100ASW001 | Molybdenum | 0.342 | UG/L | J | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 9/16/2004 0:00 | 091604UT100ASW001 | Molybdenum | 0.343 | UG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 9/16/2004 0:00 | 091604UT100ASW001 | Nickel | 0.308 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 9/16/2004 0:00 | 091604UT100ASW001 | Nickel | 0.456 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 9/16/2004 0:00 | 091604UT100ASW001 | Nitrogen, Ammonia (as N) | 0.061 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 9/16/2004 0:00 | 091604UT100ASW001 | Nitrogen, Nitrate-Nitrite | 0.59 | MG/L | J- | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 9/16/2004 0:00 | 091604UT100ASW001 | pH | 7.18 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 9/16/2004 0:00 | 091604UT100ASW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 9/16/2004 0:00 | 091604UT100ASW001 | Potassium | 388 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 9/16/2004 0:00 | 091604UT100ASW001 | Potassium | 384 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |

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Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT100A | 9/16/2004 0:00 | 091604UT100ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 9/16/2004 0:00 | 091604UT100ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 9/16/2004 0:00 | 091604UT100ASW001 | Silicon | 4930 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 9/16/2004 0:00 | 091604UT100ASW001 | Silver | 0.0955 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 9/16/2004 0:00 | 091604UT100ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 9/16/2004 0:00 | 091604UT100ASW001 | Sodium | 2670 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 9/16/2004 0:00 | 091604UT100ASW001 | Sodium | 2700 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 9/16/2004 0:00 | 091604UT100ASW001 | Specific Conductance | 90 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 9/16/2004 0:00 | 091604UT100ASW001 | Sulfate | 3.65 | MG/L | J- | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 9/16/2004 0:00 | 091604UT100ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 9/16/2004 0:00 | 091604UT100ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 9/16/2004 0:00 | 091604UT100ASW001 | Thiocyanate | 0.2 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 9/16/2004 0:00 | 091604UT100ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 9/16/2004 0:00 | 091604UT100ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 9/16/2004 0:00 | 091604UT100ASW001 | Total Dissolved Solids | 60 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 9/16/2004 0:00 | 091604UT100ASW001 | Total Suspended Solids | 1.9 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 9/16/2004 0:00 | 091604UT100ASW001 | Vanadium | 0.369 | UG/L | J | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 9/16/2004 0:00 | 091604UT100ASW001 | Vanadium | 0.29 | UG/L | J | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 9/16/2004 0:00 | 091604UT100ASW001 | Zinc | 1.07 | UG/L | BQ1,J | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 9/16/2004 0:00 | 091604UT100ASW001 | Zinc | 1.06 | UG/L | BQ1,J | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 10/15/2004 0:00 | 101504UT100ASW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/15/2004 0:00 | 101504UT100ASW001 | Alkalinity, Total | 28 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/15/2004 0:00 | 101504UT100ASW001 | Aluminum | 52.2 | UG/L | BQ1 | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/15/2004 0:00 | 101504UT100ASW001 | Aluminum | 16.4 | UG/L | BQ,BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 10/15/2004 0:00 | 101504UT100ASW001 | Antimony | 0.0818 | UG/L | J | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/15/2004 0:00 | 101504UT100ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 10/15/2004 0:00 | 101504UT100ASW001 | Arsenic | 0.933 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/15/2004 0:00 | 101504UT100ASW001 | Arsenic | 0.857 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 10/15/2004 0:00 | 101504UT100ASW001 | Barium | 4.06 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/15/2004 0:00 | 101504UT100ASW001 | Barium | 3.94 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |

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Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT100A | 10/15/2004 0:00 | 101504UT100ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/15/2004 0:00 | 101504UT100ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 10/15/2004 0:00 | 101504UT100ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/15/2004 0:00 | 101504UT100ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 10/15/2004 0:00 | 101504UT100ASW001 | Boron | 5.1 | UG/L | J | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/15/2004 0:00 | 101504UT100ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 10/15/2004 0:00 | 101504UT100ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/15/2004 0:00 | 101504UT100ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 10/15/2004 0:00 | 101504UT100ASW001 | Calcium | 8030 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/15/2004 0:00 | 101504UT100ASW001 | Calcium | 7000 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 10/15/2004 0:00 | 101504UT100ASW001 | Chloride | 1.05 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/15/2004 0:00 | 101504UT100ASW001 | Chromium | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/15/2004 0:00 | 101504UT100ASW001 | Chromium | 0.228 | UG/L | BQ1 | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 10/15/2004 0:00 | 101504UT100ASW001 | Cobalt | 0.159 | UG/L | BQ1 | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 10/15/2004 0:00 | 101504UT100ASW001 | Cobalt | 0.0451 | UG/L | BQ1,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/15/2004 0:00 | 101504UT100ASW001 | Copper | 0.673 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/15/2004 0:00 | 101504UT100ASW001 | Copper | 0.383 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 10/15/2004 0:00 | 101504UT100ASW001 | Cyanide | 0.0066 | MG/L | BQ | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/15/2004 0:00 | 101504UT100ASW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/15/2004 0:00 | 101504UT100ASW001 | Fluoride | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/15/2004 0:00 | 101504UT100ASW001 | Hardness as CaCO3 | 26.4 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/15/2004 0:00 | 101504UT100ASW001 | Iron | 109 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/15/2004 0:00 | 101504UT100ASW001 | Iron | 58 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 10/15/2004 0:00 | 101504UT100ASW001 | Lead | 0.137 | UG/L | J | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/15/2004 0:00 | 101504UT100ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 10/15/2004 0:00 | 101504UT100ASW001 | Magnesium | 1530 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/15/2004 0:00 | 101504UT100ASW001 | Magnesium | 1390 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 10/15/2004 0:00 | 101504UT100ASW001 | Manganese | 8.09 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/15/2004 0:00 | 101504UT100ASW001 | Manganese | 6.8 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 10/15/2004 0:00 | 101504UT100ASW001 | Molybdenum | 0.342 | UG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT100A | 10/15/2004 0:00 | 101504UT100ASW001 | Molybdenum | 0.335 | UG/L | J | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 10/15/2004 0:00 | 101504UT100ASW001 | Nickel | 0.261 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/15/2004 0:00 | 101504UT100ASW001 | Nickel | 0.265 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 10/15/2004 0:00 | 101504UT100ASW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/15/2004 0:00 | 101504UT100ASW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/15/2004 0:00 | 101504UT100ASW001 | pH | 7.1 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/15/2004 0:00 | 101504UT100ASW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/15/2004 0:00 | 101504UT100ASW001 | Potassium | 361 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/15/2004 0:00 | 101504UT100ASW001 | Potassium | 314 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 10/15/2004 0:00 | 101504UT100ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/15/2004 0:00 | 101504UT100ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 10/15/2004 0:00 | 101504UT100ASW001 | Silicon | 4860 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 10/15/2004 0:00 | 101504UT100ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/15/2004 0:00 | 101504UT100ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 10/15/2004 0:00 | 101504UT100ASW001 | Sodium | 2460 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/15/2004 0:00 | 101504UT100ASW001 | Sodium | 2260 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 10/15/2004 0:00 | 101504UT100ASW001 | Specific Conductance | 75 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/15/2004 0:00 | 101504UT100ASW001 | Sulfate | 3.08 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/15/2004 0:00 | 101504UT100ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/15/2004 0:00 | 101504UT100ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 10/15/2004 0:00 | 101504UT100ASW001 | Thiocyanate | 0.17 | MG/L | | 1 | 0.059 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/15/2004 0:00 | 101504UT100ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/15/2004 0:00 | 101504UT100ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 10/15/2004 0:00 | 101504UT100ASW001 | Total Dissolved Solids | 51.3 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/15/2004 0:00 | 101504UT100ASW001 | Total Suspended Solids | 0.632 | MG/L | | 0.526 | 0.158 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/15/2004 0:00 | 101504UT100ASW001 | Vanadium | 0.411 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/15/2004 0:00 | 101504UT100ASW001 | Vanadium | 0.44 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 10/15/2004 0:00 | 101504UT100ASW001 | Zinc | 3.03 | UG/L | BQ1 | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/15/2004 0:00 | 101504UT100ASW001 | Zinc | 2.62 | UG/L | BQ,BQ1 | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | 1,1,1,2-Tetrachloroethane | 0 | UG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | 1,1,1-Trichloroethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | 1,1,2,2-Tetrachloroethane | 0 | UG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | 1,1,2-Trichloroethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | 1,1-Dichloroethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | 1,1-Dichloroethene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | 1,1-Dichloropropene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | 1,2,3-Trichlorobenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | 1,2,3-Trichloropropane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | 1,2,4-Trichlorobenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | 1,2,4-Trichlorobenzene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | 1,2,4-Trimethylbenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | 1,2-Dibromo-3-chloropropane | 0 | UG/L | | 2 | 0.62 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | 1,2-Dibromoethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | 1,2-Dichlorobenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | 1,2-Dichlorobenzene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | 1,2-Dichloroethane | 0 | UG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | 1,2-Dichloropropane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | 1,3,5-Trimethylbenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | 1,3-Dichlorobenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | 1,3-Dichlorobenzene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | 1,3-Dichloropropane | 0 | UG/L | | 0.4 | 0.12 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | 1,4-Dichlorobenzene | 0 | UG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | 1,4-Dichlorobenzene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | 1-Chlorohexane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | 2,2-Dichloropropane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | 2,4,5-Trichlorophenol | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | 2,4,6-Trichlorophenol | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | 2,4-Dichlorophenol | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | 2,4-Dimethylphenol | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | 2,4-Dinitrophenol | 0 | UG/L | | 70 | 21 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | 2,4-Dinitrotoluene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | 2,6-Dinitrotoluene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | 2-Butanone | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | 2-Chloroethyl vinyl ether | 0 | UG/L | R | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | 2-Chloronaphthalene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | 2-Chlorophenol | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | 2-Chlorotoluene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | 2-Hexanone | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | 2-Methyl-4,6-dinitrophenol | 0 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | 2-Methylnaphthalene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | 2-Methylphenol (o-Cresol) | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | 2-Nitroaniline | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | 2-Nitrophenol | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | 3,3'-Dichlorobenzidine | 0 | UG/L | J | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | 3-Methylphenol/4-Methylphenol Coelution | 0 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | 3-Nitroaniline | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | 4,4'-DDD | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | 4,4'-DDE | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | 4,4'-DDT | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | 4-Bromophenyl phenyl ether | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | 4-Chloro-3-methylphenol | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | 4-Chloroaniline | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | 4-Chlorophenyl phenyl ether | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | 4-Chlorotoluene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | 4-Isopropyltoluene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | 4-Methyl-2-pentanone | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | 4-Nitroaniline | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | 4-Nitrophenol | 0 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | Acenaphthene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | Acenaphthylene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | Acetone | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | Acrylonitrile | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | Aldrin | 0 | UG/L | | 0.05 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | alpha-BHC | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | alpha-Chlordane | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | Aniline | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | Anthracene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | Azobenzene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | Benzene | 0 | UG/L | | 0.4 | 0.12 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | Benzo(a)anthracene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | Benzo(a)pyrene | 0 | UG/L | J | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | Benzo(b)fluoranthene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | Benzo(g,h,i)perylene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | Benzo(k)fluoranthene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | Benzoic acid | 0 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | Benzyl alcohol | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | Benzyl butyl phthalate | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | beta-BHC | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | bis-(2-Chloroethoxy)methane | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | bis-(2-Chloroethyl)ether | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | bis(2-Chloroisopropyl)ether | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | bis-(2-Ethylhexyl)phthalate | 0 | UG/L | J | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | Bromobenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | Bromochloromethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | Bromodichloromethane | 0 | UG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | Bromoform | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | Bromomethane | 0 | UG/L | | 3 | 0.94 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | Carbon disulfide | 0 | UG/L | | 2 | 0.62 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | Carbon tetrachloride | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | Chlorobenzene | 0 | UG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | Chloroethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | Chloroform | 0 | UG/L | | 1 | 0.3 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | Chloromethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | Chrysene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | cis-1,2-Dichloroethene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | cis-1,3-Dichloropropene | 0 | UG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | delta-BHC | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | Dibenzo(a,h)anthracene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | Dibenzofuran | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | Dibromochloromethane | 0 | UG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | Dibromomethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | Dichlorodifluoromethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | Dieldrin | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | Diethyl phthalate | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | Dimethyl phthalate | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | Di-n-butyl phthalate | 0 | UG/L | J | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | Di-n-octyl phthalate | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | Endosulfan I | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | Endosulfan II | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | Endosulfan sulfate | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | Endrin | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | Endrin aldehyde | 0 | UG/L | | 0.05 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | Endrin ketone | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | Ethylbenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | Fluoranthene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | Fluorene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | gamma-BHC (Lindane) | 0 | UG/L | | 0.03 | 0.01 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | gamma-Chlordane | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | Heptachlor | 0 | UG/L | | 0.1 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | Heptachlor epoxide | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |

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Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | Hexachlorobenzene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | Hexachlorobutadiene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | Hexachlorobutadiene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | Hexachlorocyclopentadiene | 0 | UG/L | | 30 | 9.4 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | Hexachloroethane | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | Indeno(1,2,3-cd)pyrene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | Isophorone | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | Isopropylbenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | Methoxychlor | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | Methyl iodide | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | Methylene chloride | 0 | UG/L | | 5 | 1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | Methyl-tert-butyl ether (MTBE) | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | Naphthalene | 0 | UG/L | | 2 | 0.62 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | Naphthalene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | n-Butylbenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | Nitrobenzene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | n-Nitrosodimethylamine | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | n-Nitrosodi-n-propylamine | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | n-Nitrosodiphenylamine | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | n-Propylbenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | o-Xylene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | Pentachlorophenol | 0 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | Phenanthrene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | Phenol | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | Pyrene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | sec-Butylbenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | Styrene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | tert-Butylbenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | Tetrachloroethene (PCE) | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | Toluene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |

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Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | Toxaphene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | trans-1,2-Dichloroethene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | trans-1,3-Dichloropropene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | trans-1,4-Dichloro-2-butene | 0 | UG/L | | 2 | 0.62 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | Trichloroethene (TCE) | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | Trichlorofluoromethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | Vinyl acetate | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | Vinyl chloride | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100A | 10/18/2004 0:00 | 101804UT100ASW001 | Xylene, Isomers m & p | 0 | UG/L | | 2 | 0.62 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 4/30/2004 0:00 | 043004UT100BSW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 4/30/2004 0:00 | 043004UT100BSW001 | Alkalinity, Total | 16 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 4/30/2004 0:00 | 043004UT100BSW001 | Aluminum | 664 | UG/L | | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 4/30/2004 0:00 | 043004UT100BSW001 | Aluminum | 33 | UG/L | BQ1 | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 4/30/2004 0:00 | 043004UT100BSW001 | Antimony | 0 | UG/L | J | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 4/30/2004 0:00 | 043004UT100BSW001 | Antimony | 0.298 | UG/L | J, BQ1 | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 4/30/2004 0:00 | 043004UT100BSW001 | Arsenic | 1.44 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 4/30/2004 0:00 | 043004UT100BSW001 | Arsenic | 0.538 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 4/30/2004 0:00 | 043004UT100BSW001 | Barium | 9.25 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 4/30/2004 0:00 | 043004UT100BSW001 | Barium | 3.01 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 4/30/2004 0:00 | 043004UT100BSW001 | Beryllium | 0.0174 | UG/L | J | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 4/30/2004 0:00 | 043004UT100BSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 4/30/2004 0:00 | 043004UT100BSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 4/30/2004 0:00 | 043004UT100BSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 4/30/2004 0:00 | 043004UT100BSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 4/30/2004 0:00 | 043004UT100BSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 4/30/2004 0:00 | 043004UT100BSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 4/30/2004 0:00 | 043004UT100BSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 4/30/2004 0:00 | 043004UT100BSW001 | Calcium | 4110 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 4/30/2004 0:00 | 043004UT100BSW001 | Calcium | 4220 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 4/30/2004 0:00 | 043004UT100BSW001 | Chloride | 0.714 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |

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Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT100B | 4/30/2004 0:00 | 043004UT100BSW001 | Chromium | 0.73 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 4/30/2004 0:00 | 043004UT100BSW001 | Chromium | 0.262 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 4/30/2004 0:00 | 043004UT100BSW001 | Cobalt | 0.334 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 4/30/2004 0:00 | 043004UT100BSW001 | Cobalt | 0.363 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 4/30/2004 0:00 | 043004UT100BSW001 | Copper | 1.34 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 4/30/2004 0:00 | 043004UT100BSW001 | Copper | 0.971 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 4/30/2004 0:00 | 043004UT100BSW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 4/30/2004 0:00 | 043004UT100BSW001 | Cyanide, Weak Acid Dissociable | 0.003 | MG/L | J | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 4/30/2004 0:00 | 043004UT100BSW001 | Fluoride | 0.034 | MG/L | J, BQ | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 4/30/2004 0:00 | 043004UT100BSW001 | Hardness as CaCO3 | 14.9 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 4/30/2004 0:00 | 043004UT100BSW001 | Hardness as CaCO3 | 14.7 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 4/30/2004 0:00 | 043004UT100BSW001 | Iron | 984 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 4/30/2004 0:00 | 043004UT100BSW001 | Iron | 199 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 4/30/2004 0:00 | 043004UT100BSW001 | Lead | 0.468 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 4/30/2004 0:00 | 043004UT100BSW001 | Lead | 0.204 | UG/L | BQ1 | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 4/30/2004 0:00 | 043004UT100BSW001 | Magnesium | 1140 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 4/30/2004 0:00 | 043004UT100BSW001 | Magnesium | 1020 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 4/30/2004 0:00 | 043004UT100BSW001 | Manganese | 52.1 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 4/30/2004 0:00 | 043004UT100BSW001 | Manganese | 8.73 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 4/30/2004 0:00 | 043004UT100BSW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 4/30/2004 0:00 | 043004UT100BSW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 4/30/2004 0:00 | 043004UT100BSW001 | Nickel | 0.56 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 4/30/2004 0:00 | 043004UT100BSW001 | Nickel | 0.336 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 4/30/2004 0:00 | 043004UT100BSW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 4/30/2004 0:00 | 043004UT100BSW001 | Nitrogen, Nitrate-Nitrite | 0.253 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 4/30/2004 0:00 | 043004UT100BSW001 | pH | 7 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 4/30/2004 0:00 | 043004UT100BSW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 4/30/2004 0:00 | 043004UT100BSW001 | Potassium | 477 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 4/30/2004 0:00 | 043004UT100BSW001 | Potassium | 458 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 4/30/2004 0:00 | 043004UT100BSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT100B | 4/30/2004 0:00 | 043004UT100BSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 4/30/2004 0:00 | 043004UT100BSW001 | Silicon | 2780 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 4/30/2004 0:00 | 043004UT100BSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 4/30/2004 0:00 | 043004UT100BSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 4/30/2004 0:00 | 043004UT100BSW001 | Sodium | 1890 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 4/30/2004 0:00 | 043004UT100BSW001 | Sodium | 1800 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 4/30/2004 0:00 | 043004UT100BSW001 | Specific Conductance | 41 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 4/30/2004 0:00 | 043004UT100BSW001 | Sulfate | 1.31 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 4/30/2004 0:00 | 043004UT100BSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 4/30/2004 0:00 | 043004UT100BSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 4/30/2004 0:00 | 043004UT100BSW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 4/30/2004 0:00 | 043004UT100BSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 4/30/2004 0:00 | 043004UT100BSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 4/30/2004 0:00 | 043004UT100BSW001 | Total Dissolved Solids | 35 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 4/30/2004 0:00 | 043004UT100BSW001 | Total Suspended Solids | 16.5 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 4/30/2004 0:00 | 043004UT100BSW001 | Vanadium | 1.84 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 4/30/2004 0:00 | 043004UT100BSW001 | Vanadium | 0.464 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 4/30/2004 0:00 | 043004UT100BSW001 | Zinc | 4.4 | UG/L | | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 4/30/2004 0:00 | 043004UT100BSW001 | Zinc | 5.6 | UG/L | | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 5/20/2004 0:00 | 052004UT100BSW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 5/20/2004 0:00 | 052004UT100BSW001 | Alkalinity, Total | 25.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 5/20/2004 0:00 | 052004UT100BSW001 | Aluminum | 58.8 | UG/L | BQ | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 5/20/2004 0:00 | 052004UT100BSW001 | Aluminum | 0 | UG/L | | 62.5 | 19.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 5/20/2004 0:00 | 052004UT100BSW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 5/20/2004 0:00 | 052004UT100BSW001 | Antimony | 0 | UG/L | | 0.5 | 0.193 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 5/20/2004 0:00 | 052004UT100BSW001 | Arsenic | 0.88 | UG/L | BQ1 | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 5/20/2004 0:00 | 052004UT100BSW001 | Arsenic | 0.832 | UG/L | J,BQ1 | 1.25 | 0.625 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 5/20/2004 0:00 | 052004UT100BSW001 | Barium | 4.13 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 5/20/2004 0:00 | 052004UT100BSW001 | Barium | 3.96 | UG/L | | 0.75 | 0.235 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 5/20/2004 0:00 | 052004UT100BSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT100B | 5/20/2004 0:00 | 052004UT100BSW001 | Beryllium | 0 | UG/L | | 0.075 | 0.0375 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 5/20/2004 0:00 | 052004UT100BSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 5/20/2004 0:00 | 052004UT100BSW001 | Bismuth | 0 | UG/L | | 12.5 | 3.75 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 5/20/2004 0:00 | 052004UT100BSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 5/20/2004 0:00 | 052004UT100BSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 5/20/2004 0:00 | 052004UT100BSW001 | Cadmium | 0 | UG/L | | 0.25 | 0.0775 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 5/20/2004 0:00 | 052004UT100BSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 5/20/2004 0:00 | 052004UT100BSW001 | Calcium | 6050 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 5/20/2004 0:00 | 052004UT100BSW001 | Calcium | 6490 | UG/L | | 125 | 37.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 5/20/2004 0:00 | 052004UT100BSW001 | Chloride | 0.694 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 5/20/2004 0:00 | 052004UT100BSW001 | Chromium | 0.248 | UG/L | BQ1 | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 5/20/2004 0:00 | 052004UT100BSW001 | Chromium | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 5/20/2004 0:00 | 052004UT100BSW001 | Cobalt | 0.0564 | UG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 5/20/2004 0:00 | 052004UT100BSW001 | Cobalt | 1.99 | UG/L | J+ | 0.25 | 0.0775 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 5/20/2004 0:00 | 052004UT100BSW001 | Copper | 0.396 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 5/20/2004 0:00 | 052004UT100BSW001 | Copper | 0.401 | UG/L | J,BQ1 | 0.5 | 0.155 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 5/20/2004 0:00 | 052004UT100BSW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 5/20/2004 0:00 | 052004UT100BSW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 5/20/2004 0:00 | 052004UT100BSW001 | Fluoride | 0.04 | MG/L | J,BQ | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 5/20/2004 0:00 | 052004UT100BSW001 | Hardness as CaCO3 | 20.6 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 5/20/2004 0:00 | 052004UT100BSW001 | Hardness as CaCO3 | 21.9 | MG/L | | 1.25 | 1.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 5/20/2004 0:00 | 052004UT100BSW001 | Iron | 180 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 5/20/2004 0:00 | 052004UT100BSW001 | Iron | 69.8 | UG/L | | 50 | 15.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 5/20/2004 0:00 | 052004UT100BSW001 | Lead | 0.111 | UG/L | J,BQ1 | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 5/20/2004 0:00 | 052004UT100BSW001 | Lead | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 5/20/2004 0:00 | 052004UT100BSW001 | Magnesium | 1330 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 5/20/2004 0:00 | 052004UT100BSW001 | Magnesium | 1380 | UG/L | | 50 | 15.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 5/20/2004 0:00 | 052004UT100BSW001 | Manganese | 9.37 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 5/20/2004 0:00 | 052004UT100BSW001 | Manganese | 8.8 | UG/L | | 2.5 | 1.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 5/20/2004 0:00 | 052004UT100BSW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT100B | 5/20/2004 0:00 | 052004UT100BSW001 | Molybdenum | 0 | UG/L | | 2.5 | 0.775 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 5/20/2004 0:00 | 052004UT100BSW001 | Nickel | 0.189 | UG/L | J,BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 5/20/2004 0:00 | 052004UT100BSW001 | Nickel | 0.397 | UG/L | J,BQ1 | 0.5 | 0.155 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 5/20/2004 0:00 | 052004UT100BSW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 5/20/2004 0:00 | 052004UT100BSW001 | Nitrogen, Nitrate-Nitrite | 0.046 | MG/L | J- | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 5/20/2004 0:00 | 052004UT100BSW001 | pH | 7.2 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 5/20/2004 0:00 | 052004UT100BSW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 5/20/2004 0:00 | 052004UT100BSW001 | Potassium | 326 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 5/20/2004 0:00 | 052004UT100BSW001 | Potassium | 382 | UG/L | | 125 | 37.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 5/20/2004 0:00 | 052004UT100BSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 5/20/2004 0:00 | 052004UT100BSW001 | Selenium | 0 | UG/L | | 2.5 | 0.775 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 5/20/2004 0:00 | 052004UT100BSW001 | Silicon | 3940 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 5/20/2004 0:00 | 052004UT100BSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 5/20/2004 0:00 | 052004UT100BSW001 | Silver | 0 | UG/L | | 0.05 | 0.0155 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 5/20/2004 0:00 | 052004UT100BSW001 | Sodium | 2090 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 5/20/2004 0:00 | 052004UT100BSW001 | Sodium | 2420 | UG/L | | 250 | 77.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 5/20/2004 0:00 | 052004UT100BSW001 | Specific Conductance | 60 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 5/20/2004 0:00 | 052004UT100BSW001 | Sulfate | 2.37 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 5/20/2004 0:00 | 052004UT100BSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 5/20/2004 0:00 | 052004UT100BSW001 | Thallium | 0 | UG/L | | 0.125 | 0.0625 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 5/20/2004 0:00 | 052004UT100BSW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 5/20/2004 0:00 | 052004UT100BSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 5/20/2004 0:00 | 052004UT100BSW001 | Tin | 0 | UG/L | | 2.5 | 0.775 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 5/20/2004 0:00 | 052004UT100BSW001 | Total Dissolved Solids | 60 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 5/20/2004 0:00 | 052004UT100BSW001 | Total Suspended Solids | 1.03 | MG/L | | 0.513 | 0.154 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 5/20/2004 0:00 | 052004UT100BSW001 | Vanadium | 0.438 | UG/L | BQ1 | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 5/20/2004 0:00 | 052004UT100BSW001 | Vanadium | 0 | UG/L | | 1 | 0.625 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 5/20/2004 0:00 | 052004UT100BSW001 | Zinc | 0.688 | UG/L | J,BQ1 | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 5/20/2004 0:00 | 052004UT100BSW001 | Zinc | 0 | UG/L | | 3.75 | 1.18 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 6/3/2004 0:00 | 060304UT100BSW001 | Alkalinity, Total | 32.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT100B | 6/17/2004 0:00 | 061704UT100BSW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 6/17/2004 0:00 | 061704UT100BSW001 | Alkalinity, Total | 32 | MG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 6/17/2004 0:00 | 061704UT100BSW001 | Aluminum | 35 | UG/L | BQ1 | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 6/17/2004 0:00 | 061704UT100BSW001 | Aluminum | 12 | UG/L | BQ,BQ1 | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 6/17/2004 0:00 | 061704UT100BSW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 6/17/2004 0:00 | 061704UT100BSW001 | Antimony | 2.94 | UG/L | J+ | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 6/17/2004 0:00 | 061704UT100BSW001 | Arsenic | 1.22 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 6/17/2004 0:00 | 061704UT100BSW001 | Arsenic | 0.981 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 6/17/2004 0:00 | 061704UT100BSW001 | Barium | 5.14 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 6/17/2004 0:00 | 061704UT100BSW001 | Barium | 4.63 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 6/17/2004 0:00 | 061704UT100BSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 6/17/2004 0:00 | 061704UT100BSW001 | Beryllium | 0.018 | UG/L | J | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 6/17/2004 0:00 | 061704UT100BSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 6/17/2004 0:00 | 061704UT100BSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 6/17/2004 0:00 | 061704UT100BSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 6/17/2004 0:00 | 061704UT100BSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 6/17/2004 0:00 | 061704UT100BSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 6/17/2004 0:00 | 061704UT100BSW001 | Cadmium | 0.0551 | UG/L | J | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 6/17/2004 0:00 | 061704UT100BSW001 | Calcium | 7390 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 6/17/2004 0:00 | 061704UT100BSW001 | Calcium | 7260 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 6/17/2004 0:00 | 061704UT100BSW001 | Chloride | 0.678 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 6/17/2004 0:00 | 061704UT100BSW001 | Chromium | 0.244 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 6/17/2004 0:00 | 061704UT100BSW001 | Chromium | 1.11 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 6/17/2004 0:00 | 061704UT100BSW001 | Cobalt | 0.0581 | UG/L | BQ1,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 6/17/2004 0:00 | 061704UT100BSW001 | Cobalt | 1.88 | UG/L | BQ1 | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 6/17/2004 0:00 | 061704UT100BSW001 | Copper | 0.527 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 6/17/2004 0:00 | 061704UT100BSW001 | Copper | 0.444 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 6/17/2004 0:00 | 061704UT100BSW001 | Cyanide | 0.0028 | MG/L | J | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 6/17/2004 0:00 | 061704UT100BSW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 6/17/2004 0:00 | 061704UT100BSW001 | Fluoride | 0.124 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT100B | 6/17/2004 0:00 | 061704UT100BSW001 | Hardness as CaCO3 | 24.5 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 6/17/2004 0:00 | 061704UT100BSW001 | Hardness as CaCO3 | 24.1 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 6/17/2004 0:00 | 061704UT100BSW001 | Iron | 157 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 6/17/2004 0:00 | 061704UT100BSW001 | Iron | 85.7 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 6/17/2004 0:00 | 061704UT100BSW001 | Lead | 0.152 | UG/L | J | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 6/17/2004 0:00 | 061704UT100BSW001 | Lead | 0.269 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 6/17/2004 0:00 | 061704UT100BSW001 | Magnesium | 1480 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 6/17/2004 0:00 | 061704UT100BSW001 | Magnesium | 1440 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 6/17/2004 0:00 | 061704UT100BSW001 | Manganese | 16.1 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 6/17/2004 0:00 | 061704UT100BSW001 | Manganese | 16.2 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 6/17/2004 0:00 | 061704UT100BSW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 6/17/2004 0:00 | 061704UT100BSW001 | Molybdenum | 0.35 | UG/L | J | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 6/17/2004 0:00 | 061704UT100BSW001 | Nickel | 0.381 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 6/17/2004 0:00 | 061704UT100BSW001 | Nickel | 0.438 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 6/17/2004 0:00 | 061704UT100BSW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 6/17/2004 0:00 | 061704UT100BSW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | R | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 6/17/2004 0:00 | 061704UT100BSW001 | pH | 7.27 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 6/17/2004 0:00 | 061704UT100BSW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 6/17/2004 0:00 | 061704UT100BSW001 | Potassium | 336 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 6/17/2004 0:00 | 061704UT100BSW001 | Potassium | 333 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 6/17/2004 0:00 | 061704UT100BSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 6/17/2004 0:00 | 061704UT100BSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 6/17/2004 0:00 | 061704UT100BSW001 | Silicon | 4040 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 6/17/2004 0:00 | 061704UT100BSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 6/17/2004 0:00 | 061704UT100BSW001 | Silver | 0.0255 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 6/17/2004 0:00 | 061704UT100BSW001 | Sodium | 2230 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 6/17/2004 0:00 | 061704UT100BSW001 | Sodium | 2180 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 6/17/2004 0:00 | 061704UT100BSW001 | Specific Conductance | 70 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 6/17/2004 0:00 | 061704UT100BSW001 | Sulfate | 2.86 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 6/17/2004 0:00 | 061704UT100BSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT100B | 6/17/2004 0:00 | 061704UT100BSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 6/17/2004 0:00 | 061704UT100BSW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 6/17/2004 0:00 | 061704UT100BSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 6/17/2004 0:00 | 061704UT100BSW001 | Tin | 0.421 | UG/L | J | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 6/17/2004 0:00 | 061704UT100BSW001 | Total Dissolved Solids | 36.3 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 6/17/2004 0:00 | 061704UT100BSW001 | Total Suspended Solids | 1.8 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 6/17/2004 0:00 | 061704UT100BSW001 | Vanadium | 0.45 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 6/17/2004 0:00 | 061704UT100BSW001 | Vanadium | 0.477 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 6/17/2004 0:00 | 061704UT100BSW001 | Zinc | 3.23 | UG/L | | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 6/17/2004 0:00 | 061704UT100BSW001 | Zinc | 3.04 | UG/L | BQ | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 7/15/2004 0:00 | 071504UT100BSW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 7/15/2004 0:00 | 071504UT100BSW001 | Alkalinity, Total | 36 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 7/15/2004 0:00 | 071504UT100BSW001 | Aluminum | 36.8 | UG/L | BQ1 | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 7/15/2004 0:00 | 071504UT100BSW001 | Aluminum | 0 | UG/L | | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 7/15/2004 0:00 | 071504UT100BSW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 7/15/2004 0:00 | 071504UT100BSW001 | Antimony | 0.0888 | UG/L | BQ,BQ1,J | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 7/15/2004 0:00 | 071504UT100BSW001 | Arsenic | 1.53 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 7/15/2004 0:00 | 071504UT100BSW001 | Arsenic | 1.3 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 7/15/2004 0:00 | 071504UT100BSW001 | Barium | 5.45 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 7/15/2004 0:00 | 071504UT100BSW001 | Barium | 5.28 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 7/15/2004 0:00 | 071504UT100BSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 7/15/2004 0:00 | 071504UT100BSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 7/15/2004 0:00 | 071504UT100BSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 7/15/2004 0:00 | 071504UT100BSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 7/15/2004 0:00 | 071504UT100BSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 7/15/2004 0:00 | 071504UT100BSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 7/15/2004 0:00 | 071504UT100BSW001 | Cadmium | 0.0911 | UG/L | BQ1,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 7/15/2004 0:00 | 071504UT100BSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 7/15/2004 0:00 | 071504UT100BSW001 | Calcium | 9410 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 7/15/2004 0:00 | 071504UT100BSW001 | Calcium | 9150 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |

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Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT100B | 7/15/2004 0:00 | 071504UT100BSW001 | Chloride | 0.705 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 7/15/2004 0:00 | 071504UT100BSW001 | Chromium | 0.307 | UG/L | BQ1 | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 7/15/2004 0:00 | 071504UT100BSW001 | Chromium | 0.172 | UG/L | BQ1,J | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 7/15/2004 0:00 | 071504UT100BSW001 | Cobalt | 0.0428 | UG/L | BQ1,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 7/15/2004 0:00 | 071504UT100BSW001 | Cobalt | 0.486 | UG/L | BQ1,J | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 7/15/2004 0:00 | 071504UT100BSW001 | Copper | 0.284 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 7/15/2004 0:00 | 071504UT100BSW001 | Copper | 0.252 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 7/15/2004 0:00 | 071504UT100BSW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 7/15/2004 0:00 | 071504UT100BSW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 7/15/2004 0:00 | 071504UT100BSW001 | Fluoride | 0.063 | MG/L | BQ,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 7/15/2004 0:00 | 071504UT100BSW001 | Hardness as CaCO3 | 31 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 7/15/2004 0:00 | 071504UT100BSW001 | Hardness as CaCO3 | 30.9 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 7/15/2004 0:00 | 071504UT100BSW001 | Iron | 127 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 7/15/2004 0:00 | 071504UT100BSW001 | Iron | 51.9 | UG/L | BQ1 | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 7/15/2004 0:00 | 071504UT100BSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 7/15/2004 0:00 | 071504UT100BSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 7/15/2004 0:00 | 071504UT100BSW001 | Magnesium | 1820 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 7/15/2004 0:00 | 071504UT100BSW001 | Magnesium | 1960 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 7/15/2004 0:00 | 071504UT100BSW001 | Manganese | 23.6 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 7/15/2004 0:00 | 071504UT100BSW001 | Manganese | 19.3 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 7/15/2004 0:00 | 071504UT100BSW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 7/15/2004 0:00 | 071504UT100BSW001 | Molybdenum | 0.398 | UG/L | J | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 7/15/2004 0:00 | 071504UT100BSW001 | Nickel | 0.378 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 7/15/2004 0:00 | 071504UT100BSW001 | Nickel | 0.511 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 7/15/2004 0:00 | 071504UT100BSW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 7/15/2004 0:00 | 071504UT100BSW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | | 2 | 0.62 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 7/15/2004 0:00 | 071504UT100BSW001 | pH | 7.36 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 7/15/2004 0:00 | 071504UT100BSW001 | Phosphorus, Total (as P) | 0.0326 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 7/15/2004 0:00 | 071504UT100BSW001 | Potassium | 430 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 7/15/2004 0:00 | 071504UT100BSW001 | Potassium | 449 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |

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Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT100B | 7/15/2004 0:00 | 071504UT100BSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 7/15/2004 0:00 | 071504UT100BSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 7/15/2004 0:00 | 071504UT100BSW001 | Silicon | 4780 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 7/15/2004 0:00 | 071504UT100BSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 7/15/2004 0:00 | 071504UT100BSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 7/15/2004 0:00 | 071504UT100BSW001 | Sodium | 2660 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 7/15/2004 0:00 | 071504UT100BSW001 | Sodium | 2810 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 7/15/2004 0:00 | 071504UT100BSW001 | Specific Conductance | 82 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 7/15/2004 0:00 | 071504UT100BSW001 | Sulfate | 3.11 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 7/15/2004 0:00 | 071504UT100BSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 7/15/2004 0:00 | 071504UT100BSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 7/15/2004 0:00 | 071504UT100BSW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 7/15/2004 0:00 | 071504UT100BSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 7/15/2004 0:00 | 071504UT100BSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 7/15/2004 0:00 | 071504UT100BSW001 | Total Dissolved Solids | 51.3 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 7/15/2004 0:00 | 071504UT100BSW001 | Total Suspended Solids | 1.9 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 7/15/2004 0:00 | 071504UT100BSW001 | Vanadium | 0.533 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 7/15/2004 0:00 | 071504UT100BSW001 | Vanadium | 0.532 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 7/15/2004 0:00 | 071504UT100BSW001 | Zinc | 0.793 | UG/L | BQ1,J | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 7/15/2004 0:00 | 071504UT100BSW001 | Zinc | 1.69 | UG/L | BQ1 | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 8/15/2004 0:00 | 081504UT100BSW001 | Alkalinity, Total | 36.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 8/26/2004 0:00 | 082604UT100BSW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 8/26/2004 0:00 | 082604UT100BSW001 | Alkalinity, Total | 36.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 8/26/2004 0:00 | 082604UT100BSW001 | Aluminum | 17 | UG/L | BQ,BQ1,J | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 8/26/2004 0:00 | 082604UT100BSW001 | Aluminum | 12.6 | UG/L | BQ,BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 8/26/2004 0:00 | 082604UT100BSW001 | Antimony | 0.152 | UG/L | BQ1,J | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 8/26/2004 0:00 | 082604UT100BSW001 | Antimony | 0.109 | UG/L | BQ1,J | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 8/26/2004 0:00 | 082604UT100BSW001 | Arsenic | 1.47 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 8/26/2004 0:00 | 082604UT100BSW001 | Arsenic | 1.34 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 8/26/2004 0:00 | 082604UT100BSW001 | Barium | 5.03 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT100B | 8/26/2004 0:00 | 082604UT100BSW001 | Barium | 4.79 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 8/26/2004 0:00 | 082604UT100BSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 8/26/2004 0:00 | 082604UT100BSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 8/26/2004 0:00 | 082604UT100BSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 8/26/2004 0:00 | 082604UT100BSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 8/26/2004 0:00 | 082604UT100BSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 8/26/2004 0:00 | 082604UT100BSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 8/26/2004 0:00 | 082604UT100BSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 8/26/2004 0:00 | 082604UT100BSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 8/26/2004 0:00 | 082604UT100BSW001 | Calcium | 9090 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 8/26/2004 0:00 | 082604UT100BSW001 | Calcium | 9310 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 8/26/2004 0:00 | 082604UT100BSW001 | Chloride | 0.834 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 8/26/2004 0:00 | 082604UT100BSW001 | Chromium | 0.284 | UG/L | BQ1 | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 8/26/2004 0:00 | 082604UT100BSW001 | Chromium | 0.267 | UG/L | BQ1 | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 8/26/2004 0:00 | 082604UT100BSW001 | Cobalt | 0.0679 | UG/L | BQ1,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 8/26/2004 0:00 | 082604UT100BSW001 | Cobalt | 2.61 | UG/L | BQ1 | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 8/26/2004 0:00 | 082604UT100BSW001 | Copper | 0.296 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 8/26/2004 0:00 | 082604UT100BSW001 | Copper | 0.222 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 8/26/2004 0:00 | 082604UT100BSW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 8/26/2004 0:00 | 082604UT100BSW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 8/26/2004 0:00 | 082604UT100BSW001 | Fluoride | 0.037 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 8/26/2004 0:00 | 082604UT100BSW001 | Hardness as CaCO3 | 29.7 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 8/26/2004 0:00 | 082604UT100BSW001 | Hardness as CaCO3 | 30.5 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 8/26/2004 0:00 | 082604UT100BSW001 | Iron | 102 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 8/26/2004 0:00 | 082604UT100BSW001 | Iron | 43.8 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 8/26/2004 0:00 | 082604UT100BSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 8/26/2004 0:00 | 082604UT100BSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 8/26/2004 0:00 | 082604UT100BSW001 | Magnesium | 1690 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 8/26/2004 0:00 | 082604UT100BSW001 | Magnesium | 1760 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 8/26/2004 0:00 | 082604UT100BSW001 | Manganese | 25.4 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |

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Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT100B | 8/26/2004 0:00 | 082604UT100BSW001 | Manganese | 27.5 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 8/26/2004 0:00 | 082604UT100BSW001 | Molybdenum | 0.32 | UG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 8/26/2004 0:00 | 082604UT100BSW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 8/26/2004 0:00 | 082604UT100BSW001 | Nickel | 0.352 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 8/26/2004 0:00 | 082604UT100BSW001 | Nickel | 0.453 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 8/26/2004 0:00 | 082604UT100BSW001 | Nitrogen, Ammonia (as N) | 0.072 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 8/26/2004 0:00 | 082604UT100BSW001 | Nitrogen, Nitrate-Nitrite | 1.73 | MG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 8/26/2004 0:00 | 082604UT100BSW001 | pH | 7.68 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 8/26/2004 0:00 | 082604UT100BSW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 8/26/2004 0:00 | 082604UT100BSW001 | Potassium | 443 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 8/26/2004 0:00 | 082604UT100BSW001 | Potassium | 460 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 8/26/2004 0:00 | 082604UT100BSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 8/26/2004 0:00 | 082604UT100BSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 8/26/2004 0:00 | 082604UT100BSW001 | Silicon | 5390 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 8/26/2004 0:00 | 082604UT100BSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 8/26/2004 0:00 | 082604UT100BSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 8/26/2004 0:00 | 082604UT100BSW001 | Sodium | 2470 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 8/26/2004 0:00 | 082604UT100BSW001 | Sodium | 2500 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 8/26/2004 0:00 | 082604UT100BSW001 | Specific Conductance | 80 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 8/26/2004 0:00 | 082604UT100BSW001 | Sulfate | 3.07 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 8/26/2004 0:00 | 082604UT100BSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 8/26/2004 0:00 | 082604UT100BSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 8/26/2004 0:00 | 082604UT100BSW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 8/26/2004 0:00 | 082604UT100BSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 8/26/2004 0:00 | 082604UT100BSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 8/26/2004 0:00 | 082604UT100BSW001 | Total Dissolved Solids | 56.3 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 8/26/2004 0:00 | 082604UT100BSW001 | Total Suspended Solids | 0.3 | MG/L | J | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 8/26/2004 0:00 | 082604UT100BSW001 | Vanadium | 0.341 | UG/L | J | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 8/26/2004 0:00 | 082604UT100BSW001 | Vanadium | 0.422 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 8/26/2004 0:00 | 082604UT100BSW001 | Zinc | 1.14 | UG/L | BQ1,J | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |

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Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT100B | 8/26/2004 0:00 | 082604UT100BSW001 | Zinc | 0.929 | UG/L | BQ1,J | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 9/16/2004 0:00 | 091604UT100BSW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 9/16/2004 0:00 | 091604UT100BSW001 | Alkalinity, Total | 37.3 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 9/16/2004 0:00 | 091604UT100BSW001 | Aluminum | 27.9 | UG/L | BQ1 | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 9/16/2004 0:00 | 091604UT100BSW001 | Aluminum | 13.3 | UG/L | BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 9/16/2004 0:00 | 091604UT100BSW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 9/16/2004 0:00 | 091604UT100BSW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 9/16/2004 0:00 | 091604UT100BSW001 | Arsenic | 1.4 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 9/16/2004 0:00 | 091604UT100BSW001 | Arsenic | 1.26 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 9/16/2004 0:00 | 091604UT100BSW001 | Barium | 4.81 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 9/16/2004 0:00 | 091604UT100BSW001 | Barium | 4.15 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 9/16/2004 0:00 | 091604UT100BSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 9/16/2004 0:00 | 091604UT100BSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 9/16/2004 0:00 | 091604UT100BSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 9/16/2004 0:00 | 091604UT100BSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 9/16/2004 0:00 | 091604UT100BSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 9/16/2004 0:00 | 091604UT100BSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 9/16/2004 0:00 | 091604UT100BSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 9/16/2004 0:00 | 091604UT100BSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 9/16/2004 0:00 | 091604UT100BSW001 | Calcium | 9240 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 9/16/2004 0:00 | 091604UT100BSW001 | Calcium | 8830 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 9/16/2004 0:00 | 091604UT100BSW001 | Chloride | 0.895 | MG/L | J- | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 9/16/2004 0:00 | 091604UT100BSW001 | Chromium | 0.252 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 9/16/2004 0:00 | 091604UT100BSW001 | Chromium | 0.281 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 9/16/2004 0:00 | 091604UT100BSW001 | Cobalt | 0.0581 | UG/L | BQ1,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 9/16/2004 0:00 | 091604UT100BSW001 | Cobalt | 0.451 | UG/L | J,BQ1 | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 9/16/2004 0:00 | 091604UT100BSW001 | Copper | 0.227 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 9/16/2004 0:00 | 091604UT100BSW001 | Copper | 0.28 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 9/16/2004 0:00 | 091604UT100BSW001 | Cyanide | 0.004 | MG/L | J | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 9/16/2004 0:00 | 091604UT100BSW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |

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Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT100B | 9/16/2004 0:00 | 091604UT100BSW001 | Fluoride | 0.031 | MG/L | J- | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 9/16/2004 0:00 | 091604UT100BSW001 | Hardness as CaCO3 | 30.7 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 9/16/2004 0:00 | 091604UT100BSW001 | Hardness as CaCO3 | 29.6 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 9/16/2004 0:00 | 091604UT100BSW001 | Iron | 114 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 9/16/2004 0:00 | 091604UT100BSW001 | Iron | 41 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 9/16/2004 0:00 | 091604UT100BSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 9/16/2004 0:00 | 091604UT100BSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 9/16/2004 0:00 | 091604UT100BSW001 | Magnesium | 1860 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 9/16/2004 0:00 | 091604UT100BSW001 | Magnesium | 1830 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 9/16/2004 0:00 | 091604UT100BSW001 | Manganese | 31.1 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 9/16/2004 0:00 | 091604UT100BSW001 | Manganese | 27.1 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 9/16/2004 0:00 | 091604UT100BSW001 | Molybdenum | 0.341 | UG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 9/16/2004 0:00 | 091604UT100BSW001 | Molybdenum | 0.336 | UG/L | J | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 9/16/2004 0:00 | 091604UT100BSW001 | Nickel | 0.354 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 9/16/2004 0:00 | 091604UT100BSW001 | Nickel | 0.509 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 9/16/2004 0:00 | 091604UT100BSW001 | Nitrogen, Ammonia (as N) | 0.042 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 9/16/2004 0:00 | 091604UT100BSW001 | Nitrogen, Nitrate-Nitrite | 0.56 | MG/L | J- | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 9/16/2004 0:00 | 091604UT100BSW001 | pH | 7.03 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 9/16/2004 0:00 | 091604UT100BSW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 9/16/2004 0:00 | 091604UT100BSW001 | Potassium | 422 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 9/16/2004 0:00 | 091604UT100BSW001 | Potassium | 409 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 9/16/2004 0:00 | 091604UT100BSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 9/16/2004 0:00 | 091604UT100BSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 9/16/2004 0:00 | 091604UT100BSW001 | Silicon | 4890 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 9/16/2004 0:00 | 091604UT100BSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 9/16/2004 0:00 | 091604UT100BSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 9/16/2004 0:00 | 091604UT100BSW001 | Sodium | 2720 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 9/16/2004 0:00 | 091604UT100BSW001 | Sodium | 2730 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 9/16/2004 0:00 | 091604UT100BSW001 | Specific Conductance | 90 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 9/16/2004 0:00 | 091604UT100BSW001 | Sulfate | 3.36 | MG/L | J- | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |

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Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT100B | 9/16/2004 0:00 | 091604UT100BSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 9/16/2004 0:00 | 091604UT100BSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 9/16/2004 0:00 | 091604UT100BSW001 | Thiocyanate | 0.2 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 9/16/2004 0:00 | 091604UT100BSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 9/16/2004 0:00 | 091604UT100BSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 9/16/2004 0:00 | 091604UT100BSW001 | Total Dissolved Solids | 55 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 9/16/2004 0:00 | 091604UT100BSW001 | Total Suspended Solids | 1.6 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 9/16/2004 0:00 | 091604UT100BSW001 | Vanadium | 0.511 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 9/16/2004 0:00 | 091604UT100BSW001 | Vanadium | 0.354 | UG/L | J | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 9/16/2004 0:00 | 091604UT100BSW001 | Zinc | 1.21 | UG/L | BQ1,J | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 9/16/2004 0:00 | 091604UT100BSW001 | Zinc | 1.07 | UG/L | BQ1,J | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 10/14/2004 0:00 | 101404UT100BSW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 10/14/2004 0:00 | 101404UT100BSW001 | Alkalinity, Total | 29 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 10/14/2004 0:00 | 101404UT100BSW001 | Aluminum | 30.4 | UG/L | BQ1 | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 10/14/2004 0:00 | 101404UT100BSW001 | Aluminum | 18.4 | UG/L | BQ,BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 10/14/2004 0:00 | 101404UT100BSW001 | Antimony | 0.0913 | UG/L | J | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 10/14/2004 0:00 | 101404UT100BSW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 10/14/2004 0:00 | 101404UT100BSW001 | Arsenic | 1.2 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 10/14/2004 0:00 | 101404UT100BSW001 | Arsenic | 0.956 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 10/14/2004 0:00 | 101404UT100BSW001 | Barium | 4.31 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 10/14/2004 0:00 | 101404UT100BSW001 | Barium | 3.86 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 10/14/2004 0:00 | 101404UT100BSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 10/14/2004 0:00 | 101404UT100BSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 10/14/2004 0:00 | 101404UT100BSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 10/14/2004 0:00 | 101404UT100BSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 10/14/2004 0:00 | 101404UT100BSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 10/14/2004 0:00 | 101404UT100BSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 10/14/2004 0:00 | 101404UT100BSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 10/14/2004 0:00 | 101404UT100BSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 10/14/2004 0:00 | 101404UT100BSW001 | Calcium | 7800 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT100B | 10/14/2004 0:00 | 101404UT100BSW001 | Calcium | 6670 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 10/14/2004 0:00 | 101404UT100BSW001 | Chromium | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 10/14/2004 0:00 | 101404UT100BSW001 | Chromium | 0.238 | UG/L | BQ1 | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 10/14/2004 0:00 | 101404UT100BSW001 | Cobalt | 0.0485 | UG/L | BQ1,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 10/14/2004 0:00 | 101404UT100BSW001 | Cobalt | 0.776 | UG/L | BQ1 | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 10/14/2004 0:00 | 101404UT100BSW001 | Copper | 0.398 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 10/14/2004 0:00 | 101404UT100BSW001 | Copper | 0.432 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 10/14/2004 0:00 | 101404UT100BSW001 | Cyanide | 0.005 | MG/L | BQ | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 10/14/2004 0:00 | 101404UT100BSW001 | Cyanide, Weak Acid Dissociable | 0.0036 | MG/L | BQ,J | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 10/14/2004 0:00 | 101404UT100BSW001 | Hardness as CaCO3 | 26.4 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 10/14/2004 0:00 | 101404UT100BSW001 | Iron | 149 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 10/14/2004 0:00 | 101404UT100BSW001 | Iron | 85.8 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 10/14/2004 0:00 | 101404UT100BSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 10/14/2004 0:00 | 101404UT100BSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 10/14/2004 0:00 | 101404UT100BSW001 | Magnesium | 1680 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 10/14/2004 0:00 | 101404UT100BSW001 | Magnesium | 1490 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 10/14/2004 0:00 | 101404UT100BSW001 | Manganese | 13.3 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 10/14/2004 0:00 | 101404UT100BSW001 | Manganese | 13 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 10/14/2004 0:00 | 101404UT100BSW001 | Molybdenum | 0.32 | UG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 10/14/2004 0:00 | 101404UT100BSW001 | Molybdenum | 0.334 | UG/L | J | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 10/14/2004 0:00 | 101404UT100BSW001 | Nickel | 0.295 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 10/14/2004 0:00 | 101404UT100BSW001 | Nickel | 0.515 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 10/14/2004 0:00 | 101404UT100BSW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 10/14/2004 0:00 | 101404UT100BSW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 10/14/2004 0:00 | 101404UT100BSW001 | pH | 7.1 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 10/14/2004 0:00 | 101404UT100BSW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 10/14/2004 0:00 | 101404UT100BSW001 | Potassium | 384 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 10/14/2004 0:00 | 101404UT100BSW001 | Potassium | 344 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 10/14/2004 0:00 | 101404UT100BSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 10/14/2004 0:00 | 101404UT100BSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT100B | 10/14/2004 0:00 | 101404UT100BSW001 | Silicon | 4880 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 10/14/2004 0:00 | 101404UT100BSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 10/14/2004 0:00 | 101404UT100BSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 10/14/2004 0:00 | 101404UT100BSW001 | Sodium | 2390 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 10/14/2004 0:00 | 101404UT100BSW001 | Sodium | 2560 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 10/14/2004 0:00 | 101404UT100BSW001 | Specific Conductance | 80 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 10/14/2004 0:00 | 101404UT100BSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 10/14/2004 0:00 | 101404UT100BSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 10/14/2004 0:00 | 101404UT100BSW001 | Thiocyanate | 0 | MG/L | | 1 | 0.059 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 10/14/2004 0:00 | 101404UT100BSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 10/14/2004 0:00 | 101404UT100BSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 10/14/2004 0:00 | 101404UT100BSW001 | Total Dissolved Solids | 42.5 | MG/L | BQ | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 10/14/2004 0:00 | 101404UT100BSW001 | Total Suspended Solids | 0.5 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 10/14/2004 0:00 | 101404UT100BSW001 | Vanadium | 0.372 | UG/L | J | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 10/14/2004 0:00 | 101404UT100BSW001 | Vanadium | 0.375 | UG/L | J | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 10/14/2004 0:00 | 101404UT100BSW001 | Zinc | 1.91 | UG/L | BQ1 | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100B | 10/14/2004 0:00 | 101404UT100BSW001 | Zinc | 1.33 | UG/L | BQ1,J | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 10/15/2004 0:00 | 101504UT100BSW001 | Chloride | 1.09 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 10/15/2004 0:00 | 101504UT100BSW001 | Fluoride | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100B | 10/15/2004 0:00 | 101504UT100BSW001 | Sulfate | 3.03 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100C | 5/2/2004 0:00 | 050204UT100CSW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100C | 5/2/2004 0:00 | 050204UT100CSW001 | Alkalinity, Total | 21.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100C | 5/2/2004 0:00 | 050204UT100CSW001 | Aluminum | 245 | UG/L | | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100C | 5/2/2004 0:00 | 050204UT100CSW001 | Aluminum | 28.9 | UG/L | BQ1 | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100C | 5/2/2004 0:00 | 050204UT100CSW001 | Antimony | 0.127 | UG/L | J, BQ | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100C | 5/2/2004 0:00 | 050204UT100CSW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100C | 5/2/2004 0:00 | 050204UT100CSW001 | Arsenic | 0.833 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100C | 5/2/2004 0:00 | 050204UT100CSW001 | Arsenic | 0.666 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100C | 5/2/2004 0:00 | 050204UT100CSW001 | Barium | 7.04 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100C | 5/2/2004 0:00 | 050204UT100CSW001 | Barium | 3.56 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT100C | 5/2/2004 0:00 | 050204UT100CSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100C | 5/2/2004 0:00 | 050204UT100CSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100C | 5/2/2004 0:00 | 050204UT100CSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100C | 5/2/2004 0:00 | 050204UT100CSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100C | 5/2/2004 0:00 | 050204UT100CSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100C | 5/2/2004 0:00 | 050204UT100CSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100C | 5/2/2004 0:00 | 050204UT100CSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100C | 5/2/2004 0:00 | 050204UT100CSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100C | 5/2/2004 0:00 | 050204UT100CSW001 | Calcium | 5630 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100C | 5/2/2004 0:00 | 050204UT100CSW001 | Calcium | 5330 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100C | 5/2/2004 0:00 | 050204UT100CSW001 | Chloride | 0.712 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100C | 5/2/2004 0:00 | 050204UT100CSW001 | Chromium | 0.393 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100C | 5/2/2004 0:00 | 050204UT100CSW001 | Chromium | 0.178 | UG/L | J | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100C | 5/2/2004 0:00 | 050204UT100CSW001 | Cobalt | 0.169 | UG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100C | 5/2/2004 0:00 | 050204UT100CSW001 | Cobalt | 0.42 | UG/L | J | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100C | 5/2/2004 0:00 | 050204UT100CSW001 | Copper | 0.876 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100C | 5/2/2004 0:00 | 050204UT100CSW001 | Copper | 0.58 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100C | 5/2/2004 0:00 | 050204UT100CSW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100C | 5/2/2004 0:00 | 050204UT100CSW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100C | 5/2/2004 0:00 | 050204UT100CSW001 | Fluoride | 0.031 | MG/L | J, BQ | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100C | 5/2/2004 0:00 | 050204UT100CSW001 | Hardness as CaCO3 | 19.6 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100C | 5/2/2004 0:00 | 050204UT100CSW001 | Hardness as CaCO3 | 18.6 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100C | 5/2/2004 0:00 | 050204UT100CSW001 | Iron | 627 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100C | 5/2/2004 0:00 | 050204UT100CSW001 | Iron | 237 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100C | 5/2/2004 0:00 | 050204UT100CSW001 | Lead | 0.19 | UG/L | J | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100C | 5/2/2004 0:00 | 050204UT100CSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100C | 5/2/2004 0:00 | 050204UT100CSW001 | Magnesium | 1360 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100C | 5/2/2004 0:00 | 050204UT100CSW001 | Magnesium | 1300 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100C | 5/2/2004 0:00 | 050204UT100CSW001 | Manganese | 33.6 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100C | 5/2/2004 0:00 | 050204UT100CSW001 | Manganese | 10.7 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |

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Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT100C | 5/2/2004 0:00 | 050204UT100CSW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100C | 5/2/2004 0:00 | 050204UT100CSW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100C | 5/2/2004 0:00 | 050204UT100CSW001 | Nickel | 0.394 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100C | 5/2/2004 0:00 | 050204UT100CSW001 | Nickel | 0.285 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100C | 5/2/2004 0:00 | 050204UT100CSW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100C | 5/2/2004 0:00 | 050204UT100CSW001 | Nitrogen, Nitrate-Nitrite | 0.308 | MG/L | J- | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100C | 5/2/2004 0:00 | 050204UT100CSW001 | pH | 7 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100C | 5/2/2004 0:00 | 050204UT100CSW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100C | 5/2/2004 0:00 | 050204UT100CSW001 | Potassium | 436 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100C | 5/2/2004 0:00 | 050204UT100CSW001 | Potassium | 409 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100C | 5/2/2004 0:00 | 050204UT100CSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100C | 5/2/2004 0:00 | 050204UT100CSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100C | 5/2/2004 0:00 | 050204UT100CSW001 | Silicon | 3400 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100C | 5/2/2004 0:00 | 050204UT100CSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100C | 5/2/2004 0:00 | 050204UT100CSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100C | 5/2/2004 0:00 | 050204UT100CSW001 | Sodium | 1980 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100C | 5/2/2004 0:00 | 050204UT100CSW001 | Sodium | 2080 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100C | 5/2/2004 0:00 | 050204UT100CSW001 | Specific Conductance | 70 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100C | 5/2/2004 0:00 | 050204UT100CSW001 | Sulfate | 1.48 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100C | 5/2/2004 0:00 | 050204UT100CSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100C | 5/2/2004 0:00 | 050204UT100CSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100C | 5/2/2004 0:00 | 050204UT100CSW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100C | 5/2/2004 0:00 | 050204UT100CSW001 | Tin | 0.782 | UG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100C | 5/2/2004 0:00 | 050204UT100CSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100C | 5/2/2004 0:00 | 050204UT100CSW001 | Total Dissolved Solids | 27.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100C | 5/2/2004 0:00 | 050204UT100CSW001 | Total Suspended Solids | 6.7 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100C | 5/2/2004 0:00 | 050204UT100CSW001 | Vanadium | 0.9 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100C | 5/2/2004 0:00 | 050204UT100CSW001 | Vanadium | 0.47 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100C | 5/2/2004 0:00 | 050204UT100CSW001 | Zinc | 2.23 | UG/L | | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100C | 5/2/2004 0:00 | 050204UT100CSW001 | Zinc | 2.13 | UG/L | | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT100C | 5/20/2004 0:00 | 052004UT100CSW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100C | 5/20/2004 0:00 | 052004UT100CSW001 | Alkalinity, Total | 26 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100C | 5/20/2004 0:00 | 052004UT100CSW001 | Aluminum | 52.4 | UG/L | BQ | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100C | 5/20/2004 0:00 | 052004UT100CSW001 | Aluminum | 0 | UG/L | | 62.5 | 19.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100C | 5/20/2004 0:00 | 052004UT100CSW001 | Antimony | 0.153 | UG/L | J,BQ1,BQ | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100C | 5/20/2004 0:00 | 052004UT100CSW001 | Antimony | 0.197 | UG/L | J,BQ1 | 0.5 | 0.193 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100C | 5/20/2004 0:00 | 052004UT100CSW001 | Arsenic | 0.897 | UG/L | BQ1 | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100C | 5/20/2004 0:00 | 052004UT100CSW001 | Arsenic | 0.716 | UG/L | J,BQ1 | 1.25 | 0.625 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100C | 5/20/2004 0:00 | 052004UT100CSW001 | Barium | 4.35 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100C | 5/20/2004 0:00 | 052004UT100CSW001 | Barium | 4.04 | UG/L | | 0.75 | 0.235 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100C | 5/20/2004 0:00 | 052004UT100CSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100C | 5/20/2004 0:00 | 052004UT100CSW001 | Beryllium | 0 | UG/L | | 0.075 | 0.0375 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100C | 5/20/2004 0:00 | 052004UT100CSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100C | 5/20/2004 0:00 | 052004UT100CSW001 | Bismuth | 0 | UG/L | | 12.5 | 3.75 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100C | 5/20/2004 0:00 | 052004UT100CSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100C | 5/20/2004 0:00 | 052004UT100CSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100C | 5/20/2004 0:00 | 052004UT100CSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100C | 5/20/2004 0:00 | 052004UT100CSW001 | Cadmium | 0 | UG/L | | 0.25 | 0.0775 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100C | 5/20/2004 0:00 | 052004UT100CSW001 | Calcium | 5960 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100C | 5/20/2004 0:00 | 052004UT100CSW001 | Calcium | 5850 | UG/L | | 125 | 37.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100C | 5/20/2004 0:00 | 052004UT100CSW001 | Chloride | 0.682 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100C | 5/20/2004 0:00 | 052004UT100CSW001 | Chromium | 0.229 | UG/L | BQ1 | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100C | 5/20/2004 0:00 | 052004UT100CSW001 | Chromium | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100C | 5/20/2004 0:00 | 052004UT100CSW001 | Cobalt | 0.0587 | UG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100C | 5/20/2004 0:00 | 052004UT100CSW001 | Cobalt | 0.211 | UG/L | | 0.25 | 0.0775 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100C | 5/20/2004 0:00 | 052004UT100CSW001 | Copper | 0.447 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100C | 5/20/2004 0:00 | 052004UT100CSW001 | Copper | 0.628 | UG/L | BQ1 | 0.5 | 0.155 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100C | 5/20/2004 0:00 | 052004UT100CSW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100C | 5/20/2004 0:00 | 052004UT100CSW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100C | 5/20/2004 0:00 | 052004UT100CSW001 | Fluoride | 0.08 | MG/L | J,BQ | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |

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Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT100C | 5/20/2004 0:00 | 052004UT100CSW001 | Hardness as CaCO3 | 20.4 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100C | 5/20/2004 0:00 | 052004UT100CSW001 | Hardness as CaCO3 | 20.1 | MG/L | | 1.25 | 1.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100C | 5/20/2004 0:00 | 052004UT100CSW001 | Iron | 201 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100C | 5/20/2004 0:00 | 052004UT100CSW001 | Iron | 67.5 | UG/L | | 50 | 15.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100C | 5/20/2004 0:00 | 052004UT100CSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100C | 5/20/2004 0:00 | 052004UT100CSW001 | Lead | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100C | 5/20/2004 0:00 | 052004UT100CSW001 | Magnesium | 1330 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100C | 5/20/2004 0:00 | 052004UT100CSW001 | Magnesium | 1340 | UG/L | | 50 | 15.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100C | 5/20/2004 0:00 | 052004UT100CSW001 | Manganese | 9.29 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100C | 5/20/2004 0:00 | 052004UT100CSW001 | Manganese | 5.64 | UG/L | | 2.5 | 1.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100C | 5/20/2004 0:00 | 052004UT100CSW001 | Molybdenum | 0 | UG/L | | 2.5 | 0.775 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100C | 5/20/2004 0:00 | 052004UT100CSW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100C | 5/20/2004 0:00 | 052004UT100CSW001 | Nickel | 0.233 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100C | 5/20/2004 0:00 | 052004UT100CSW001 | Nickel | 0.545 | UG/L | BQ1 | 0.5 | 0.155 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100C | 5/20/2004 0:00 | 052004UT100CSW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100C | 5/20/2004 0:00 | 052004UT100CSW001 | Nitrogen, Nitrate-Nitrite | 0.061 | MG/L | J- | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100C | 5/20/2004 0:00 | 052004UT100CSW001 | pH | 7.2 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100C | 5/20/2004 0:00 | 052004UT100CSW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100C | 5/20/2004 0:00 | 052004UT100CSW001 | Potassium | 338 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100C | 5/20/2004 0:00 | 052004UT100CSW001 | Potassium | 344 | UG/L | | 125 | 37.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100C | 5/20/2004 0:00 | 052004UT100CSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100C | 5/20/2004 0:00 | 052004UT100CSW001 | Selenium | 0 | UG/L | | 2.5 | 0.775 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100C | 5/20/2004 0:00 | 052004UT100CSW001 | Silicon | 3790 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100C | 5/20/2004 0:00 | 052004UT100CSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100C | 5/20/2004 0:00 | 052004UT100CSW001 | Silver | 0.0168 | UG/L | J | 0.05 | 0.0155 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100C | 5/20/2004 0:00 | 052004UT100CSW001 | Sodium | 2030 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100C | 5/20/2004 0:00 | 052004UT100CSW001 | Sodium | 2260 | UG/L | | 250 | 77.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100C | 5/20/2004 0:00 | 052004UT100CSW001 | Specific Conductance | 60 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100C | 5/20/2004 0:00 | 052004UT100CSW001 | Sulfate | 2.27 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100C | 5/20/2004 0:00 | 052004UT100CSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |

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Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT100C | 5/20/2004 0:00 | 052004UT100CSW001 | Thallium | 0 | UG/L | | 0.125 | 0.0625 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100C | 5/20/2004 0:00 | 052004UT100CSW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100C | 5/20/2004 0:00 | 052004UT100CSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100C | 5/20/2004 0:00 | 052004UT100CSW001 | Tin | 0 | UG/L | | 2.5 | 0.775 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100C | 5/20/2004 0:00 | 052004UT100CSW001 | Total Dissolved Solids | 50 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100C | 5/20/2004 0:00 | 052004UT100CSW001 | Total Suspended Solids | 1.1 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100C | 5/20/2004 0:00 | 052004UT100CSW001 | Vanadium | 0.407 | UG/L | BQ1 | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100C | 5/20/2004 0:00 | 052004UT100CSW001 | Vanadium | 0 | UG/L | | 1 | 0.625 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100C | 5/20/2004 0:00 | 052004UT100CSW001 | Zinc | 0.785 | UG/L | J,BQ1 | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100C | 5/20/2004 0:00 | 052004UT100CSW001 | Zinc | 2.28 | UG/L | J,BQ1 | 3.75 | 1.18 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100C | 6/3/2004 0:00 | 060304UT100CSW001 | Alkalinity, Total | 31.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100C | 8/15/2004 0:00 | 081504UT100CSW001 | Alkalinity, Total | 34.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 4/30/2004 0:00 | 043004UT100DSW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 4/30/2004 0:00 | 043004UT100DSW001 | Alkalinity, Total | 18 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 4/30/2004 0:00 | 043004UT100DSW001 | Aluminum | 318 | UG/L | | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 4/30/2004 0:00 | 043004UT100DSW001 | Aluminum | 27.5 | UG/L | BQ1 | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 4/30/2004 0:00 | 043004UT100DSW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 4/30/2004 0:00 | 043004UT100DSW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 4/30/2004 0:00 | 043004UT100DSW001 | Arsenic | 0.4 | UG/L | J | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 4/30/2004 0:00 | 043004UT100DSW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 4/30/2004 0:00 | 043004UT100DSW001 | Barium | 7.25 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 4/30/2004 0:00 | 043004UT100DSW001 | Barium | 3.68 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 4/30/2004 0:00 | 043004UT100DSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 4/30/2004 0:00 | 043004UT100DSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 4/30/2004 0:00 | 043004UT100DSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 4/30/2004 0:00 | 043004UT100DSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 4/30/2004 0:00 | 043004UT100DSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 4/30/2004 0:00 | 043004UT100DSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 4/30/2004 0:00 | 043004UT100DSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 4/30/2004 0:00 | 043004UT100DSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT100D | 4/30/2004 0:00 | 043004UT100DSW001 | Calcium | 4550 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 4/30/2004 0:00 | 043004UT100DSW001 | Calcium | 4330 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 4/30/2004 0:00 | 043004UT100DSW001 | Chloride | 0.624 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 4/30/2004 0:00 | 043004UT100DSW001 | Chromium | 0.463 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 4/30/2004 0:00 | 043004UT100DSW001 | Chromium | 0.372 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 4/30/2004 0:00 | 043004UT100DSW001 | Cobalt | 0.322 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 4/30/2004 0:00 | 043004UT100DSW001 | Cobalt | 0.315 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 4/30/2004 0:00 | 043004UT100DSW001 | Copper | 0.556 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 4/30/2004 0:00 | 043004UT100DSW001 | Copper | 0.738 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 4/30/2004 0:00 | 043004UT100DSW001 | Cyanide | 0.0026 | MG/L | J | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 4/30/2004 0:00 | 043004UT100DSW001 | Cyanide, Weak Acid Dissociable | 0.003 | MG/L | J | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 4/30/2004 0:00 | 043004UT100DSW001 | Fluoride | 0.039 | MG/L | J, BQ | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 4/30/2004 0:00 | 043004UT100DSW001 | Hardness as CaCO3 | 16.8 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 4/30/2004 0:00 | 043004UT100DSW001 | Hardness as CaCO3 | 16.9 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 4/30/2004 0:00 | 043004UT100DSW001 | Iron | 309 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 4/30/2004 0:00 | 043004UT100DSW001 | Iron | 824 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 4/30/2004 0:00 | 043004UT100DSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 4/30/2004 0:00 | 043004UT100DSW001 | Lead | 0.143 | UG/L | J | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 4/30/2004 0:00 | 043004UT100DSW001 | Magnesium | 1350 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 4/30/2004 0:00 | 043004UT100DSW001 | Magnesium | 1460 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 4/30/2004 0:00 | 043004UT100DSW001 | Manganese | 41.7 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 4/30/2004 0:00 | 043004UT100DSW001 | Manganese | 65.7 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 4/30/2004 0:00 | 043004UT100DSW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 4/30/2004 0:00 | 043004UT100DSW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 4/30/2004 0:00 | 043004UT100DSW001 | Nickel | 0.583 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 4/30/2004 0:00 | 043004UT100DSW001 | Nickel | 0.471 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 4/30/2004 0:00 | 043004UT100DSW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 4/30/2004 0:00 | 043004UT100DSW001 | Nitrogen, Nitrate-Nitrite | 0.183 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 4/30/2004 0:00 | 043004UT100DSW001 | pH | 6.8 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 4/30/2004 0:00 | 043004UT100DSW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT100D | 4/30/2004 0:00 | 043004UT100DSW001 | Potassium | 517 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 4/30/2004 0:00 | 043004UT100DSW001 | Potassium | 534 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 4/30/2004 0:00 | 043004UT100DSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 4/30/2004 0:00 | 043004UT100DSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 4/30/2004 0:00 | 043004UT100DSW001 | Silicon | 2570 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 4/30/2004 0:00 | 043004UT100DSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 4/30/2004 0:00 | 043004UT100DSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 4/30/2004 0:00 | 043004UT100DSW001 | Sodium | 1680 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 4/30/2004 0:00 | 043004UT100DSW001 | Sodium | 1600 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 4/30/2004 0:00 | 043004UT100DSW001 | Specific Conductance | 42 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 4/30/2004 0:00 | 043004UT100DSW001 | Sulfate | 1.6 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 4/30/2004 0:00 | 043004UT100DSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 4/30/2004 0:00 | 043004UT100DSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 4/30/2004 0:00 | 043004UT100DSW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 4/30/2004 0:00 | 043004UT100DSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 4/30/2004 0:00 | 043004UT100DSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 4/30/2004 0:00 | 043004UT100DSW001 | Total Dissolved Solids | 38.8 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 4/30/2004 0:00 | 043004UT100DSW001 | Total Suspended Solids | 9.33 | MG/L | | 0.667 | 0.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 4/30/2004 0:00 | 043004UT100DSW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 4/30/2004 0:00 | 043004UT100DSW001 | Vanadium | 0.894 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 4/30/2004 0:00 | 043004UT100DSW001 | Zinc | 2.45 | UG/L | | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 4/30/2004 0:00 | 043004UT100DSW001 | Zinc | 1.96 | UG/L | | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 5/20/2004 0:00 | 052004UT100DSW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 5/20/2004 0:00 | 052004UT100DSW001 | Alkalinity, Total | 31 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 5/20/2004 0:00 | 052004UT100DSW001 | Aluminum | 91.7 | UG/L | | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 5/20/2004 0:00 | 052004UT100DSW001 | Aluminum | 31.7 | UG/L | | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 5/20/2004 0:00 | 052004UT100DSW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 5/20/2004 0:00 | 052004UT100DSW001 | Antimony | 0.207 | UG/L | BQ1,BQ | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 5/20/2004 0:00 | 052004UT100DSW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 5/20/2004 0:00 | 052004UT100DSW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT100D | 5/20/2004 0:00 | 052004UT100DSW001 | Barium | 5.3 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 5/20/2004 0:00 | 052004UT100DSW001 | Barium | 4.74 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 5/20/2004 0:00 | 052004UT100DSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 5/20/2004 0:00 | 052004UT100DSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 5/20/2004 0:00 | 052004UT100DSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 5/20/2004 0:00 | 052004UT100DSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 5/20/2004 0:00 | 052004UT100DSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 5/20/2004 0:00 | 052004UT100DSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 5/20/2004 0:00 | 052004UT100DSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 5/20/2004 0:00 | 052004UT100DSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 5/20/2004 0:00 | 052004UT100DSW001 | Calcium | 7280 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 5/20/2004 0:00 | 052004UT100DSW001 | Calcium | 7580 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 5/20/2004 0:00 | 052004UT100DSW001 | Chloride | 0.616 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 5/20/2004 0:00 | 052004UT100DSW001 | Chromium | 0.301 | UG/L | BQ1 | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 5/20/2004 0:00 | 052004UT100DSW001 | Chromium | 0.138 | UG/L | J,BQ1 | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 5/20/2004 0:00 | 052004UT100DSW001 | Cobalt | 0.142 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 5/20/2004 0:00 | 052004UT100DSW001 | Cobalt | 3.04 | UG/L | J+ | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 5/20/2004 0:00 | 052004UT100DSW001 | Copper | 0.619 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 5/20/2004 0:00 | 052004UT100DSW001 | Copper | 0.559 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 5/20/2004 0:00 | 052004UT100DSW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 5/20/2004 0:00 | 052004UT100DSW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 5/20/2004 0:00 | 052004UT100DSW001 | Fluoride | 0.102 | MG/L | BQ | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 5/20/2004 0:00 | 052004UT100DSW001 | Hardness as CaCO3 | 27 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 5/20/2004 0:00 | 052004UT100DSW001 | Hardness as CaCO3 | 28 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 5/20/2004 0:00 | 052004UT100DSW001 | Iron | 355 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 5/20/2004 0:00 | 052004UT100DSW001 | Iron | 165 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 5/20/2004 0:00 | 052004UT100DSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 5/20/2004 0:00 | 052004UT100DSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 5/20/2004 0:00 | 052004UT100DSW001 | Magnesium | 2130 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 5/20/2004 0:00 | 052004UT100DSW001 | Magnesium | 2200 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT100D | 5/20/2004 0:00 | 052004UT100DSW001 | Manganese | 29 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 5/20/2004 0:00 | 052004UT100DSW001 | Manganese | 26.2 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 5/20/2004 0:00 | 052004UT100DSW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 5/20/2004 0:00 | 052004UT100DSW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 5/20/2004 0:00 | 052004UT100DSW001 | Nickel | 0.363 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 5/20/2004 0:00 | 052004UT100DSW001 | Nickel | 0.601 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 5/20/2004 0:00 | 052004UT100DSW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 5/20/2004 0:00 | 052004UT100DSW001 | Nitrogen, Nitrate-Nitrite | 0.056 | MG/L | J- | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 5/20/2004 0:00 | 052004UT100DSW001 | pH | 7.1 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 5/20/2004 0:00 | 052004UT100DSW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 5/20/2004 0:00 | 052004UT100DSW001 | Potassium | 375 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 5/20/2004 0:00 | 052004UT100DSW001 | Potassium | 392 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 5/20/2004 0:00 | 052004UT100DSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 5/20/2004 0:00 | 052004UT100DSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 5/20/2004 0:00 | 052004UT100DSW001 | Silicon | 4730 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 5/20/2004 0:00 | 052004UT100DSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 5/20/2004 0:00 | 052004UT100DSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 5/20/2004 0:00 | 052004UT100DSW001 | Sodium | 2490 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 5/20/2004 0:00 | 052004UT100DSW001 | Sodium | 2530 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 5/20/2004 0:00 | 052004UT100DSW001 | Specific Conductance | 70 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 5/20/2004 0:00 | 052004UT100DSW001 | Sulfate | 4.25 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 5/20/2004 0:00 | 052004UT100DSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 5/20/2004 0:00 | 052004UT100DSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 5/20/2004 0:00 | 052004UT100DSW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 5/20/2004 0:00 | 052004UT100DSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 5/20/2004 0:00 | 052004UT100DSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 5/20/2004 0:00 | 052004UT100DSW001 | Total Dissolved Solids | 60 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 5/20/2004 0:00 | 052004UT100DSW001 | Total Suspended Solids | 2.6 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 5/20/2004 0:00 | 052004UT100DSW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 5/20/2004 0:00 | 052004UT100DSW001 | Vanadium | 0.324 | UG/L | J,BQ1 | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT100D | 5/20/2004 0:00 | 052004UT100DSW001 | Zinc | 1.25 | UG/L | J,BQ1 | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 5/20/2004 0:00 | 052004UT100DSW001 | Zinc | 1.52 | UG/L | BQ1 | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 6/3/2004 0:00 | 060304UT100DSW001 | Alkalinity, Total | 41.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 6/17/2004 0:00 | 061704UT100DSW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 6/17/2004 0:00 | 061704UT100DSW001 | Alkalinity, Total | 41 | MG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 6/17/2004 0:00 | 061704UT100DSW001 | Aluminum | 183 | UG/L | | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 6/17/2004 0:00 | 061704UT100DSW001 | Aluminum | 15.4 | UG/L | BQ,BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 6/17/2004 0:00 | 061704UT100DSW001 | Antimony | 2.69 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 6/17/2004 0:00 | 061704UT100DSW001 | Antimony | 0.233 | UG/L | | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 6/17/2004 0:00 | 061704UT100DSW001 | Arsenic | 0.364 | UG/L | J | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 6/17/2004 0:00 | 061704UT100DSW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 6/17/2004 0:00 | 061704UT100DSW001 | Barium | 8.21 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 6/17/2004 0:00 | 061704UT100DSW001 | Barium | 5.43 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 6/17/2004 0:00 | 061704UT100DSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 6/17/2004 0:00 | 061704UT100DSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 6/17/2004 0:00 | 061704UT100DSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 6/17/2004 0:00 | 061704UT100DSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 6/17/2004 0:00 | 061704UT100DSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 6/17/2004 0:00 | 061704UT100DSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 6/17/2004 0:00 | 061704UT100DSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 6/17/2004 0:00 | 061704UT100DSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 6/17/2004 0:00 | 061704UT100DSW001 | Calcium | 9500 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 6/17/2004 0:00 | 061704UT100DSW001 | Calcium | 9390 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 6/17/2004 0:00 | 061704UT100DSW001 | Chloride | 0.534 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 6/17/2004 0:00 | 061704UT100DSW001 | Chromium | 0.399 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 6/17/2004 0:00 | 061704UT100DSW001 | Chromium | 0.242 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 6/17/2004 0:00 | 061704UT100DSW001 | Cobalt | 0.29 | UG/L | BQ1,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 6/17/2004 0:00 | 061704UT100DSW001 | Cobalt | 2.66 | UG/L | BQ1,J | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 6/17/2004 0:00 | 061704UT100DSW001 | Copper | 0.628 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 6/17/2004 0:00 | 061704UT100DSW001 | Copper | 0.363 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT100D | 6/17/2004 0:00 | 061704UT100DSW001 | Cyanide | 0.0055 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 6/17/2004 0:00 | 061704UT100DSW001 | Cyanide, Weak Acid Dissociable | 0.0066 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 6/17/2004 0:00 | 061704UT100DSW001 | Fluoride | 0.085 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 6/17/2004 0:00 | 061704UT100DSW001 | Hardness as CaCO3 | 34.6 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 6/17/2004 0:00 | 061704UT100DSW001 | Hardness as CaCO3 | 33.9 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 6/17/2004 0:00 | 061704UT100DSW001 | Iron | 768 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 6/17/2004 0:00 | 061704UT100DSW001 | Iron | 235 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 6/17/2004 0:00 | 061704UT100DSW001 | Lead | 0.11 | UG/L | J | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 6/17/2004 0:00 | 061704UT100DSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 6/17/2004 0:00 | 061704UT100DSW001 | Magnesium | 2530 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 6/17/2004 0:00 | 061704UT100DSW001 | Magnesium | 2630 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 6/17/2004 0:00 | 061704UT100DSW001 | Manganese | 57.1 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 6/17/2004 0:00 | 061704UT100DSW001 | Manganese | 37.6 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 6/17/2004 0:00 | 061704UT100DSW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 6/17/2004 0:00 | 061704UT100DSW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 6/17/2004 0:00 | 061704UT100DSW001 | Nickel | 0.605 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 6/17/2004 0:00 | 061704UT100DSW001 | Nickel | 0.639 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 6/17/2004 0:00 | 061704UT100DSW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 6/17/2004 0:00 | 061704UT100DSW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | R | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 6/17/2004 0:00 | 061704UT100DSW001 | pH | 7.34 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 6/17/2004 0:00 | 061704UT100DSW001 | Phosphorus, Total (as P) | 0.0326 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 6/17/2004 0:00 | 061704UT100DSW001 | Potassium | 383 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 6/17/2004 0:00 | 061704UT100DSW001 | Potassium | 354 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 6/17/2004 0:00 | 061704UT100DSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 6/17/2004 0:00 | 061704UT100DSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 6/17/2004 0:00 | 061704UT100DSW001 | Silicon | 4770 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 6/17/2004 0:00 | 061704UT100DSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 6/17/2004 0:00 | 061704UT100DSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 6/17/2004 0:00 | 061704UT100DSW001 | Sodium | 2910 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 6/17/2004 0:00 | 061704UT100DSW001 | Sodium | 2840 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |

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Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT100D | 6/17/2004 0:00 | 061704UT100DSW001 | Specific Conductance | 90 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 6/17/2004 0:00 | 061704UT100DSW001 | Sulfate | 5.88 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 6/17/2004 0:00 | 061704UT100DSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 6/17/2004 0:00 | 061704UT100DSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 6/17/2004 0:00 | 061704UT100DSW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 6/17/2004 0:00 | 061704UT100DSW001 | Tin | 0.681 | UG/L | BQ,J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 6/17/2004 0:00 | 061704UT100DSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 6/17/2004 0:00 | 061704UT100DSW001 | Total Dissolved Solids | 45 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 6/17/2004 0:00 | 061704UT100DSW001 | Total Suspended Solids | 12.6 | MG/L | | 1 | 0.3 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 6/17/2004 0:00 | 061704UT100DSW001 | Vanadium | 0.731 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 6/17/2004 0:00 | 061704UT100DSW001 | Vanadium | 0.303 | UG/L | J | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 6/17/2004 0:00 | 061704UT100DSW001 | Zinc | 1.46 | UG/L | BQ1,J | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 6/17/2004 0:00 | 061704UT100DSW001 | Zinc | 1.31 | UG/L | BQ,BQ1,J | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 7/15/2004 0:00 | 071504UT100DSW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 7/15/2004 0:00 | 071504UT100DSW001 | Alkalinity, Total | 49 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 7/15/2004 0:00 | 071504UT100DSW001 | Aluminum | 61.4 | UG/L | BQ1 | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 7/15/2004 0:00 | 071504UT100DSW001 | Aluminum | 15.1 | UG/L | BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 7/15/2004 0:00 | 071504UT100DSW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 7/15/2004 0:00 | 071504UT100DSW001 | Antimony | 0.105 | UG/L | BQ,BQ1,J | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 7/15/2004 0:00 | 071504UT100DSW001 | Arsenic | 0.584 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 7/15/2004 0:00 | 071504UT100DSW001 | Arsenic | 0.29 | UG/L | J | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 7/15/2004 0:00 | 071504UT100DSW001 | Barium | 7.77 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 7/15/2004 0:00 | 071504UT100DSW001 | Barium | 6.21 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 7/15/2004 0:00 | 071504UT100DSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 7/15/2004 0:00 | 071504UT100DSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 7/15/2004 0:00 | 071504UT100DSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 7/15/2004 0:00 | 071504UT100DSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 7/15/2004 0:00 | 071504UT100DSW001 | Boron | 4.8 | UG/L | J | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 7/15/2004 0:00 | 071504UT100DSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 7/15/2004 0:00 | 071504UT100DSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT100D | 7/15/2004 0:00 | 071504UT100DSW001 | Cadmium | 0.0729 | UG/L | BQ1,J | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 7/15/2004 0:00 | 071504UT100DSW001 | Calcium | 11300 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 7/15/2004 0:00 | 071504UT100DSW001 | Calcium | 10400 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 7/15/2004 0:00 | 071504UT100DSW001 | Chloride | 0.614 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 7/15/2004 0:00 | 071504UT100DSW001 | Chromium | 0.152 | UG/L | BQ,BQ1,J | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 7/15/2004 0:00 | 071504UT100DSW001 | Chromium | 0.216 | UG/L | BQ1 | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 7/15/2004 0:00 | 071504UT100DSW001 | Cobalt | 0.171 | UG/L | BQ1,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 7/15/2004 0:00 | 071504UT100DSW001 | Cobalt | 3.16 | UG/L | J | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 7/15/2004 0:00 | 071504UT100DSW001 | Copper | 0.581 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 7/15/2004 0:00 | 071504UT100DSW001 | Copper | 0.377 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 7/15/2004 0:00 | 071504UT100DSW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 7/15/2004 0:00 | 071504UT100DSW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 7/15/2004 0:00 | 071504UT100DSW001 | Fluoride | 0.076 | MG/L | BQ,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 7/15/2004 0:00 | 071504UT100DSW001 | Hardness as CaCO3 | 42.6 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 7/15/2004 0:00 | 071504UT100DSW001 | Hardness as CaCO3 | 39.7 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 7/15/2004 0:00 | 071504UT100DSW001 | Iron | 632 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 7/15/2004 0:00 | 071504UT100DSW001 | Iron | 311 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 7/15/2004 0:00 | 071504UT100DSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 7/15/2004 0:00 | 071504UT100DSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 7/15/2004 0:00 | 071504UT100DSW001 | Magnesium | 3470 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 7/15/2004 0:00 | 071504UT100DSW001 | Magnesium | 3340 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 7/15/2004 0:00 | 071504UT100DSW001 | Manganese | 68.5 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 7/15/2004 0:00 | 071504UT100DSW001 | Manganese | 56.4 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 7/15/2004 0:00 | 071504UT100DSW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 7/15/2004 0:00 | 071504UT100DSW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 7/15/2004 0:00 | 071504UT100DSW001 | Nickel | 0.584 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 7/15/2004 0:00 | 071504UT100DSW001 | Nickel | 0.739 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 7/15/2004 0:00 | 071504UT100DSW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 7/15/2004 0:00 | 071504UT100DSW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | | 2 | 0.62 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 7/15/2004 0:00 | 071504UT100DSW001 | pH | 7.3 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT100D | 7/15/2004 0:00 | 071504UT100DSW001 | Phosphorus, Total (as P) | 0.0391 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 7/15/2004 0:00 | 071504UT100DSW001 | Potassium | 515 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 7/15/2004 0:00 | 071504UT100DSW001 | Potassium | 458 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 7/15/2004 0:00 | 071504UT100DSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 7/15/2004 0:00 | 071504UT100DSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 7/15/2004 0:00 | 071504UT100DSW001 | Silicon | 5930 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 7/15/2004 0:00 | 071504UT100DSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 7/15/2004 0:00 | 071504UT100DSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 7/15/2004 0:00 | 071504UT100DSW001 | Sodium | 3630 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 7/15/2004 0:00 | 071504UT100DSW001 | Sodium | 3520 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 7/15/2004 0:00 | 071504UT100DSW001 | Specific Conductance | 100 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 7/15/2004 0:00 | 071504UT100DSW001 | Sulfate | 7 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 7/15/2004 0:00 | 071504UT100DSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 7/15/2004 0:00 | 071504UT100DSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 7/15/2004 0:00 | 071504UT100DSW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 7/15/2004 0:00 | 071504UT100DSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 7/15/2004 0:00 | 071504UT100DSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 7/15/2004 0:00 | 071504UT100DSW001 | Total Dissolved Solids | 73.8 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 7/15/2004 0:00 | 071504UT100DSW001 | Total Suspended Solids | 2.4 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 7/15/2004 0:00 | 071504UT100DSW001 | Vanadium | 0.514 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 7/15/2004 0:00 | 071504UT100DSW001 | Vanadium | 0.339 | UG/L | J | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 7/15/2004 0:00 | 071504UT100DSW001 | Zinc | 1.06 | UG/L | BQ1,J | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 7/15/2004 0:00 | 071504UT100DSW001 | Zinc | 1.1 | UG/L | BQ1,J | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 8/16/2004 0:00 | 081604UT100DSW001 | Alkalinity, Total | 50.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | 1,1,1,2-Tetrachloroethane | 0 | UG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | 1,1,1-Trichloroethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | 1,1,2,2-Tetrachloroethane | 0 | UG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | 1,1,2-Trichloroethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | 1,1-Dichloroethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | 1,1-Dichloroethene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | 1,1-Dichloropropene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | 1,2,3-Trichlorobenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | 1,2,3-Trichloropropane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | 1,2,4-Trichlorobenzene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | 1,2,4-Trichlorobenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | 1,2,4-Trimethylbenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | 1,2-Dibromo-3-chloropropane | 0 | UG/L | | 2 | 0.62 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | 1,2-Dibromoethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | 1,2-Dichlorobenzene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | 1,2-Dichlorobenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | 1,2-Dichloroethane | 0 | UG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | 1,2-Dichloropropane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | 1,3,5-Trimethylbenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | 1,3-Dichlorobenzene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | 1,3-Dichlorobenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | 1,3-Dichloropropane | 0 | UG/L | | 0.4 | 0.12 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | 1,4-Dichlorobenzene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | 1,4-Dichlorobenzene | 0 | UG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | 1-Chlorohexane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | 2,2-Dichloropropane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | 2,4,5-Trichlorophenol | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | 2,4,6-Trichlorophenol | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | 2,4-Dichlorophenol | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | 2,4-Dimethylphenol | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | 2,4-Dinitrophenol | 0 | UG/L | | 70 | 21 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | 2,4-Dinitrotoluene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | 2,6-Dinitrotoluene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | 2-Butanone | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | 2-Chloroethyl vinyl ether | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | 2-Chloronaphthalene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | 2-Chlorophenol | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | 2-Chlorotoluene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | 2-Hexanone | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | 2-Methyl-4,6-dinitrophenol | 0 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | 2-Methylnaphthalene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | 2-Methylphenol (o-Cresol) | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | 2-Nitroaniline | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | 2-Nitrophenol | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | 3,3'-Dichlorobenzidine | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | 3-Methylphenol/4-Methylphenol Coelution | 0 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | 3-Nitroaniline | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | 4,4'-DDD | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | 4,4'-DDE | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | 4,4'-DDT | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | 4-Bromophenyl phenyl ether | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | 4-Chloro-3-methylphenol | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | 4-Chloroaniline | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | 4-Chlorophenyl phenyl ether | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | 4-Chlorotoluene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | 4-Isopropyltoluene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | 4-Methyl-2-pentanone | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | 4-Nitroaniline | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | 4-Nitrophenol | 0 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Acenaphthene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Acenaphthylene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Acetone | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Acrylonitrile | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Aldrin | 0 | UG/L | | 0.05 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Alkalinity, Total | 52 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | alpha-BHC | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | alpha-Chlordane | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Aluminum | 63 | UG/L | BQ1 | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Aluminum | 11.3 | UG/L | BQ,BQ1,J | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Aniline | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Anthracene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Arsenic | 0.266 | UG/L | J | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Arsenic | 0.432 | UG/L | J | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Azobenzene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Barium | 6.54 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Barium | 6.14 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Benzene | 0 | UG/L | | 0.4 | 0.12 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Benzo(a)anthracene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Benzo(a)pyrene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Benzo(b)fluoranthene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Benzo(g,h,i)perylene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Benzo(k)fluoranthene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Benzoic acid | 0 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Benzyl alcohol | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Benzyl butyl phthalate | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | beta-BHC | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | bis-(2-Chloroethoxy)methane | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | bis-(2-Chloroethyl)ether | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | bis(2-Chloroisopropyl)ether | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | bis-(2-Ethylhexyl)phthalate | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Boron | 3.3 | UG/L | J | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Bromobenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Bromochloromethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Bromodichloromethane | 0 | UG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Bromoform | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Bromomethane | 0 | UG/L | | 3 | 0.94 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Calcium | 12300 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Calcium | 12400 | UG/L | | 200 | 60 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Carbon disulfide | 0 | UG/L | | 2 | 0.62 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Carbon tetrachloride | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Chloride | 0.787 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Chlorobenzene | 0 | UG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Chloroethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Chloroform | 0 | UG/L | | 1 | 0.3 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Chloromethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Chromium | 0.239 | UG/L | BQ1 | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Chromium | 0.178 | UG/L | BQ1,J | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Chrysene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | cis-1,2-Dichloroethene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | cis-1,3-Dichloropropene | 0 | UG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Cobalt | 0.115 | UG/L | BQ1 | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Cobalt | 0.0926 | UG/L | BQ1,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Copper | 0.408 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Copper | 0.421 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | delta-BHC | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Dibenzo(a,h)anthracene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Dibenzofuran | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Dibromochloromethane | 0 | UG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Dibromomethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Dichlorodifluoromethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Dieldrin | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Diethyl phthalate | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Dimethyl phthalate | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Di-n-butyl phthalate | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Di-n-octyl phthalate | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Endosulfan I | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Endosulfan II | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Endosulfan sulfate | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Endrin | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Endrin aldehyde | 0 | UG/L | | 0.05 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Endrin ketone | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Ethylbenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Fluoranthene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Fluorene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Fluoride | 0.125 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | gamma-BHC (Lindane) | 0 | UG/L | | 0.03 | 0.01 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | gamma-Chlordane | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Hardness as CaCO3 | 45.4 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Hardness as CaCO3 | 45.2 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Heptachlor | 0 | UG/L | | 0.1 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Heptachlor epoxide | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Hexachlorobenzene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Hexachlorobutadiene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Hexachlorobutadiene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Hexachlorocyclopentadiene | 0 | UG/L | | 30 | 9.4 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Hexachloroethane | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Indeno(1,2,3-cd)pyrene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Iron | 282 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Iron | 491 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Isophorone | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Isopropylbenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Magnesium | 3580 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Magnesium | 3470 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Manganese | 25.5 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Manganese | 25.2 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Methoxychlor | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Methyl iodide | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Methylene chloride | 0 | UG/L | | 5 | 1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Methyl-tert-butyl ether (MTBE) | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Naphthalene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Naphthalene | 0 | UG/L | | 2 | 0.62 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | n-Butylbenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Nickel | 0.498 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Nickel | 0.472 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Nitrobenzene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | n-Nitrosodimethylamine | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | n-Nitrosodi-n-propylamine | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | n-Nitrosodiphenylamine | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |

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Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | n-Propylbenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | o-Xylene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Pentachlorophenol | 0 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | pH | 7.72 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Phenanthrene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Phenol | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Potassium | 551 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Potassium | 517 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Pyrene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | sec-Butylbenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Silicon | 6500 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Sodium | 3620 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Sodium | 3490 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Specific Conductance | 120 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Styrene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Sulfate | 6.77 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | tert-Butylbenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Tetrachloroethene (PCE) | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Thiocyanate | 0.17 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Toluene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Total Dissolved Solids | 71.3 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Total Suspended Solids | 0.4 | MG/L | J | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Toxaphene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | trans-1,2-Dichloroethene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | trans-1,3-Dichloropropene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | trans-1,4-Dichloro-2-butene | 0 | UG/L | | 2 | 0.62 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Trichloroethene (TCE) | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Trichlorofluoromethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Vanadium | 0.434 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Vanadium | 0.251 | UG/L | J | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Vinyl acetate | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Vinyl chloride | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Xylene, Isomers m & p | 0 | UG/L | | 2 | 0.62 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Zinc | 0.604 | UG/L | BQ1,J | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 8/25/2004 0:00 | 082504UT100DSW001 | Zinc | 0.659 | UG/L | BQ1,J | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 9/17/2004 0:00 | 091704UT100DSW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 9/17/2004 0:00 | 091704UT100DSW001 | Alkalinity, Total | 56 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 9/17/2004 0:00 | 091704UT100DSW001 | Aluminum | 16.8 | UG/L | BQ1,J | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 9/17/2004 0:00 | 091704UT100DSW001 | Aluminum | 12.2 | UG/L | BQ,BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 9/17/2004 0:00 | 091704UT100DSW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 9/17/2004 0:00 | 091704UT100DSW001 | Antimony | 0.093 | UG/L | J | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 9/17/2004 0:00 | 091704UT100DSW001 | Arsenic | 0.342 | UG/L | J | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 9/17/2004 0:00 | 091704UT100DSW001 | Arsenic | 0.533 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 9/17/2004 0:00 | 091704UT100DSW001 | Barium | 6.04 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 9/17/2004 0:00 | 091704UT100DSW001 | Barium | 5.92 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 9/17/2004 0:00 | 091704UT100DSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 9/17/2004 0:00 | 091704UT100DSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 9/17/2004 0:00 | 091704UT100DSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 9/17/2004 0:00 | 091704UT100DSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 9/17/2004 0:00 | 091704UT100DSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 9/17/2004 0:00 | 091704UT100DSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT100D | 9/17/2004 0:00 | 091704UT100DSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 9/17/2004 0:00 | 091704UT100DSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 9/17/2004 0:00 | 091704UT100DSW001 | Calcium | 11000 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 9/17/2004 0:00 | 091704UT100DSW001 | Calcium | 13700 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 9/17/2004 0:00 | 091704UT100DSW001 | Chloride | 0.809 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 9/17/2004 0:00 | 091704UT100DSW001 | Chromium | 0.122 | UG/L | J | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 9/17/2004 0:00 | 091704UT100DSW001 | Chromium | 0.261 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 9/17/2004 0:00 | 091704UT100DSW001 | Cobalt | 0.105 | UG/L | J,BQ1 | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 9/17/2004 0:00 | 091704UT100DSW001 | Cobalt | 0.504 | UG/L | J,BQ1 | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 9/17/2004 0:00 | 091704UT100DSW001 | Copper | 0.324 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 9/17/2004 0:00 | 091704UT100DSW001 | Copper | 0.34 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 9/17/2004 0:00 | 091704UT100DSW001 | Cyanide | 0.0026 | MG/L | J | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 9/17/2004 0:00 | 091704UT100DSW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 9/17/2004 0:00 | 091704UT100DSW001 | Fluoride | 0.053 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 9/17/2004 0:00 | 091704UT100DSW001 | Hardness as CaCO3 | 41.6 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 9/17/2004 0:00 | 091704UT100DSW001 | Hardness as CaCO3 | 50.9 | MG/L | | 5 | 5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 9/17/2004 0:00 | 091704UT100DSW001 | Iron | 499 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 9/17/2004 0:00 | 091704UT100DSW001 | Iron | 262 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 9/17/2004 0:00 | 091704UT100DSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 9/17/2004 0:00 | 091704UT100DSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 9/17/2004 0:00 | 091704UT100DSW001 | Magnesium | 3450 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 9/17/2004 0:00 | 091704UT100DSW001 | Magnesium | 4050 | UG/L | | 200 | 62 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 9/17/2004 0:00 | 091704UT100DSW001 | Manganese | 44.9 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 9/17/2004 0:00 | 091704UT100DSW001 | Manganese | 46.5 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 9/17/2004 0:00 | 091704UT100DSW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 9/17/2004 0:00 | 091704UT100DSW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 9/17/2004 0:00 | 091704UT100DSW001 | Nickel | 0.496 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 9/17/2004 0:00 | 091704UT100DSW001 | Nickel | 0.655 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 9/17/2004 0:00 | 091704UT100DSW001 | Nitrogen, Ammonia (as N) | 0.08 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 9/17/2004 0:00 | 091704UT100DSW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | R | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |

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Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT100D | 9/17/2004 0:00 | 091704UT100DSW001 | pH | 7.48 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 9/17/2004 0:00 | 091704UT100DSW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 9/17/2004 0:00 | 091704UT100DSW001 | Potassium | 513 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 9/17/2004 0:00 | 091704UT100DSW001 | Potassium | 542 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 9/17/2004 0:00 | 091704UT100DSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 9/17/2004 0:00 | 091704UT100DSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 9/17/2004 0:00 | 091704UT100DSW001 | Silicon | 6140 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 9/17/2004 0:00 | 091704UT100DSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 9/17/2004 0:00 | 091704UT100DSW001 | Silver | 0.082 | UG/L | J | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 9/17/2004 0:00 | 091704UT100DSW001 | Sodium | 3650 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 9/17/2004 0:00 | 091704UT100DSW001 | Sodium | 3990 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 9/17/2004 0:00 | 091704UT100DSW001 | Specific Conductance | 120 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 9/17/2004 0:00 | 091704UT100DSW001 | Sulfate | 7.35 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 9/17/2004 0:00 | 091704UT100DSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 9/17/2004 0:00 | 091704UT100DSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 9/17/2004 0:00 | 091704UT100DSW001 | Thiocyanate | 0.24 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 9/17/2004 0:00 | 091704UT100DSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 9/17/2004 0:00 | 091704UT100DSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 9/17/2004 0:00 | 091704UT100DSW001 | Total Dissolved Solids | 70 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 9/17/2004 0:00 | 091704UT100DSW001 | Total Suspended Solids | 0.9 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 9/17/2004 0:00 | 091704UT100DSW001 | Vanadium | 0.322 | UG/L | J | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 9/17/2004 0:00 | 091704UT100DSW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 9/17/2004 0:00 | 091704UT100DSW001 | Zinc | 5.24 | UG/L | BQ1 | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 9/17/2004 0:00 | 091704UT100DSW001 | Zinc | 5.28 | UG/L | BQ1 | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | 1,1,1,2-Tetrachloroethane | 0 | UG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | 1,1,1-Trichloroethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | 1,1,2,2-Tetrachloroethane | 0 | UG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | 1,1,2-Trichloroethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | 1,1-Dichloroethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | 1,1-Dichloroethene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | 1,1-Dichloropropene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | 1,2,3-Trichlorobenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | 1,2,3-Trichloropropane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | 1,2,4-Trichlorobenzene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | 1,2,4-Trichlorobenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | 1,2,4-Trimethylbenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | 1,2-Dibromo-3-chloropropane | 0 | UG/L | | 2 | 0.62 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | 1,2-Dibromoethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | 1,2-Dichlorobenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | 1,2-Dichlorobenzene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | 1,2-Dichloroethane | 0 | UG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | 1,2-Dichloropropane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | 1,3,5-Trimethylbenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | 1,3-Dichlorobenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | 1,3-Dichlorobenzene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | 1,3-Dichloropropane | 0 | UG/L | | 0.4 | 0.12 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | 1,4-Dichlorobenzene | 0 | UG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | 1,4-Dichlorobenzene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | 1-Chlorohexane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | 2,2-Dichloropropane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | 2,4,5-Trichlorophenol | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | 2,4,6-Trichlorophenol | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | 2,4-Dichlorophenol | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | 2,4-Dimethylphenol | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | 2,4-Dinitrophenol | 0 | UG/L | | 70 | 21 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | 2,4-Dinitrotoluene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | 2,6-Dinitrotoluene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | 2-Butanone | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | 2-Chloroethyl vinyl ether | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | 2-Chloronaphthalene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | 2-Chlorophenol | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | 2-Chlorotoluene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | 2-Hexanone | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | 2-Methyl-4,6-dinitrophenol | 0 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | 2-Methylnaphthalene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | 2-Methylphenol (o-Cresol) | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | 2-Nitroaniline | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | 2-Nitrophenol | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | 3,3'-Dichlorobenzidine | 0 | UG/L | J | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | 3-Methylphenol/4-Methylphenol Coelution | 0 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | 3-Nitroaniline | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | 4,4'-DDD | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | 4,4'-DDE | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | 4,4'-DDT | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | 4-Bromophenyl phenyl ether | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | 4-Chloro-3-methylphenol | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | 4-Chloroaniline | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | 4-Chlorophenyl phenyl ether | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | 4-Chlorotoluene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | 4-Isopropyltoluene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | 4-Methyl-2-pentanone | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | 4-Nitroaniline | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | 4-Nitrophenol | 0 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Acenaphthene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Acenaphthylene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Acetone | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Acrylonitrile | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Aldrin | 0 | UG/L | | 0.05 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Alkalinity, Total | 40 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | alpha-BHC | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | alpha-Chlordane | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Aluminum | 38.1 | UG/L | BQ,BQ1 | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Aluminum | 22.3 | UG/L | BQ,BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Aniline | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Anthracene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Arsenic | 0.365 | UG/L | J | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Arsenic | 0.391 | UG/L | J | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Azobenzene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Barium | 5.16 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Barium | 4.8 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Benzene | 0 | UG/L | | 0.4 | 0.12 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Benzo(a)anthracene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Benzo(a)pyrene | 0 | UG/L | J | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Benzo(b)fluoranthene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Benzo(g,h,i)perylene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Benzo(k)fluoranthene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Benzoic acid | 0 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Benzyl alcohol | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Benzyl butyl phthalate | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | beta-BHC | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | bis-(2-Chloroethoxy)methane | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | bis-(2-Chloroethyl)ether | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | bis(2-Chloroisopropyl)ether | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | bis-(2-Ethylhexyl)phthalate | 0 | UG/L | J | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Bromobenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Bromochloromethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Bromodichloromethane | 0 | UG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Bromoform | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Bromomethane | 0 | UG/L | | 3 | 0.94 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Calcium | 8590 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Calcium | 8720 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Carbon disulfide | 0 | UG/L | | 2 | 0.62 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Carbon tetrachloride | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Chloride | 1.15 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Chlorobenzene | 0 | UG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Chloroethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Chloroform | 0 | UG/L | | 1 | 0.3 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Chloromethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Chromium | 0.244 | UG/L | BQ1 | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Chromium | 0.248 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Chrysene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | cis-1,2-Dichloroethene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | cis-1,3-Dichloropropene | 0 | UG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Cobalt | 0.842 | UG/L | BQ1,J | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Cobalt | 0.134 | UG/L | BQ1,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Copper | 0.41 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Copper | 0.575 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Cyanide | 0.0028 | MG/L | J | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |

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Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | delta-BHC | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Dibenzo(a,h)anthracene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Dibenzofuran | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Dibromochloromethane | 0 | UG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Dibromomethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Dichlorodifluoromethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Dieldrin | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Diethyl phthalate | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Dimethyl phthalate | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Di-n-butyl phthalate | 0 | UG/L | J | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Di-n-octyl phthalate | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Endosulfan I | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Endosulfan II | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Endosulfan sulfate | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Endrin | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Endrin aldehyde | 0 | UG/L | | 0.05 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Endrin ketone | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Ethylbenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Fluoranthene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Fluorene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Fluoride | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | gamma-BHC (Lindane) | 0 | UG/L | | 0.03 | 0.01 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | gamma-Chlordane | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Hardness as CaCO3 | 33 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Heptachlor | 0 | UG/L | | 0.1 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Heptachlor epoxide | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Hexachlorobenzene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Hexachlorobutadiene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Hexachlorobutadiene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Hexachlorocyclopentadiene | 0 | UG/L | | 30 | 9.4 | (N) Non-filtered (for metals, N depicts Total Metal) |

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Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Hexachloroethane | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Indeno(1,2,3-cd)pyrene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Iron | 231 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Iron | 343 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Isophorone | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Isopropylbenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Magnesium | 2660 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Magnesium | 2720 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Manganese | 42 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Manganese | 45.5 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Methoxychlor | 0 | UG/L | | 0.03 | 0.0094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Methyl iodide | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Methylene chloride | 0 | UG/L | | 5 | 1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Methyl-tert-butyl ether (MTBE) | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Naphthalene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Naphthalene | 0 | UG/L | | 2 | 0.62 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | n-Butylbenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Nickel | 0.631 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Nickel | 0.462 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Nitrobenzene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Nitrogen, Nitrate-Nitrite | 0.58 | MG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | n-Nitrosodimethylamine | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | n-Nitrosodi-n-propylamine | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | n-Nitrosodiphenylamine | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | n-Propylbenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |

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Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | o-Xylene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Pentachlorophenol | 0 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | pH | 7.11 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Phenanthrene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Phenol | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Potassium | 324 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Potassium | 333 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Pyrene | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | sec-Butylbenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Silicon | 5740 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Sodium | 3090 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Sodium | 3100 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Specific Conductance | 100 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Styrene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Sulfate | 5.82 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | tert-Butylbenzene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Tetrachloroethene (PCE) | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Thiocyanate | 0.34 | MG/L | J | 1 | 0.059 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Toluene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Total Dissolved Solids | 53.8 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Total Suspended Solids | 0.7 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Toxaphene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | trans-1,2-Dichloroethene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | trans-1,3-Dichloropropene | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | trans-1,4-Dichloro-2-butene | 0 | UG/L | | 2 | 0.62 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Trichloroethene (TCE) | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Trichlorofluoromethane | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Vanadium | 0.279 | UG/L | J | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Vinyl acetate | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Vinyl chloride | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Xylene, Isomers m & p | 0 | UG/L | | 2 | 0.62 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Zinc | 2.45 | UG/L | BQ1 | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100D | 10/18/2004 0:00 | 101804UT100DSW001 | Zinc | 1.71 | UG/L | BQ1 | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 4/30/2004 0:00 | 043004UT100ESW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 4/30/2004 0:00 | 043004UT100ESW001 | Alkalinity, Total | 18.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 4/30/2004 0:00 | 043004UT100ESW001 | Aluminum | 148 | UG/L | | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 4/30/2004 0:00 | 043004UT100ESW001 | Aluminum | 17.3 | UG/L | J, BQ1 | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 4/30/2004 0:00 | 043004UT100ESW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 4/30/2004 0:00 | 043004UT100ESW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 4/30/2004 0:00 | 043004UT100ESW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 4/30/2004 0:00 | 043004UT100ESW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 4/30/2004 0:00 | 043004UT100ESW001 | Barium | 4.09 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 4/30/2004 0:00 | 043004UT100ESW001 | Barium | 2.93 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 4/30/2004 0:00 | 043004UT100ESW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 4/30/2004 0:00 | 043004UT100ESW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 4/30/2004 0:00 | 043004UT100ESW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 4/30/2004 0:00 | 043004UT100ESW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 4/30/2004 0:00 | 043004UT100ESW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 4/30/2004 0:00 | 043004UT100ESW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 4/30/2004 0:00 | 043004UT100ESW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT100E | 4/30/2004 0:00 | 043004UT100ESW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 4/30/2004 0:00 | 043004UT100ESW001 | Calcium | 4500 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 4/30/2004 0:00 | 043004UT100ESW001 | Calcium | 4800 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 4/30/2004 0:00 | 043004UT100ESW001 | Chloride | 0.676 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 4/30/2004 0:00 | 043004UT100ESW001 | Chromium | 0.265 | UG/L | J | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 4/30/2004 0:00 | 043004UT100ESW001 | Chromium | 0.862 | UG/L | J | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 4/30/2004 0:00 | 043004UT100ESW001 | Cobalt | 0.128 | UG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 4/30/2004 0:00 | 043004UT100ESW001 | Cobalt | 0.281 | UG/L | J | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 4/30/2004 0:00 | 043004UT100ESW001 | Copper | 0.914 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 4/30/2004 0:00 | 043004UT100ESW001 | Copper | 0.597 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 4/30/2004 0:00 | 043004UT100ESW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 4/30/2004 0:00 | 043004UT100ESW001 | Cyanide, Weak Acid Dissociable | 0.0028 | MG/L | J | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 4/30/2004 0:00 | 043004UT100ESW001 | Fluoride | 0.036 | MG/L | J, BQ | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 4/30/2004 0:00 | 043004UT100ESW001 | Hardness as CaCO3 | 18 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 4/30/2004 0:00 | 043004UT100ESW001 | Hardness as CaCO3 | 18.7 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 4/30/2004 0:00 | 043004UT100ESW001 | Iron | 451 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 4/30/2004 0:00 | 043004UT100ESW001 | Iron | 137 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 4/30/2004 0:00 | 043004UT100ESW001 | Lead | 0.146 | UG/L | J | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 4/30/2004 0:00 | 043004UT100ESW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 4/30/2004 0:00 | 043004UT100ESW001 | Magnesium | 1650 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 4/30/2004 0:00 | 043004UT100ESW001 | Magnesium | 1620 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 4/30/2004 0:00 | 043004UT100ESW001 | Manganese | 27.5 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 4/30/2004 0:00 | 043004UT100ESW001 | Manganese | 6.78 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 4/30/2004 0:00 | 043004UT100ESW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 4/30/2004 0:00 | 043004UT100ESW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 4/30/2004 0:00 | 043004UT100ESW001 | Nickel | 0.274 | UG/L | J | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 4/30/2004 0:00 | 043004UT100ESW001 | Nickel | 0.842 | UG/L | J | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 4/30/2004 0:00 | 043004UT100ESW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 4/30/2004 0:00 | 043004UT100ESW001 | Nitrogen, Nitrate-Nitrite | 0.099 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 4/30/2004 0:00 | 043004UT100ESW001 | pH | 6.8 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT100E | 4/30/2004 0:00 | 043004UT100ESW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 4/30/2004 0:00 | 043004UT100ESW001 | Potassium | 566 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 4/30/2004 0:00 | 043004UT100ESW001 | Potassium | 554 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 4/30/2004 0:00 | 043004UT100ESW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 4/30/2004 0:00 | 043004UT100ESW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 4/30/2004 0:00 | 043004UT100ESW001 | Silicon | 3080 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 4/30/2004 0:00 | 043004UT100ESW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 4/30/2004 0:00 | 043004UT100ESW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 4/30/2004 0:00 | 043004UT100ESW001 | Sodium | 1840 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 4/30/2004 0:00 | 043004UT100ESW001 | Sodium | 1860 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 4/30/2004 0:00 | 043004UT100ESW001 | Specific Conductance | 48 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 4/30/2004 0:00 | 043004UT100ESW001 | Sulfate | 2.88 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 4/30/2004 0:00 | 043004UT100ESW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 4/30/2004 0:00 | 043004UT100ESW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 4/30/2004 0:00 | 043004UT100ESW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 4/30/2004 0:00 | 043004UT100ESW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 4/30/2004 0:00 | 043004UT100ESW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 4/30/2004 0:00 | 043004UT100ESW001 | Total Dissolved Solids | 41.3 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 4/30/2004 0:00 | 043004UT100ESW001 | Total Suspended Solids | 6.59 | MG/L | | 0.541 | 0.162 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 4/30/2004 0:00 | 043004UT100ESW001 | Vanadium | 0.446 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 4/30/2004 0:00 | 043004UT100ESW001 | Vanadium | 0.259 | UG/L | J | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 4/30/2004 0:00 | 043004UT100ESW001 | Zinc | 2.87 | UG/L | | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 4/30/2004 0:00 | 043004UT100ESW001 | Zinc | 3.33 | UG/L | | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 5/2/2004 0:00 | 050204UT100ESW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 5/2/2004 0:00 | 050204UT100ESW001 | Alkalinity, Total | 8 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 5/2/2004 0:00 | 050204UT100ESW001 | Aluminum | 46.5 | UG/L | | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 5/2/2004 0:00 | 050204UT100ESW001 | Aluminum | 23.3 | UG/L | J, BQ1 | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 5/2/2004 0:00 | 050204UT100ESW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 5/2/2004 0:00 | 050204UT100ESW001 | Antimony | 0.165 | UG/L | J, BQ1 | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 5/2/2004 0:00 | 050204UT100ESW001 | Arsenic | 0.3 | UG/L | J | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT100E | 5/2/2004 0:00 | 050204UT100ESW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 5/2/2004 0:00 | 050204UT100ESW001 | Barium | 2.9 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 5/2/2004 0:00 | 050204UT100ESW001 | Barium | 2.94 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 5/2/2004 0:00 | 050204UT100ESW001 | Beryllium | 0.0456 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 5/2/2004 0:00 | 050204UT100ESW001 | Beryllium | 0.0296 | UG/L | J | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 5/2/2004 0:00 | 050204UT100ESW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 5/2/2004 0:00 | 050204UT100ESW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 5/2/2004 0:00 | 050204UT100ESW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 5/2/2004 0:00 | 050204UT100ESW001 | Boron | 4.01 | UG/L | J | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 5/2/2004 0:00 | 050204UT100ESW001 | Cadmium | 0.0395 | UG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 5/2/2004 0:00 | 050204UT100ESW001 | Cadmium | 0.0425 | UG/L | J | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 5/2/2004 0:00 | 050204UT100ESW001 | Calcium | 2790 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 5/2/2004 0:00 | 050204UT100ESW001 | Calcium | 2790 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 5/2/2004 0:00 | 050204UT100ESW001 | Chloride | 0.653 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 5/2/2004 0:00 | 050204UT100ESW001 | Chromium | 0.16 | UG/L | J | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 5/2/2004 0:00 | 050204UT100ESW001 | Chromium | 0.181 | UG/L | J | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 5/2/2004 0:00 | 050204UT100ESW001 | Cobalt | 0.0894 | UG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 5/2/2004 0:00 | 050204UT100ESW001 | Cobalt | 0.392 | UG/L | J | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 5/2/2004 0:00 | 050204UT100ESW001 | Copper | 1.58 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 5/2/2004 0:00 | 050204UT100ESW001 | Copper | 1.9 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 5/2/2004 0:00 | 050204UT100ESW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 5/2/2004 0:00 | 050204UT100ESW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 5/2/2004 0:00 | 050204UT100ESW001 | Fluoride | 0.037 | MG/L | J, BQ | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 5/2/2004 0:00 | 050204UT100ESW001 | Hardness as CaCO3 | 10 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 5/2/2004 0:00 | 050204UT100ESW001 | Hardness as CaCO3 | 10.2 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 5/2/2004 0:00 | 050204UT100ESW001 | Iron | 325 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 5/2/2004 0:00 | 050204UT100ESW001 | Iron | 156 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 5/2/2004 0:00 | 050204UT100ESW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 5/2/2004 0:00 | 050204UT100ESW001 | Lead | 0.128 | UG/L | J, BQ1 | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 5/2/2004 0:00 | 050204UT100ESW001 | Magnesium | 746 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT100E | 5/2/2004 0:00 | 050204UT100ESW001 | Magnesium | 783 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 5/2/2004 0:00 | 050204UT100ESW001 | Manganese | 24.1 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 5/2/2004 0:00 | 050204UT100ESW001 | Manganese | 22.4 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 5/2/2004 0:00 | 050204UT100ESW001 | Molybdenum | 0.518 | UG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 5/2/2004 0:00 | 050204UT100ESW001 | Molybdenum | 0.461 | UG/L | J | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 5/2/2004 0:00 | 050204UT100ESW001 | Nickel | 0.236 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 5/2/2004 0:00 | 050204UT100ESW001 | Nickel | 0.335 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 5/2/2004 0:00 | 050204UT100ESW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 5/2/2004 0:00 | 050204UT100ESW001 | Nitrogen, Nitrate-Nitrite | 0.11 | MG/L | J- | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 5/2/2004 0:00 | 050204UT100ESW001 | pH | 6.9 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 5/2/2004 0:00 | 050204UT100ESW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 5/2/2004 0:00 | 050204UT100ESW001 | Potassium | 380 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 5/2/2004 0:00 | 050204UT100ESW001 | Potassium | 395 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 5/2/2004 0:00 | 050204UT100ESW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 5/2/2004 0:00 | 050204UT100ESW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 5/2/2004 0:00 | 050204UT100ESW001 | Silicon | 2270 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 5/2/2004 0:00 | 050204UT100ESW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 5/2/2004 0:00 | 050204UT100ESW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 5/2/2004 0:00 | 050204UT100ESW001 | Sodium | 1270 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 5/2/2004 0:00 | 050204UT100ESW001 | Sodium | 1240 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 5/2/2004 0:00 | 050204UT100ESW001 | Specific Conductance | 28 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 5/2/2004 0:00 | 050204UT100ESW001 | Sulfate | 3.4 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 5/2/2004 0:00 | 050204UT100ESW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 5/2/2004 0:00 | 050204UT100ESW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 5/2/2004 0:00 | 050204UT100ESW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 5/2/2004 0:00 | 050204UT100ESW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 5/2/2004 0:00 | 050204UT100ESW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 5/2/2004 0:00 | 050204UT100ESW001 | Total Dissolved Solids | 40 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 5/2/2004 0:00 | 050204UT100ESW001 | Total Suspended Solids | 1.2 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 5/2/2004 0:00 | 050204UT100ESW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT100E | 5/2/2004 0:00 | 050204UT100ESW001 | Vanadium | 0.272 | UG/L | J | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 5/2/2004 0:00 | 050204UT100ESW001 | Zinc | 2.23 | UG/L | J | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 5/2/2004 0:00 | 050204UT100ESW001 | Zinc | 7.31 | UG/L | J | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 5/20/2004 0:00 | 052004UT100ESW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 5/20/2004 0:00 | 052004UT100ESW001 | Alkalinity, Total | 36 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 5/20/2004 0:00 | 052004UT100ESW001 | Aluminum | 40.8 | UG/L | | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 5/20/2004 0:00 | 052004UT100ESW001 | Aluminum | 18.3 | UG/L | J,BQ | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 5/20/2004 0:00 | 052004UT100ESW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 5/20/2004 0:00 | 052004UT100ESW001 | Antimony | 0.127 | UG/L | J,BQ1 | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 5/20/2004 0:00 | 052004UT100ESW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 5/20/2004 0:00 | 052004UT100ESW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 5/20/2004 0:00 | 052004UT100ESW001 | Barium | 4.18 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 5/20/2004 0:00 | 052004UT100ESW001 | Barium | 4.09 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 5/20/2004 0:00 | 052004UT100ESW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 5/20/2004 0:00 | 052004UT100ESW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 5/20/2004 0:00 | 052004UT100ESW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 5/20/2004 0:00 | 052004UT100ESW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 5/20/2004 0:00 | 052004UT100ESW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 5/20/2004 0:00 | 052004UT100ESW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 5/20/2004 0:00 | 052004UT100ESW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 5/20/2004 0:00 | 052004UT100ESW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 5/20/2004 0:00 | 052004UT100ESW001 | Calcium | 8580 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 5/20/2004 0:00 | 052004UT100ESW001 | Calcium | 8350 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 5/20/2004 0:00 | 052004UT100ESW001 | Chloride | 0.662 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 5/20/2004 0:00 | 052004UT100ESW001 | Chromium | 0.201 | UG/L | BQ1 | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 5/20/2004 0:00 | 052004UT100ESW001 | Chromium | 0.184 | UG/L | J,BQ1 | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 5/20/2004 0:00 | 052004UT100ESW001 | Cobalt | 0.0482 | UG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 5/20/2004 0:00 | 052004UT100ESW001 | Cobalt | 2.1 | UG/L | J+ | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 5/20/2004 0:00 | 052004UT100ESW001 | Copper | 0.317 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 5/20/2004 0:00 | 052004UT100ESW001 | Copper | 0.316 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT100E | 5/20/2004 0:00 | 052004UT100ESW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 5/20/2004 0:00 | 052004UT100ESW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 5/20/2004 0:00 | 052004UT100ESW001 | Fluoride | 0.058 | MG/L | J,BQ | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 5/20/2004 0:00 | 052004UT100ESW001 | Hardness as CaCO3 | 32.5 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 5/20/2004 0:00 | 052004UT100ESW001 | Hardness as CaCO3 | 32.7 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 5/20/2004 0:00 | 052004UT100ESW001 | Iron | 166 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 5/20/2004 0:00 | 052004UT100ESW001 | Iron | 96.7 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 5/20/2004 0:00 | 052004UT100ESW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 5/20/2004 0:00 | 052004UT100ESW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 5/20/2004 0:00 | 052004UT100ESW001 | Magnesium | 2690 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 5/20/2004 0:00 | 052004UT100ESW001 | Magnesium | 2890 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 5/20/2004 0:00 | 052004UT100ESW001 | Manganese | 7.37 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 5/20/2004 0:00 | 052004UT100ESW001 | Manganese | 5.86 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 5/20/2004 0:00 | 052004UT100ESW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 5/20/2004 0:00 | 052004UT100ESW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 5/20/2004 0:00 | 052004UT100ESW001 | Nickel | 0.342 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 5/20/2004 0:00 | 052004UT100ESW001 | Nickel | 0.487 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 5/20/2004 0:00 | 052004UT100ESW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 5/20/2004 0:00 | 052004UT100ESW001 | Nitrogen, Nitrate-Nitrite | 0.039 | MG/L | J- | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 5/20/2004 0:00 | 052004UT100ESW001 | pH | 7.4 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 5/20/2004 0:00 | 052004UT100ESW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 5/20/2004 0:00 | 052004UT100ESW001 | Potassium | 457 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 5/20/2004 0:00 | 052004UT100ESW001 | Potassium | 484 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 5/20/2004 0:00 | 052004UT100ESW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 5/20/2004 0:00 | 052004UT100ESW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 5/20/2004 0:00 | 052004UT100ESW001 | Silicon | 5690 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 5/20/2004 0:00 | 052004UT100ESW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 5/20/2004 0:00 | 052004UT100ESW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 5/20/2004 0:00 | 052004UT100ESW001 | Sodium | 2840 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 5/20/2004 0:00 | 052004UT100ESW001 | Sodium | 2970 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT100E | 5/20/2004 0:00 | 052004UT100ESW001 | Specific Conductance | 80 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 5/20/2004 0:00 | 052004UT100ESW001 | Sulfate | 4.76 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 5/20/2004 0:00 | 052004UT100ESW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 5/20/2004 0:00 | 052004UT100ESW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 5/20/2004 0:00 | 052004UT100ESW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 5/20/2004 0:00 | 052004UT100ESW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 5/20/2004 0:00 | 052004UT100ESW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 5/20/2004 0:00 | 052004UT100ESW001 | Total Dissolved Solids | 66.3 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 5/20/2004 0:00 | 052004UT100ESW001 | Total Suspended Solids | 1.23 | MG/L | | 0.513 | 0.154 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 5/20/2004 0:00 | 052004UT100ESW001 | Vanadium | 0.408 | UG/L | BQ1,BQ | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 5/20/2004 0:00 | 052004UT100ESW001 | Vanadium | 0.391 | UG/L | J,BQ1 | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 5/20/2004 0:00 | 052004UT100ESW001 | Zinc | 2.02 | UG/L | BQ1 | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 5/20/2004 0:00 | 052004UT100ESW001 | Zinc | 1.65 | UG/L | BQ1 | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 6/4/2004 0:00 | 060404UT100ESW001 | Alkalinity, Total | 40 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 6/17/2004 0:00 | 061704UT100ESW001 | Acidity, Total | 3.6 | MG/L | J | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 6/17/2004 0:00 | 061704UT100ESW001 | Alkalinity, Total | 40 | MG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 6/17/2004 0:00 | 061704UT100ESW001 | Aluminum | 49.1 | UG/L | | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 6/17/2004 0:00 | 061704UT100ESW001 | Aluminum | 12.9 | UG/L | BQ,BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 6/17/2004 0:00 | 061704UT100ESW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 6/17/2004 0:00 | 061704UT100ESW001 | Antimony | 0.206 | UG/L | | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 6/17/2004 0:00 | 061704UT100ESW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 6/17/2004 0:00 | 061704UT100ESW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 6/17/2004 0:00 | 061704UT100ESW001 | Barium | 5.32 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 6/17/2004 0:00 | 061704UT100ESW001 | Barium | 4.85 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 6/17/2004 0:00 | 061704UT100ESW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 6/17/2004 0:00 | 061704UT100ESW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 6/17/2004 0:00 | 061704UT100ESW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 6/17/2004 0:00 | 061704UT100ESW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 6/17/2004 0:00 | 061704UT100ESW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 6/17/2004 0:00 | 061704UT100ESW001 | Boron | 4.27 | UG/L | J | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT100E | 6/17/2004 0:00 | 061704UT100ESW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 6/17/2004 0:00 | 061704UT100ESW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 6/17/2004 0:00 | 061704UT100ESW001 | Calcium | 8470 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 6/17/2004 0:00 | 061704UT100ESW001 | Calcium | 8520 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 6/17/2004 0:00 | 061704UT100ESW001 | Chloride | 0.593 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 6/17/2004 0:00 | 061704UT100ESW001 | Chromium | 0.207 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 6/17/2004 0:00 | 061704UT100ESW001 | Chromium | 0.237 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 6/17/2004 0:00 | 061704UT100ESW001 | Cobalt | 0.0732 | UG/L | BQ1,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 6/17/2004 0:00 | 061704UT100ESW001 | Cobalt | 1.95 | UG/L | BQ1,J | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 6/17/2004 0:00 | 061704UT100ESW001 | Copper | 0.46 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 6/17/2004 0:00 | 061704UT100ESW001 | Copper | 0.384 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 6/17/2004 0:00 | 061704UT100ESW001 | Cyanide | 0.0081 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 6/17/2004 0:00 | 061704UT100ESW001 | Cyanide, Weak Acid Dissociable | 0.0044 | MG/L | J | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 6/17/2004 0:00 | 061704UT100ESW001 | Fluoride | 0.064 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 6/17/2004 0:00 | 061704UT100ESW001 | Hardness as CaCO3 | 31.9 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 6/17/2004 0:00 | 061704UT100ESW001 | Hardness as CaCO3 | 31.9 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 6/17/2004 0:00 | 061704UT100ESW001 | Iron | 173 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 6/17/2004 0:00 | 061704UT100ESW001 | Iron | 54.5 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 6/17/2004 0:00 | 061704UT100ESW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 6/17/2004 0:00 | 061704UT100ESW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 6/17/2004 0:00 | 061704UT100ESW001 | Magnesium | 2600 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 6/17/2004 0:00 | 061704UT100ESW001 | Magnesium | 2590 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 6/17/2004 0:00 | 061704UT100ESW001 | Manganese | 12.4 | UG/L | BQ1 | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 6/17/2004 0:00 | 061704UT100ESW001 | Manganese | 7.99 | UG/L | BQ1 | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 6/17/2004 0:00 | 061704UT100ESW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 6/17/2004 0:00 | 061704UT100ESW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 6/17/2004 0:00 | 061704UT100ESW001 | Nickel | 0.375 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 6/17/2004 0:00 | 061704UT100ESW001 | Nickel | 0.54 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 6/17/2004 0:00 | 061704UT100ESW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 6/17/2004 0:00 | 061704UT100ESW001 | Nitrogen, Nitrate-Nitrite | 0.085 | MG/L | J- | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT100E | 6/17/2004 0:00 | 061704UT100ESW001 | pH | 7.15 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 6/17/2004 0:00 | 061704UT100ESW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 6/17/2004 0:00 | 061704UT100ESW001 | Potassium | 393 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 6/17/2004 0:00 | 061704UT100ESW001 | Potassium | 404 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 6/17/2004 0:00 | 061704UT100ESW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 6/17/2004 0:00 | 061704UT100ESW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 6/17/2004 0:00 | 061704UT100ESW001 | Silicon | 6250 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 6/17/2004 0:00 | 061704UT100ESW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 6/17/2004 0:00 | 061704UT100ESW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 6/17/2004 0:00 | 061704UT100ESW001 | Sodium | 2830 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 6/17/2004 0:00 | 061704UT100ESW001 | Sodium | 2800 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 6/17/2004 0:00 | 061704UT100ESW001 | Specific Conductance | 85 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 6/17/2004 0:00 | 061704UT100ESW001 | Sulfate | 5.24 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 6/17/2004 0:00 | 061704UT100ESW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 6/17/2004 0:00 | 061704UT100ESW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 6/17/2004 0:00 | 061704UT100ESW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 6/17/2004 0:00 | 061704UT100ESW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 6/17/2004 0:00 | 061704UT100ESW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 6/17/2004 0:00 | 061704UT100ESW001 | Total Dissolved Solids | 51.3 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 6/17/2004 0:00 | 061704UT100ESW001 | Total Suspended Solids | 2.5 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 6/17/2004 0:00 | 061704UT100ESW001 | Vanadium | 0.297 | UG/L | J | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 6/17/2004 0:00 | 061704UT100ESW001 | Vanadium | 0.281 | UG/L | J | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 6/17/2004 0:00 | 061704UT100ESW001 | Zinc | 2.24 | UG/L | BQ1 | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 6/17/2004 0:00 | 061704UT100ESW001 | Zinc | 1.96 | UG/L | BQ,BQ1 | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 7/15/2004 0:00 | 071504UT100ESW001 | Acidity, Total | 3.5 | MG/L | J | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 7/15/2004 0:00 | 071504UT100ESW001 | Alkalinity, Total | 42 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 7/15/2004 0:00 | 071504UT100ESW001 | Aluminum | 16.4 | UG/L | BQ1,J | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 7/15/2004 0:00 | 071504UT100ESW001 | Aluminum | 0 | UG/L | | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 7/15/2004 0:00 | 071504UT100ESW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 7/15/2004 0:00 | 071504UT100ESW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT100E | 7/15/2004 0:00 | 071504UT100ESW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 7/15/2004 0:00 | 071504UT100ESW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 7/15/2004 0:00 | 071504UT100ESW001 | Barium | 5.46 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 7/15/2004 0:00 | 071504UT100ESW001 | Barium | 4.58 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 7/15/2004 0:00 | 071504UT100ESW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 7/15/2004 0:00 | 071504UT100ESW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 7/15/2004 0:00 | 071504UT100ESW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 7/15/2004 0:00 | 071504UT100ESW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 7/15/2004 0:00 | 071504UT100ESW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 7/15/2004 0:00 | 071504UT100ESW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 7/15/2004 0:00 | 071504UT100ESW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 7/15/2004 0:00 | 071504UT100ESW001 | Cadmium | 0.0584 | UG/L | BQ1,J | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 7/15/2004 0:00 | 071504UT100ESW001 | Calcium | 9950 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 7/15/2004 0:00 | 071504UT100ESW001 | Calcium | 9020 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 7/15/2004 0:00 | 071504UT100ESW001 | Chloride | 0.708 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 7/15/2004 0:00 | 071504UT100ESW001 | Chromium | 0.167 | UG/L | BQ,BQ1,J | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 7/15/2004 0:00 | 071504UT100ESW001 | Chromium | 0.232 | UG/L | BQ1 | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 7/15/2004 0:00 | 071504UT100ESW001 | Cobalt | 0.0386 | UG/L | BQ1,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 7/15/2004 0:00 | 071504UT100ESW001 | Cobalt | 3.06 | UG/L | J | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 7/15/2004 0:00 | 071504UT100ESW001 | Copper | 0.25 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 7/15/2004 0:00 | 071504UT100ESW001 | Copper | 0.189 | UG/L | BQ1,J | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 7/15/2004 0:00 | 071504UT100ESW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 7/15/2004 0:00 | 071504UT100ESW001 | Cyanide, Weak Acid Dissociable | 0.008 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 7/15/2004 0:00 | 071504UT100ESW001 | Fluoride | 0.067 | MG/L | BQ,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 7/15/2004 0:00 | 071504UT100ESW001 | Hardness as CaCO3 | 38 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 7/15/2004 0:00 | 071504UT100ESW001 | Hardness as CaCO3 | 35.1 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 7/15/2004 0:00 | 071504UT100ESW001 | Iron | 64.7 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 7/15/2004 0:00 | 071504UT100ESW001 | Iron | 26.1 | UG/L | BQ1 | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 7/15/2004 0:00 | 071504UT100ESW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 7/15/2004 0:00 | 071504UT100ESW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT100E | 7/15/2004 0:00 | 071504UT100ESW001 | Magnesium | 3190 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 7/15/2004 0:00 | 071504UT100ESW001 | Magnesium | 3050 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 7/15/2004 0:00 | 071504UT100ESW001 | Manganese | 2.85 | UG/L | J | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 7/15/2004 0:00 | 071504UT100ESW001 | Manganese | 6.08 | UG/L | J | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 7/15/2004 0:00 | 071504UT100ESW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 7/15/2004 0:00 | 071504UT100ESW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 7/15/2004 0:00 | 071504UT100ESW001 | Nickel | 0.381 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 7/15/2004 0:00 | 071504UT100ESW001 | Nickel | 0.536 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 7/15/2004 0:00 | 071504UT100ESW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 7/15/2004 0:00 | 071504UT100ESW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | | 2 | 0.62 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 7/15/2004 0:00 | 071504UT100ESW001 | pH | 7.62 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 7/15/2004 0:00 | 071504UT100ESW001 | Phosphorus, Total (as P) | 0.114 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 7/15/2004 0:00 | 071504UT100ESW001 | Potassium | 536 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 7/15/2004 0:00 | 071504UT100ESW001 | Potassium | 470 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 7/15/2004 0:00 | 071504UT100ESW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 7/15/2004 0:00 | 071504UT100ESW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 7/15/2004 0:00 | 071504UT100ESW001 | Silicon | 7180 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 7/15/2004 0:00 | 071504UT100ESW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 7/15/2004 0:00 | 071504UT100ESW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 7/15/2004 0:00 | 071504UT100ESW001 | Sodium | 3480 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 7/15/2004 0:00 | 071504UT100ESW001 | Sodium | 3360 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 7/15/2004 0:00 | 071504UT100ESW001 | Specific Conductance | 105 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 7/15/2004 0:00 | 071504UT100ESW001 | Sulfate | 7.04 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 7/15/2004 0:00 | 071504UT100ESW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 7/15/2004 0:00 | 071504UT100ESW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 7/15/2004 0:00 | 071504UT100ESW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 7/15/2004 0:00 | 071504UT100ESW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 7/15/2004 0:00 | 071504UT100ESW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 7/15/2004 0:00 | 071504UT100ESW001 | Total Dissolved Solids | 68.8 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 7/15/2004 0:00 | 071504UT100ESW001 | Total Suspended Solids | 1.3 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT100E | 7/15/2004 0:00 | 071504UT100ESW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 7/15/2004 0:00 | 071504UT100ESW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 7/15/2004 0:00 | 071504UT100ESW001 | Zinc | 0.834 | UG/L | BQ1,J | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 7/15/2004 0:00 | 071504UT100ESW001 | Zinc | 0.92 | UG/L | BQ1,J | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 8/16/2004 0:00 | 081604UT100ESW001 | Alkalinity, Total | 36.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 8/25/2004 0:00 | 082504UT100ESW001 | Acidity, Total | 3.2 | MG/L | J | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 8/25/2004 0:00 | 082504UT100ESW001 | Alkalinity, Total | 42.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 8/25/2004 0:00 | 082504UT100ESW001 | Aluminum | 18.9 | UG/L | BQ,BQ1,J | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 8/25/2004 0:00 | 082504UT100ESW001 | Aluminum | 23 | UG/L | BQ,BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 8/25/2004 0:00 | 082504UT100ESW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 8/25/2004 0:00 | 082504UT100ESW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 8/25/2004 0:00 | 082504UT100ESW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 8/25/2004 0:00 | 082504UT100ESW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 8/25/2004 0:00 | 082504UT100ESW001 | Barium | 4.79 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 8/25/2004 0:00 | 082504UT100ESW001 | Barium | 4.66 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 8/25/2004 0:00 | 082504UT100ESW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 8/25/2004 0:00 | 082504UT100ESW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 8/25/2004 0:00 | 082504UT100ESW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 8/25/2004 0:00 | 082504UT100ESW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 8/25/2004 0:00 | 082504UT100ESW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 8/25/2004 0:00 | 082504UT100ESW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 8/25/2004 0:00 | 082504UT100ESW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 8/25/2004 0:00 | 082504UT100ESW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 8/25/2004 0:00 | 082504UT100ESW001 | Calcium | 10000 | UG/L | | 200 | 60 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 8/25/2004 0:00 | 082504UT100ESW001 | Calcium | 10100 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 8/25/2004 0:00 | 082504UT100ESW001 | Chloride | 0.837 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 8/25/2004 0:00 | 082504UT100ESW001 | Chromium | 0.216 | UG/L | BQ1 | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 8/25/2004 0:00 | 082504UT100ESW001 | Chromium | 0.197 | UG/L | BQ1,J | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 8/25/2004 0:00 | 082504UT100ESW001 | Cobalt | 0.0429 | UG/L | BQ1,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 8/25/2004 0:00 | 082504UT100ESW001 | Cobalt | 0.0878 | UG/L | BQ1,J | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT100E | 8/25/2004 0:00 | 082504UT100ESW001 | Copper | 0.365 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 8/25/2004 0:00 | 082504UT100ESW001 | Copper | 0.334 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 8/25/2004 0:00 | 082504UT100ESW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 8/25/2004 0:00 | 082504UT100ESW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 8/25/2004 0:00 | 082504UT100ESW001 | Fluoride | 0.129 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 8/25/2004 0:00 | 082504UT100ESW001 | Hardness as CaCO3 | 36.4 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 8/25/2004 0:00 | 082504UT100ESW001 | Hardness as CaCO3 | 37.3 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 8/25/2004 0:00 | 082504UT100ESW001 | Iron | 100 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 8/25/2004 0:00 | 082504UT100ESW001 | Iron | 42.5 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 8/25/2004 0:00 | 082504UT100ESW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 8/25/2004 0:00 | 082504UT100ESW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 8/25/2004 0:00 | 082504UT100ESW001 | Magnesium | 2770 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 8/25/2004 0:00 | 082504UT100ESW001 | Magnesium | 2970 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 8/25/2004 0:00 | 082504UT100ESW001 | Manganese | 3.46 | UG/L | BQ1 | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 8/25/2004 0:00 | 082504UT100ESW001 | Manganese | 1.92 | UG/L | BQ1 | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 8/25/2004 0:00 | 082504UT100ESW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 8/25/2004 0:00 | 082504UT100ESW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 8/25/2004 0:00 | 082504UT100ESW001 | Nickel | 0.345 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 8/25/2004 0:00 | 082504UT100ESW001 | Nickel | 0.329 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 8/25/2004 0:00 | 082504UT100ESW001 | Nitrogen, Ammonia (as N) | 0.031 | MG/L | BQ,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 8/25/2004 0:00 | 082504UT100ESW001 | Nitrogen, Nitrate-Nitrite | 0.47 | MG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 8/25/2004 0:00 | 082504UT100ESW001 | pH | 7.56 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 8/25/2004 0:00 | 082504UT100ESW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 8/25/2004 0:00 | 082504UT100ESW001 | Potassium | 543 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 8/25/2004 0:00 | 082504UT100ESW001 | Potassium | 528 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 8/25/2004 0:00 | 082504UT100ESW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 8/25/2004 0:00 | 082504UT100ESW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 8/25/2004 0:00 | 082504UT100ESW001 | Silicon | 8500 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 8/25/2004 0:00 | 082504UT100ESW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 8/25/2004 0:00 | 082504UT100ESW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT100E | 8/25/2004 0:00 | 082504UT100ESW001 | Sodium | 2920 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 8/25/2004 0:00 | 082504UT100ESW001 | Sodium | 3050 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 8/25/2004 0:00 | 082504UT100ESW001 | Specific Conductance | 100 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 8/25/2004 0:00 | 082504UT100ESW001 | Sulfate | 7.36 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 8/25/2004 0:00 | 082504UT100ESW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 8/25/2004 0:00 | 082504UT100ESW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 8/25/2004 0:00 | 082504UT100ESW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 8/25/2004 0:00 | 082504UT100ESW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 8/25/2004 0:00 | 082504UT100ESW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 8/25/2004 0:00 | 082504UT100ESW001 | Total Dissolved Solids | 63.8 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 8/25/2004 0:00 | 082504UT100ESW001 | Total Suspended Solids | 0.3 | MG/L | J | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 8/25/2004 0:00 | 082504UT100ESW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 8/25/2004 0:00 | 082504UT100ESW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 8/25/2004 0:00 | 082504UT100ESW001 | Zinc | 1.15 | UG/L | BQ1,J | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 8/25/2004 0:00 | 082504UT100ESW001 | Zinc | 1.01 | UG/L | BQ1,J | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 9/17/2004 0:00 | 091704UT100ESW001 | Acidity, Total | 3.2 | MG/L | J | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 9/17/2004 0:00 | 091704UT100ESW001 | Alkalinity, Total | 41.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 9/17/2004 0:00 | 091704UT100ESW001 | Aluminum | 13.5 | UG/L | BQ1,J | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 9/17/2004 0:00 | 091704UT100ESW001 | Aluminum | 14.5 | UG/L | BQ,BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 9/17/2004 0:00 | 091704UT100ESW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 9/17/2004 0:00 | 091704UT100ESW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 9/17/2004 0:00 | 091704UT100ESW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 9/17/2004 0:00 | 091704UT100ESW001 | Arsenic | 0.326 | UG/L | J | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 9/17/2004 0:00 | 091704UT100ESW001 | Barium | 4.7 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 9/17/2004 0:00 | 091704UT100ESW001 | Barium | 4.94 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 9/17/2004 0:00 | 091704UT100ESW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 9/17/2004 0:00 | 091704UT100ESW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 9/17/2004 0:00 | 091704UT100ESW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 9/17/2004 0:00 | 091704UT100ESW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 9/17/2004 0:00 | 091704UT100ESW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT100E | 9/17/2004 0:00 | 091704UT100ESW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 9/17/2004 0:00 | 091704UT100ESW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 9/17/2004 0:00 | 091704UT100ESW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 9/17/2004 0:00 | 091704UT100ESW001 | Calcium | 8600 | UG/L | J | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 9/17/2004 0:00 | 091704UT100ESW001 | Calcium | 10900 | UG/L | J | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 9/17/2004 0:00 | 091704UT100ESW001 | Chloride | 0.744 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 9/17/2004 0:00 | 091704UT100ESW001 | Chromium | 0.174 | UG/L | J | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 9/17/2004 0:00 | 091704UT100ESW001 | Chromium | 0.165 | UG/L | J | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 9/17/2004 0:00 | 091704UT100ESW001 | Cobalt | 0.0376 | UG/L | BQ1,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 9/17/2004 0:00 | 091704UT100ESW001 | Cobalt | 2.69 | UG/L | J,BQ1 | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 9/17/2004 0:00 | 091704UT100ESW001 | Copper | 0.173 | UG/L | BQ1,J | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 9/17/2004 0:00 | 091704UT100ESW001 | Copper | 0.207 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 9/17/2004 0:00 | 091704UT100ESW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 9/17/2004 0:00 | 091704UT100ESW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 9/17/2004 0:00 | 091704UT100ESW001 | Fluoride | 0.076 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 9/17/2004 0:00 | 091704UT100ESW001 | Hardness as CaCO3 | 32.8 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 9/17/2004 0:00 | 091704UT100ESW001 | Hardness as CaCO3 | 40.5 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 9/17/2004 0:00 | 091704UT100ESW001 | Iron | 119 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 9/17/2004 0:00 | 091704UT100ESW001 | Iron | 16.4 | UG/L | J | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 9/17/2004 0:00 | 091704UT100ESW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 9/17/2004 0:00 | 091704UT100ESW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 9/17/2004 0:00 | 091704UT100ESW001 | Magnesium | 2760 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 9/17/2004 0:00 | 091704UT100ESW001 | Magnesium | 3230 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 9/17/2004 0:00 | 091704UT100ESW001 | Manganese | 2.18 | UG/L | J,BQ1 | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 9/17/2004 0:00 | 091704UT100ESW001 | Manganese | 4.98 | UG/L | J | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 9/17/2004 0:00 | 091704UT100ESW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 9/17/2004 0:00 | 091704UT100ESW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 9/17/2004 0:00 | 091704UT100ESW001 | Nickel | 0.341 | UG/L | J,BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 9/17/2004 0:00 | 091704UT100ESW001 | Nickel | 0.557 | UG/L | J | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 9/17/2004 0:00 | 091704UT100ESW001 | Nitrogen, Ammonia (as N) | 0.043 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT100E | 9/17/2004 0:00 | 091704UT100ESW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | R | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 9/17/2004 0:00 | 091704UT100ESW001 | pH | 7.2 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 9/17/2004 0:00 | 091704UT100ESW001 | Phosphorus, Total (as P) | 0.04 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 9/17/2004 0:00 | 091704UT100ESW001 | Potassium | 506 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 9/17/2004 0:00 | 091704UT100ESW001 | Potassium | 559 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 9/17/2004 0:00 | 091704UT100ESW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 9/17/2004 0:00 | 091704UT100ESW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 9/17/2004 0:00 | 091704UT100ESW001 | Silicon | 7900 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 9/17/2004 0:00 | 091704UT100ESW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 9/17/2004 0:00 | 091704UT100ESW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 9/17/2004 0:00 | 091704UT100ESW001 | Sodium | 3070 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 9/17/2004 0:00 | 091704UT100ESW001 | Sodium | 3540 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 9/17/2004 0:00 | 091704UT100ESW001 | Specific Conductance | 100 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 9/17/2004 0:00 | 091704UT100ESW001 | Sulfate | 7.76 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 9/17/2004 0:00 | 091704UT100ESW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 9/17/2004 0:00 | 091704UT100ESW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 9/17/2004 0:00 | 091704UT100ESW001 | Thiocyanate | 0.2 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 9/17/2004 0:00 | 091704UT100ESW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 9/17/2004 0:00 | 091704UT100ESW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 9/17/2004 0:00 | 091704UT100ESW001 | Total Dissolved Solids | 67.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 9/17/2004 0:00 | 091704UT100ESW001 | Total Suspended Solids | 0.6 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 9/17/2004 0:00 | 091704UT100ESW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 9/17/2004 0:00 | 091704UT100ESW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 9/17/2004 0:00 | 091704UT100ESW001 | Zinc | 0 | UG/L | | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 9/17/2004 0:00 | 091704UT100ESW001 | Zinc | 1.41 | UG/L | BQ1,J | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 10/18/2004 0:00 | 101804UT100ESW001 | Acidity, Total | 3.2 | MG/L | J | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 10/18/2004 0:00 | 101804UT100ESW001 | Alkalinity, Total | 42 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 10/18/2004 0:00 | 101804UT100ESW001 | Aluminum | 23.9 | UG/L | BQ,BQ1,J | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 10/18/2004 0:00 | 101804UT100ESW001 | Aluminum | 11.5 | UG/L | BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 10/18/2004 0:00 | 101804UT100ESW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |

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Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT100E | 10/18/2004 0:00 | 101804UT100ESW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 10/18/2004 0:00 | 101804UT100ESW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 10/18/2004 0:00 | 101804UT100ESW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 10/18/2004 0:00 | 101804UT100ESW001 | Barium | 4.94 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 10/18/2004 0:00 | 101804UT100ESW001 | Barium | 4.8 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 10/18/2004 0:00 | 101804UT100ESW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 10/18/2004 0:00 | 101804UT100ESW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 10/18/2004 0:00 | 101804UT100ESW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 10/18/2004 0:00 | 101804UT100ESW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 10/18/2004 0:00 | 101804UT100ESW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 10/18/2004 0:00 | 101804UT100ESW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 10/18/2004 0:00 | 101804UT100ESW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 10/18/2004 0:00 | 101804UT100ESW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 10/18/2004 0:00 | 101804UT100ESW001 | Calcium | 8780 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 10/18/2004 0:00 | 101804UT100ESW001 | Calcium | 8570 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 10/18/2004 0:00 | 101804UT100ESW001 | Chloride | 1.03 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 10/18/2004 0:00 | 101804UT100ESW001 | Chromium | 0.256 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 10/18/2004 0:00 | 101804UT100ESW001 | Chromium | 0.226 | UG/L | BQ1 | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 10/18/2004 0:00 | 101804UT100ESW001 | Cobalt | 0.0469 | UG/L | BQ1,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 10/18/2004 0:00 | 101804UT100ESW001 | Cobalt | 0.656 | UG/L | BQ1,J | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 10/18/2004 0:00 | 101804UT100ESW001 | Copper | 0.274 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 10/18/2004 0:00 | 101804UT100ESW001 | Copper | 0.368 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 10/18/2004 0:00 | 101804UT100ESW001 | Cyanide | 0.004 | MG/L | J | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 10/18/2004 0:00 | 101804UT100ESW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 10/18/2004 0:00 | 101804UT100ESW001 | Fluoride | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 10/18/2004 0:00 | 101804UT100ESW001 | Hardness as CaCO3 | 33.7 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 10/18/2004 0:00 | 101804UT100ESW001 | Iron | 80.3 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 10/18/2004 0:00 | 101804UT100ESW001 | Iron | 30.6 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 10/18/2004 0:00 | 101804UT100ESW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 10/18/2004 0:00 | 101804UT100ESW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT100E | 10/18/2004 0:00 | 101804UT100ESW001 | Magnesium | 3000 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 10/18/2004 0:00 | 101804UT100ESW001 | Magnesium | 3070 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 10/18/2004 0:00 | 101804UT100ESW001 | Manganese | 6.9 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 10/18/2004 0:00 | 101804UT100ESW001 | Manganese | 3.59 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 10/18/2004 0:00 | 101804UT100ESW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 10/18/2004 0:00 | 101804UT100ESW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 10/18/2004 0:00 | 101804UT100ESW001 | Nickel | 0.289 | UG/L | J | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 10/18/2004 0:00 | 101804UT100ESW001 | Nickel | 0.494 | UG/L | J | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 10/18/2004 0:00 | 101804UT100ESW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 10/18/2004 0:00 | 101804UT100ESW001 | Nitrogen, Nitrate-Nitrite | 0.44 | MG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 10/18/2004 0:00 | 101804UT100ESW001 | pH | 7.18 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 10/18/2004 0:00 | 101804UT100ESW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 10/18/2004 0:00 | 101804UT100ESW001 | Potassium | 426 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 10/18/2004 0:00 | 101804UT100ESW001 | Potassium | 433 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 10/18/2004 0:00 | 101804UT100ESW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 10/18/2004 0:00 | 101804UT100ESW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 10/18/2004 0:00 | 101804UT100ESW001 | Silicon | 7200 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 10/18/2004 0:00 | 101804UT100ESW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 10/18/2004 0:00 | 101804UT100ESW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 10/18/2004 0:00 | 101804UT100ESW001 | Sodium | 2950 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 10/18/2004 0:00 | 101804UT100ESW001 | Sodium | 3040 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 10/18/2004 0:00 | 101804UT100ESW001 | Specific Conductance | 100 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 10/18/2004 0:00 | 101804UT100ESW001 | Sulfate | 7.06 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 10/18/2004 0:00 | 101804UT100ESW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 10/18/2004 0:00 | 101804UT100ESW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 10/18/2004 0:00 | 101804UT100ESW001 | Thiocyanate | 0 | MG/L | | 1 | 0.059 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 10/18/2004 0:00 | 101804UT100ESW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 10/18/2004 0:00 | 101804UT100ESW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 10/18/2004 0:00 | 101804UT100ESW001 | Total Dissolved Solids | 28.8 | MG/L | BQ | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 10/18/2004 0:00 | 101804UT100ESW001 | Total Suspended Solids | 0.9 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT100E | 10/18/2004 0:00 | 101804UT100ESW001 | Vanadium | 0.253 | UG/L | J | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 10/18/2004 0:00 | 101804UT100ESW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT100E | 10/18/2004 0:00 | 101804UT100ESW001 | Zinc | 1.17 | UG/L | BQ1,J | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT100E | 10/18/2004 0:00 | 101804UT100ESW001 | Zinc | 1.88 | UG/L | BQ,BQ1 | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 4/30/2004 0:00 | 043004UT119ASW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 4/30/2004 0:00 | 043004UT119ASW001 | Alkalinity, Total | 27 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 4/30/2004 0:00 | 043004UT119ASW001 | Aluminum | 41.7 | UG/L | | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 4/30/2004 0:00 | 043004UT119ASW001 | Aluminum | 17.5 | UG/L | J, BQ1 | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 4/30/2004 0:00 | 043004UT119ASW001 | Antimony | 0.0902 | UG/L | J, BQ1 | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 4/30/2004 0:00 | 043004UT119ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 4/30/2004 0:00 | 043004UT119ASW001 | Arsenic | 1.78 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 4/30/2004 0:00 | 043004UT119ASW001 | Arsenic | 1.56 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 4/30/2004 0:00 | 043004UT119ASW001 | Barium | 2.16 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 4/30/2004 0:00 | 043004UT119ASW001 | Barium | 2.36 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 4/30/2004 0:00 | 043004UT119ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 4/30/2004 0:00 | 043004UT119ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 4/30/2004 0:00 | 043004UT119ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 4/30/2004 0:00 | 043004UT119ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 4/30/2004 0:00 | 043004UT119ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 4/30/2004 0:00 | 043004UT119ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 4/30/2004 0:00 | 043004UT119ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 4/30/2004 0:00 | 043004UT119ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 4/30/2004 0:00 | 043004UT119ASW001 | Calcium | 7320 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 4/30/2004 0:00 | 043004UT119ASW001 | Calcium | 7740 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 4/30/2004 0:00 | 043004UT119ASW001 | Chloride | 0.874 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 4/30/2004 0:00 | 043004UT119ASW001 | Chromium | 0.319 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 4/30/2004 0:00 | 043004UT119ASW001 | Chromium | 0.388 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 4/30/2004 0:00 | 043004UT119ASW001 | Cobalt | 0.0359 | UG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 4/30/2004 0:00 | 043004UT119ASW001 | Cobalt | 0.316 | UG/L | J | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 4/30/2004 0:00 | 043004UT119ASW001 | Copper | 0.411 | UG/L | BQ | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT119A | 4/30/2004 0:00 | 043004UT119ASW001 | Copper | 0.259 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 4/30/2004 0:00 | 043004UT119ASW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 4/30/2004 0:00 | 043004UT119ASW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 4/30/2004 0:00 | 043004UT119ASW001 | Fluoride | 0.042 | MG/L | J, BQ | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 4/30/2004 0:00 | 043004UT119ASW001 | Hardness as CaCO3 | 22.9 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 4/30/2004 0:00 | 043004UT119ASW001 | Hardness as CaCO3 | 24 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 4/30/2004 0:00 | 043004UT119ASW001 | Iron | 42 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 4/30/2004 0:00 | 043004UT119ASW001 | Iron | 17.3 | UG/L | J | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 4/30/2004 0:00 | 043004UT119ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 4/30/2004 0:00 | 043004UT119ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 4/30/2004 0:00 | 043004UT119ASW001 | Magnesium | 1110 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 4/30/2004 0:00 | 043004UT119ASW001 | Magnesium | 1150 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 4/30/2004 0:00 | 043004UT119ASW001 | Manganese | 3.84 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 4/30/2004 0:00 | 043004UT119ASW001 | Manganese | 2.08 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 4/30/2004 0:00 | 043004UT119ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 4/30/2004 0:00 | 043004UT119ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 4/30/2004 0:00 | 043004UT119ASW001 | Nickel | 0.199 | UG/L | J | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 4/30/2004 0:00 | 043004UT119ASW001 | Nickel | 0.314 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 4/30/2004 0:00 | 043004UT119ASW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 4/30/2004 0:00 | 043004UT119ASW001 | Nitrogen, Nitrate-Nitrite | 0.323 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 4/30/2004 0:00 | 043004UT119ASW001 | pH | 7.1 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 4/30/2004 0:00 | 043004UT119ASW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 4/30/2004 0:00 | 043004UT119ASW001 | Potassium | 395 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 4/30/2004 0:00 | 043004UT119ASW001 | Potassium | 445 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 4/30/2004 0:00 | 043004UT119ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 4/30/2004 0:00 | 043004UT119ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 4/30/2004 0:00 | 043004UT119ASW001 | Silicon | 4590 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 4/30/2004 0:00 | 043004UT119ASW001 | Silver | 0 | UG/L | J | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 4/30/2004 0:00 | 043004UT119ASW001 | Silver | 0.0372 | UG/L | J | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 4/30/2004 0:00 | 043004UT119ASW001 | Sodium | 1950 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |

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Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT119A | 4/30/2004 0:00 | 043004UT119ASW001 | Sodium | 2080 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 4/30/2004 0:00 | 043004UT119ASW001 | Specific Conductance | 70 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 4/30/2004 0:00 | 043004UT119ASW001 | Sulfate | 3.94 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 4/30/2004 0:00 | 043004UT119ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 4/30/2004 0:00 | 043004UT119ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 4/30/2004 0:00 | 043004UT119ASW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 4/30/2004 0:00 | 043004UT119ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 4/30/2004 0:00 | 043004UT119ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 4/30/2004 0:00 | 043004UT119ASW001 | Total Dissolved Solids | 45 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 4/30/2004 0:00 | 043004UT119ASW001 | Total Suspended Solids | 1.79 | MG/L | | 0.526 | 0.158 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 4/30/2004 0:00 | 043004UT119ASW001 | Vanadium | 0.588 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 4/30/2004 0:00 | 043004UT119ASW001 | Vanadium | 0.948 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 4/30/2004 0:00 | 043004UT119ASW001 | Zinc | 2.62 | UG/L | | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 4/30/2004 0:00 | 043004UT119ASW001 | Zinc | 1.95 | UG/L | | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 5/20/2004 0:00 | 052004UT119ASW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 5/20/2004 0:00 | 052004UT119ASW001 | Alkalinity, Total | 31 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 5/20/2004 0:00 | 052004UT119ASW001 | Aluminum | 25 | UG/L | | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 5/20/2004 0:00 | 052004UT119ASW001 | Aluminum | 9.99 | UG/L | J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 5/20/2004 0:00 | 052004UT119ASW001 | Antimony | 0.104 | UG/L | J,BQ1 | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 5/20/2004 0:00 | 052004UT119ASW001 | Antimony | 0.163 | UG/L | J,BQ1,BQ | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 5/20/2004 0:00 | 052004UT119ASW001 | Arsenic | 1.76 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 5/20/2004 0:00 | 052004UT119ASW001 | Arsenic | 1.83 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 5/20/2004 0:00 | 052004UT119ASW001 | Barium | 2 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 5/20/2004 0:00 | 052004UT119ASW001 | Barium | 1.77 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 5/20/2004 0:00 | 052004UT119ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 5/20/2004 0:00 | 052004UT119ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 5/20/2004 0:00 | 052004UT119ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 5/20/2004 0:00 | 052004UT119ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 5/20/2004 0:00 | 052004UT119ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 5/20/2004 0:00 | 052004UT119ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |

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Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT119A | 5/20/2004 0:00 | 052004UT119ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 5/20/2004 0:00 | 052004UT119ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 5/20/2004 0:00 | 052004UT119ASW001 | Calcium | 8940 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 5/20/2004 0:00 | 052004UT119ASW001 | Calcium | 8280 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 5/20/2004 0:00 | 052004UT119ASW001 | Chloride | 0.82 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 5/20/2004 0:00 | 052004UT119ASW001 | Chromium | 0.34 | UG/L | BQ1 | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 5/20/2004 0:00 | 052004UT119ASW001 | Chromium | 0.312 | UG/L | BQ1 | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 5/20/2004 0:00 | 052004UT119ASW001 | Cobalt | 0.033 | UG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 5/20/2004 0:00 | 052004UT119ASW001 | Cobalt | 2.2 | UG/L | J+ | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 5/20/2004 0:00 | 052004UT119ASW001 | Copper | 0.182 | UG/L | J,BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 5/20/2004 0:00 | 052004UT119ASW001 | Copper | 0.174 | UG/L | J,BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 5/20/2004 0:00 | 052004UT119ASW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 5/20/2004 0:00 | 052004UT119ASW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 5/20/2004 0:00 | 052004UT119ASW001 | Fluoride | 0.088 | MG/L | J,BQ | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 5/20/2004 0:00 | 052004UT119ASW001 | Hardness as CaCO3 | 25.6 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 5/20/2004 0:00 | 052004UT119ASW001 | Hardness as CaCO3 | 27.3 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 5/20/2004 0:00 | 052004UT119ASW001 | Iron | 93.6 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 5/20/2004 0:00 | 052004UT119ASW001 | Iron | 67.5 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 5/20/2004 0:00 | 052004UT119ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 5/20/2004 0:00 | 052004UT119ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 5/20/2004 0:00 | 052004UT119ASW001 | Magnesium | 1210 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 5/20/2004 0:00 | 052004UT119ASW001 | Magnesium | 1200 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 5/20/2004 0:00 | 052004UT119ASW001 | Manganese | 1.5 | UG/L | J | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 5/20/2004 0:00 | 052004UT119ASW001 | Manganese | 3.69 | UG/L | J | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 5/20/2004 0:00 | 052004UT119ASW001 | Molybdenum | 0.346 | UG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 5/20/2004 0:00 | 052004UT119ASW001 | Molybdenum | 0.315 | UG/L | J | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 5/20/2004 0:00 | 052004UT119ASW001 | Nickel | 0.282 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 5/20/2004 0:00 | 052004UT119ASW001 | Nickel | 0.39 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 5/20/2004 0:00 | 052004UT119ASW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 5/20/2004 0:00 | 052004UT119ASW001 | Nitrogen, Nitrate-Nitrite | 0.062 | MG/L | J- | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |

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Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT119A | 5/20/2004 0:00 | 052004UT119ASW001 | pH | 7.4 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 5/20/2004 0:00 | 052004UT119ASW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 5/20/2004 0:00 | 052004UT119ASW001 | Potassium | 323 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 5/20/2004 0:00 | 052004UT119ASW001 | Potassium | 330 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 5/20/2004 0:00 | 052004UT119ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 5/20/2004 0:00 | 052004UT119ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 5/20/2004 0:00 | 052004UT119ASW001 | Silicon | 4760 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 5/20/2004 0:00 | 052004UT119ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 5/20/2004 0:00 | 052004UT119ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 5/20/2004 0:00 | 052004UT119ASW001 | Sodium | 2060 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 5/20/2004 0:00 | 052004UT119ASW001 | Sodium | 2100 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 5/20/2004 0:00 | 052004UT119ASW001 | Specific Conductance | 70 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 5/20/2004 0:00 | 052004UT119ASW001 | Sulfate | 3.94 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 5/20/2004 0:00 | 052004UT119ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 5/20/2004 0:00 | 052004UT119ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 5/20/2004 0:00 | 052004UT119ASW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 5/20/2004 0:00 | 052004UT119ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 5/20/2004 0:00 | 052004UT119ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 5/20/2004 0:00 | 052004UT119ASW001 | Total Dissolved Solids | 67.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 5/20/2004 0:00 | 052004UT119ASW001 | Total Suspended Solids | 0.7 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 5/20/2004 0:00 | 052004UT119ASW001 | Vanadium | 1.37 | UG/L | BQ | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 5/20/2004 0:00 | 052004UT119ASW001 | Vanadium | 1.2 | UG/L | BQ1 | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 5/20/2004 0:00 | 052004UT119ASW001 | Zinc | 0.504 | UG/L | J,BQ1 | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 5/20/2004 0:00 | 052004UT119ASW001 | Zinc | 0.626 | UG/L | J,BQ1 | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 6/4/2004 0:00 | 060404UT119ASW001 | Alkalinity, Total | 34 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 6/17/2004 0:00 | 061704UT119ASW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 6/17/2004 0:00 | 061704UT119ASW001 | Alkalinity, Total | 31 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 6/17/2004 0:00 | 061704UT119ASW001 | Aluminum | 54.6 | UG/L | | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 6/17/2004 0:00 | 061704UT119ASW001 | Aluminum | 10.5 | UG/L | BQ,BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 6/17/2004 0:00 | 061704UT119ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |

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Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT119A | 6/17/2004 0:00 | 061704UT119ASW001 | Antimony | 1.24 | UG/L | J | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 6/17/2004 0:00 | 061704UT119ASW001 | Arsenic | 2.16 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 6/17/2004 0:00 | 061704UT119ASW001 | Arsenic | 1.94 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 6/17/2004 0:00 | 061704UT119ASW001 | Barium | 3.32 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 6/17/2004 0:00 | 061704UT119ASW001 | Barium | 2.81 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 6/17/2004 0:00 | 061704UT119ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 6/17/2004 0:00 | 061704UT119ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 6/17/2004 0:00 | 061704UT119ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 6/17/2004 0:00 | 061704UT119ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 6/17/2004 0:00 | 061704UT119ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 6/17/2004 0:00 | 061704UT119ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 6/17/2004 0:00 | 061704UT119ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 6/17/2004 0:00 | 061704UT119ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 6/17/2004 0:00 | 061704UT119ASW001 | Calcium | 7910 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 6/17/2004 0:00 | 061704UT119ASW001 | Calcium | 8350 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 6/17/2004 0:00 | 061704UT119ASW001 | Chloride | 0.819 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 6/17/2004 0:00 | 061704UT119ASW001 | Chromium | 0.342 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 6/17/2004 0:00 | 061704UT119ASW001 | Chromium | 0.379 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 6/17/2004 0:00 | 061704UT119ASW001 | Cobalt | 0.0381 | UG/L | BQ1,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 6/17/2004 0:00 | 061704UT119ASW001 | Cobalt | 2.55 | UG/L | BQ1,J | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 6/17/2004 0:00 | 061704UT119ASW001 | Copper | 0.224 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 6/17/2004 0:00 | 061704UT119ASW001 | Copper | 0.307 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 6/17/2004 0:00 | 061704UT119ASW001 | Cyanide | 0.004 | MG/L | J | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 6/17/2004 0:00 | 061704UT119ASW001 | Cyanide, Weak Acid Dissociable | 0.004 | MG/L | J | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 6/17/2004 0:00 | 061704UT119ASW001 | Fluoride | 0.144 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 6/17/2004 0:00 | 061704UT119ASW001 | Hardness as CaCO3 | 24.1 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 6/17/2004 0:00 | 061704UT119ASW001 | Hardness as CaCO3 | 25.6 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 6/17/2004 0:00 | 061704UT119ASW001 | Iron | 80.3 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 6/17/2004 0:00 | 061704UT119ASW001 | Iron | 20.1 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 6/17/2004 0:00 | 061704UT119ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT119A | 6/17/2004 0:00 | 061704UT119ASW001 | Lead | 0.213 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 6/17/2004 0:00 | 061704UT119ASW001 | Magnesium | 1050 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 6/17/2004 0:00 | 061704UT119ASW001 | Magnesium | 1140 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 6/17/2004 0:00 | 061704UT119ASW001 | Manganese | 3.62 | UG/L | BQ1 | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 6/17/2004 0:00 | 061704UT119ASW001 | Manganese | 4.4 | UG/L | BQ1 | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 6/17/2004 0:00 | 061704UT119ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 6/17/2004 0:00 | 061704UT119ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 6/17/2004 0:00 | 061704UT119ASW001 | Nickel | 0.287 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 6/17/2004 0:00 | 061704UT119ASW001 | Nickel | 0.413 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 6/17/2004 0:00 | 061704UT119ASW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 6/17/2004 0:00 | 061704UT119ASW001 | Nitrogen, Nitrate-Nitrite | 0.118 | MG/L | J- | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 6/17/2004 0:00 | 061704UT119ASW001 | pH | 7.27 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 6/17/2004 0:00 | 061704UT119ASW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 6/17/2004 0:00 | 061704UT119ASW001 | Potassium | 312 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 6/17/2004 0:00 | 061704UT119ASW001 | Potassium | 317 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 6/17/2004 0:00 | 061704UT119ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 6/17/2004 0:00 | 061704UT119ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 6/17/2004 0:00 | 061704UT119ASW001 | Silicon | 5130 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 6/17/2004 0:00 | 061704UT119ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 6/17/2004 0:00 | 061704UT119ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 6/17/2004 0:00 | 061704UT119ASW001 | Sodium | 1940 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 6/17/2004 0:00 | 061704UT119ASW001 | Sodium | 1920 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 6/17/2004 0:00 | 061704UT119ASW001 | Specific Conductance | 70 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 6/17/2004 0:00 | 061704UT119ASW001 | Sulfate | 4.25 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 6/17/2004 0:00 | 061704UT119ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 6/17/2004 0:00 | 061704UT119ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 6/17/2004 0:00 | 061704UT119ASW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 6/17/2004 0:00 | 061704UT119ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 6/17/2004 0:00 | 061704UT119ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 6/17/2004 0:00 | 061704UT119ASW001 | Total Dissolved Solids | 45 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT119A | 6/17/2004 0:00 | 061704UT119ASW001 | Total Suspended Solids | 2.42 | MG/L | | 0.526 | 0.158 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 6/17/2004 0:00 | 061704UT119ASW001 | Vanadium | 1.1 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 6/17/2004 0:00 | 061704UT119ASW001 | Vanadium | 1.03 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 6/17/2004 0:00 | 061704UT119ASW001 | Zinc | 1.97 | UG/L | BQ1 | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 6/17/2004 0:00 | 061704UT119ASW001 | Zinc | 2.93 | UG/L | BQ | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 7/15/2004 0:00 | 071504UT119ASW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 7/15/2004 0:00 | 071504UT119ASW001 | Alkalinity, Total | 33.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 7/15/2004 0:00 | 071504UT119ASW001 | Aluminum | 14.5 | UG/L | BQ,BQ1,J | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 7/15/2004 0:00 | 071504UT119ASW001 | Aluminum | 8.99 | UG/L | BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 7/15/2004 0:00 | 071504UT119ASW001 | Antimony | 0.131 | UG/L | BQ1,J | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 7/15/2004 0:00 | 071504UT119ASW001 | Antimony | 5.59 | UG/L | J | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 7/15/2004 0:00 | 071504UT119ASW001 | Arsenic | 2.27 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 7/15/2004 0:00 | 071504UT119ASW001 | Arsenic | 2.25 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 7/15/2004 0:00 | 071504UT119ASW001 | Barium | 2.5 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 7/15/2004 0:00 | 071504UT119ASW001 | Barium | 2.6 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 7/15/2004 0:00 | 071504UT119ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 7/15/2004 0:00 | 071504UT119ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 7/15/2004 0:00 | 071504UT119ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 7/15/2004 0:00 | 071504UT119ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 7/15/2004 0:00 | 071504UT119ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 7/15/2004 0:00 | 071504UT119ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 7/15/2004 0:00 | 071504UT119ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 7/15/2004 0:00 | 071504UT119ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 7/15/2004 0:00 | 071504UT119ASW001 | Calcium | 8790 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 7/15/2004 0:00 | 071504UT119ASW001 | Calcium | 9120 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 7/15/2004 0:00 | 071504UT119ASW001 | Chloride | 0.965 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 7/15/2004 0:00 | 071504UT119ASW001 | Chromium | 0.304 | UG/L | BQ1 | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 7/15/2004 0:00 | 071504UT119ASW001 | Chromium | 0.365 | UG/L | BQ1 | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 7/15/2004 0:00 | 071504UT119ASW001 | Cobalt | 0.0314 | UG/L | BQ1,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 7/15/2004 0:00 | 071504UT119ASW001 | Cobalt | 0.604 | UG/L | BQ1,J | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |

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Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT119A | 7/15/2004 0:00 | 071504UT119ASW001 | Copper | 0.17 | UG/L | BQ1,J | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 7/15/2004 0:00 | 071504UT119ASW001 | Copper | 0.194 | UG/L | BQ1,J | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 7/15/2004 0:00 | 071504UT119ASW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 7/15/2004 0:00 | 071504UT119ASW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 7/15/2004 0:00 | 071504UT119ASW001 | Fluoride | 0.06 | MG/L | BQ,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 7/15/2004 0:00 | 071504UT119ASW001 | Hardness as CaCO3 | 27.4 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 7/15/2004 0:00 | 071504UT119ASW001 | Hardness as CaCO3 | 28.9 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 7/15/2004 0:00 | 071504UT119ASW001 | Iron | 17.9 | UG/L | BQ1,J | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 7/15/2004 0:00 | 071504UT119ASW001 | Iron | 10.8 | UG/L | BQ1,J | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 7/15/2004 0:00 | 071504UT119ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 7/15/2004 0:00 | 071504UT119ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 7/15/2004 0:00 | 071504UT119ASW001 | Magnesium | 1320 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 7/15/2004 0:00 | 071504UT119ASW001 | Magnesium | 1490 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 7/15/2004 0:00 | 071504UT119ASW001 | Manganese | 0.966 | UG/L | J | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 7/15/2004 0:00 | 071504UT119ASW001 | Manganese | 1.36 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 7/15/2004 0:00 | 071504UT119ASW001 | Molybdenum | 0.367 | UG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 7/15/2004 0:00 | 071504UT119ASW001 | Molybdenum | 0.426 | UG/L | J | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 7/15/2004 0:00 | 071504UT119ASW001 | Nickel | 0 | UG/L | J | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 7/15/2004 0:00 | 071504UT119ASW001 | Nickel | 0.441 | UG/L | BQ1,J | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 7/15/2004 0:00 | 071504UT119ASW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 7/15/2004 0:00 | 071504UT119ASW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | | 2 | 0.62 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 7/15/2004 0:00 | 071504UT119ASW001 | pH | 7.43 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 7/15/2004 0:00 | 071504UT119ASW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 7/15/2004 0:00 | 071504UT119ASW001 | Potassium | 319 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 7/15/2004 0:00 | 071504UT119ASW001 | Potassium | 369 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 7/15/2004 0:00 | 071504UT119ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 7/15/2004 0:00 | 071504UT119ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 7/15/2004 0:00 | 071504UT119ASW001 | Silicon | 5610 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 7/15/2004 0:00 | 071504UT119ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 7/15/2004 0:00 | 071504UT119ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT119A | 7/15/2004 0:00 | 071504UT119ASW001 | Sodium | 2150 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 7/15/2004 0:00 | 071504UT119ASW001 | Sodium | 2430 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 7/15/2004 0:00 | 071504UT119ASW001 | Specific Conductance | 81 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 7/15/2004 0:00 | 071504UT119ASW001 | Sulfate | 4.67 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 7/15/2004 0:00 | 071504UT119ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 7/15/2004 0:00 | 071504UT119ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 7/15/2004 0:00 | 071504UT119ASW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 7/15/2004 0:00 | 071504UT119ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 7/15/2004 0:00 | 071504UT119ASW001 | Tin | 0.427 | UG/L | J | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 7/15/2004 0:00 | 071504UT119ASW001 | Total Dissolved Solids | 53.8 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 7/15/2004 0:00 | 071504UT119ASW001 | Total Suspended Solids | 0.8 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 7/15/2004 0:00 | 071504UT119ASW001 | Vanadium | 0.982 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 7/15/2004 0:00 | 071504UT119ASW001 | Vanadium | 0.873 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 7/15/2004 0:00 | 071504UT119ASW001 | Zinc | 0 | UG/L | | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 7/15/2004 0:00 | 071504UT119ASW001 | Zinc | 0.837 | UG/L | BQ1,J | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 8/15/2004 0:00 | 081504UT119ASW001 | Alkalinity, Total | 32.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 8/26/2004 0:00 | 082604UT119ASW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 8/26/2004 0:00 | 082604UT119ASW001 | Alkalinity, Total | 32 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 8/26/2004 0:00 | 082604UT119ASW001 | Aluminum | 17.7 | UG/L | BQ,BQ1,J | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 8/26/2004 0:00 | 082604UT119ASW001 | Aluminum | 15.4 | UG/L | BQ,BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 8/26/2004 0:00 | 082604UT119ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 8/26/2004 0:00 | 082604UT119ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 8/26/2004 0:00 | 082604UT119ASW001 | Arsenic | 2.25 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 8/26/2004 0:00 | 082604UT119ASW001 | Arsenic | 2.05 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 8/26/2004 0:00 | 082604UT119ASW001 | Barium | 2.48 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 8/26/2004 0:00 | 082604UT119ASW001 | Barium | 3.07 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 8/26/2004 0:00 | 082604UT119ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 8/26/2004 0:00 | 082604UT119ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 8/26/2004 0:00 | 082604UT119ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 8/26/2004 0:00 | 082604UT119ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT119A | 8/26/2004 0:00 | 082604UT119ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 8/26/2004 0:00 | 082604UT119ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 8/26/2004 0:00 | 082604UT119ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 8/26/2004 0:00 | 082604UT119ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 8/26/2004 0:00 | 082604UT119ASW001 | Calcium | 9170 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 8/26/2004 0:00 | 082604UT119ASW001 | Calcium | 9200 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 8/26/2004 0:00 | 082604UT119ASW001 | Chloride | 1.02 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 8/26/2004 0:00 | 082604UT119ASW001 | Chromium | 0.373 | UG/L | BQ1 | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 8/26/2004 0:00 | 082604UT119ASW001 | Chromium | 0.401 | UG/L | BQ1 | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 8/26/2004 0:00 | 082604UT119ASW001 | Cobalt | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 8/26/2004 0:00 | 082604UT119ASW001 | Cobalt | 0.341 | UG/L | BQ1 | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 8/26/2004 0:00 | 082604UT119ASW001 | Copper | 0.191 | UG/L | BQ1,J | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 8/26/2004 0:00 | 082604UT119ASW001 | Copper | 0.192 | UG/L | BQ1,J | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 8/26/2004 0:00 | 082604UT119ASW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 8/26/2004 0:00 | 082604UT119ASW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 8/26/2004 0:00 | 082604UT119ASW001 | Fluoride | 0.092 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 8/26/2004 0:00 | 082604UT119ASW001 | Hardness as CaCO3 | 28.3 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 8/26/2004 0:00 | 082604UT119ASW001 | Hardness as CaCO3 | 28.7 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 8/26/2004 0:00 | 082604UT119ASW001 | Iron | 24 | UG/L | BQ1 | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 8/26/2004 0:00 | 082604UT119ASW001 | Iron | 10.5 | UG/L | BQ1,J | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 8/26/2004 0:00 | 082604UT119ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 8/26/2004 0:00 | 082604UT119ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 8/26/2004 0:00 | 082604UT119ASW001 | Magnesium | 1310 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 8/26/2004 0:00 | 082604UT119ASW001 | Magnesium | 1380 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 8/26/2004 0:00 | 082604UT119ASW001 | Manganese | 1.14 | UG/L | BQ1 | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 8/26/2004 0:00 | 082604UT119ASW001 | Manganese | 1.13 | UG/L | BQ1 | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 8/26/2004 0:00 | 082604UT119ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 8/26/2004 0:00 | 082604UT119ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 8/26/2004 0:00 | 082604UT119ASW001 | Nickel | 0.266 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 8/26/2004 0:00 | 082604UT119ASW001 | Nickel | 0.32 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT119A | 8/26/2004 0:00 | 082604UT119ASW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 8/26/2004 0:00 | 082604UT119ASW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 8/26/2004 0:00 | 082604UT119ASW001 | pH | 7.76 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 8/26/2004 0:00 | 082604UT119ASW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 8/26/2004 0:00 | 082604UT119ASW001 | Potassium | 411 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 8/26/2004 0:00 | 082604UT119ASW001 | Potassium | 425 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 8/26/2004 0:00 | 082604UT119ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 8/26/2004 0:00 | 082604UT119ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 8/26/2004 0:00 | 082604UT119ASW001 | Silicon | 6250 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 8/26/2004 0:00 | 082604UT119ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 8/26/2004 0:00 | 082604UT119ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 8/26/2004 0:00 | 082604UT119ASW001 | Sodium | 2130 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 8/26/2004 0:00 | 082604UT119ASW001 | Sodium | 2160 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 8/26/2004 0:00 | 082604UT119ASW001 | Specific Conductance | 80 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 8/26/2004 0:00 | 082604UT119ASW001 | Sulfate | 4.95 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 8/26/2004 0:00 | 082604UT119ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 8/26/2004 0:00 | 082604UT119ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 8/26/2004 0:00 | 082604UT119ASW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 8/26/2004 0:00 | 082604UT119ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 8/26/2004 0:00 | 082604UT119ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 8/26/2004 0:00 | 082604UT119ASW001 | Total Dissolved Solids | 63.8 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 8/26/2004 0:00 | 082604UT119ASW001 | Total Suspended Solids | 0 | MG/L | | 0.513 | 0.154 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 8/26/2004 0:00 | 082604UT119ASW001 | Vanadium | 0.965 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 8/26/2004 0:00 | 082604UT119ASW001 | Vanadium | 0.935 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 8/26/2004 0:00 | 082604UT119ASW001 | Zinc | 0 | UG/L | | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 8/26/2004 0:00 | 082604UT119ASW001 | Zinc | 3.09 | UG/L | BQ1 | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 9/16/2004 0:00 | 091604UT119ASW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 9/16/2004 0:00 | 091604UT119ASW001 | Alkalinity, Total | 33 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 9/16/2004 0:00 | 091604UT119ASW001 | Aluminum | 16.3 | UG/L | BQ1,J | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 9/16/2004 0:00 | 091604UT119ASW001 | Aluminum | 12.4 | UG/L | BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT119A | 9/16/2004 0:00 | 091604UT119ASW001 | Antimony | 0.148 | UG/L | J | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 9/16/2004 0:00 | 091604UT119ASW001 | Antimony | 0.104 | UG/L | J | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 9/16/2004 0:00 | 091604UT119ASW001 | Arsenic | 2.25 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 9/16/2004 0:00 | 091604UT119ASW001 | Arsenic | 2.17 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 9/16/2004 0:00 | 091604UT119ASW001 | Barium | 2.36 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 9/16/2004 0:00 | 091604UT119ASW001 | Barium | 2.23 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 9/16/2004 0:00 | 091604UT119ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 9/16/2004 0:00 | 091604UT119ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 9/16/2004 0:00 | 091604UT119ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 9/16/2004 0:00 | 091604UT119ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 9/16/2004 0:00 | 091604UT119ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 9/16/2004 0:00 | 091604UT119ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 9/16/2004 0:00 | 091604UT119ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 9/16/2004 0:00 | 091604UT119ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 9/16/2004 0:00 | 091604UT119ASW001 | Calcium | 8090 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 9/16/2004 0:00 | 091604UT119ASW001 | Calcium | 8010 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 9/16/2004 0:00 | 091604UT119ASW001 | Chloride | 0.938 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 9/16/2004 0:00 | 091604UT119ASW001 | Chromium | 0.309 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 9/16/2004 0:00 | 091604UT119ASW001 | Chromium | 0.288 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 9/16/2004 0:00 | 091604UT119ASW001 | Cobalt | 0.0382 | UG/L | BQ1,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 9/16/2004 0:00 | 091604UT119ASW001 | Cobalt | 0.355 | UG/L | J,BQ1 | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 9/16/2004 0:00 | 091604UT119ASW001 | Copper | 0.137 | UG/L | BQ1,J | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 9/16/2004 0:00 | 091604UT119ASW001 | Copper | 0.0995 | UG/L | BQ1,J | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 9/16/2004 0:00 | 091604UT119ASW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 9/16/2004 0:00 | 091604UT119ASW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 9/16/2004 0:00 | 091604UT119ASW001 | Fluoride | 0.062 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 9/16/2004 0:00 | 091604UT119ASW001 | Hardness as CaCO3 | 25.6 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 9/16/2004 0:00 | 091604UT119ASW001 | Hardness as CaCO3 | 25.3 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 9/16/2004 0:00 | 091604UT119ASW001 | Iron | 89.6 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 9/16/2004 0:00 | 091604UT119ASW001 | Iron | 79.9 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT119A | 9/16/2004 0:00 | 091604UT119ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 9/16/2004 0:00 | 091604UT119ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 9/16/2004 0:00 | 091604UT119ASW001 | Magnesium | 1320 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 9/16/2004 0:00 | 091604UT119ASW001 | Magnesium | 1290 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 9/16/2004 0:00 | 091604UT119ASW001 | Manganese | 1.05 | UG/L | BQ1 | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 9/16/2004 0:00 | 091604UT119ASW001 | Manganese | 1.02 | UG/L | BQ1 | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 9/16/2004 0:00 | 091604UT119ASW001 | Molybdenum | 0.348 | UG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 9/16/2004 0:00 | 091604UT119ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 9/16/2004 0:00 | 091604UT119ASW001 | Nickel | 0.249 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 9/16/2004 0:00 | 091604UT119ASW001 | Nickel | 0.377 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 9/16/2004 0:00 | 091604UT119ASW001 | Nitrogen, Ammonia (as N) | 0.0475 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 9/16/2004 0:00 | 091604UT119ASW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 9/16/2004 0:00 | 091604UT119ASW001 | pH | 7.61 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 9/16/2004 0:00 | 091604UT119ASW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 9/16/2004 0:00 | 091604UT119ASW001 | Potassium | 397 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 9/16/2004 0:00 | 091604UT119ASW001 | Potassium | 392 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 9/16/2004 0:00 | 091604UT119ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 9/16/2004 0:00 | 091604UT119ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 9/16/2004 0:00 | 091604UT119ASW001 | Silicon | 6190 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 9/16/2004 0:00 | 091604UT119ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 9/16/2004 0:00 | 091604UT119ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 9/16/2004 0:00 | 091604UT119ASW001 | Sodium | 2090 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 9/16/2004 0:00 | 091604UT119ASW001 | Sodium | 2100 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 9/16/2004 0:00 | 091604UT119ASW001 | Specific Conductance | 80 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 9/16/2004 0:00 | 091604UT119ASW001 | Sulfate | 4.78 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 9/16/2004 0:00 | 091604UT119ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 9/16/2004 0:00 | 091604UT119ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 9/16/2004 0:00 | 091604UT119ASW001 | Thiocyanate | 0.28 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 9/16/2004 0:00 | 091604UT119ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 9/16/2004 0:00 | 091604UT119ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT119A | 9/16/2004 0:00 | 091604UT119ASW001 | Total Dissolved Solids | 57.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 9/16/2004 0:00 | 091604UT119ASW001 | Total Suspended Solids | 0.8 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 9/16/2004 0:00 | 091604UT119ASW001 | Vanadium | 0.925 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 9/16/2004 0:00 | 091604UT119ASW001 | Vanadium | 0.863 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 9/16/2004 0:00 | 091604UT119ASW001 | Zinc | 0 | UG/L | | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 9/16/2004 0:00 | 091604UT119ASW001 | Zinc | 0 | UG/L | | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 10/17/2004 0:00 | 101704UT119ASW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 10/17/2004 0:00 | 101704UT119ASW001 | Alkalinity, Total | 30 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 10/17/2004 0:00 | 101704UT119ASW001 | Aluminum | 16.1 | UG/L | BQ,BQ1,J | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 10/17/2004 0:00 | 101704UT119ASW001 | Aluminum | 27.8 | UG/L | BQ1 | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 10/17/2004 0:00 | 101704UT119ASW001 | Antimony | 0.109 | UG/L | J | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 10/17/2004 0:00 | 101704UT119ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 10/17/2004 0:00 | 101704UT119ASW001 | Arsenic | 1.94 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 10/17/2004 0:00 | 101704UT119ASW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 10/17/2004 0:00 | 101704UT119ASW001 | Barium | 2.6 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 10/17/2004 0:00 | 101704UT119ASW001 | Barium | 1.56 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 10/17/2004 0:00 | 101704UT119ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 10/17/2004 0:00 | 101704UT119ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 10/17/2004 0:00 | 101704UT119ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 10/17/2004 0:00 | 101704UT119ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 10/17/2004 0:00 | 101704UT119ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 10/17/2004 0:00 | 101704UT119ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 10/17/2004 0:00 | 101704UT119ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 10/17/2004 0:00 | 101704UT119ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 10/17/2004 0:00 | 101704UT119ASW001 | Calcium | 7910 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 10/17/2004 0:00 | 101704UT119ASW001 | Calcium | 2370 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 10/17/2004 0:00 | 101704UT119ASW001 | Chloride | 1.1 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 10/17/2004 0:00 | 101704UT119ASW001 | Chromium | 0.347 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 10/17/2004 0:00 | 101704UT119ASW001 | Chromium | 0.132 | UG/L | BQ1,J | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 10/17/2004 0:00 | 101704UT119ASW001 | Cobalt | 0 | UG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT119A | 10/17/2004 0:00 | 101704UT119ASW001 | Cobalt | 0.795 | UG/L | BQ1,J | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 10/17/2004 0:00 | 101704UT119ASW001 | Copper | 0.197 | UG/L | BQ1,J | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 10/17/2004 0:00 | 101704UT119ASW001 | Copper | 0.34 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 10/17/2004 0:00 | 101704UT119ASW001 | Cyanide | 0.003 | MG/L | J | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 10/17/2004 0:00 | 101704UT119ASW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 10/17/2004 0:00 | 101704UT119ASW001 | Fluoride | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 10/17/2004 0:00 | 101704UT119ASW001 | Hardness as CaCO3 | 24.7 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 10/17/2004 0:00 | 101704UT119ASW001 | Iron | 17.6 | UG/L | J | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 10/17/2004 0:00 | 101704UT119ASW001 | Iron | 66.9 | UG/L | J | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 10/17/2004 0:00 | 101704UT119ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 10/17/2004 0:00 | 101704UT119ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 10/17/2004 0:00 | 101704UT119ASW001 | Magnesium | 1200 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 10/17/2004 0:00 | 101704UT119ASW001 | Magnesium | 439 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 10/17/2004 0:00 | 101704UT119ASW001 | Manganese | 1.27 | UG/L | J | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 10/17/2004 0:00 | 101704UT119ASW001 | Manganese | 7.41 | UG/L | J | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 10/17/2004 0:00 | 101704UT119ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 10/17/2004 0:00 | 101704UT119ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 10/17/2004 0:00 | 101704UT119ASW001 | Nickel | 0.208 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 10/17/2004 0:00 | 101704UT119ASW001 | Nickel | 0.363 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 10/17/2004 0:00 | 101704UT119ASW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 10/17/2004 0:00 | 101704UT119ASW001 | Nitrogen, Nitrate-Nitrite | 1.27 | MG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 10/17/2004 0:00 | 101704UT119ASW001 | pH | 7.31 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 10/17/2004 0:00 | 101704UT119ASW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 10/17/2004 0:00 | 101704UT119ASW001 | Potassium | 316 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 10/17/2004 0:00 | 101704UT119ASW001 | Potassium | 111 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 10/17/2004 0:00 | 101704UT119ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 10/17/2004 0:00 | 101704UT119ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 10/17/2004 0:00 | 101704UT119ASW001 | Silicon | 5030 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 10/17/2004 0:00 | 101704UT119ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 10/17/2004 0:00 | 101704UT119ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT119A | 10/17/2004 0:00 | 101704UT119ASW001 | Sodium | 2020 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 10/17/2004 0:00 | 101704UT119ASW001 | Sodium | 1580 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 10/17/2004 0:00 | 101704UT119ASW001 | Specific Conductance | 80 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 10/17/2004 0:00 | 101704UT119ASW001 | Sulfate | 4.75 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 10/17/2004 0:00 | 101704UT119ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 10/17/2004 0:00 | 101704UT119ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 10/17/2004 0:00 | 101704UT119ASW001 | Thiocyanate | 0.14 | MG/L | J | 1 | 0.059 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 10/17/2004 0:00 | 101704UT119ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 10/17/2004 0:00 | 101704UT119ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 10/17/2004 0:00 | 101704UT119ASW001 | Total Dissolved Solids | 7.5 | MG/L | BQ,J | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 10/17/2004 0:00 | 101704UT119ASW001 | Total Suspended Solids | 0.4 | MG/L | J | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 10/17/2004 0:00 | 101704UT119ASW001 | Vanadium | 0.769 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 10/17/2004 0:00 | 101704UT119ASW001 | Vanadium | 0.397 | UG/L | J | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119A | 10/17/2004 0:00 | 101704UT119ASW001 | Zinc | 1.16 | UG/L | BQ1,J | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119A | 10/17/2004 0:00 | 101704UT119ASW001 | Zinc | 1.94 | UG/L | BQ,BQ1 | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 4/30/2004 0:00 | 043004UT119BSW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 4/30/2004 0:00 | 043004UT119BSW001 | Alkalinity, Total | 10 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 4/30/2004 0:00 | 043004UT119BSW001 | Aluminum | 72.6 | UG/L | | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 4/30/2004 0:00 | 043004UT119BSW001 | Aluminum | 47.8 | UG/L | BQ1 | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 4/30/2004 0:00 | 043004UT119BSW001 | Antimony | 0 | UG/L | J | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 4/30/2004 0:00 | 043004UT119BSW001 | Antimony | 0.389 | UG/L | J, BQ1 | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 4/30/2004 0:00 | 043004UT119BSW001 | Arsenic | 0.492 | UG/L | J | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 4/30/2004 0:00 | 043004UT119BSW001 | Arsenic | 0.481 | UG/L | J | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 4/30/2004 0:00 | 043004UT119BSW001 | Barium | 2.73 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 4/30/2004 0:00 | 043004UT119BSW001 | Barium | 2.45 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 4/30/2004 0:00 | 043004UT119BSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 4/30/2004 0:00 | 043004UT119BSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 4/30/2004 0:00 | 043004UT119BSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 4/30/2004 0:00 | 043004UT119BSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 4/30/2004 0:00 | 043004UT119BSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT119B | 4/30/2004 0:00 | 043004UT119BSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 4/30/2004 0:00 | 043004UT119BSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 4/30/2004 0:00 | 043004UT119BSW001 | Cadmium | 0.049 | UG/L | J | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 4/30/2004 0:00 | 043004UT119BSW001 | Calcium | 2830 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 4/30/2004 0:00 | 043004UT119BSW001 | Calcium | 2870 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 4/30/2004 0:00 | 043004UT119BSW001 | Chloride | 0.757 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 4/30/2004 0:00 | 043004UT119BSW001 | Chromium | 0.297 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 4/30/2004 0:00 | 043004UT119BSW001 | Chromium | 0.353 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 4/30/2004 0:00 | 043004UT119BSW001 | Cobalt | 0 | UG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 4/30/2004 0:00 | 043004UT119BSW001 | Cobalt | 0.495 | UG/L | J | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 4/30/2004 0:00 | 043004UT119BSW001 | Copper | 0.538 | UG/L | J | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 4/30/2004 0:00 | 043004UT119BSW001 | Copper | 0.276 | UG/L | J | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 4/30/2004 0:00 | 043004UT119BSW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 4/30/2004 0:00 | 043004UT119BSW001 | Cyanide, Weak Acid Dissociable | 0.004 | MG/L | J | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 4/30/2004 0:00 | 043004UT119BSW001 | Fluoride | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 4/30/2004 0:00 | 043004UT119BSW001 | Hardness as CaCO3 | 8.64 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 4/30/2004 0:00 | 043004UT119BSW001 | Hardness as CaCO3 | 8.77 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 4/30/2004 0:00 | 043004UT119BSW001 | Iron | 34.4 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 4/30/2004 0:00 | 043004UT119BSW001 | Iron | 24.8 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 4/30/2004 0:00 | 043004UT119BSW001 | Lead | 0.132 | UG/L | J | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 4/30/2004 0:00 | 043004UT119BSW001 | Lead | 0.16 | UG/L | J, BQ1 | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 4/30/2004 0:00 | 043004UT119BSW001 | Magnesium | 380 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 4/30/2004 0:00 | 043004UT119BSW001 | Magnesium | 390 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 4/30/2004 0:00 | 043004UT119BSW001 | Manganese | 6.46 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 4/30/2004 0:00 | 043004UT119BSW001 | Manganese | 6.28 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 4/30/2004 0:00 | 043004UT119BSW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 4/30/2004 0:00 | 043004UT119BSW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 4/30/2004 0:00 | 043004UT119BSW001 | Nickel | 0.107 | UG/L | J | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 4/30/2004 0:00 | 043004UT119BSW001 | Nickel | 0.364 | UG/L | J | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 4/30/2004 0:00 | 043004UT119BSW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT119B | 4/30/2004 0:00 | 043004UT119BSW001 | Nitrogen, Nitrate-Nitrite | 0.123 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 4/30/2004 0:00 | 043004UT119BSW001 | pH | 6.6 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 4/30/2004 0:00 | 043004UT119BSW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 4/30/2004 0:00 | 043004UT119BSW001 | Potassium | 262 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 4/30/2004 0:00 | 043004UT119BSW001 | Potassium | 269 | UG/L | BQ1 | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 4/30/2004 0:00 | 043004UT119BSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 4/30/2004 0:00 | 043004UT119BSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 4/30/2004 0:00 | 043004UT119BSW001 | Silicon | 2010 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 4/30/2004 0:00 | 043004UT119BSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 4/30/2004 0:00 | 043004UT119BSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 4/30/2004 0:00 | 043004UT119BSW001 | Sodium | 1040 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 4/30/2004 0:00 | 043004UT119BSW001 | Sodium | 1100 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 4/30/2004 0:00 | 043004UT119BSW001 | Specific Conductance | 24 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 4/30/2004 0:00 | 043004UT119BSW001 | Sulfate | 0.643 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 4/30/2004 0:00 | 043004UT119BSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 4/30/2004 0:00 | 043004UT119BSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 4/30/2004 0:00 | 043004UT119BSW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 4/30/2004 0:00 | 043004UT119BSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 4/30/2004 0:00 | 043004UT119BSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 4/30/2004 0:00 | 043004UT119BSW001 | Total Dissolved Solids | 15 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 4/30/2004 0:00 | 043004UT119BSW001 | Total Suspended Solids | 1.01 | MG/L | | 0.505 | 0.152 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 4/30/2004 0:00 | 043004UT119BSW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 4/30/2004 0:00 | 043004UT119BSW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 4/30/2004 0:00 | 043004UT119BSW001 | Zinc | 2.27 | UG/L | J | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 4/30/2004 0:00 | 043004UT119BSW001 | Zinc | 4.99 | UG/L | J | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 5/20/2004 0:00 | 052004UT119BSW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 5/20/2004 0:00 | 052004UT119BSW001 | Alkalinity, Total | 16.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 5/20/2004 0:00 | 052004UT119BSW001 | Aluminum | 32.3 | UG/L | | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 5/20/2004 0:00 | 052004UT119BSW001 | Aluminum | 24.9 | UG/L | J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 5/20/2004 0:00 | 052004UT119BSW001 | Antimony | 0.0774 | UG/L | J,BQ1 | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT119B | 5/20/2004 0:00 | 052004UT119BSW001 | Antimony | 0.0937 | UG/L | J,BQ1,BQ | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 5/20/2004 0:00 | 052004UT119BSW001 | Arsenic | 0.388 | UG/L | J,BQ1 | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 5/20/2004 0:00 | 052004UT119BSW001 | Arsenic | 0.343 | UG/L | J,BQ1 | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 5/20/2004 0:00 | 052004UT119BSW001 | Barium | 8.87 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 5/20/2004 0:00 | 052004UT119BSW001 | Barium | 8.47 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 5/20/2004 0:00 | 052004UT119BSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 5/20/2004 0:00 | 052004UT119BSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 5/20/2004 0:00 | 052004UT119BSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 5/20/2004 0:00 | 052004UT119BSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 5/20/2004 0:00 | 052004UT119BSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 5/20/2004 0:00 | 052004UT119BSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 5/20/2004 0:00 | 052004UT119BSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 5/20/2004 0:00 | 052004UT119BSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 5/20/2004 0:00 | 052004UT119BSW001 | Calcium | 4750 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 5/20/2004 0:00 | 052004UT119BSW001 | Calcium | 4580 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 5/20/2004 0:00 | 052004UT119BSW001 | Chloride | 0.723 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 5/20/2004 0:00 | 052004UT119BSW001 | Chromium | 0.208 | UG/L | BQ1 | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 5/20/2004 0:00 | 052004UT119BSW001 | Chromium | 0.173 | UG/L | J,BQ1 | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 5/20/2004 0:00 | 052004UT119BSW001 | Cobalt | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 5/20/2004 0:00 | 052004UT119BSW001 | Cobalt | 2.43 | UG/L | J+ | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 5/20/2004 0:00 | 052004UT119BSW001 | Copper | 0.133 | UG/L | J,BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 5/20/2004 0:00 | 052004UT119BSW001 | Copper | 0.185 | UG/L | J,BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 5/20/2004 0:00 | 052004UT119BSW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 5/20/2004 0:00 | 052004UT119BSW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 5/20/2004 0:00 | 052004UT119BSW001 | Fluoride | 0.06 | MG/L | J,BQ | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 5/20/2004 0:00 | 052004UT119BSW001 | Hardness as CaCO3 | 14.2 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 5/20/2004 0:00 | 052004UT119BSW001 | Hardness as CaCO3 | 13.7 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 5/20/2004 0:00 | 052004UT119BSW001 | Iron | 56.3 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 5/20/2004 0:00 | 052004UT119BSW001 | Iron | 45.3 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 5/20/2004 0:00 | 052004UT119BSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT119B | 5/20/2004 0:00 | 052004UT119BSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 5/20/2004 0:00 | 052004UT119BSW001 | Magnesium | 572 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 5/20/2004 0:00 | 052004UT119BSW001 | Magnesium | 549 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 5/20/2004 0:00 | 052004UT119BSW001 | Manganese | 1.32 | UG/L | J | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 5/20/2004 0:00 | 052004UT119BSW001 | Manganese | 4.08 | UG/L | J | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 5/20/2004 0:00 | 052004UT119BSW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 5/20/2004 0:00 | 052004UT119BSW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 5/20/2004 0:00 | 052004UT119BSW001 | Nickel | 0.148 | UG/L | J,BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 5/20/2004 0:00 | 052004UT119BSW001 | Nickel | 0.323 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 5/20/2004 0:00 | 052004UT119BSW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 5/20/2004 0:00 | 052004UT119BSW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | R | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 5/20/2004 0:00 | 052004UT119BSW001 | pH | 7.4 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 5/20/2004 0:00 | 052004UT119BSW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 5/20/2004 0:00 | 052004UT119BSW001 | Potassium | 155 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 5/20/2004 0:00 | 052004UT119BSW001 | Potassium | 159 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 5/20/2004 0:00 | 052004UT119BSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 5/20/2004 0:00 | 052004UT119BSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 5/20/2004 0:00 | 052004UT119BSW001 | Silicon | 3050 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 5/20/2004 0:00 | 052004UT119BSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 5/20/2004 0:00 | 052004UT119BSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 5/20/2004 0:00 | 052004UT119BSW001 | Sodium | 1290 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 5/20/2004 0:00 | 052004UT119BSW001 | Sodium | 1330 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 5/20/2004 0:00 | 052004UT119BSW001 | Specific Conductance | 36 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 5/20/2004 0:00 | 052004UT119BSW001 | Sulfate | 0.754 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 5/20/2004 0:00 | 052004UT119BSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 5/20/2004 0:00 | 052004UT119BSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 5/20/2004 0:00 | 052004UT119BSW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 5/20/2004 0:00 | 052004UT119BSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 5/20/2004 0:00 | 052004UT119BSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 5/20/2004 0:00 | 052004UT119BSW001 | Total Dissolved Solids | 43.8 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT119B | 5/20/2004 0:00 | 052004UT119BSW001 | Total Suspended Solids | 0.4 | MG/L | J | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 5/20/2004 0:00 | 052004UT119BSW001 | Vanadium | 0.902 | UG/L | BQ1,BQ | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 5/20/2004 0:00 | 052004UT119BSW001 | Vanadium | 0.607 | UG/L | BQ1 | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 5/20/2004 0:00 | 052004UT119BSW001 | Zinc | 1.6 | UG/L | BQ1 | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 5/20/2004 0:00 | 052004UT119BSW001 | Zinc | 1.13 | UG/L | J,BQ1 | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 6/17/2004 0:00 | 061704UT119BSW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 6/17/2004 0:00 | 061704UT119BSW001 | Alkalinity, Total | 18 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 6/17/2004 0:00 | 061704UT119BSW001 | Aluminum | 23.5 | UG/L | BQ1,J | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 6/17/2004 0:00 | 061704UT119BSW001 | Aluminum | 14.2 | UG/L | BQ,BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 6/17/2004 0:00 | 061704UT119BSW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 6/17/2004 0:00 | 061704UT119BSW001 | Antimony | 0.183 | UG/L | J | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 6/17/2004 0:00 | 061704UT119BSW001 | Arsenic | 0.533 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 6/17/2004 0:00 | 061704UT119BSW001 | Arsenic | 0.544 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 6/17/2004 0:00 | 061704UT119BSW001 | Barium | 10.3 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 6/17/2004 0:00 | 061704UT119BSW001 | Barium | 10.3 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 6/17/2004 0:00 | 061704UT119BSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 6/17/2004 0:00 | 061704UT119BSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 6/17/2004 0:00 | 061704UT119BSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 6/17/2004 0:00 | 061704UT119BSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 6/17/2004 0:00 | 061704UT119BSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 6/17/2004 0:00 | 061704UT119BSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 6/17/2004 0:00 | 061704UT119BSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 6/17/2004 0:00 | 061704UT119BSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 6/17/2004 0:00 | 061704UT119BSW001 | Calcium | 4390 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 6/17/2004 0:00 | 061704UT119BSW001 | Calcium | 4930 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 6/17/2004 0:00 | 061704UT119BSW001 | Chloride | 0.76 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 6/17/2004 0:00 | 061704UT119BSW001 | Chromium | 0.296 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 6/17/2004 0:00 | 061704UT119BSW001 | Chromium | 0.289 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 6/17/2004 0:00 | 061704UT119BSW001 | Cobalt | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 6/17/2004 0:00 | 061704UT119BSW001 | Cobalt | 2.53 | UG/L | BQ1,J | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT119B | 6/17/2004 0:00 | 061704UT119BSW001 | Copper | 0.196 | UG/L | BQ1,J | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 6/17/2004 0:00 | 061704UT119BSW001 | Copper | 0.229 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 6/17/2004 0:00 | 061704UT119BSW001 | Cyanide | 0.0066 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 6/17/2004 0:00 | 061704UT119BSW001 | Cyanide, Weak Acid Dissociable | 0.0034 | MG/L | J | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 6/17/2004 0:00 | 061704UT119BSW001 | Fluoride | 0.103 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 6/17/2004 0:00 | 061704UT119BSW001 | Hardness as CaCO3 | 13.1 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 6/17/2004 0:00 | 061704UT119BSW001 | Hardness as CaCO3 | 14.6 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 6/17/2004 0:00 | 061704UT119BSW001 | Iron | 23.9 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 6/17/2004 0:00 | 061704UT119BSW001 | Iron | 10.6 | UG/L | J | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 6/17/2004 0:00 | 061704UT119BSW001 | Lead | 0.168 | UG/L | J | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 6/17/2004 0:00 | 061704UT119BSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 6/17/2004 0:00 | 061704UT119BSW001 | Magnesium | 512 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 6/17/2004 0:00 | 061704UT119BSW001 | Magnesium | 547 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 6/17/2004 0:00 | 061704UT119BSW001 | Manganese | 1.39 | UG/L | BQ1,J | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 6/17/2004 0:00 | 061704UT119BSW001 | Manganese | 4.13 | UG/L | BQ1,J | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 6/17/2004 0:00 | 061704UT119BSW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 6/17/2004 0:00 | 061704UT119BSW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 6/17/2004 0:00 | 061704UT119BSW001 | Nickel | 0.178 | UG/L | BQ1,J | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 6/17/2004 0:00 | 061704UT119BSW001 | Nickel | 0.323 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 6/17/2004 0:00 | 061704UT119BSW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 6/17/2004 0:00 | 061704UT119BSW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | R | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 6/17/2004 0:00 | 061704UT119BSW001 | pH | 7 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 6/17/2004 0:00 | 061704UT119BSW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 6/17/2004 0:00 | 061704UT119BSW001 | Potassium | 134 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 6/17/2004 0:00 | 061704UT119BSW001 | Potassium | 146 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 6/17/2004 0:00 | 061704UT119BSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 6/17/2004 0:00 | 061704UT119BSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 6/17/2004 0:00 | 061704UT119BSW001 | Silicon | 3370 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 6/17/2004 0:00 | 061704UT119BSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 6/17/2004 0:00 | 061704UT119BSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |

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Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT119B | 6/17/2004 0:00 | 061704UT119BSW001 | Sodium | 1240 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 6/17/2004 0:00 | 061704UT119BSW001 | Sodium | 1380 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 6/17/2004 0:00 | 061704UT119BSW001 | Specific Conductance | 40 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 6/17/2004 0:00 | 061704UT119BSW001 | Sulfate | 0.799 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 6/17/2004 0:00 | 061704UT119BSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 6/17/2004 0:00 | 061704UT119BSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 6/17/2004 0:00 | 061704UT119BSW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 6/17/2004 0:00 | 061704UT119BSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 6/17/2004 0:00 | 061704UT119BSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 6/17/2004 0:00 | 061704UT119BSW001 | Total Dissolved Solids | 33.8 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 6/17/2004 0:00 | 061704UT119BSW001 | Total Suspended Solids | 0 | MG/L | | 12.5 | 3.75 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 6/17/2004 0:00 | 061704UT119BSW001 | Vanadium | 0.537 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 6/17/2004 0:00 | 061704UT119BSW001 | Vanadium | 0.596 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 6/17/2004 0:00 | 061704UT119BSW001 | Zinc | 1.92 | UG/L | BQ1 | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 6/17/2004 0:00 | 061704UT119BSW001 | Zinc | 1.48 | UG/L | BQ,BQ1,J | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 7/15/2004 0:00 | 071504UT119BSW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 7/15/2004 0:00 | 071504UT119BSW001 | Alkalinity, Total | 23 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 7/15/2004 0:00 | 071504UT119BSW001 | Aluminum | 8.72 | UG/L | BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 7/15/2004 0:00 | 071504UT119BSW001 | Aluminum | 11.1 | UG/L | BQ1,J | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 7/15/2004 0:00 | 071504UT119BSW001 | Antimony | 0.0885 | UG/L | BQ,BQ1,J | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 7/15/2004 0:00 | 071504UT119BSW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 7/15/2004 0:00 | 071504UT119BSW001 | Arsenic | 1.1 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 7/15/2004 0:00 | 071504UT119BSW001 | Arsenic | 1.05 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 7/15/2004 0:00 | 071504UT119BSW001 | Barium | 7.36 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 7/15/2004 0:00 | 071504UT119BSW001 | Barium | 7.68 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 7/15/2004 0:00 | 071504UT119BSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 7/15/2004 0:00 | 071504UT119BSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 7/15/2004 0:00 | 071504UT119BSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 7/15/2004 0:00 | 071504UT119BSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 7/15/2004 0:00 | 071504UT119BSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |

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Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT119B | 7/15/2004 0:00 | 071504UT119BSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 7/15/2004 0:00 | 071504UT119BSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 7/15/2004 0:00 | 071504UT119BSW001 | Cadmium | 0.056 | UG/L | BQ1,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 7/15/2004 0:00 | 071504UT119BSW001 | Calcium | 6000 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 7/15/2004 0:00 | 071504UT119BSW001 | Calcium | 5590 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 7/15/2004 0:00 | 071504UT119BSW001 | Chloride | 0.747 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 7/15/2004 0:00 | 071504UT119BSW001 | Chromium | 0.329 | UG/L | BQ1 | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 7/15/2004 0:00 | 071504UT119BSW001 | Chromium | 0.517 | UG/L | BQ1 | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 7/15/2004 0:00 | 071504UT119BSW001 | Cobalt | 0.481 | UG/L | BQ1,J | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 7/15/2004 0:00 | 071504UT119BSW001 | Cobalt | 0 | UG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 7/15/2004 0:00 | 071504UT119BSW001 | Copper | 0.179 | UG/L | BQ1,J | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 7/15/2004 0:00 | 071504UT119BSW001 | Copper | 0.118 | UG/L | BQ1,J | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 7/15/2004 0:00 | 071504UT119BSW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 7/15/2004 0:00 | 071504UT119BSW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 7/15/2004 0:00 | 071504UT119BSW001 | Fluoride | 0.048 | MG/L | BQ,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 7/15/2004 0:00 | 071504UT119BSW001 | Hardness as CaCO3 | 17.7 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 7/15/2004 0:00 | 071504UT119BSW001 | Hardness as CaCO3 | 16.8 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 7/15/2004 0:00 | 071504UT119BSW001 | Iron | 6.62 | UG/L | BQ1,J | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 7/15/2004 0:00 | 071504UT119BSW001 | Iron | 27.4 | UG/L | BQ1 | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 7/15/2004 0:00 | 071504UT119BSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 7/15/2004 0:00 | 071504UT119BSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 7/15/2004 0:00 | 071504UT119BSW001 | Magnesium | 668 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 7/15/2004 0:00 | 071504UT119BSW001 | Magnesium | 686 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 7/15/2004 0:00 | 071504UT119BSW001 | Manganese | 1.1 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 7/15/2004 0:00 | 071504UT119BSW001 | Manganese | 0.934 | UG/L | J | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 7/15/2004 0:00 | 071504UT119BSW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 7/15/2004 0:00 | 071504UT119BSW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 7/15/2004 0:00 | 071504UT119BSW001 | Nickel | 0 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 7/15/2004 0:00 | 071504UT119BSW001 | Nickel | 0.167 | UG/L | BQ1,J | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 7/15/2004 0:00 | 071504UT119BSW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |

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Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT119B | 7/15/2004 0:00 | 071504UT119BSW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | | 2 | 0.62 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 7/15/2004 0:00 | 071504UT119BSW001 | pH | 7.39 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 7/15/2004 0:00 | 071504UT119BSW001 | Phosphorus, Total (as P) | 0.0359 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 7/15/2004 0:00 | 071504UT119BSW001 | Potassium | 159 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 7/15/2004 0:00 | 071504UT119BSW001 | Potassium | 153 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 7/15/2004 0:00 | 071504UT119BSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 7/15/2004 0:00 | 071504UT119BSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 7/15/2004 0:00 | 071504UT119BSW001 | Silicon | 4150 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 7/15/2004 0:00 | 071504UT119BSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 7/15/2004 0:00 | 071504UT119BSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 7/15/2004 0:00 | 071504UT119BSW001 | Sodium | 1650 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 7/15/2004 0:00 | 071504UT119BSW001 | Sodium | 1630 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 7/15/2004 0:00 | 071504UT119BSW001 | Specific Conductance | 47.1 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 7/15/2004 0:00 | 071504UT119BSW001 | Sulfate | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 7/15/2004 0:00 | 071504UT119BSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 7/15/2004 0:00 | 071504UT119BSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 7/15/2004 0:00 | 071504UT119BSW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 7/15/2004 0:00 | 071504UT119BSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 7/15/2004 0:00 | 071504UT119BSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 7/15/2004 0:00 | 071504UT119BSW001 | Total Dissolved Solids | 37.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 7/15/2004 0:00 | 071504UT119BSW001 | Total Suspended Solids | 0.4 | MG/L | J | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 7/15/2004 0:00 | 071504UT119BSW001 | Vanadium | 0.737 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 7/15/2004 0:00 | 071504UT119BSW001 | Vanadium | 0.573 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 7/15/2004 0:00 | 071504UT119BSW001 | Zinc | 1.06 | UG/L | BQ1,J | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 7/15/2004 0:00 | 071504UT119BSW001 | Zinc | 0 | UG/L | | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 8/26/2004 0:00 | 082604UT119BSW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 8/26/2004 0:00 | 082604UT119BSW001 | Alkalinity, Total | 22 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 8/26/2004 0:00 | 082604UT119BSW001 | Aluminum | 8.18 | UG/L | BQ,BQ1,J | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 8/26/2004 0:00 | 082604UT119BSW001 | Aluminum | 11.6 | UG/L | BQ,BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 8/26/2004 0:00 | 082604UT119BSW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT119B | 8/26/2004 0:00 | 082604UT119BSW001 | Antimony | 0.0872 | UG/L | BQ1,J | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 8/26/2004 0:00 | 082604UT119BSW001 | Arsenic | 1.56 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 8/26/2004 0:00 | 082604UT119BSW001 | Arsenic | 1.49 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 8/26/2004 0:00 | 082604UT119BSW001 | Barium | 4.63 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 8/26/2004 0:00 | 082604UT119BSW001 | Barium | 4.24 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 8/26/2004 0:00 | 082604UT119BSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 8/26/2004 0:00 | 082604UT119BSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 8/26/2004 0:00 | 082604UT119BSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 8/26/2004 0:00 | 082604UT119BSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 8/26/2004 0:00 | 082604UT119BSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 8/26/2004 0:00 | 082604UT119BSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 8/26/2004 0:00 | 082604UT119BSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 8/26/2004 0:00 | 082604UT119BSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 8/26/2004 0:00 | 082604UT119BSW001 | Calcium | 5590 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 8/26/2004 0:00 | 082604UT119BSW001 | Calcium | 6000 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 8/26/2004 0:00 | 082604UT119BSW001 | Chloride | 0.823 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 8/26/2004 0:00 | 082604UT119BSW001 | Chromium | 0.718 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 8/26/2004 0:00 | 082604UT119BSW001 | Chromium | 0.384 | UG/L | BQ1 | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 8/26/2004 0:00 | 082604UT119BSW001 | Cobalt | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 8/26/2004 0:00 | 082604UT119BSW001 | Cobalt | 0.702 | UG/L | BQ1 | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 8/26/2004 0:00 | 082604UT119BSW001 | Copper | 0.14 | UG/L | BQ1,J | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 8/26/2004 0:00 | 082604UT119BSW001 | Copper | 0.117 | UG/L | BQ1,J | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 8/26/2004 0:00 | 082604UT119BSW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 8/26/2004 0:00 | 082604UT119BSW001 | Cyanide, Weak Acid Dissociable | 0.0029 | MG/L | J | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 8/26/2004 0:00 | 082604UT119BSW001 | Fluoride | 0.034 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 8/26/2004 0:00 | 082604UT119BSW001 | Hardness as CaCO3 | 16.6 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 8/26/2004 0:00 | 082604UT119BSW001 | Hardness as CaCO3 | 17.9 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 8/26/2004 0:00 | 082604UT119BSW001 | Iron | 7.65 | UG/L | BQ1,J | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 8/26/2004 0:00 | 082604UT119BSW001 | Iron | 0 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 8/26/2004 0:00 | 082604UT119BSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT119B | 8/26/2004 0:00 | 082604UT119BSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 8/26/2004 0:00 | 082604UT119BSW001 | Magnesium | 635 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 8/26/2004 0:00 | 082604UT119BSW001 | Magnesium | 707 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 8/26/2004 0:00 | 082604UT119BSW001 | Manganese | 0.804 | UG/L | BQ1,J | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 8/26/2004 0:00 | 082604UT119BSW001 | Manganese | 1.9 | UG/L | BQ1 | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 8/26/2004 0:00 | 082604UT119BSW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 8/26/2004 0:00 | 082604UT119BSW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 8/26/2004 0:00 | 082604UT119BSW001 | Nickel | 0.15 | UG/L | J | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 8/26/2004 0:00 | 082604UT119BSW001 | Nickel | 0 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 8/26/2004 0:00 | 082604UT119BSW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 8/26/2004 0:00 | 082604UT119BSW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 8/26/2004 0:00 | 082604UT119BSW001 | pH | 7.59 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 8/26/2004 0:00 | 082604UT119BSW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 8/26/2004 0:00 | 082604UT119BSW001 | Potassium | 206 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 8/26/2004 0:00 | 082604UT119BSW001 | Potassium | 236 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 8/26/2004 0:00 | 082604UT119BSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 8/26/2004 0:00 | 082604UT119BSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 8/26/2004 0:00 | 082604UT119BSW001 | Silicon | 4870 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 8/26/2004 0:00 | 082604UT119BSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 8/26/2004 0:00 | 082604UT119BSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 8/26/2004 0:00 | 082604UT119BSW001 | Sodium | 1510 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 8/26/2004 0:00 | 082604UT119BSW001 | Sodium | 1770 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 8/26/2004 0:00 | 082604UT119BSW001 | Specific Conductance | 50 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 8/26/2004 0:00 | 082604UT119BSW001 | Sulfate | 0.878 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 8/26/2004 0:00 | 082604UT119BSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 8/26/2004 0:00 | 082604UT119BSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 8/26/2004 0:00 | 082604UT119BSW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 8/26/2004 0:00 | 082604UT119BSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 8/26/2004 0:00 | 082604UT119BSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 8/26/2004 0:00 | 082604UT119BSW001 | Total Dissolved Solids | 38.8 | MG/L | BQ | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |

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Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT119B | 8/26/2004 0:00 | 082604UT119BSW001 | Total Suspended Solids | 1.2 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 8/26/2004 0:00 | 082604UT119BSW001 | Vanadium | 0.4 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 8/26/2004 0:00 | 082604UT119BSW001 | Vanadium | 0.653 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 8/26/2004 0:00 | 082604UT119BSW001 | Zinc | 0.879 | UG/L | BQ1,J | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 8/26/2004 0:00 | 082604UT119BSW001 | Zinc | 1.59 | UG/L | BQ1 | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 9/16/2004 0:00 | 091604UT119BSW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 9/16/2004 0:00 | 091604UT119BSW001 | Alkalinity, Total | 23 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 9/16/2004 0:00 | 091604UT119BSW001 | Aluminum | 13.9 | UG/L | BQ,BQ1,J | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 9/16/2004 0:00 | 091604UT119BSW001 | Aluminum | 13.9 | UG/L | BQ,BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 9/16/2004 0:00 | 091604UT119BSW001 | Antimony | 0.0817 | UG/L | J | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 9/16/2004 0:00 | 091604UT119BSW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 9/16/2004 0:00 | 091604UT119BSW001 | Arsenic | 1.86 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 9/16/2004 0:00 | 091604UT119BSW001 | Arsenic | 1.89 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 9/16/2004 0:00 | 091604UT119BSW001 | Barium | 3.15 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 9/16/2004 0:00 | 091604UT119BSW001 | Barium | 3.17 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 9/16/2004 0:00 | 091604UT119BSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 9/16/2004 0:00 | 091604UT119BSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 9/16/2004 0:00 | 091604UT119BSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 9/16/2004 0:00 | 091604UT119BSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 9/16/2004 0:00 | 091604UT119BSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 9/16/2004 0:00 | 091604UT119BSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 9/16/2004 0:00 | 091604UT119BSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 9/16/2004 0:00 | 091604UT119BSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 9/16/2004 0:00 | 091604UT119BSW001 | Calcium | 6120 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 9/16/2004 0:00 | 091604UT119BSW001 | Calcium | 6470 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 9/16/2004 0:00 | 091604UT119BSW001 | Chloride | 0.901 | MG/L | J- | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 9/16/2004 0:00 | 091604UT119BSW001 | Chromium | 0.461 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 9/16/2004 0:00 | 091604UT119BSW001 | Chromium | 0.433 | UG/L | BQ | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 9/16/2004 0:00 | 091604UT119BSW001 | Cobalt | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 9/16/2004 0:00 | 091604UT119BSW001 | Cobalt | 0.0537 | UG/L | BQ1,J | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT119B | 9/16/2004 0:00 | 091604UT119BSW001 | Copper | 0.102 | UG/L | BQ1,J | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 9/16/2004 0:00 | 091604UT119BSW001 | Copper | 0.0829 | UG/L | BQ1,J | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 9/16/2004 0:00 | 091604UT119BSW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 9/16/2004 0:00 | 091604UT119BSW001 | Cyanide, Weak Acid Dissociable | 0.0025 | MG/L | J | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 9/16/2004 0:00 | 091604UT119BSW001 | Fluoride | 0 | MG/L | R | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 9/16/2004 0:00 | 091604UT119BSW001 | Hardness as CaCO3 | 18.5 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 9/16/2004 0:00 | 091604UT119BSW001 | Hardness as CaCO3 | 19.1 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 9/16/2004 0:00 | 091604UT119BSW001 | Iron | 0 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 9/16/2004 0:00 | 091604UT119BSW001 | Iron | 0 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 9/16/2004 0:00 | 091604UT119BSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 9/16/2004 0:00 | 091604UT119BSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 9/16/2004 0:00 | 091604UT119BSW001 | Magnesium | 715 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 9/16/2004 0:00 | 091604UT119BSW001 | Magnesium | 773 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 9/16/2004 0:00 | 091604UT119BSW001 | Manganese | 0 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 9/16/2004 0:00 | 091604UT119BSW001 | Manganese | 0.647 | UG/L | BQ1,J | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 9/16/2004 0:00 | 091604UT119BSW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 9/16/2004 0:00 | 091604UT119BSW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 9/16/2004 0:00 | 091604UT119BSW001 | Nickel | 0.21 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 9/16/2004 0:00 | 091604UT119BSW001 | Nickel | 0.195 | UG/L | BQ1,J | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 9/16/2004 0:00 | 091604UT119BSW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 9/16/2004 0:00 | 091604UT119BSW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | R | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 9/16/2004 0:00 | 091604UT119BSW001 | pH | 6.61 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 9/16/2004 0:00 | 091604UT119BSW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 9/16/2004 0:00 | 091604UT119BSW001 | Potassium | 245 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 9/16/2004 0:00 | 091604UT119BSW001 | Potassium | 254 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 9/16/2004 0:00 | 091604UT119BSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 9/16/2004 0:00 | 091604UT119BSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 9/16/2004 0:00 | 091604UT119BSW001 | Silicon | 4940 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 9/16/2004 0:00 | 091604UT119BSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 9/16/2004 0:00 | 091604UT119BSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT119B | 9/16/2004 0:00 | 091604UT119BSW001 | Sodium | 1640 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 9/16/2004 0:00 | 091604UT119BSW001 | Sodium | 1770 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 9/16/2004 0:00 | 091604UT119BSW001 | Specific Conductance | 60 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 9/16/2004 0:00 | 091604UT119BSW001 | Sulfate | 1.06 | MG/L | J- | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 9/16/2004 0:00 | 091604UT119BSW001 | Thallium | 0.0461 | UG/L | J | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 9/16/2004 0:00 | 091604UT119BSW001 | Thallium | 0.0435 | UG/L | J | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 9/16/2004 0:00 | 091604UT119BSW001 | Thiocyanate | 0.2 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 9/16/2004 0:00 | 091604UT119BSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 9/16/2004 0:00 | 091604UT119BSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 9/16/2004 0:00 | 091604UT119BSW001 | Total Dissolved Solids | 37.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 9/16/2004 0:00 | 091604UT119BSW001 | Total Suspended Solids | 0.3 | MG/L | J | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 9/16/2004 0:00 | 091604UT119BSW001 | Vanadium | 0.804 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 9/16/2004 0:00 | 091604UT119BSW001 | Vanadium | 0.727 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 9/16/2004 0:00 | 091604UT119BSW001 | Zinc | 0 | UG/L | | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 9/16/2004 0:00 | 091604UT119BSW001 | Zinc | 0 | UG/L | | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 10/15/2004 0:00 | 101504UT119BSW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 10/15/2004 0:00 | 101504UT119BSW001 | Alkalinity, Total | 20 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 10/15/2004 0:00 | 101504UT119BSW001 | Aluminum | 23.8 | UG/L | BQ1,J | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 10/15/2004 0:00 | 101504UT119BSW001 | Aluminum | 15.2 | UG/L | BQ,BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 10/15/2004 0:00 | 101504UT119BSW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 10/15/2004 0:00 | 101504UT119BSW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 10/15/2004 0:00 | 101504UT119BSW001 | Arsenic | 0.702 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 10/15/2004 0:00 | 101504UT119BSW001 | Arsenic | 0.428 | UG/L | J | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 10/15/2004 0:00 | 101504UT119BSW001 | Barium | 11.4 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 10/15/2004 0:00 | 101504UT119BSW001 | Barium | 10.3 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 10/15/2004 0:00 | 101504UT119BSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 10/15/2004 0:00 | 101504UT119BSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 10/15/2004 0:00 | 101504UT119BSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 10/15/2004 0:00 | 101504UT119BSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 10/15/2004 0:00 | 101504UT119BSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |

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Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT119B | 10/15/2004 0:00 | 101504UT119BSW001 | Boron | 3.4 | UG/L | J | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 10/15/2004 0:00 | 101504UT119BSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 10/15/2004 0:00 | 101504UT119BSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 10/15/2004 0:00 | 101504UT119BSW001 | Calcium | 5940 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 10/15/2004 0:00 | 101504UT119BSW001 | Calcium | 4830 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 10/15/2004 0:00 | 101504UT119BSW001 | Chloride | 0.857 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 10/15/2004 0:00 | 101504UT119BSW001 | Chromium | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 10/15/2004 0:00 | 101504UT119BSW001 | Chromium | 0.333 | UG/L | BQ1 | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 10/15/2004 0:00 | 101504UT119BSW001 | Cobalt | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 10/15/2004 0:00 | 101504UT119BSW001 | Cobalt | 0.497 | UG/L | BQ1 | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 10/15/2004 0:00 | 101504UT119BSW001 | Copper | 0.117 | UG/L | BQ1,J | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 10/15/2004 0:00 | 101504UT119BSW001 | Copper | 0.153 | UG/L | BQ1,J | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 10/15/2004 0:00 | 101504UT119BSW001 | Cyanide | 0.006 | MG/L | BQ | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 10/15/2004 0:00 | 101504UT119BSW001 | Cyanide, Weak Acid Dissociable | 0.003 | MG/L | BQ,J | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 10/15/2004 0:00 | 101504UT119BSW001 | Fluoride | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 10/15/2004 0:00 | 101504UT119BSW001 | Hardness as CaCO3 | 17.3 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 10/15/2004 0:00 | 101504UT119BSW001 | Iron | 0 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 10/15/2004 0:00 | 101504UT119BSW001 | Iron | 13.8 | UG/L | J | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 10/15/2004 0:00 | 101504UT119BSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 10/15/2004 0:00 | 101504UT119BSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 10/15/2004 0:00 | 101504UT119BSW001 | Magnesium | 603 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 10/15/2004 0:00 | 101504UT119BSW001 | Magnesium | 551 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 10/15/2004 0:00 | 101504UT119BSW001 | Manganese | 0.803 | UG/L | J | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 10/15/2004 0:00 | 101504UT119BSW001 | Manganese | 1.03 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 10/15/2004 0:00 | 101504UT119BSW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 10/15/2004 0:00 | 101504UT119BSW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 10/15/2004 0:00 | 101504UT119BSW001 | Nickel | 0.12 | UG/L | J | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 10/15/2004 0:00 | 101504UT119BSW001 | Nickel | 0.297 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 10/15/2004 0:00 | 101504UT119BSW001 | Nitrogen, Ammonia (as N) | 0.045 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 10/15/2004 0:00 | 101504UT119BSW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |

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Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT119B | 10/15/2004 0:00 | 101504UT119BSW001 | pH | 7.26 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 10/15/2004 0:00 | 101504UT119BSW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 10/15/2004 0:00 | 101504UT119BSW001 | Potassium | 174 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 10/15/2004 0:00 | 101504UT119BSW001 | Potassium | 138 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 10/15/2004 0:00 | 101504UT119BSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 10/15/2004 0:00 | 101504UT119BSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 10/15/2004 0:00 | 101504UT119BSW001 | Silicon | 4050 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 10/15/2004 0:00 | 101504UT119BSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 10/15/2004 0:00 | 101504UT119BSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 10/15/2004 0:00 | 101504UT119BSW001 | Sodium | 1560 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 10/15/2004 0:00 | 101504UT119BSW001 | Sodium | 1390 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 10/15/2004 0:00 | 101504UT119BSW001 | Specific Conductance | 43 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 10/15/2004 0:00 | 101504UT119BSW001 | Sulfate | 0.88 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 10/15/2004 0:00 | 101504UT119BSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 10/15/2004 0:00 | 101504UT119BSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 10/15/2004 0:00 | 101504UT119BSW001 | Thiocyanate | 0.26 | MG/L | | 1 | 0.059 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 10/15/2004 0:00 | 101504UT119BSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 10/15/2004 0:00 | 101504UT119BSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 10/15/2004 0:00 | 101504UT119BSW001 | Total Dissolved Solids | 46.3 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 10/15/2004 0:00 | 101504UT119BSW001 | Total Suspended Solids | 0.6 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 10/15/2004 0:00 | 101504UT119BSW001 | Vanadium | 0.491 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 10/15/2004 0:00 | 101504UT119BSW001 | Vanadium | 0.45 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT119B | 10/15/2004 0:00 | 101504UT119BSW001 | Zinc | 0.671 | UG/L | BQ1,J | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT119B | 10/15/2004 0:00 | 101504UT119BSW001 | Zinc | 0.656 | UG/L | BQ1,J | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 5/1/2004 0:00 | 050104UT135ASW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 5/1/2004 0:00 | 050104UT135ASW001 | Alkalinity, Total | 17 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 5/1/2004 0:00 | 050104UT135ASW001 | Aluminum | 342 | UG/L | | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 5/1/2004 0:00 | 050104UT135ASW001 | Aluminum | 18.5 | UG/L | J, BQ1 | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 5/1/2004 0:00 | 050104UT135ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 5/1/2004 0:00 | 050104UT135ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |

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Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT135A | 5/1/2004 0:00 | 050104UT135ASW001 | Arsenic | 1.9 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 5/1/2004 0:00 | 050104UT135ASW001 | Arsenic | 1.14 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 5/1/2004 0:00 | 050104UT135ASW001 | Barium | 8.44 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 5/1/2004 0:00 | 050104UT135ASW001 | Barium | 4.83 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 5/1/2004 0:00 | 050104UT135ASW001 | Beryllium | 0.0161 | UG/L | J | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 5/1/2004 0:00 | 050104UT135ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 5/1/2004 0:00 | 050104UT135ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 5/1/2004 0:00 | 050104UT135ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 5/1/2004 0:00 | 050104UT135ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 5/1/2004 0:00 | 050104UT135ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 5/1/2004 0:00 | 050104UT135ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 5/1/2004 0:00 | 050104UT135ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 5/1/2004 0:00 | 050104UT135ASW001 | Calcium | 4910 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 5/1/2004 0:00 | 050104UT135ASW001 | Calcium | 4880 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 5/1/2004 0:00 | 050104UT135ASW001 | Chloride | 0.843 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 5/1/2004 0:00 | 050104UT135ASW001 | Chromium | 0.445 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 5/1/2004 0:00 | 050104UT135ASW001 | Chromium | 0.159 | UG/L | J | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 5/1/2004 0:00 | 050104UT135ASW001 | Cobalt | 0.179 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 5/1/2004 0:00 | 050104UT135ASW001 | Cobalt | 0.235 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 5/1/2004 0:00 | 050104UT135ASW001 | Copper | 0.538 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 5/1/2004 0:00 | 050104UT135ASW001 | Copper | 0.398 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 5/1/2004 0:00 | 050104UT135ASW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 5/1/2004 0:00 | 050104UT135ASW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 5/1/2004 0:00 | 050104UT135ASW001 | Fluoride | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 5/1/2004 0:00 | 050104UT135ASW001 | Hardness as CaCO3 | 16.5 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 5/1/2004 0:00 | 050104UT135ASW001 | Hardness as CaCO3 | 16.2 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 5/1/2004 0:00 | 050104UT135ASW001 | Iron | 599 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 5/1/2004 0:00 | 050104UT135ASW001 | Iron | 220 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 5/1/2004 0:00 | 050104UT135ASW001 | Lead | 0.227 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 5/1/2004 0:00 | 050104UT135ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |

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Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT135A | 5/1/2004 0:00 | 050104UT135ASW001 | Magnesium | 1020 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 5/1/2004 0:00 | 050104UT135ASW001 | Magnesium | 990 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 5/1/2004 0:00 | 050104UT135ASW001 | Manganese | 52.9 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 5/1/2004 0:00 | 050104UT135ASW001 | Manganese | 41.6 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 5/1/2004 0:00 | 050104UT135ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 5/1/2004 0:00 | 050104UT135ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 5/1/2004 0:00 | 050104UT135ASW001 | Nickel | 0.341 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 5/1/2004 0:00 | 050104UT135ASW001 | Nickel | 0.21 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 5/1/2004 0:00 | 050104UT135ASW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 5/1/2004 0:00 | 050104UT135ASW001 | Nitrogen, Nitrate-Nitrite | 0.298 | MG/L | J- | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 5/1/2004 0:00 | 050104UT135ASW001 | pH | 6.9 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 5/1/2004 0:00 | 050104UT135ASW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 5/1/2004 0:00 | 050104UT135ASW001 | Potassium | 369 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 5/1/2004 0:00 | 050104UT135ASW001 | Potassium | 343 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 5/1/2004 0:00 | 050104UT135ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 5/1/2004 0:00 | 050104UT135ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 5/1/2004 0:00 | 050104UT135ASW001 | Silicon | 3170 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 5/1/2004 0:00 | 050104UT135ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 5/1/2004 0:00 | 050104UT135ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 5/1/2004 0:00 | 050104UT135ASW001 | Sodium | 1810 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 5/1/2004 0:00 | 050104UT135ASW001 | Sodium | 1900 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 5/1/2004 0:00 | 050104UT135ASW001 | Specific Conductance | 48 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 5/1/2004 0:00 | 050104UT135ASW001 | Sulfate | 1.63 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 5/1/2004 0:00 | 050104UT135ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 5/1/2004 0:00 | 050104UT135ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 5/1/2004 0:00 | 050104UT135ASW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 5/1/2004 0:00 | 050104UT135ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 5/1/2004 0:00 | 050104UT135ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 5/1/2004 0:00 | 050104UT135ASW001 | Total Dissolved Solids | 32.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 5/1/2004 0:00 | 050104UT135ASW001 | Total Suspended Solids | 8.86 | MG/L | | 1.43 | 0.429 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT135A | 5/1/2004 0:00 | 050104UT135ASW001 | Vanadium | 1.02 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 5/1/2004 0:00 | 050104UT135ASW001 | Vanadium | 0.405 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 5/1/2004 0:00 | 050104UT135ASW001 | Zinc | 4.14 | UG/L | | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 5/1/2004 0:00 | 050104UT135ASW001 | Zinc | 2.82 | UG/L | | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 5/20/2004 0:00 | 052004UT135ASW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 5/20/2004 0:00 | 052004UT135ASW001 | Alkalinity, Total | 20.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 5/20/2004 0:00 | 052004UT135ASW001 | Aluminum | 83.9 | UG/L | | 62.5 | 19.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 5/20/2004 0:00 | 052004UT135ASW001 | Aluminum | 23.2 | UG/L | J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 5/20/2004 0:00 | 052004UT135ASW001 | Antimony | 3.61 | UG/L | BQ1,BQ | 0.5 | 0.193 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 5/20/2004 0:00 | 052004UT135ASW001 | Antimony | 0.118 | UG/L | J,BQ1 | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 5/20/2004 0:00 | 052004UT135ASW001 | Arsenic | 1.82 | UG/L | | 1.25 | 0.625 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 5/20/2004 0:00 | 052004UT135ASW001 | Arsenic | 1.38 | UG/L | BQ1 | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 5/20/2004 0:00 | 052004UT135ASW001 | Barium | 5.36 | UG/L | | 0.75 | 0.235 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 5/20/2004 0:00 | 052004UT135ASW001 | Barium | 3.18 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 5/20/2004 0:00 | 052004UT135ASW001 | Beryllium | 0 | UG/L | | 0.075 | 0.0375 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 5/20/2004 0:00 | 052004UT135ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 5/20/2004 0:00 | 052004UT135ASW001 | Bismuth | 0 | UG/L | | 12.5 | 3.75 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 5/20/2004 0:00 | 052004UT135ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 5/20/2004 0:00 | 052004UT135ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 5/20/2004 0:00 | 052004UT135ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 5/20/2004 0:00 | 052004UT135ASW001 | Cadmium | 0 | UG/L | | 0.25 | 0.0775 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 5/20/2004 0:00 | 052004UT135ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 5/20/2004 0:00 | 052004UT135ASW001 | Calcium | 4650 | UG/L | | 125 | 37.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 5/20/2004 0:00 | 052004UT135ASW001 | Calcium | 4660 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 5/20/2004 0:00 | 052004UT135ASW001 | Chloride | 0.63 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 5/20/2004 0:00 | 052004UT135ASW001 | Chromium | 0.778 | UG/L | BQ1 | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 5/20/2004 0:00 | 052004UT135ASW001 | Chromium | 0.165 | UG/L | J,BQ1 | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 5/20/2004 0:00 | 052004UT135ASW001 | Cobalt | 0 | UG/L | | 0.25 | 0.0775 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 5/20/2004 0:00 | 052004UT135ASW001 | Cobalt | 2.62 | UG/L | J+ | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 5/20/2004 0:00 | 052004UT135ASW001 | Copper | 0.468 | UG/L | J,BQ1 | 0.5 | 0.155 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT135A | 5/20/2004 0:00 | 052004UT135ASW001 | Copper | 0.342 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 5/20/2004 0:00 | 052004UT135ASW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 5/20/2004 0:00 | 052004UT135ASW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 5/20/2004 0:00 | 052004UT135ASW001 | Fluoride | 0.032 | MG/L | J,BQ | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 5/20/2004 0:00 | 052004UT135ASW001 | Hardness as CaCO3 | 15.7 | MG/L | | 1.25 | 1.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 5/20/2004 0:00 | 052004UT135ASW001 | Hardness as CaCO3 | 15.6 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 5/20/2004 0:00 | 052004UT135ASW001 | Iron | 293 | UG/L | | 50 | 15.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 5/20/2004 0:00 | 052004UT135ASW001 | Iron | 194 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 5/20/2004 0:00 | 052004UT135ASW001 | Lead | 0 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 5/20/2004 0:00 | 052004UT135ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 5/20/2004 0:00 | 052004UT135ASW001 | Magnesium | 991 | UG/L | | 50 | 15.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 5/20/2004 0:00 | 052004UT135ASW001 | Magnesium | 949 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 5/20/2004 0:00 | 052004UT135ASW001 | Manganese | 22.1 | UG/L | | 2.5 | 1.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 5/20/2004 0:00 | 052004UT135ASW001 | Manganese | 23.5 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 5/20/2004 0:00 | 052004UT135ASW001 | Molybdenum | 0 | UG/L | | 2.5 | 0.775 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 5/20/2004 0:00 | 052004UT135ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 5/20/2004 0:00 | 052004UT135ASW001 | Nickel | 0.229 | UG/L | J,BQ1 | 0.5 | 0.155 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 5/20/2004 0:00 | 052004UT135ASW001 | Nickel | 0.416 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 5/20/2004 0:00 | 052004UT135ASW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 5/20/2004 0:00 | 052004UT135ASW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | R | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 5/20/2004 0:00 | 052004UT135ASW001 | pH | 7.2 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 5/20/2004 0:00 | 052004UT135ASW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 5/20/2004 0:00 | 052004UT135ASW001 | Potassium | 296 | UG/L | | 125 | 37.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 5/20/2004 0:00 | 052004UT135ASW001 | Potassium | 250 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 5/20/2004 0:00 | 052004UT135ASW001 | Selenium | 0 | UG/L | | 2.5 | 0.775 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 5/20/2004 0:00 | 052004UT135ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 5/20/2004 0:00 | 052004UT135ASW001 | Silicon | 2940 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 5/20/2004 0:00 | 052004UT135ASW001 | Silver | 0 | UG/L | | 0.05 | 0.0155 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 5/20/2004 0:00 | 052004UT135ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 5/20/2004 0:00 | 052004UT135ASW001 | Sodium | 2060 | UG/L | | 250 | 77.5 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT135A | 5/20/2004 0:00 | 052004UT135ASW001 | Sodium | 1860 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 5/20/2004 0:00 | 052004UT135ASW001 | Specific Conductance | 41 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 5/20/2004 0:00 | 052004UT135ASW001 | Sulfate | 1.59 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 5/20/2004 0:00 | 052004UT135ASW001 | Thallium | 0 | UG/L | | 0.125 | 0.0625 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 5/20/2004 0:00 | 052004UT135ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 5/20/2004 0:00 | 052004UT135ASW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 5/20/2004 0:00 | 052004UT135ASW001 | Tin | 1.76 | UG/L | J,BQ1 | 2.5 | 0.775 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 5/20/2004 0:00 | 052004UT135ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 5/20/2004 0:00 | 052004UT135ASW001 | Total Dissolved Solids | 46.3 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 5/20/2004 0:00 | 052004UT135ASW001 | Total Suspended Solids | 0.9 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 5/20/2004 0:00 | 052004UT135ASW001 | Vanadium | 0.875 | UG/L | J,BQ1 | 1 | 0.625 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 5/20/2004 0:00 | 052004UT135ASW001 | Vanadium | 0.558 | UG/L | BQ1,BQ | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 5/20/2004 0:00 | 052004UT135ASW001 | Zinc | 3.84 | UG/L | BQ1 | 3.75 | 1.18 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 5/20/2004 0:00 | 052004UT135ASW001 | Zinc | 2.42 | UG/L | BQ1 | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 6/17/2004 0:00 | 061704UT135ASW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 6/17/2004 0:00 | 061704UT135ASW001 | Alkalinity, Total | 26 | MG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 6/17/2004 0:00 | 061704UT135ASW001 | Aluminum | 35 | UG/L | BQ,BQ1 | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 6/17/2004 0:00 | 061704UT135ASW001 | Aluminum | 11.5 | UG/L | BQ,BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 6/17/2004 0:00 | 061704UT135ASW001 | Antimony | 0.722 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 6/17/2004 0:00 | 061704UT135ASW001 | Antimony | 0.211 | UG/L | | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 6/17/2004 0:00 | 061704UT135ASW001 | Arsenic | 2.02 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 6/17/2004 0:00 | 061704UT135ASW001 | Arsenic | 1.48 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 6/17/2004 0:00 | 061704UT135ASW001 | Barium | 5.47 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 6/17/2004 0:00 | 061704UT135ASW001 | Barium | 5.08 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 6/17/2004 0:00 | 061704UT135ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 6/17/2004 0:00 | 061704UT135ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 6/17/2004 0:00 | 061704UT135ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 6/17/2004 0:00 | 061704UT135ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 6/17/2004 0:00 | 061704UT135ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 6/17/2004 0:00 | 061704UT135ASW001 | Boron | 3.32 | UG/L | J | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT135A | 6/17/2004 0:00 | 061704UT135ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 6/17/2004 0:00 | 061704UT135ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 6/17/2004 0:00 | 061704UT135ASW001 | Calcium | 6090 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 6/17/2004 0:00 | 061704UT135ASW001 | Calcium | 6020 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 6/17/2004 0:00 | 061704UT135ASW001 | Chloride | 0.65 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 6/17/2004 0:00 | 061704UT135ASW001 | Chromium | 0.299 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 6/17/2004 0:00 | 061704UT135ASW001 | Chromium | 0.136 | UG/L | J | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 6/17/2004 0:00 | 061704UT135ASW001 | Cobalt | 0.0746 | UG/L | BQ1,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 6/17/2004 0:00 | 061704UT135ASW001 | Cobalt | 1.61 | UG/L | BQ1,J | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 6/17/2004 0:00 | 061704UT135ASW001 | Copper | 0.498 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 6/17/2004 0:00 | 061704UT135ASW001 | Copper | 0.263 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 6/17/2004 0:00 | 061704UT135ASW001 | Cyanide | 0.0039 | MG/L | J | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 6/17/2004 0:00 | 061704UT135ASW001 | Cyanide, Weak Acid Dissociable | 0.0028 | MG/L | J | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 6/17/2004 0:00 | 061704UT135ASW001 | Fluoride | 0.124 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 6/17/2004 0:00 | 061704UT135ASW001 | Hardness as CaCO3 | 20.1 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 6/17/2004 0:00 | 061704UT135ASW001 | Hardness as CaCO3 | 19.9 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 6/17/2004 0:00 | 061704UT135ASW001 | Iron | 285 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 6/17/2004 0:00 | 061704UT135ASW001 | Iron | 158 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 6/17/2004 0:00 | 061704UT135ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 6/17/2004 0:00 | 061704UT135ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 6/17/2004 0:00 | 061704UT135ASW001 | Magnesium | 1180 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 6/17/2004 0:00 | 061704UT135ASW001 | Magnesium | 1180 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 6/17/2004 0:00 | 061704UT135ASW001 | Manganese | 33.6 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 6/17/2004 0:00 | 061704UT135ASW001 | Manganese | 33.4 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 6/17/2004 0:00 | 061704UT135ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 6/17/2004 0:00 | 061704UT135ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 6/17/2004 0:00 | 061704UT135ASW001 | Nickel | 0.268 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 6/17/2004 0:00 | 061704UT135ASW001 | Nickel | 0.27 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 6/17/2004 0:00 | 061704UT135ASW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 6/17/2004 0:00 | 061704UT135ASW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | R | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT135A | 6/17/2004 0:00 | 061704UT135ASW001 | pH | 7.26 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 6/17/2004 0:00 | 061704UT135ASW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 6/17/2004 0:00 | 061704UT135ASW001 | Potassium | 248 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 6/17/2004 0:00 | 061704UT135ASW001 | Potassium | 242 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 6/17/2004 0:00 | 061704UT135ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 6/17/2004 0:00 | 061704UT135ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 6/17/2004 0:00 | 061704UT135ASW001 | Silicon | 3090 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 6/17/2004 0:00 | 061704UT135ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 6/17/2004 0:00 | 061704UT135ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 6/17/2004 0:00 | 061704UT135ASW001 | Sodium | 2060 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 6/17/2004 0:00 | 061704UT135ASW001 | Sodium | 2090 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 6/17/2004 0:00 | 061704UT135ASW001 | Specific Conductance | 55 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 6/17/2004 0:00 | 061704UT135ASW001 | Sulfate | 2.3 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 6/17/2004 0:00 | 061704UT135ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 6/17/2004 0:00 | 061704UT135ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 6/17/2004 0:00 | 061704UT135ASW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 6/17/2004 0:00 | 061704UT135ASW001 | Tin | 2.3 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 6/17/2004 0:00 | 061704UT135ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 6/17/2004 0:00 | 061704UT135ASW001 | Total Dissolved Solids | 18.8 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 6/17/2004 0:00 | 061704UT135ASW001 | Total Suspended Solids | 1.8 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 6/17/2004 0:00 | 061704UT135ASW001 | Vanadium | 0.415 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 6/17/2004 0:00 | 061704UT135ASW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 6/17/2004 0:00 | 061704UT135ASW001 | Zinc | 1.23 | UG/L | BQ,BQ1,J | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 6/17/2004 0:00 | 061704UT135ASW001 | Zinc | 1.76 | UG/L | BQ,BQ1 | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 7/15/2004 0:00 | 071504UT135ASW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 7/15/2004 0:00 | 071504UT135ASW001 | Alkalinity, Total | 30.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 7/15/2004 0:00 | 071504UT135ASW001 | Aluminum | 14.3 | UG/L | BQ1,J | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 7/15/2004 0:00 | 071504UT135ASW001 | Aluminum | 22.5 | UG/L | BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 7/15/2004 0:00 | 071504UT135ASW001 | Antimony | 0.166 | UG/L | BQ1,J | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 7/15/2004 0:00 | 071504UT135ASW001 | Antimony | 0.139 | UG/L | BQ,BQ1,J | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT135A | 7/15/2004 0:00 | 071504UT135ASW001 | Arsenic | 2.57 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 7/15/2004 0:00 | 071504UT135ASW001 | Arsenic | 1.94 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 7/15/2004 0:00 | 071504UT135ASW001 | Barium | 5.63 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 7/15/2004 0:00 | 071504UT135ASW001 | Barium | 5.33 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 7/15/2004 0:00 | 071504UT135ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 7/15/2004 0:00 | 071504UT135ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 7/15/2004 0:00 | 071504UT135ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 7/15/2004 0:00 | 071504UT135ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 7/15/2004 0:00 | 071504UT135ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 7/15/2004 0:00 | 071504UT135ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 7/15/2004 0:00 | 071504UT135ASW001 | Cadmium | 0.0779 | UG/L | BQ1,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 7/15/2004 0:00 | 071504UT135ASW001 | Cadmium | 0.0675 | UG/L | BQ1,J | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 7/15/2004 0:00 | 071504UT135ASW001 | Calcium | 7630 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 7/15/2004 0:00 | 071504UT135ASW001 | Calcium | 6820 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 7/15/2004 0:00 | 071504UT135ASW001 | Chloride | 0.617 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 7/15/2004 0:00 | 071504UT135ASW001 | Chromium | 0.236 | UG/L | BQ1 | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 7/15/2004 0:00 | 071504UT135ASW001 | Chromium | 0.179 | UG/L | BQ1,J | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 7/15/2004 0:00 | 071504UT135ASW001 | Cobalt | 0 | UG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 7/15/2004 0:00 | 071504UT135ASW001 | Cobalt | 2.11 | UG/L | J | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 7/15/2004 0:00 | 071504UT135ASW001 | Copper | 0.194 | UG/L | BQ1,J | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 7/15/2004 0:00 | 071504UT135ASW001 | Copper | 0.181 | UG/L | BQ1,J | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 7/15/2004 0:00 | 071504UT135ASW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 7/15/2004 0:00 | 071504UT135ASW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 7/15/2004 0:00 | 071504UT135ASW001 | Fluoride | 0.038 | MG/L | BQ,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 7/15/2004 0:00 | 071504UT135ASW001 | Hardness as CaCO3 | 25.2 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 7/15/2004 0:00 | 071504UT135ASW001 | Hardness as CaCO3 | 23 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 7/15/2004 0:00 | 071504UT135ASW001 | Iron | 337 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 7/15/2004 0:00 | 071504UT135ASW001 | Iron | 190 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 7/15/2004 0:00 | 071504UT135ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 7/15/2004 0:00 | 071504UT135ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT135A | 7/15/2004 0:00 | 071504UT135ASW001 | Magnesium | 1490 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 7/15/2004 0:00 | 071504UT135ASW001 | Magnesium | 1460 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 7/15/2004 0:00 | 071504UT135ASW001 | Manganese | 18.8 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 7/15/2004 0:00 | 071504UT135ASW001 | Manganese | 19 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 7/15/2004 0:00 | 071504UT135ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 7/15/2004 0:00 | 071504UT135ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 7/15/2004 0:00 | 071504UT135ASW001 | Nickel | 0.27 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 7/15/2004 0:00 | 071504UT135ASW001 | Nickel | 0.356 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 7/15/2004 0:00 | 071504UT135ASW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 7/15/2004 0:00 | 071504UT135ASW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | | 2 | 0.62 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 7/15/2004 0:00 | 071504UT135ASW001 | pH | 7.58 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 7/15/2004 0:00 | 071504UT135ASW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 7/15/2004 0:00 | 071504UT135ASW001 | Potassium | 264 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 7/15/2004 0:00 | 071504UT135ASW001 | Potassium | 249 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 7/15/2004 0:00 | 071504UT135ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 7/15/2004 0:00 | 071504UT135ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 7/15/2004 0:00 | 071504UT135ASW001 | Silicon | 3580 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 7/15/2004 0:00 | 071504UT135ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 7/15/2004 0:00 | 071504UT135ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 7/15/2004 0:00 | 071504UT135ASW001 | Sodium | 2480 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 7/15/2004 0:00 | 071504UT135ASW001 | Sodium | 2420 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 7/15/2004 0:00 | 071504UT135ASW001 | Specific Conductance | 70 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 7/15/2004 0:00 | 071504UT135ASW001 | Sulfate | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 7/15/2004 0:00 | 071504UT135ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 7/15/2004 0:00 | 071504UT135ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 7/15/2004 0:00 | 071504UT135ASW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 7/15/2004 0:00 | 071504UT135ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 7/15/2004 0:00 | 071504UT135ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 7/15/2004 0:00 | 071504UT135ASW001 | Total Dissolved Solids | 60 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 7/15/2004 0:00 | 071504UT135ASW001 | Total Suspended Solids | 0.6 | MG/L | J | 1 | 0.3 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT135A | 7/15/2004 0:00 | 071504UT135ASW001 | Vanadium | 0.382 | UG/L | J | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 7/15/2004 0:00 | 071504UT135ASW001 | Vanadium | 0.282 | UG/L | J | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 7/15/2004 0:00 | 071504UT135ASW001 | Zinc | 1.03 | UG/L | BQ1,J | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 7/15/2004 0:00 | 071504UT135ASW001 | Zinc | 0.993 | UG/L | BQ1,J | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 8/25/2004 0:00 | 082504UT135ASW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 8/25/2004 0:00 | 082504UT135ASW001 | Alkalinity, Total | 31.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 8/25/2004 0:00 | 082504UT135ASW001 | Aluminum | 20.2 | UG/L | BQ,BQ1,J | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 8/25/2004 0:00 | 082504UT135ASW001 | Aluminum | 32.1 | UG/L | BQ,BQ1 | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 8/25/2004 0:00 | 082504UT135ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 8/25/2004 0:00 | 082504UT135ASW001 | Antimony | 0.109 | UG/L | BQ1,J | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 8/25/2004 0:00 | 082504UT135ASW001 | Arsenic | 1.97 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 8/25/2004 0:00 | 082504UT135ASW001 | Arsenic | 1.6 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 8/25/2004 0:00 | 082504UT135ASW001 | Barium | 5.05 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 8/25/2004 0:00 | 082504UT135ASW001 | Barium | 4.63 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 8/25/2004 0:00 | 082504UT135ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 8/25/2004 0:00 | 082504UT135ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 8/25/2004 0:00 | 082504UT135ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 8/25/2004 0:00 | 082504UT135ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 8/25/2004 0:00 | 082504UT135ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 8/25/2004 0:00 | 082504UT135ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 8/25/2004 0:00 | 082504UT135ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 8/25/2004 0:00 | 082504UT135ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 8/25/2004 0:00 | 082504UT135ASW001 | Calcium | 7890 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 8/25/2004 0:00 | 082504UT135ASW001 | Calcium | 7920 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 8/25/2004 0:00 | 082504UT135ASW001 | Chloride | 0.723 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 8/25/2004 0:00 | 082504UT135ASW001 | Chromium | 0.186 | UG/L | BQ1,J | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 8/25/2004 0:00 | 082504UT135ASW001 | Chromium | 0.15 | UG/L | BQ1,J | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 8/25/2004 0:00 | 082504UT135ASW001 | Cobalt | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 8/25/2004 0:00 | 082504UT135ASW001 | Cobalt | 0.68 | UG/L | BQ1 | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 8/25/2004 0:00 | 082504UT135ASW001 | Copper | 0.202 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT135A | 8/25/2004 0:00 | 082504UT135ASW001 | Copper | 0.203 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 8/25/2004 0:00 | 082504UT135ASW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 8/25/2004 0:00 | 082504UT135ASW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 8/25/2004 0:00 | 082504UT135ASW001 | Fluoride | 0.034 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 8/25/2004 0:00 | 082504UT135ASW001 | Hardness as CaCO3 | 26.2 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 8/25/2004 0:00 | 082504UT135ASW001 | Hardness as CaCO3 | 26.6 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 8/25/2004 0:00 | 082504UT135ASW001 | Iron | 302 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 8/25/2004 0:00 | 082504UT135ASW001 | Iron | 185 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 8/25/2004 0:00 | 082504UT135ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 8/25/2004 0:00 | 082504UT135ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 8/25/2004 0:00 | 082504UT135ASW001 | Magnesium | 1570 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 8/25/2004 0:00 | 082504UT135ASW001 | Magnesium | 1650 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 8/25/2004 0:00 | 082504UT135ASW001 | Manganese | 4.85 | UG/L | BQ1 | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 8/25/2004 0:00 | 082504UT135ASW001 | Manganese | 4.77 | UG/L | BQ1 | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 8/25/2004 0:00 | 082504UT135ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 8/25/2004 0:00 | 082504UT135ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 8/25/2004 0:00 | 082504UT135ASW001 | Nickel | 0.192 | UG/L | J | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 8/25/2004 0:00 | 082504UT135ASW001 | Nickel | 0 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 8/25/2004 0:00 | 082504UT135ASW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 8/25/2004 0:00 | 082504UT135ASW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 8/25/2004 0:00 | 082504UT135ASW001 | pH | 7.77 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 8/25/2004 0:00 | 082504UT135ASW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 8/25/2004 0:00 | 082504UT135ASW001 | Potassium | 308 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 8/25/2004 0:00 | 082504UT135ASW001 | Potassium | 336 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 8/25/2004 0:00 | 082504UT135ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 8/25/2004 0:00 | 082504UT135ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 8/25/2004 0:00 | 082504UT135ASW001 | Silicon | 3890 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 8/25/2004 0:00 | 082504UT135ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 8/25/2004 0:00 | 082504UT135ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 8/25/2004 0:00 | 082504UT135ASW001 | Sodium | 2600 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT135A | 8/25/2004 0:00 | 082504UT135ASW001 | Sodium | 2800 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 8/25/2004 0:00 | 082504UT135ASW001 | Specific Conductance | 70 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 8/25/2004 0:00 | 082504UT135ASW001 | Sulfate | 2.62 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 8/25/2004 0:00 | 082504UT135ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 8/25/2004 0:00 | 082504UT135ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 8/25/2004 0:00 | 082504UT135ASW001 | Thiocyanate | 0.17 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 8/25/2004 0:00 | 082504UT135ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 8/25/2004 0:00 | 082504UT135ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 8/25/2004 0:00 | 082504UT135ASW001 | Total Dissolved Solids | 57.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 8/25/2004 0:00 | 082504UT135ASW001 | Total Suspended Solids | 0.5 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 8/25/2004 0:00 | 082504UT135ASW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 8/25/2004 0:00 | 082504UT135ASW001 | Vanadium | 0.265 | UG/L | J | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 8/25/2004 0:00 | 082504UT135ASW001 | Zinc | 1 | UG/L | BQ1,J | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 8/25/2004 0:00 | 082504UT135ASW001 | Zinc | 0.839 | UG/L | BQ1,J | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 9/16/2004 0:00 | 091604UT135ASW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 9/16/2004 0:00 | 091604UT135ASW001 | Alkalinity, Total | 31.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 9/16/2004 0:00 | 091604UT135ASW001 | Aluminum | 28.5 | UG/L | BQ1 | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 9/16/2004 0:00 | 091604UT135ASW001 | Aluminum | 11.7 | UG/L | BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 9/16/2004 0:00 | 091604UT135ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 9/16/2004 0:00 | 091604UT135ASW001 | Antimony | 0.102 | UG/L | J | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 9/16/2004 0:00 | 091604UT135ASW001 | Arsenic | 1.29 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 9/16/2004 0:00 | 091604UT135ASW001 | Arsenic | 0.973 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 9/16/2004 0:00 | 091604UT135ASW001 | Barium | 5.04 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 9/16/2004 0:00 | 091604UT135ASW001 | Barium | 4.81 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 9/16/2004 0:00 | 091604UT135ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 9/16/2004 0:00 | 091604UT135ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 9/16/2004 0:00 | 091604UT135ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 9/16/2004 0:00 | 091604UT135ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 9/16/2004 0:00 | 091604UT135ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 9/16/2004 0:00 | 091604UT135ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT135A | 9/16/2004 0:00 | 091604UT135ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 9/16/2004 0:00 | 091604UT135ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 9/16/2004 0:00 | 091604UT135ASW001 | Calcium | 6410 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 9/16/2004 0:00 | 091604UT135ASW001 | Calcium | 6710 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 9/16/2004 0:00 | 091604UT135ASW001 | Chloride | 0.82 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 9/16/2004 0:00 | 091604UT135ASW001 | Chromium | 0.173 | UG/L | J | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 9/16/2004 0:00 | 091604UT135ASW001 | Chromium | 0.131 | UG/L | J | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 9/16/2004 0:00 | 091604UT135ASW001 | Cobalt | 0.778 | UG/L | J,BQ1 | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 9/16/2004 0:00 | 091604UT135ASW001 | Cobalt | 0.0408 | UG/L | BQ1,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 9/16/2004 0:00 | 091604UT135ASW001 | Copper | 0.303 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 9/16/2004 0:00 | 091604UT135ASW001 | Copper | 0.201 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 9/16/2004 0:00 | 091604UT135ASW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 9/16/2004 0:00 | 091604UT135ASW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 9/16/2004 0:00 | 091604UT135ASW001 | Fluoride | 0.079 | MG/L | BQ,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 9/16/2004 0:00 | 091604UT135ASW001 | Hardness as CaCO3 | 21.7 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 9/16/2004 0:00 | 091604UT135ASW001 | Hardness as CaCO3 | 22.6 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 9/16/2004 0:00 | 091604UT135ASW001 | Iron | 275 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 9/16/2004 0:00 | 091604UT135ASW001 | Iron | 174 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 9/16/2004 0:00 | 091604UT135ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 9/16/2004 0:00 | 091604UT135ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 9/16/2004 0:00 | 091604UT135ASW001 | Magnesium | 1380 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 9/16/2004 0:00 | 091604UT135ASW001 | Magnesium | 1410 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 9/16/2004 0:00 | 091604UT135ASW001 | Manganese | 10.7 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 9/16/2004 0:00 | 091604UT135ASW001 | Manganese | 10.2 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 9/16/2004 0:00 | 091604UT135ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 9/16/2004 0:00 | 091604UT135ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 9/16/2004 0:00 | 091604UT135ASW001 | Nickel | 0.537 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 9/16/2004 0:00 | 091604UT135ASW001 | Nickel | 0.566 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 9/16/2004 0:00 | 091604UT135ASW001 | Nitrogen, Ammonia (as N) | 0.0567 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 9/16/2004 0:00 | 091604UT135ASW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT135A | 9/16/2004 0:00 | 091604UT135ASW001 | pH | 7.66 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 9/16/2004 0:00 | 091604UT135ASW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 9/16/2004 0:00 | 091604UT135ASW001 | Potassium | 297 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 9/16/2004 0:00 | 091604UT135ASW001 | Potassium | 304 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 9/16/2004 0:00 | 091604UT135ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 9/16/2004 0:00 | 091604UT135ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 9/16/2004 0:00 | 091604UT135ASW001 | Silicon | 3930 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 9/16/2004 0:00 | 091604UT135ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 9/16/2004 0:00 | 091604UT135ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 9/16/2004 0:00 | 091604UT135ASW001 | Sodium | 2300 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 9/16/2004 0:00 | 091604UT135ASW001 | Sodium | 2380 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 9/16/2004 0:00 | 091604UT135ASW001 | Specific Conductance | 70 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 9/16/2004 0:00 | 091604UT135ASW001 | Sulfate | 2.61 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 9/16/2004 0:00 | 091604UT135ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 9/16/2004 0:00 | 091604UT135ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 9/16/2004 0:00 | 091604UT135ASW001 | Thiocyanate | 0.26 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 9/16/2004 0:00 | 091604UT135ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 9/16/2004 0:00 | 091604UT135ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 9/16/2004 0:00 | 091604UT135ASW001 | Total Dissolved Solids | 43.8 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 9/16/2004 0:00 | 091604UT135ASW001 | Total Suspended Solids | 0.8 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 9/16/2004 0:00 | 091604UT135ASW001 | Vanadium | 0.393 | UG/L | J | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 9/16/2004 0:00 | 091604UT135ASW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 9/16/2004 0:00 | 091604UT135ASW001 | Zinc | 0.782 | UG/L | BQ1,J | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 9/16/2004 0:00 | 091604UT135ASW001 | Zinc | 0.601 | UG/L | BQ1,J | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 10/15/2004 0:00 | 101504UT135ASW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 10/15/2004 0:00 | 101504UT135ASW001 | Alkalinity, Total | 25.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 10/15/2004 0:00 | 101504UT135ASW001 | Aluminum | 17.1 | UG/L | BQ,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 10/15/2004 0:00 | 101504UT135ASW001 | Aluminum | 34.7 | UG/L | BQ1 | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 10/15/2004 0:00 | 101504UT135ASW001 | Antimony | 0.17 | UG/L | J | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 10/15/2004 0:00 | 101504UT135ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT135A | 10/15/2004 0:00 | 101504UT135ASW001 | Arsenic | 1.22 | UG/L | BQ,BQ1 | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 10/15/2004 0:00 | 101504UT135ASW001 | Arsenic | 1.55 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 10/15/2004 0:00 | 101504UT135ASW001 | Barium | 4.75 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 10/15/2004 0:00 | 101504UT135ASW001 | Barium | 5.15 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 10/15/2004 0:00 | 101504UT135ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 10/15/2004 0:00 | 101504UT135ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 10/15/2004 0:00 | 101504UT135ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 10/15/2004 0:00 | 101504UT135ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 10/15/2004 0:00 | 101504UT135ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 10/15/2004 0:00 | 101504UT135ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 10/15/2004 0:00 | 101504UT135ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 10/15/2004 0:00 | 101504UT135ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 10/15/2004 0:00 | 101504UT135ASW001 | Calcium | 5880 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 10/15/2004 0:00 | 101504UT135ASW001 | Calcium | 7000 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 10/15/2004 0:00 | 101504UT135ASW001 | Chloride | 1.04 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 10/15/2004 0:00 | 101504UT135ASW001 | Chromium | 0.196 | UG/L | BQ1,J | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 10/15/2004 0:00 | 101504UT135ASW001 | Chromium | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 10/15/2004 0:00 | 101504UT135ASW001 | Cobalt | 0.17 | UG/L | BQ1 | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 10/15/2004 0:00 | 101504UT135ASW001 | Cobalt | 0.0591 | UG/L | BQ1,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 10/15/2004 0:00 | 101504UT135ASW001 | Copper | 0.255 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 10/15/2004 0:00 | 101504UT135ASW001 | Copper | 0.327 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 10/15/2004 0:00 | 101504UT135ASW001 | Cyanide | 0.0047 | MG/L | BQ,J | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 10/15/2004 0:00 | 101504UT135ASW001 | Cyanide, Weak Acid Dissociable | 0.0038 | MG/L | BQ,J | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 10/15/2004 0:00 | 101504UT135ASW001 | Fluoride | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 10/15/2004 0:00 | 101504UT135ASW001 | Hardness as CaCO3 | 23.2 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 10/15/2004 0:00 | 101504UT135ASW001 | Iron | 102 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 10/15/2004 0:00 | 101504UT135ASW001 | Iron | 196 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 10/15/2004 0:00 | 101504UT135ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 10/15/2004 0:00 | 101504UT135ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 10/15/2004 0:00 | 101504UT135ASW001 | Magnesium | 1270 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT135A | 10/15/2004 0:00 | 101504UT135ASW001 | Magnesium | 1400 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 10/15/2004 0:00 | 101504UT135ASW001 | Manganese | 19.5 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 10/15/2004 0:00 | 101504UT135ASW001 | Manganese | 19.7 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 10/15/2004 0:00 | 101504UT135ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 10/15/2004 0:00 | 101504UT135ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 10/15/2004 0:00 | 101504UT135ASW001 | Nickel | 0.284 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 10/15/2004 0:00 | 101504UT135ASW001 | Nickel | 0.184 | UG/L | J | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 10/15/2004 0:00 | 101504UT135ASW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 10/15/2004 0:00 | 101504UT135ASW001 | Nitrogen, Nitrate-Nitrite | 2.91 | MG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 10/15/2004 0:00 | 101504UT135ASW001 | pH | 7.12 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 10/15/2004 0:00 | 101504UT135ASW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 10/15/2004 0:00 | 101504UT135ASW001 | Potassium | 282 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 10/15/2004 0:00 | 101504UT135ASW001 | Potassium | 329 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 10/15/2004 0:00 | 101504UT135ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 10/15/2004 0:00 | 101504UT135ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 10/15/2004 0:00 | 101504UT135ASW001 | Silicon | 4000 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 10/15/2004 0:00 | 101504UT135ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 10/15/2004 0:00 | 101504UT135ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 10/15/2004 0:00 | 101504UT135ASW001 | Sodium | 2290 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 10/15/2004 0:00 | 101504UT135ASW001 | Sodium | 2440 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 10/15/2004 0:00 | 101504UT135ASW001 | Specific Conductance | 65 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 10/15/2004 0:00 | 101504UT135ASW001 | Sulfate | 29.9 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 10/15/2004 0:00 | 101504UT135ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 10/15/2004 0:00 | 101504UT135ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 10/15/2004 0:00 | 101504UT135ASW001 | Thiocyanate | 0.23 | MG/L | | 1 | 0.059 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 10/15/2004 0:00 | 101504UT135ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 10/15/2004 0:00 | 101504UT135ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 10/15/2004 0:00 | 101504UT135ASW001 | Total Dissolved Solids | 60 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 10/15/2004 0:00 | 101504UT135ASW001 | Total Suspended Solids | 1.74 | MG/L | | 0.513 | 0.154 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 10/15/2004 0:00 | 101504UT135ASW001 | Vanadium | 0.27 | UG/L | J | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT135A | 10/15/2004 0:00 | 101504UT135ASW001 | Vanadium | 0.261 | UG/L | J | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135A | 10/15/2004 0:00 | 101504UT135ASW001 | Zinc | 0.897 | UG/L | BQ1,J | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135A | 10/15/2004 0:00 | 101504UT135ASW001 | Zinc | 2.37 | UG/L | BQ1 | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135B | 5/1/2004 0:00 | 050104UT135BSW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135B | 5/1/2004 0:00 | 050104UT135BSW001 | Alkalinity, Total | 20 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135B | 5/1/2004 0:00 | 050104UT135BSW001 | Aluminum | 295 | UG/L | | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135B | 5/1/2004 0:00 | 050104UT135BSW001 | Aluminum | 37.2 | UG/L | BQ1 | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135B | 5/1/2004 0:00 | 050104UT135BSW001 | Antimony | 3.18 | UG/L | J, BQ1 | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135B | 5/1/2004 0:00 | 050104UT135BSW001 | Antimony | 0 | UG/L | J | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135B | 5/1/2004 0:00 | 050104UT135BSW001 | Arsenic | 2.09 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135B | 5/1/2004 0:00 | 050104UT135BSW001 | Arsenic | 1.56 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135B | 5/1/2004 0:00 | 050104UT135BSW001 | Barium | 7.07 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135B | 5/1/2004 0:00 | 050104UT135BSW001 | Barium | 4.53 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135B | 5/1/2004 0:00 | 050104UT135BSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135B | 5/1/2004 0:00 | 050104UT135BSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135B | 5/1/2004 0:00 | 050104UT135BSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135B | 5/1/2004 0:00 | 050104UT135BSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135B | 5/1/2004 0:00 | 050104UT135BSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135B | 5/1/2004 0:00 | 050104UT135BSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135B | 5/1/2004 0:00 | 050104UT135BSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135B | 5/1/2004 0:00 | 050104UT135BSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135B | 5/1/2004 0:00 | 050104UT135BSW001 | Calcium | 5270 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135B | 5/1/2004 0:00 | 050104UT135BSW001 | Calcium | 5570 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135B | 5/1/2004 0:00 | 050104UT135BSW001 | Chloride | 0.902 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135B | 5/1/2004 0:00 | 050104UT135BSW001 | Chromium | 0.407 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135B | 5/1/2004 0:00 | 050104UT135BSW001 | Chromium | 0.376 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135B | 5/1/2004 0:00 | 050104UT135BSW001 | Cobalt | 0.314 | UG/L | J | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135B | 5/1/2004 0:00 | 050104UT135BSW001 | Cobalt | 0.117 | UG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135B | 5/1/2004 0:00 | 050104UT135BSW001 | Copper | 0.726 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135B | 5/1/2004 0:00 | 050104UT135BSW001 | Copper | 0.739 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT135B | 5/1/2004 0:00 | 050104UT135BSW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135B | 5/1/2004 0:00 | 050104UT135BSW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135B | 5/1/2004 0:00 | 050104UT135BSW001 | Fluoride | 0.032 | MG/L | J, BQ | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135B | 5/1/2004 0:00 | 050104UT135BSW001 | Hardness as CaCO3 | 17.7 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135B | 5/1/2004 0:00 | 050104UT135BSW001 | Hardness as CaCO3 | 18.5 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135B | 5/1/2004 0:00 | 050104UT135BSW001 | Iron | 83.4 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135B | 5/1/2004 0:00 | 050104UT135BSW001 | Iron | 340 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135B | 5/1/2004 0:00 | 050104UT135BSW001 | Lead | 0.106 | UG/L | J, BQ1 | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135B | 5/1/2004 0:00 | 050104UT135BSW001 | Lead | 0.214 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135B | 5/1/2004 0:00 | 050104UT135BSW001 | Magnesium | 1110 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135B | 5/1/2004 0:00 | 050104UT135BSW001 | Magnesium | 1100 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135B | 5/1/2004 0:00 | 050104UT135BSW001 | Manganese | 7.04 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135B | 5/1/2004 0:00 | 050104UT135BSW001 | Manganese | 21.3 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135B | 5/1/2004 0:00 | 050104UT135BSW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135B | 5/1/2004 0:00 | 050104UT135BSW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135B | 5/1/2004 0:00 | 050104UT135BSW001 | Nickel | 0.506 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135B | 5/1/2004 0:00 | 050104UT135BSW001 | Nickel | 0.499 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135B | 5/1/2004 0:00 | 050104UT135BSW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135B | 5/1/2004 0:00 | 050104UT135BSW001 | Nitrogen, Nitrate-Nitrite | 0.432 | MG/L | J- | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135B | 5/1/2004 0:00 | 050104UT135BSW001 | pH | 7 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135B | 5/1/2004 0:00 | 050104UT135BSW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135B | 5/1/2004 0:00 | 050104UT135BSW001 | Potassium | 391 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135B | 5/1/2004 0:00 | 050104UT135BSW001 | Potassium | 394 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135B | 5/1/2004 0:00 | 050104UT135BSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135B | 5/1/2004 0:00 | 050104UT135BSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135B | 5/1/2004 0:00 | 050104UT135BSW001 | Silicon | 3080 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135B | 5/1/2004 0:00 | 050104UT135BSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135B | 5/1/2004 0:00 | 050104UT135BSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135B | 5/1/2004 0:00 | 050104UT135BSW001 | Sodium | 1940 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135B | 5/1/2004 0:00 | 050104UT135BSW001 | Sodium | 1800 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT135B | 5/1/2004 0:00 | 050104UT135BSW001 | Specific Conductance | 48 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135B | 5/1/2004 0:00 | 050104UT135BSW001 | Sulfate | 1.92 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135B | 5/1/2004 0:00 | 050104UT135BSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135B | 5/1/2004 0:00 | 050104UT135BSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135B | 5/1/2004 0:00 | 050104UT135BSW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135B | 5/1/2004 0:00 | 050104UT135BSW001 | Tin | 0.702 | UG/L | J | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135B | 5/1/2004 0:00 | 050104UT135BSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135B | 5/1/2004 0:00 | 050104UT135BSW001 | Total Dissolved Solids | 55 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135B | 5/1/2004 0:00 | 050104UT135BSW001 | Total Suspended Solids | 9.33 | MG/L | | 0.513 | 0.154 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135B | 5/1/2004 0:00 | 050104UT135BSW001 | Vanadium | 0.258 | UG/L | J | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135B | 5/1/2004 0:00 | 050104UT135BSW001 | Vanadium | 0.667 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135B | 5/1/2004 0:00 | 050104UT135BSW001 | Zinc | 5.01 | UG/L | | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135B | 5/1/2004 0:00 | 050104UT135BSW001 | Zinc | 4.03 | UG/L | | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135B | 5/22/2004 0:00 | 052204UT135BSW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135B | 5/22/2004 0:00 | 052204UT135BSW001 | Alkalinity, Total | 18 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135B | 5/22/2004 0:00 | 052204UT135BSW001 | Aluminum | 56.6 | UG/L | BQ | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135B | 5/22/2004 0:00 | 052204UT135BSW001 | Aluminum | 29.9 | UG/L | | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135B | 5/22/2004 0:00 | 052204UT135BSW001 | Antimony | 3.46 | UG/L | BQ1 | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135B | 5/22/2004 0:00 | 052204UT135BSW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135B | 5/22/2004 0:00 | 052204UT135BSW001 | Arsenic | 1.61 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135B | 5/22/2004 0:00 | 052204UT135BSW001 | Arsenic | 1.34 | UG/L | BQ1 | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135B | 5/22/2004 0:00 | 052204UT135BSW001 | Barium | 4.23 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135B | 5/22/2004 0:00 | 052204UT135BSW001 | Barium | 3.86 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135B | 5/22/2004 0:00 | 052204UT135BSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135B | 5/22/2004 0:00 | 052204UT135BSW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135B | 5/22/2004 0:00 | 052204UT135BSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135B | 5/22/2004 0:00 | 052204UT135BSW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135B | 5/22/2004 0:00 | 052204UT135BSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135B | 5/22/2004 0:00 | 052204UT135BSW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135B | 5/22/2004 0:00 | 052204UT135BSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT135B | 5/22/2004 0:00 | 052204UT135BSW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135B | 5/22/2004 0:00 | 052204UT135BSW001 | Calcium | 4390 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135B | 5/22/2004 0:00 | 052204UT135BSW001 | Calcium | 4650 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135B | 5/22/2004 0:00 | 052204UT135BSW001 | Chloride | 0.568 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135B | 5/22/2004 0:00 | 052204UT135BSW001 | Chromium | 0.461 | UG/L | BQ1 | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135B | 5/22/2004 0:00 | 052204UT135BSW001 | Chromium | 0.14 | UG/L | J,BQ1 | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135B | 5/22/2004 0:00 | 052204UT135BSW001 | Cobalt | 0.0358 | UG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135B | 5/22/2004 0:00 | 052204UT135BSW001 | Cobalt | 1.72 | UG/L | J+ | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135B | 5/22/2004 0:00 | 052204UT135BSW001 | Copper | 0.25 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135B | 5/22/2004 0:00 | 052204UT135BSW001 | Copper | 0.236 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135B | 5/22/2004 0:00 | 052204UT135BSW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135B | 5/22/2004 0:00 | 052204UT135BSW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135B | 5/22/2004 0:00 | 052204UT135BSW001 | Fluoride | 0.035 | MG/L | J,BQ | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135B | 5/22/2004 0:00 | 052204UT135BSW001 | Hardness as CaCO3 | 14.7 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135B | 5/22/2004 0:00 | 052204UT135BSW001 | Hardness as CaCO3 | 15.5 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135B | 5/22/2004 0:00 | 052204UT135BSW001 | Iron | 126 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135B | 5/22/2004 0:00 | 052204UT135BSW001 | Iron | 41.8 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135B | 5/22/2004 0:00 | 052204UT135BSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135B | 5/22/2004 0:00 | 052204UT135BSW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135B | 5/22/2004 0:00 | 052204UT135BSW001 | Magnesium | 895 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135B | 5/22/2004 0:00 | 052204UT135BSW001 | Magnesium | 936 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135B | 5/22/2004 0:00 | 052204UT135BSW001 | Manganese | 6.34 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135B | 5/22/2004 0:00 | 052204UT135BSW001 | Manganese | 5.15 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135B | 5/22/2004 0:00 | 052204UT135BSW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135B | 5/22/2004 0:00 | 052204UT135BSW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135B | 5/22/2004 0:00 | 052204UT135BSW001 | Nickel | 0.131 | UG/L | J,BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135B | 5/22/2004 0:00 | 052204UT135BSW001 | Nickel | 0.325 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135B | 5/22/2004 0:00 | 052204UT135BSW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135B | 5/22/2004 0:00 | 052204UT135BSW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | R | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135B | 5/22/2004 0:00 | 052204UT135BSW001 | pH | 7.2 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |

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Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT135B | 5/22/2004 0:00 | 052204UT135BSW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135B | 5/22/2004 0:00 | 052204UT135BSW001 | Potassium | 247 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135B | 5/22/2004 0:00 | 052204UT135BSW001 | Potassium | 262 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135B | 5/22/2004 0:00 | 052204UT135BSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135B | 5/22/2004 0:00 | 052204UT135BSW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135B | 5/22/2004 0:00 | 052204UT135BSW001 | Silicon | 3100 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135B | 5/22/2004 0:00 | 052204UT135BSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135B | 5/22/2004 0:00 | 052204UT135BSW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135B | 5/22/2004 0:00 | 052204UT135BSW001 | Sodium | 1550 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135B | 5/22/2004 0:00 | 052204UT135BSW001 | Sodium | 1640 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135B | 5/22/2004 0:00 | 052204UT135BSW001 | Specific Conductance | 38 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135B | 5/22/2004 0:00 | 052204UT135BSW001 | Sulfate | 1.8 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135B | 5/22/2004 0:00 | 052204UT135BSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135B | 5/22/2004 0:00 | 052204UT135BSW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135B | 5/22/2004 0:00 | 052204UT135BSW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135B | 5/22/2004 0:00 | 052204UT135BSW001 | Tin | 0.618 | UG/L | J,BQ1 | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135B | 5/22/2004 0:00 | 052204UT135BSW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135B | 5/22/2004 0:00 | 052204UT135BSW001 | Total Dissolved Solids | 43.8 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135B | 5/22/2004 0:00 | 052204UT135BSW001 | Total Suspended Solids | 1.23 | MG/L | | 0.513 | 0.154 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135B | 5/22/2004 0:00 | 052204UT135BSW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135B | 5/22/2004 0:00 | 052204UT135BSW001 | Vanadium | 0.511 | UG/L | BQ1 | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT135B | 5/22/2004 0:00 | 052204UT135BSW001 | Zinc | 0.597 | UG/L | J,BQ1 | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT135B | 5/22/2004 0:00 | 052204UT135BSW001 | Zinc | 0.848 | UG/L | J,BQ1 | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 5/1/2004 0:00 | 050104UT138ASW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 5/1/2004 0:00 | 050104UT138ASW001 | Alkalinity, Total | 24 | MG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 5/1/2004 0:00 | 050104UT138ASW001 | Aluminum | 172 | UG/L | | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 5/1/2004 0:00 | 050104UT138ASW001 | Aluminum | 23.1 | UG/L | J, BQ1 | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 5/1/2004 0:00 | 050104UT138ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 5/1/2004 0:00 | 050104UT138ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 5/1/2004 0:00 | 050104UT138ASW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT138A | 5/1/2004 0:00 | 050104UT138ASW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 5/1/2004 0:00 | 050104UT138ASW001 | Barium | 8.12 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 5/1/2004 0:00 | 050104UT138ASW001 | Barium | 4.73 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 5/1/2004 0:00 | 050104UT138ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 5/1/2004 0:00 | 050104UT138ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 5/1/2004 0:00 | 050104UT138ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 5/1/2004 0:00 | 050104UT138ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 5/1/2004 0:00 | 050104UT138ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 5/1/2004 0:00 | 050104UT138ASW001 | Boron | 6.78 | UG/L | J | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 5/1/2004 0:00 | 050104UT138ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 5/1/2004 0:00 | 050104UT138ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 5/1/2004 0:00 | 050104UT138ASW001 | Calcium | 5720 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 5/1/2004 0:00 | 050104UT138ASW001 | Calcium | 4830 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 5/1/2004 0:00 | 050104UT138ASW001 | Chloride | 0.71 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 5/1/2004 0:00 | 050104UT138ASW001 | Chromium | 0.581 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 5/1/2004 0:00 | 050104UT138ASW001 | Chromium | 0.252 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 5/1/2004 0:00 | 050104UT138ASW001 | Cobalt | 0.238 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 5/1/2004 0:00 | 050104UT138ASW001 | Cobalt | 0.276 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 5/1/2004 0:00 | 050104UT138ASW001 | Copper | 0.63 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 5/1/2004 0:00 | 050104UT138ASW001 | Copper | 0.468 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 5/1/2004 0:00 | 050104UT138ASW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 5/1/2004 0:00 | 050104UT138ASW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 5/1/2004 0:00 | 050104UT138ASW001 | Fluoride | 0.031 | MG/L | J, BQ | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 5/1/2004 0:00 | 050104UT138ASW001 | Hardness as CaCO3 | 21.1 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 5/1/2004 0:00 | 050104UT138ASW001 | Hardness as CaCO3 | 18.4 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 5/1/2004 0:00 | 050104UT138ASW001 | Iron | 886 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 5/1/2004 0:00 | 050104UT138ASW001 | Iron | 386 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 5/1/2004 0:00 | 050104UT138ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 5/1/2004 0:00 | 050104UT138ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 5/1/2004 0:00 | 050104UT138ASW001 | Magnesium | 1660 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT138A | 5/1/2004 0:00 | 050104UT138ASW001 | Magnesium | 1530 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 5/1/2004 0:00 | 050104UT138ASW001 | Manganese | 61.4 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 5/1/2004 0:00 | 050104UT138ASW001 | Manganese | 32 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 5/1/2004 0:00 | 050104UT138ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 5/1/2004 0:00 | 050104UT138ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 5/1/2004 0:00 | 050104UT138ASW001 | Nickel | 0.642 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 5/1/2004 0:00 | 050104UT138ASW001 | Nickel | 0.285 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 5/1/2004 0:00 | 050104UT138ASW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 5/1/2004 0:00 | 050104UT138ASW001 | Nitrogen, Nitrate-Nitrite | 0.494 | MG/L | J- | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 5/1/2004 0:00 | 050104UT138ASW001 | pH | 6.3 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 5/1/2004 0:00 | 050104UT138ASW001 | Phosphorus, Total (as P) | 0.037 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 5/1/2004 0:00 | 050104UT138ASW001 | Potassium | 524 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 5/1/2004 0:00 | 050104UT138ASW001 | Potassium | 460 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 5/1/2004 0:00 | 050104UT138ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 5/1/2004 0:00 | 050104UT138ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 5/1/2004 0:00 | 050104UT138ASW001 | Silicon | 3560 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 5/1/2004 0:00 | 050104UT138ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 5/1/2004 0:00 | 050104UT138ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 5/1/2004 0:00 | 050104UT138ASW001 | Sodium | 2580 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 5/1/2004 0:00 | 050104UT138ASW001 | Sodium | 2430 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 5/1/2004 0:00 | 050104UT138ASW001 | Specific Conductance | 120 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 5/1/2004 0:00 | 050104UT138ASW001 | Sulfate | 1.11 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 5/1/2004 0:00 | 050104UT138ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 5/1/2004 0:00 | 050104UT138ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 5/1/2004 0:00 | 050104UT138ASW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 5/1/2004 0:00 | 050104UT138ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 5/1/2004 0:00 | 050104UT138ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 5/1/2004 0:00 | 050104UT138ASW001 | Total Dissolved Solids | 46.3 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 5/1/2004 0:00 | 050104UT138ASW001 | Total Suspended Solids | 7.4 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 5/1/2004 0:00 | 050104UT138ASW001 | Vanadium | 0.759 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |

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Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT138A | 5/1/2004 0:00 | 050104UT138ASW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 5/1/2004 0:00 | 050104UT138ASW001 | Zinc | 1.73 | UG/L | | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 5/1/2004 0:00 | 050104UT138ASW001 | Zinc | 8.26 | UG/L | | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 5/21/2004 0:00 | 052104UT138ASW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 5/21/2004 0:00 | 052104UT138ASW001 | Alkalinity, Total | 27.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 5/21/2004 0:00 | 052104UT138ASW001 | Aluminum | 37.2 | UG/L | | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 5/21/2004 0:00 | 052104UT138ASW001 | Aluminum | 14 | UG/L | J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 5/21/2004 0:00 | 052104UT138ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 5/21/2004 0:00 | 052104UT138ASW001 | Antimony | 0.186 | UG/L | J,BQ1,BQ | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 5/21/2004 0:00 | 052104UT138ASW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 5/21/2004 0:00 | 052104UT138ASW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 5/21/2004 0:00 | 052104UT138ASW001 | Barium | 4.5 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 5/21/2004 0:00 | 052104UT138ASW001 | Barium | 4.47 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 5/21/2004 0:00 | 052104UT138ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 5/21/2004 0:00 | 052104UT138ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 5/21/2004 0:00 | 052104UT138ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 5/21/2004 0:00 | 052104UT138ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 5/21/2004 0:00 | 052104UT138ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 5/21/2004 0:00 | 052104UT138ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 5/21/2004 0:00 | 052104UT138ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 5/21/2004 0:00 | 052104UT138ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 5/21/2004 0:00 | 052104UT138ASW001 | Calcium | 5600 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 5/21/2004 0:00 | 052104UT138ASW001 | Calcium | 5600 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 5/21/2004 0:00 | 052104UT138ASW001 | Chloride | 0.603 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 5/21/2004 0:00 | 052104UT138ASW001 | Chromium | 0.166 | UG/L | J,BQ1,BQ | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 5/21/2004 0:00 | 052104UT138ASW001 | Chromium | 0.11 | UG/L | J,BQ1 | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 5/21/2004 0:00 | 052104UT138ASW001 | Cobalt | 0.0472 | UG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 5/21/2004 0:00 | 052104UT138ASW001 | Cobalt | 2.17 | UG/L | J+ | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 5/21/2004 0:00 | 052104UT138ASW001 | Copper | 0.24 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 5/21/2004 0:00 | 052104UT138ASW001 | Copper | 0.26 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT138A | 5/21/2004 0:00 | 052104UT138ASW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 5/21/2004 0:00 | 052104UT138ASW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 5/21/2004 0:00 | 052104UT138ASW001 | Fluoride | 0.065 | MG/L | J,BQ | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 5/21/2004 0:00 | 052104UT138ASW001 | Hardness as CaCO3 | 20.3 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 5/21/2004 0:00 | 052104UT138ASW001 | Hardness as CaCO3 | 20.3 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 5/21/2004 0:00 | 052104UT138ASW001 | Iron | 129 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 5/21/2004 0:00 | 052104UT138ASW001 | Iron | 68.7 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 5/21/2004 0:00 | 052104UT138ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 5/21/2004 0:00 | 052104UT138ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 5/21/2004 0:00 | 052104UT138ASW001 | Magnesium | 1530 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 5/21/2004 0:00 | 052104UT138ASW001 | Magnesium | 1530 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 5/21/2004 0:00 | 052104UT138ASW001 | Manganese | 9.4 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 5/21/2004 0:00 | 052104UT138ASW001 | Manganese | 9.58 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 5/21/2004 0:00 | 052104UT138ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 5/21/2004 0:00 | 052104UT138ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 5/21/2004 0:00 | 052104UT138ASW001 | Nickel | 0.267 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 5/21/2004 0:00 | 052104UT138ASW001 | Nickel | 0.382 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 5/21/2004 0:00 | 052104UT138ASW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 5/21/2004 0:00 | 052104UT138ASW001 | Nitrogen, Nitrate-Nitrite | 0.046 | MG/L | J- | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 5/21/2004 0:00 | 052104UT138ASW001 | pH | 6.9 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 5/21/2004 0:00 | 052104UT138ASW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 5/21/2004 0:00 | 052104UT138ASW001 | Potassium | 372 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 5/21/2004 0:00 | 052104UT138ASW001 | Potassium | 376 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 5/21/2004 0:00 | 052104UT138ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 5/21/2004 0:00 | 052104UT138ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 5/21/2004 0:00 | 052104UT138ASW001 | Silicon | 4050 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 5/21/2004 0:00 | 052104UT138ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 5/21/2004 0:00 | 052104UT138ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 5/21/2004 0:00 | 052104UT138ASW001 | Sodium | 2670 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 5/21/2004 0:00 | 052104UT138ASW001 | Sodium | 2700 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |

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Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT138A | 5/21/2004 0:00 | 052104UT138ASW001 | Specific Conductance | 55 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 5/21/2004 0:00 | 052104UT138ASW001 | Sulfate | 0.902 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 5/21/2004 0:00 | 052104UT138ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 5/21/2004 0:00 | 052104UT138ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 5/21/2004 0:00 | 052104UT138ASW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 5/21/2004 0:00 | 052104UT138ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 5/21/2004 0:00 | 052104UT138ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 5/21/2004 0:00 | 052104UT138ASW001 | Total Dissolved Solids | 43.8 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 5/21/2004 0:00 | 052104UT138ASW001 | Total Suspended Solids | 1.3 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 5/21/2004 0:00 | 052104UT138ASW001 | Vanadium | 0.611 | UG/L | BQ1 | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 5/21/2004 0:00 | 052104UT138ASW001 | Vanadium | 0.459 | UG/L | BQ1 | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 5/21/2004 0:00 | 052104UT138ASW001 | Zinc | 1.1 | UG/L | J,BQ1 | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 5/21/2004 0:00 | 052104UT138ASW001 | Zinc | 1.06 | UG/L | J,BQ1 | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 6/17/2004 0:00 | 061704UT138ASW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 6/17/2004 0:00 | 061704UT138ASW001 | Alkalinity, Total | 33 | MG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 6/17/2004 0:00 | 061704UT138ASW001 | Aluminum | 74.3 | UG/L | | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 6/17/2004 0:00 | 061704UT138ASW001 | Aluminum | 23.3 | UG/L | BQ,BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 6/17/2004 0:00 | 061704UT138ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 6/17/2004 0:00 | 061704UT138ASW001 | Antimony | 0.212 | UG/L | | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 6/17/2004 0:00 | 061704UT138ASW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 6/17/2004 0:00 | 061704UT138ASW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 6/17/2004 0:00 | 061704UT138ASW001 | Barium | 5.69 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 6/17/2004 0:00 | 061704UT138ASW001 | Barium | 4.64 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 6/17/2004 0:00 | 061704UT138ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 6/17/2004 0:00 | 061704UT138ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 6/17/2004 0:00 | 061704UT138ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 6/17/2004 0:00 | 061704UT138ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 6/17/2004 0:00 | 061704UT138ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 6/17/2004 0:00 | 061704UT138ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 6/17/2004 0:00 | 061704UT138ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |

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Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT138A | 6/17/2004 0:00 | 061704UT138ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 6/17/2004 0:00 | 061704UT138ASW001 | Calcium | 6020 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 6/17/2004 0:00 | 061704UT138ASW001 | Calcium | 5880 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 6/17/2004 0:00 | 061704UT138ASW001 | Chloride | 0.491 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 6/17/2004 0:00 | 061704UT138ASW001 | Chromium | 0.22 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 6/17/2004 0:00 | 061704UT138ASW001 | Chromium | 0.238 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 6/17/2004 0:00 | 061704UT138ASW001 | Cobalt | 0.134 | UG/L | BQ1,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 6/17/2004 0:00 | 061704UT138ASW001 | Cobalt | 2.13 | UG/L | BQ1,J | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 6/17/2004 0:00 | 061704UT138ASW001 | Copper | 0.362 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 6/17/2004 0:00 | 061704UT138ASW001 | Copper | 0.274 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 6/17/2004 0:00 | 061704UT138ASW001 | Cyanide | 0.0066 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 6/17/2004 0:00 | 061704UT138ASW001 | Cyanide, Weak Acid Dissociable | 0.0068 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 6/17/2004 0:00 | 061704UT138ASW001 | Fluoride | 0.104 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 6/17/2004 0:00 | 061704UT138ASW001 | Hardness as CaCO3 | 21.7 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 6/17/2004 0:00 | 061704UT138ASW001 | Hardness as CaCO3 | 21 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 6/17/2004 0:00 | 061704UT138ASW001 | Iron | 120 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 6/17/2004 0:00 | 061704UT138ASW001 | Iron | 519 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 6/17/2004 0:00 | 061704UT138ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 6/17/2004 0:00 | 061704UT138ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 6/17/2004 0:00 | 061704UT138ASW001 | Magnesium | 1620 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 6/17/2004 0:00 | 061704UT138ASW001 | Magnesium | 1540 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 6/17/2004 0:00 | 061704UT138ASW001 | Manganese | 25.1 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 6/17/2004 0:00 | 061704UT138ASW001 | Manganese | 15.2 | UG/L | BQ1 | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 6/17/2004 0:00 | 061704UT138ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 6/17/2004 0:00 | 061704UT138ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 6/17/2004 0:00 | 061704UT138ASW001 | Nickel | 0.335 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 6/17/2004 0:00 | 061704UT138ASW001 | Nickel | 0.348 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 6/17/2004 0:00 | 061704UT138ASW001 | Nitrogen, Ammonia (as N) | 0.091 | MG/L | BQ,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 6/17/2004 0:00 | 061704UT138ASW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | R | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 6/17/2004 0:00 | 061704UT138ASW001 | pH | 7.34 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT138A | 6/17/2004 0:00 | 061704UT138ASW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 6/17/2004 0:00 | 061704UT138ASW001 | Potassium | 233 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 6/17/2004 0:00 | 061704UT138ASW001 | Potassium | 224 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 6/17/2004 0:00 | 061704UT138ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 6/17/2004 0:00 | 061704UT138ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 6/17/2004 0:00 | 061704UT138ASW001 | Silicon | 4480 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 6/17/2004 0:00 | 061704UT138ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 6/17/2004 0:00 | 061704UT138ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 6/17/2004 0:00 | 061704UT138ASW001 | Sodium | 3160 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 6/17/2004 0:00 | 061704UT138ASW001 | Sodium | 3080 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 6/17/2004 0:00 | 061704UT138ASW001 | Specific Conductance | 65 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 6/17/2004 0:00 | 061704UT138ASW001 | Sulfate | 0.759 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 6/17/2004 0:00 | 061704UT138ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 6/17/2004 0:00 | 061704UT138ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 6/17/2004 0:00 | 061704UT138ASW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 6/17/2004 0:00 | 061704UT138ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 6/17/2004 0:00 | 061704UT138ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 6/17/2004 0:00 | 061704UT138ASW001 | Total Dissolved Solids | 38.8 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 6/17/2004 0:00 | 061704UT138ASW001 | Total Suspended Solids | 4.8 | MG/L | | 1 | 0.3 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 6/17/2004 0:00 | 061704UT138ASW001 | Vanadium | 0.806 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 6/17/2004 0:00 | 061704UT138ASW001 | Vanadium | 0.509 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 6/17/2004 0:00 | 061704UT138ASW001 | Zinc | 1.81 | UG/L | BQ,BQ1 | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 6/17/2004 0:00 | 061704UT138ASW001 | Zinc | 1.04 | UG/L | BQ,BQ1,J | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 7/15/2004 0:00 | 071504UT138ASW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 7/15/2004 0:00 | 071504UT138ASW001 | Alkalinity, Total | 45.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 7/15/2004 0:00 | 071504UT138ASW001 | Aluminum | 42.7 | UG/L | BQ1 | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 7/15/2004 0:00 | 071504UT138ASW001 | Aluminum | 18 | UG/L | BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 7/15/2004 0:00 | 071504UT138ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 7/15/2004 0:00 | 071504UT138ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 7/15/2004 0:00 | 071504UT138ASW001 | Arsenic | 0.348 | UG/L | J | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |

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Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT138A | 7/15/2004 0:00 | 071504UT138ASW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 7/15/2004 0:00 | 071504UT138ASW001 | Barium | 6.76 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 7/15/2004 0:00 | 071504UT138ASW001 | Barium | 5.5 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 7/15/2004 0:00 | 071504UT138ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 7/15/2004 0:00 | 071504UT138ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 7/15/2004 0:00 | 071504UT138ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 7/15/2004 0:00 | 071504UT138ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 7/15/2004 0:00 | 071504UT138ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 7/15/2004 0:00 | 071504UT138ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 7/15/2004 0:00 | 071504UT138ASW001 | Cadmium | 0.0394 | UG/L | BQ1,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 7/15/2004 0:00 | 071504UT138ASW001 | Cadmium | 0.0633 | UG/L | BQ1,J | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 7/15/2004 0:00 | 071504UT138ASW001 | Calcium | 9530 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 7/15/2004 0:00 | 071504UT138ASW001 | Calcium | 8260 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 7/15/2004 0:00 | 071504UT138ASW001 | Chloride | 0.582 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 7/15/2004 0:00 | 071504UT138ASW001 | Chromium | 0.163 | UG/L | BQ,BQ1,J | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 7/15/2004 0:00 | 071504UT138ASW001 | Chromium | 0.284 | UG/L | BQ1 | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 7/15/2004 0:00 | 071504UT138ASW001 | Cobalt | 0.0785 | UG/L | BQ1,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 7/15/2004 0:00 | 071504UT138ASW001 | Cobalt | 0.433 | UG/L | BQ1,J | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 7/15/2004 0:00 | 071504UT138ASW001 | Copper | 0.224 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 7/15/2004 0:00 | 071504UT138ASW001 | Copper | 0.204 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 7/15/2004 0:00 | 071504UT138ASW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 7/15/2004 0:00 | 071504UT138ASW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 7/15/2004 0:00 | 071504UT138ASW001 | Fluoride | 0.065 | MG/L | BQ,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 7/15/2004 0:00 | 071504UT138ASW001 | Hardness as CaCO3 | 35.3 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 7/15/2004 0:00 | 071504UT138ASW001 | Hardness as CaCO3 | 30.8 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 7/15/2004 0:00 | 071504UT138ASW001 | Iron | 237 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 7/15/2004 0:00 | 071504UT138ASW001 | Iron | 77.1 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 7/15/2004 0:00 | 071504UT138ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 7/15/2004 0:00 | 071504UT138ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 7/15/2004 0:00 | 071504UT138ASW001 | Magnesium | 2800 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |

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Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT138A | 7/15/2004 0:00 | 071504UT138ASW001 | Magnesium | 2480 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 7/15/2004 0:00 | 071504UT138ASW001 | Manganese | 22.2 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 7/15/2004 0:00 | 071504UT138ASW001 | Manganese | 15.2 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 7/15/2004 0:00 | 071504UT138ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 7/15/2004 0:00 | 071504UT138ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 7/15/2004 0:00 | 071504UT138ASW001 | Nickel | 0.348 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 7/15/2004 0:00 | 071504UT138ASW001 | Nickel | 0.465 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 7/15/2004 0:00 | 071504UT138ASW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 7/15/2004 0:00 | 071504UT138ASW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | | 2 | 0.62 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 7/15/2004 0:00 | 071504UT138ASW001 | pH | 7.58 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 7/15/2004 0:00 | 071504UT138ASW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 7/15/2004 0:00 | 071504UT138ASW001 | Potassium | 371 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 7/15/2004 0:00 | 071504UT138ASW001 | Potassium | 312 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 7/15/2004 0:00 | 071504UT138ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 7/15/2004 0:00 | 071504UT138ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 7/15/2004 0:00 | 071504UT138ASW001 | Silicon | 5460 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 7/15/2004 0:00 | 071504UT138ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 7/15/2004 0:00 | 071504UT138ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 7/15/2004 0:00 | 071504UT138ASW001 | Sodium | 4430 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 7/15/2004 0:00 | 071504UT138ASW001 | Sodium | 3920 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 7/15/2004 0:00 | 071504UT138ASW001 | Specific Conductance | 97 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 7/15/2004 0:00 | 071504UT138ASW001 | Sulfate | 1.14 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 7/15/2004 0:00 | 071504UT138ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 7/15/2004 0:00 | 071504UT138ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 7/15/2004 0:00 | 071504UT138ASW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 7/15/2004 0:00 | 071504UT138ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 7/15/2004 0:00 | 071504UT138ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 7/15/2004 0:00 | 071504UT138ASW001 | Total Dissolved Solids | 63.8 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 7/15/2004 0:00 | 071504UT138ASW001 | Total Suspended Solids | 2.2 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 7/15/2004 0:00 | 071504UT138ASW001 | Vanadium | 0.577 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT138A | 7/15/2004 0:00 | 071504UT138ASW001 | Vanadium | 0.464 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 7/15/2004 0:00 | 071504UT138ASW001 | Zinc | 1.66 | UG/L | BQ1 | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 7/15/2004 0:00 | 071504UT138ASW001 | Zinc | 0.865 | UG/L | BQ1,J | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 8/18/2004 0:00 | 081804UT138ASW001 | Alkalinity, Total | 42.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 8/25/2004 0:00 | 082504UT138ASW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 8/25/2004 0:00 | 082504UT138ASW001 | Alkalinity, Total | 49 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 8/25/2004 0:00 | 082504UT138ASW001 | Aluminum | 16.5 | UG/L | BQ,BQ1,J | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 8/25/2004 0:00 | 082504UT138ASW001 | Aluminum | 13.9 | UG/L | BQ,BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 8/25/2004 0:00 | 082504UT138ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 8/25/2004 0:00 | 082504UT138ASW001 | Antimony | 0.0912 | UG/L | BQ1,J | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 8/25/2004 0:00 | 082504UT138ASW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 8/25/2004 0:00 | 082504UT138ASW001 | Arsenic | 0.352 | UG/L | J | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 8/25/2004 0:00 | 082504UT138ASW001 | Barium | 5.76 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 8/25/2004 0:00 | 082504UT138ASW001 | Barium | 7.7 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 8/25/2004 0:00 | 082504UT138ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 8/25/2004 0:00 | 082504UT138ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 8/25/2004 0:00 | 082504UT138ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 8/25/2004 0:00 | 082504UT138ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 8/25/2004 0:00 | 082504UT138ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 8/25/2004 0:00 | 082504UT138ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 8/25/2004 0:00 | 082504UT138ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 8/25/2004 0:00 | 082504UT138ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 8/25/2004 0:00 | 082504UT138ASW001 | Calcium | 9950 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 8/25/2004 0:00 | 082504UT138ASW001 | Calcium | 12200 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 8/25/2004 0:00 | 082504UT138ASW001 | Chloride | 0.699 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 8/25/2004 0:00 | 082504UT138ASW001 | Chromium | 0.201 | UG/L | BQ1 | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 8/25/2004 0:00 | 082504UT138ASW001 | Chromium | 0.272 | UG/L | BQ1 | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 8/25/2004 0:00 | 082504UT138ASW001 | Cobalt | 0.0438 | UG/L | BQ1,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 8/25/2004 0:00 | 082504UT138ASW001 | Cobalt | 0.502 | UG/L | BQ1 | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 8/25/2004 0:00 | 082504UT138ASW001 | Copper | 0.182 | UG/L | BQ1,J | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT138A | 8/25/2004 0:00 | 082504UT138ASW001 | Copper | 0.295 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 8/25/2004 0:00 | 082504UT138ASW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 8/25/2004 0:00 | 082504UT138ASW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 8/25/2004 0:00 | 082504UT138ASW001 | Fluoride | 0.056 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 8/25/2004 0:00 | 082504UT138ASW001 | Hardness as CaCO3 | 35.8 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 8/25/2004 0:00 | 082504UT138ASW001 | Hardness as CaCO3 | 44.3 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 8/25/2004 0:00 | 082504UT138ASW001 | Iron | 217 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 8/25/2004 0:00 | 082504UT138ASW001 | Iron | 267 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 8/25/2004 0:00 | 082504UT138ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 8/25/2004 0:00 | 082504UT138ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 8/25/2004 0:00 | 082504UT138ASW001 | Magnesium | 2670 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 8/25/2004 0:00 | 082504UT138ASW001 | Magnesium | 3340 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 8/25/2004 0:00 | 082504UT138ASW001 | Manganese | 23 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 8/25/2004 0:00 | 082504UT138ASW001 | Manganese | 27.8 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 8/25/2004 0:00 | 082504UT138ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 8/25/2004 0:00 | 082504UT138ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 8/25/2004 0:00 | 082504UT138ASW001 | Nickel | 0.288 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 8/25/2004 0:00 | 082504UT138ASW001 | Nickel | 0.509 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 8/25/2004 0:00 | 082504UT138ASW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 8/25/2004 0:00 | 082504UT138ASW001 | Nitrogen, Nitrate-Nitrite | 0.5 | MG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 8/25/2004 0:00 | 082504UT138ASW001 | pH | 7.86 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 8/25/2004 0:00 | 082504UT138ASW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 8/25/2004 0:00 | 082504UT138ASW001 | Potassium | 405 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 8/25/2004 0:00 | 082504UT138ASW001 | Potassium | 476 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 8/25/2004 0:00 | 082504UT138ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 8/25/2004 0:00 | 082504UT138ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 8/25/2004 0:00 | 082504UT138ASW001 | Silicon | 6650 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 8/25/2004 0:00 | 082504UT138ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 8/25/2004 0:00 | 082504UT138ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 8/25/2004 0:00 | 082504UT138ASW001 | Sodium | 4270 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT138A | 8/25/2004 0:00 | 082504UT138ASW001 | Sodium | 5380 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 8/25/2004 0:00 | 082504UT138ASW001 | Specific Conductance | 100 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 8/25/2004 0:00 | 082504UT138ASW001 | Sulfate | 1.41 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 8/25/2004 0:00 | 082504UT138ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 8/25/2004 0:00 | 082504UT138ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 8/25/2004 0:00 | 082504UT138ASW001 | Thiocyanate | 0.19 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 8/25/2004 0:00 | 082504UT138ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 8/25/2004 0:00 | 082504UT138ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 8/25/2004 0:00 | 082504UT138ASW001 | Total Dissolved Solids | 72.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 8/25/2004 0:00 | 082504UT138ASW001 | Total Suspended Solids | 0.5 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 8/25/2004 0:00 | 082504UT138ASW001 | Vanadium | 0.474 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 8/25/2004 0:00 | 082504UT138ASW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 8/25/2004 0:00 | 082504UT138ASW001 | Zinc | 0.714 | UG/L | BQ1,J | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 8/25/2004 0:00 | 082504UT138ASW001 | Zinc | 0.676 | UG/L | BQ1,J | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 9/17/2004 0:00 | 091704UT138ASW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 9/17/2004 0:00 | 091704UT138ASW001 | Alkalinity, Total | 56 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 9/17/2004 0:00 | 091704UT138ASW001 | Aluminum | 8.48 | UG/L | BQ1,J | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 9/17/2004 0:00 | 091704UT138ASW001 | Aluminum | 11.2 | UG/L | BQ,BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 9/17/2004 0:00 | 091704UT138ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 9/17/2004 0:00 | 091704UT138ASW001 | Antimony | 0.0835 | UG/L | J | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 9/17/2004 0:00 | 091704UT138ASW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 9/17/2004 0:00 | 091704UT138ASW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 9/17/2004 0:00 | 091704UT138ASW001 | Barium | 6.08 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 9/17/2004 0:00 | 091704UT138ASW001 | Barium | 6.81 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 9/17/2004 0:00 | 091704UT138ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 9/17/2004 0:00 | 091704UT138ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 9/17/2004 0:00 | 091704UT138ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 9/17/2004 0:00 | 091704UT138ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 9/17/2004 0:00 | 091704UT138ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 9/17/2004 0:00 | 091704UT138ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT138A | 9/17/2004 0:00 | 091704UT138ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 9/17/2004 0:00 | 091704UT138ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 9/17/2004 0:00 | 091704UT138ASW001 | Calcium | 9180 | UG/L | J | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 9/17/2004 0:00 | 091704UT138ASW001 | Calcium | 12000 | UG/L | J | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 9/17/2004 0:00 | 091704UT138ASW001 | Chloride | 0.742 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 9/17/2004 0:00 | 091704UT138ASW001 | Chromium | 0.217 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 9/17/2004 0:00 | 091704UT138ASW001 | Chromium | 0.29 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 9/17/2004 0:00 | 091704UT138ASW001 | Cobalt | 0.0831 | UG/L | BQ1,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 9/17/2004 0:00 | 091704UT138ASW001 | Cobalt | 0.491 | UG/L | J,BQ1 | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 9/17/2004 0:00 | 091704UT138ASW001 | Copper | 0.158 | UG/L | BQ1,J | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 9/17/2004 0:00 | 091704UT138ASW001 | Copper | 0.295 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 9/17/2004 0:00 | 091704UT138ASW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 9/17/2004 0:00 | 091704UT138ASW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 9/17/2004 0:00 | 091704UT138ASW001 | Fluoride | 0.059 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 9/17/2004 0:00 | 091704UT138ASW001 | Hardness as CaCO3 | 34.4 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 9/17/2004 0:00 | 091704UT138ASW001 | Hardness as CaCO3 | 43.3 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 9/17/2004 0:00 | 091704UT138ASW001 | Iron | 270 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 9/17/2004 0:00 | 091704UT138ASW001 | Iron | 141 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 9/17/2004 0:00 | 091704UT138ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 9/17/2004 0:00 | 091704UT138ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 9/17/2004 0:00 | 091704UT138ASW001 | Magnesium | 2800 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 9/17/2004 0:00 | 091704UT138ASW001 | Magnesium | 3260 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 9/17/2004 0:00 | 091704UT138ASW001 | Manganese | 27.5 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 9/17/2004 0:00 | 091704UT138ASW001 | Manganese | 31.4 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 9/17/2004 0:00 | 091704UT138ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 9/17/2004 0:00 | 091704UT138ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 9/17/2004 0:00 | 091704UT138ASW001 | Nickel | 0.33 | UG/L | J,BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 9/17/2004 0:00 | 091704UT138ASW001 | Nickel | 0.578 | UG/L | J | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 9/17/2004 0:00 | 091704UT138ASW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 9/17/2004 0:00 | 091704UT138ASW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | R | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT138A | 9/17/2004 0:00 | 091704UT138ASW001 | pH | 7.66 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 9/17/2004 0:00 | 091704UT138ASW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 9/17/2004 0:00 | 091704UT138ASW001 | Potassium | 425 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 9/17/2004 0:00 | 091704UT138ASW001 | Potassium | 491 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 9/17/2004 0:00 | 091704UT138ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 9/17/2004 0:00 | 091704UT138ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 9/17/2004 0:00 | 091704UT138ASW001 | Silicon | 6870 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 9/17/2004 0:00 | 091704UT138ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 9/17/2004 0:00 | 091704UT138ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 9/17/2004 0:00 | 091704UT138ASW001 | Sodium | 4380 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 9/17/2004 0:00 | 091704UT138ASW001 | Sodium | 5070 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 9/17/2004 0:00 | 091704UT138ASW001 | Specific Conductance | 110 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 9/17/2004 0:00 | 091704UT138ASW001 | Sulfate | 1.96 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 9/17/2004 0:00 | 091704UT138ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 9/17/2004 0:00 | 091704UT138ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 9/17/2004 0:00 | 091704UT138ASW001 | Thiocyanate | 0.23 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 9/17/2004 0:00 | 091704UT138ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 9/17/2004 0:00 | 091704UT138ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 9/17/2004 0:00 | 091704UT138ASW001 | Total Dissolved Solids | 62.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 9/17/2004 0:00 | 091704UT138ASW001 | Total Suspended Solids | 0.4 | MG/L | J | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 9/17/2004 0:00 | 091704UT138ASW001 | Vanadium | 0.291 | UG/L | J | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 9/17/2004 0:00 | 091704UT138ASW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 9/17/2004 0:00 | 091704UT138ASW001 | Zinc | 0 | UG/L | | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 9/17/2004 0:00 | 091704UT138ASW001 | Zinc | 1.54 | UG/L | BQ1 | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 10/17/2004 0:00 | 101704UT138ASW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 10/17/2004 0:00 | 101704UT138ASW001 | Alkalinity, Total | 35 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 10/17/2004 0:00 | 101704UT138ASW001 | Aluminum | 23.8 | UG/L | BQ,BQ1,J | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 10/17/2004 0:00 | 101704UT138ASW001 | Aluminum | 15.3 | UG/L | BQ,BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 10/17/2004 0:00 | 101704UT138ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 10/17/2004 0:00 | 101704UT138ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT138A | 10/17/2004 0:00 | 101704UT138ASW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 10/17/2004 0:00 | 101704UT138ASW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 10/17/2004 0:00 | 101704UT138ASW001 | Barium | 4.85 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 10/17/2004 0:00 | 101704UT138ASW001 | Barium | 4.79 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 10/17/2004 0:00 | 101704UT138ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 10/17/2004 0:00 | 101704UT138ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 10/17/2004 0:00 | 101704UT138ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 10/17/2004 0:00 | 101704UT138ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 10/17/2004 0:00 | 101704UT138ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 10/17/2004 0:00 | 101704UT138ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 10/17/2004 0:00 | 101704UT138ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 10/17/2004 0:00 | 101704UT138ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 10/17/2004 0:00 | 101704UT138ASW001 | Calcium | 6730 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 10/17/2004 0:00 | 101704UT138ASW001 | Calcium | 7850 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 10/17/2004 0:00 | 101704UT138ASW001 | Chloride | 1.06 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 10/17/2004 0:00 | 101704UT138ASW001 | Chromium | 0.199 | UG/L | J | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 10/17/2004 0:00 | 101704UT138ASW001 | Chromium | 0 | UG/L | BQ1 | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 10/17/2004 0:00 | 101704UT138ASW001 | Cobalt | 0.0675 | UG/L | BQ1,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 10/17/2004 0:00 | 101704UT138ASW001 | Cobalt | 0.616 | UG/L | J | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 10/17/2004 0:00 | 101704UT138ASW001 | Copper | 0.242 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 10/17/2004 0:00 | 101704UT138ASW001 | Copper | 0.229 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 10/17/2004 0:00 | 101704UT138ASW001 | Cyanide | 0.005 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 10/17/2004 0:00 | 101704UT138ASW001 | Cyanide, Weak Acid Dissociable | 0.0027 | MG/L | J | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 10/17/2004 0:00 | 101704UT138ASW001 | Fluoride | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 10/17/2004 0:00 | 101704UT138ASW001 | Hardness as CaCO3 | 25.1 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 10/17/2004 0:00 | 101704UT138ASW001 | Iron | 175 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 10/17/2004 0:00 | 101704UT138ASW001 | Iron | 132 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 10/17/2004 0:00 | 101704UT138ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 10/17/2004 0:00 | 101704UT138ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 10/17/2004 0:00 | 101704UT138ASW001 | Magnesium | 2030 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT138A | 10/17/2004 0:00 | 101704UT138ASW001 | Magnesium | 2240 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 10/17/2004 0:00 | 101704UT138ASW001 | Manganese | 16.8 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 10/17/2004 0:00 | 101704UT138ASW001 | Manganese | 16.1 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 10/17/2004 0:00 | 101704UT138ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 10/17/2004 0:00 | 101704UT138ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 10/17/2004 0:00 | 101704UT138ASW001 | Nickel | 0.265 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 10/17/2004 0:00 | 101704UT138ASW001 | Nickel | 0.435 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 10/17/2004 0:00 | 101704UT138ASW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 10/17/2004 0:00 | 101704UT138ASW001 | Nitrogen, Nitrate-Nitrite | 2.78 | MG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 10/17/2004 0:00 | 101704UT138ASW001 | pH | 7.26 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 10/17/2004 0:00 | 101704UT138ASW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 10/17/2004 0:00 | 101704UT138ASW001 | Potassium | 297 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 10/17/2004 0:00 | 101704UT138ASW001 | Potassium | 344 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 10/17/2004 0:00 | 101704UT138ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 10/17/2004 0:00 | 101704UT138ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 10/17/2004 0:00 | 101704UT138ASW001 | Silicon | 5740 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 10/17/2004 0:00 | 101704UT138ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 10/17/2004 0:00 | 101704UT138ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 10/17/2004 0:00 | 101704UT138ASW001 | Sodium | 3880 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 10/17/2004 0:00 | 101704UT138ASW001 | Sodium | 4070 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 10/17/2004 0:00 | 101704UT138ASW001 | Specific Conductance | 80 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 10/17/2004 0:00 | 101704UT138ASW001 | Sulfate | 3.2 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 10/17/2004 0:00 | 101704UT138ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 10/17/2004 0:00 | 101704UT138ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 10/17/2004 0:00 | 101704UT138ASW001 | Thiocyanate | 0.15 | MG/L | J | 1 | 0.059 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 10/17/2004 0:00 | 101704UT138ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 10/17/2004 0:00 | 101704UT138ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 10/17/2004 0:00 | 101704UT138ASW001 | Total Dissolved Solids | 38.8 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 10/17/2004 0:00 | 101704UT138ASW001 | Total Suspended Solids | 0.6 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 10/17/2004 0:00 | 101704UT138ASW001 | Vanadium | 0.403 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT138A | 10/17/2004 0:00 | 101704UT138ASW001 | Vanadium | 0.319 | UG/L | J | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT138A | 10/17/2004 0:00 | 101704UT138ASW001 | Zinc | 1.24 | UG/L | BQ1,J | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT138A | 10/17/2004 0:00 | 101704UT138ASW001 | Zinc | 1.21 | UG/L | BQ1,J | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 4/30/2004 0:00 | 043004UT141ASW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 4/30/2004 0:00 | 043004UT141ASW001 | Alkalinity, Total | 12 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 4/30/2004 0:00 | 043004UT141ASW001 | Aluminum | 151 | UG/L | | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 4/30/2004 0:00 | 043004UT141ASW001 | Aluminum | 27.1 | UG/L | BQ1 | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 4/30/2004 0:00 | 043004UT141ASW001 | Antimony | 3.05 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 4/30/2004 0:00 | 043004UT141ASW001 | Antimony | 0.188 | UG/L | J, BQ1 | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 4/30/2004 0:00 | 043004UT141ASW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 4/30/2004 0:00 | 043004UT141ASW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 4/30/2004 0:00 | 043004UT141ASW001 | Barium | 3.4 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 4/30/2004 0:00 | 043004UT141ASW001 | Barium | 2.94 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 4/30/2004 0:00 | 043004UT141ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 4/30/2004 0:00 | 043004UT141ASW001 | Beryllium | 0.0474 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 4/30/2004 0:00 | 043004UT141ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 4/30/2004 0:00 | 043004UT141ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 4/30/2004 0:00 | 043004UT141ASW001 | Boron | 5.45 | UG/L | J | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 4/30/2004 0:00 | 043004UT141ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 4/30/2004 0:00 | 043004UT141ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 4/30/2004 0:00 | 043004UT141ASW001 | Cadmium | 0.0476 | UG/L | J | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 4/30/2004 0:00 | 043004UT141ASW001 | Calcium | 3340 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 4/30/2004 0:00 | 043004UT141ASW001 | Calcium | 3580 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 4/30/2004 0:00 | 043004UT141ASW001 | Chloride | 0.548 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 4/30/2004 0:00 | 043004UT141ASW001 | Chromium | 0.242 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 4/30/2004 0:00 | 043004UT141ASW001 | Chromium | 0.267 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 4/30/2004 0:00 | 043004UT141ASW001 | Cobalt | 0.128 | UG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 4/30/2004 0:00 | 043004UT141ASW001 | Cobalt | 0.262 | UG/L | J | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 4/30/2004 0:00 | 043004UT141ASW001 | Copper | 0.383 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 4/30/2004 0:00 | 043004UT141ASW001 | Copper | 0.451 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT141A | 4/30/2004 0:00 | 043004UT141ASW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 4/30/2004 0:00 | 043004UT141ASW001 | Cyanide, Weak Acid Dissociable | 0.0058 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 4/30/2004 0:00 | 043004UT141ASW001 | Fluoride | 0.036 | MG/L | J, BQ | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 4/30/2004 0:00 | 043004UT141ASW001 | Hardness as CaCO3 | 12 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 4/30/2004 0:00 | 043004UT141ASW001 | Hardness as CaCO3 | 12.5 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 4/30/2004 0:00 | 043004UT141ASW001 | Iron | 483 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 4/30/2004 0:00 | 043004UT141ASW001 | Iron | 249 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 4/30/2004 0:00 | 043004UT141ASW001 | Lead | 0.116 | UG/L | J | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 4/30/2004 0:00 | 043004UT141ASW001 | Lead | 0.14 | UG/L | J, BQ1 | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 4/30/2004 0:00 | 043004UT141ASW001 | Magnesium | 887 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 4/30/2004 0:00 | 043004UT141ASW001 | Magnesium | 858 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 4/30/2004 0:00 | 043004UT141ASW001 | Manganese | 32.9 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 4/30/2004 0:00 | 043004UT141ASW001 | Manganese | 26.8 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 4/30/2004 0:00 | 043004UT141ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 4/30/2004 0:00 | 043004UT141ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 4/30/2004 0:00 | 043004UT141ASW001 | Nickel | 0.218 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 4/30/2004 0:00 | 043004UT141ASW001 | Nickel | 0.314 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 4/30/2004 0:00 | 043004UT141ASW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 4/30/2004 0:00 | 043004UT141ASW001 | Nitrogen, Nitrate-Nitrite | 0.146 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 4/30/2004 0:00 | 043004UT141ASW001 | pH | 6.6 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 4/30/2004 0:00 | 043004UT141ASW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 4/30/2004 0:00 | 043004UT141ASW001 | Potassium | 334 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 4/30/2004 0:00 | 043004UT141ASW001 | Potassium | 366 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 4/30/2004 0:00 | 043004UT141ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 4/30/2004 0:00 | 043004UT141ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 4/30/2004 0:00 | 043004UT141ASW001 | Silicon | 1680 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 4/30/2004 0:00 | 043004UT141ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 4/30/2004 0:00 | 043004UT141ASW001 | Silver | 0.0084 | UG/L | J | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 4/30/2004 0:00 | 043004UT141ASW001 | Sodium | 1030 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 4/30/2004 0:00 | 043004UT141ASW001 | Sodium | 1090 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT141A | 4/30/2004 0:00 | 043004UT141ASW001 | Specific Conductance | 30 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 4/30/2004 0:00 | 043004UT141ASW001 | Sulfate | 0.631 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 4/30/2004 0:00 | 043004UT141ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 4/30/2004 0:00 | 043004UT141ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 4/30/2004 0:00 | 043004UT141ASW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 4/30/2004 0:00 | 043004UT141ASW001 | Tin | 0.344 | UG/L | J, J- | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 4/30/2004 0:00 | 043004UT141ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 4/30/2004 0:00 | 043004UT141ASW001 | Total Dissolved Solids | 27.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 4/30/2004 0:00 | 043004UT141ASW001 | Total Suspended Solids | 4.92 | MG/L | | 0.513 | 0.154 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 4/30/2004 0:00 | 043004UT141ASW001 | Vanadium | 0.828 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 4/30/2004 0:00 | 043004UT141ASW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 4/30/2004 0:00 | 043004UT141ASW001 | Zinc | 3.17 | UG/L | | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 4/30/2004 0:00 | 043004UT141ASW001 | Zinc | 1.95 | UG/L | | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 5/20/2004 0:00 | 052004UT141ASW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 5/20/2004 0:00 | 052004UT141ASW001 | Alkalinity, Total | 18 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 5/20/2004 0:00 | 052004UT141ASW001 | Aluminum | 42.6 | UG/L | J | 62.5 | 19.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 5/20/2004 0:00 | 052004UT141ASW001 | Aluminum | 16.1 | UG/L | J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 5/20/2004 0:00 | 052004UT141ASW001 | Antimony | 0 | UG/L | | 0.5 | 0.193 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 5/20/2004 0:00 | 052004UT141ASW001 | Antimony | 0.284 | UG/L | BQ1 | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 5/20/2004 0:00 | 052004UT141ASW001 | Arsenic | 0 | UG/L | | 1.25 | 0.625 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 5/20/2004 0:00 | 052004UT141ASW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 5/20/2004 0:00 | 052004UT141ASW001 | Barium | 2.92 | UG/L | | 0.75 | 0.235 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 5/20/2004 0:00 | 052004UT141ASW001 | Barium | 1.69 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 5/20/2004 0:00 | 052004UT141ASW001 | Beryllium | 0 | UG/L | | 0.075 | 0.0375 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 5/20/2004 0:00 | 052004UT141ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 5/20/2004 0:00 | 052004UT141ASW001 | Bismuth | 0 | UG/L | | 12.5 | 3.75 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 5/20/2004 0:00 | 052004UT141ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 5/20/2004 0:00 | 052004UT141ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 5/20/2004 0:00 | 052004UT141ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 5/20/2004 0:00 | 052004UT141ASW001 | Cadmium | 0 | UG/L | | 0.25 | 0.0775 | (N) Non-filtered (for metals, N depicts Total Metal) |

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Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT141A | 5/20/2004 0:00 | 052004UT141ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 5/20/2004 0:00 | 052004UT141ASW001 | Calcium | 4750 | UG/L | | 125 | 37.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 5/20/2004 0:00 | 052004UT141ASW001 | Calcium | 4770 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 5/20/2004 0:00 | 052004UT141ASW001 | Chloride | 0.589 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 5/20/2004 0:00 | 052004UT141ASW001 | Chromium | 0 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 5/20/2004 0:00 | 052004UT141ASW001 | Chromium | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 5/20/2004 0:00 | 052004UT141ASW001 | Cobalt | 0 | UG/L | | 0.25 | 0.0775 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 5/20/2004 0:00 | 052004UT141ASW001 | Cobalt | 2.48 | UG/L | J+ | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 5/20/2004 0:00 | 052004UT141ASW001 | Copper | 0 | UG/L | | 0.5 | 0.155 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 5/20/2004 0:00 | 052004UT141ASW001 | Copper | 0.224 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 5/20/2004 0:00 | 052004UT141ASW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 5/20/2004 0:00 | 052004UT141ASW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 5/20/2004 0:00 | 052004UT141ASW001 | Fluoride | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 5/20/2004 0:00 | 052004UT141ASW001 | Hardness as CaCO3 | 15.7 | MG/L | | 1.25 | 1.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 5/20/2004 0:00 | 052004UT141ASW001 | Hardness as CaCO3 | 15.7 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 5/20/2004 0:00 | 052004UT141ASW001 | Iron | 176 | UG/L | | 50 | 15.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 5/20/2004 0:00 | 052004UT141ASW001 | Iron | 153 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 5/20/2004 0:00 | 052004UT141ASW001 | Lead | 0 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 5/20/2004 0:00 | 052004UT141ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 5/20/2004 0:00 | 052004UT141ASW001 | Magnesium | 930 | UG/L | | 50 | 15.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 5/20/2004 0:00 | 052004UT141ASW001 | Magnesium | 912 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 5/20/2004 0:00 | 052004UT141ASW001 | Manganese | 8.36 | UG/L | | 2.5 | 1.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 5/20/2004 0:00 | 052004UT141ASW001 | Manganese | 10.7 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 5/20/2004 0:00 | 052004UT141ASW001 | Molybdenum | 0 | UG/L | | 2.5 | 0.775 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 5/20/2004 0:00 | 052004UT141ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 5/20/2004 0:00 | 052004UT141ASW001 | Nickel | 0.163 | UG/L | J,BQ1 | 0.5 | 0.155 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 5/20/2004 0:00 | 052004UT141ASW001 | Nickel | 0.339 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 5/20/2004 0:00 | 052004UT141ASW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 5/20/2004 0:00 | 052004UT141ASW001 | Nitrogen, Nitrate-Nitrite | 0.046 | MG/L | J- | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 5/20/2004 0:00 | 052004UT141ASW001 | pH | 7.2 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT141A | 5/20/2004 0:00 | 052004UT141ASW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 5/20/2004 0:00 | 052004UT141ASW001 | Potassium | 149 | UG/L | | 125 | 37.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 5/20/2004 0:00 | 052004UT141ASW001 | Potassium | 152 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 5/20/2004 0:00 | 052004UT141ASW001 | Selenium | 0 | UG/L | | 2.5 | 0.775 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 5/20/2004 0:00 | 052004UT141ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 5/20/2004 0:00 | 052004UT141ASW001 | Silicon | 3200 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 5/20/2004 0:00 | 052004UT141ASW001 | Silver | 0 | UG/L | | 0.05 | 0.0155 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 5/20/2004 0:00 | 052004UT141ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 5/20/2004 0:00 | 052004UT141ASW001 | Sodium | 1630 | UG/L | | 250 | 77.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 5/20/2004 0:00 | 052004UT141ASW001 | Sodium | 1500 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 5/20/2004 0:00 | 052004UT141ASW001 | Specific Conductance | 38 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 5/20/2004 0:00 | 052004UT141ASW001 | Sulfate | 1.03 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 5/20/2004 0:00 | 052004UT141ASW001 | Thallium | 0 | UG/L | | 0.125 | 0.0625 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 5/20/2004 0:00 | 052004UT141ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 5/20/2004 0:00 | 052004UT141ASW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 5/20/2004 0:00 | 052004UT141ASW001 | Tin | 0 | UG/L | | 2.5 | 0.775 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 5/20/2004 0:00 | 052004UT141ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 5/20/2004 0:00 | 052004UT141ASW001 | Total Dissolved Solids | 48.8 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 5/20/2004 0:00 | 052004UT141ASW001 | Total Suspended Solids | 0.9 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 5/20/2004 0:00 | 052004UT141ASW001 | Vanadium | 0 | UG/L | | 1 | 0.625 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 5/20/2004 0:00 | 052004UT141ASW001 | Vanadium | 0.549 | UG/L | BQ1,BQ | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 5/20/2004 0:00 | 052004UT141ASW001 | Zinc | 0 | UG/L | | 3.75 | 1.18 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 5/20/2004 0:00 | 052004UT141ASW001 | Zinc | 1.04 | UG/L | J,BQ1 | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 6/17/2004 0:00 | 061704UT141ASW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 6/17/2004 0:00 | 061704UT141ASW001 | Alkalinity, Total | 29 | MG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 6/17/2004 0:00 | 061704UT141ASW001 | Aluminum | 52.3 | UG/L | BQ,BQ1 | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 6/17/2004 0:00 | 061704UT141ASW001 | Aluminum | 25.2 | UG/L | BQ,BQ1 | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 6/17/2004 0:00 | 061704UT141ASW001 | Antimony | 5.64 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 6/17/2004 0:00 | 061704UT141ASW001 | Antimony | 0.235 | UG/L | | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 6/17/2004 0:00 | 061704UT141ASW001 | Arsenic | 0.442 | UG/L | J | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT141A | 6/17/2004 0:00 | 061704UT141ASW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 6/17/2004 0:00 | 061704UT141ASW001 | Barium | 3.86 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 6/17/2004 0:00 | 061704UT141ASW001 | Barium | 3.42 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 6/17/2004 0:00 | 061704UT141ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 6/17/2004 0:00 | 061704UT141ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 6/17/2004 0:00 | 061704UT141ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 6/17/2004 0:00 | 061704UT141ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 6/17/2004 0:00 | 061704UT141ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 6/17/2004 0:00 | 061704UT141ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 6/17/2004 0:00 | 061704UT141ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 6/17/2004 0:00 | 061704UT141ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 6/17/2004 0:00 | 061704UT141ASW001 | Calcium | 6830 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 6/17/2004 0:00 | 061704UT141ASW001 | Calcium | 6350 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 6/17/2004 0:00 | 061704UT141ASW001 | Chloride | 0.371 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 6/17/2004 0:00 | 061704UT141ASW001 | Chromium | 1.43 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 6/17/2004 0:00 | 061704UT141ASW001 | Chromium | 0.246 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 6/17/2004 0:00 | 061704UT141ASW001 | Cobalt | 0.086 | UG/L | BQ1,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 6/17/2004 0:00 | 061704UT141ASW001 | Cobalt | 2 | UG/L | BQ1,J | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 6/17/2004 0:00 | 061704UT141ASW001 | Copper | 0.253 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 6/17/2004 0:00 | 061704UT141ASW001 | Copper | 0.29 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 6/17/2004 0:00 | 061704UT141ASW001 | Cyanide | 0.0066 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 6/17/2004 0:00 | 061704UT141ASW001 | Cyanide, Weak Acid Dissociable | 0.006 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 6/17/2004 0:00 | 061704UT141ASW001 | Fluoride | 0.034 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 6/17/2004 0:00 | 061704UT141ASW001 | Hardness as CaCO3 | 22.7 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 6/17/2004 0:00 | 061704UT141ASW001 | Hardness as CaCO3 | 21.1 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 6/17/2004 0:00 | 061704UT141ASW001 | Iron | 385 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 6/17/2004 0:00 | 061704UT141ASW001 | Iron | 198 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 6/17/2004 0:00 | 061704UT141ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 6/17/2004 0:00 | 061704UT141ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 6/17/2004 0:00 | 061704UT141ASW001 | Magnesium | 1380 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT141A | 6/17/2004 0:00 | 061704UT141ASW001 | Magnesium | 1280 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 6/17/2004 0:00 | 061704UT141ASW001 | Manganese | 15.4 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 6/17/2004 0:00 | 061704UT141ASW001 | Manganese | 16.5 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 6/17/2004 0:00 | 061704UT141ASW001 | Molybdenum | 0.437 | UG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 6/17/2004 0:00 | 061704UT141ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 6/17/2004 0:00 | 061704UT141ASW001 | Nickel | 0.334 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 6/17/2004 0:00 | 061704UT141ASW001 | Nickel | 0.415 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 6/17/2004 0:00 | 061704UT141ASW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 6/17/2004 0:00 | 061704UT141ASW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | R | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 6/17/2004 0:00 | 061704UT141ASW001 | pH | 7.33 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 6/17/2004 0:00 | 061704UT141ASW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 6/17/2004 0:00 | 061704UT141ASW001 | Potassium | 132 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 6/17/2004 0:00 | 061704UT141ASW001 | Potassium | 119 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 6/17/2004 0:00 | 061704UT141ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 6/17/2004 0:00 | 061704UT141ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 6/17/2004 0:00 | 061704UT141ASW001 | Silicon | 3480 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 6/17/2004 0:00 | 061704UT141ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 6/17/2004 0:00 | 061704UT141ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 6/17/2004 0:00 | 061704UT141ASW001 | Sodium | 1840 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 6/17/2004 0:00 | 061704UT141ASW001 | Sodium | 1720 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 6/17/2004 0:00 | 061704UT141ASW001 | Specific Conductance | 59 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 6/17/2004 0:00 | 061704UT141ASW001 | Sulfate | 1.01 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 6/17/2004 0:00 | 061704UT141ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 6/17/2004 0:00 | 061704UT141ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 6/17/2004 0:00 | 061704UT141ASW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 6/17/2004 0:00 | 061704UT141ASW001 | Tin | 1.43 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 6/17/2004 0:00 | 061704UT141ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 6/17/2004 0:00 | 061704UT141ASW001 | Total Dissolved Solids | 32.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 6/17/2004 0:00 | 061704UT141ASW001 | Total Suspended Solids | 2.6 | MG/L | | 1 | 0.3 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 6/17/2004 0:00 | 061704UT141ASW001 | Vanadium | 0.63 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT141A | 6/17/2004 0:00 | 061704UT141ASW001 | Vanadium | 0.452 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 6/17/2004 0:00 | 061704UT141ASW001 | Zinc | 1.37 | UG/L | BQ,BQ1,J | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 6/17/2004 0:00 | 061704UT141ASW001 | Zinc | 1.93 | UG/L | BQ,BQ1 | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 7/15/2004 0:00 | 071504UT141ASW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 7/15/2004 0:00 | 071504UT141ASW001 | Alkalinity, Total | 40.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 7/15/2004 0:00 | 071504UT141ASW001 | Aluminum | 40.9 | UG/L | BQ1 | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 7/15/2004 0:00 | 071504UT141ASW001 | Aluminum | 21.4 | UG/L | BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 7/15/2004 0:00 | 071504UT141ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 7/15/2004 0:00 | 071504UT141ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 7/15/2004 0:00 | 071504UT141ASW001 | Arsenic | 1.02 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 7/15/2004 0:00 | 071504UT141ASW001 | Arsenic | 0.687 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 7/15/2004 0:00 | 071504UT141ASW001 | Barium | 5.46 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 7/15/2004 0:00 | 071504UT141ASW001 | Barium | 4.66 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 7/15/2004 0:00 | 071504UT141ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 7/15/2004 0:00 | 071504UT141ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 7/15/2004 0:00 | 071504UT141ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 7/15/2004 0:00 | 071504UT141ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 7/15/2004 0:00 | 071504UT141ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 7/15/2004 0:00 | 071504UT141ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 7/15/2004 0:00 | 071504UT141ASW001 | Cadmium | 0.0548 | UG/L | BQ1,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 7/15/2004 0:00 | 071504UT141ASW001 | Cadmium | 0.0522 | UG/L | BQ1,J | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 7/15/2004 0:00 | 071504UT141ASW001 | Calcium | 10500 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 7/15/2004 0:00 | 071504UT141ASW001 | Calcium | 9030 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 7/15/2004 0:00 | 071504UT141ASW001 | Chloride | 0.584 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 7/15/2004 0:00 | 071504UT141ASW001 | Chromium | 0.299 | UG/L | BQ1 | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 7/15/2004 0:00 | 071504UT141ASW001 | Chromium | 0.225 | UG/L | BQ1 | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 7/15/2004 0:00 | 071504UT141ASW001 | Cobalt | 0.118 | UG/L | BQ1,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 7/15/2004 0:00 | 071504UT141ASW001 | Cobalt | 2.13 | UG/L | J | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 7/15/2004 0:00 | 071504UT141ASW001 | Copper | 0.216 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 7/15/2004 0:00 | 071504UT141ASW001 | Copper | 0.147 | UG/L | BQ1,J | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |

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Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT141A | 7/15/2004 0:00 | 071504UT141ASW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 7/15/2004 0:00 | 071504UT141ASW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 7/15/2004 0:00 | 071504UT141ASW001 | Fluoride | 0.059 | MG/L | BQ,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 7/15/2004 0:00 | 071504UT141ASW001 | Hardness as CaCO3 | 34.8 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 7/15/2004 0:00 | 071504UT141ASW001 | Hardness as CaCO3 | 30.7 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 7/15/2004 0:00 | 071504UT141ASW001 | Iron | 732 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 7/15/2004 0:00 | 071504UT141ASW001 | Iron | 438 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 7/15/2004 0:00 | 071504UT141ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 7/15/2004 0:00 | 071504UT141ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 7/15/2004 0:00 | 071504UT141ASW001 | Magnesium | 2080 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 7/15/2004 0:00 | 071504UT141ASW001 | Magnesium | 1980 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 7/15/2004 0:00 | 071504UT141ASW001 | Manganese | 48 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 7/15/2004 0:00 | 071504UT141ASW001 | Manganese | 39.9 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 7/15/2004 0:00 | 071504UT141ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 7/15/2004 0:00 | 071504UT141ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 7/15/2004 0:00 | 071504UT141ASW001 | Nickel | 0.379 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 7/15/2004 0:00 | 071504UT141ASW001 | Nickel | 0.421 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 7/15/2004 0:00 | 071504UT141ASW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 7/15/2004 0:00 | 071504UT141ASW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | | 2 | 0.62 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 7/15/2004 0:00 | 071504UT141ASW001 | pH | 7.51 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 7/15/2004 0:00 | 071504UT141ASW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 7/15/2004 0:00 | 071504UT141ASW001 | Potassium | 196 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 7/15/2004 0:00 | 071504UT141ASW001 | Potassium | 174 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 7/15/2004 0:00 | 071504UT141ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 7/15/2004 0:00 | 071504UT141ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 7/15/2004 0:00 | 071504UT141ASW001 | Silicon | 4320 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 7/15/2004 0:00 | 071504UT141ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 7/15/2004 0:00 | 071504UT141ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 7/15/2004 0:00 | 071504UT141ASW001 | Sodium | 2280 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 7/15/2004 0:00 | 071504UT141ASW001 | Sodium | 2160 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT141A | 7/15/2004 0:00 | 071504UT141ASW001 | Specific Conductance | 90 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 7/15/2004 0:00 | 071504UT141ASW001 | Sulfate | 1.75 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 7/15/2004 0:00 | 071504UT141ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 7/15/2004 0:00 | 071504UT141ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 7/15/2004 0:00 | 071504UT141ASW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 7/15/2004 0:00 | 071504UT141ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 7/15/2004 0:00 | 071504UT141ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 7/15/2004 0:00 | 071504UT141ASW001 | Total Dissolved Solids | 63.8 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 7/15/2004 0:00 | 071504UT141ASW001 | Total Suspended Solids | 1.8 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 7/15/2004 0:00 | 071504UT141ASW001 | Vanadium | 0.576 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 7/15/2004 0:00 | 071504UT141ASW001 | Vanadium | 0.404 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 7/15/2004 0:00 | 071504UT141ASW001 | Zinc | 0.501 | UG/L | BQ1,J | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 7/15/2004 0:00 | 071504UT141ASW001 | Zinc | 0.661 | UG/L | BQ1,J | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 8/25/2004 0:00 | 082504UT141ASW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 8/25/2004 0:00 | 082504UT141ASW001 | Alkalinity, Total | 48 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 8/25/2004 0:00 | 082504UT141ASW001 | Aluminum | 23.6 | UG/L | BQ,BQ1,J | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 8/25/2004 0:00 | 082504UT141ASW001 | Aluminum | 22.1 | UG/L | BQ,BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 8/25/2004 0:00 | 082504UT141ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 8/25/2004 0:00 | 082504UT141ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 8/25/2004 0:00 | 082504UT141ASW001 | Arsenic | 0.964 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 8/25/2004 0:00 | 082504UT141ASW001 | Arsenic | 0.75 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 8/25/2004 0:00 | 082504UT141ASW001 | Barium | 5.92 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 8/25/2004 0:00 | 082504UT141ASW001 | Barium | 5.83 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 8/25/2004 0:00 | 082504UT141ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 8/25/2004 0:00 | 082504UT141ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 8/25/2004 0:00 | 082504UT141ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 8/25/2004 0:00 | 082504UT141ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 8/25/2004 0:00 | 082504UT141ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 8/25/2004 0:00 | 082504UT141ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 8/25/2004 0:00 | 082504UT141ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT141A | 8/25/2004 0:00 | 082504UT141ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 8/25/2004 0:00 | 082504UT141ASW001 | Calcium | 12000 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 8/25/2004 0:00 | 082504UT141ASW001 | Calcium | 12100 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 8/25/2004 0:00 | 082504UT141ASW001 | Chloride | 0.789 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 8/25/2004 0:00 | 082504UT141ASW001 | Chromium | 0.189 | UG/L | BQ1,J | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 8/25/2004 0:00 | 082504UT141ASW001 | Chromium | 0.287 | UG/L | BQ1 | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 8/25/2004 0:00 | 082504UT141ASW001 | Cobalt | 0.128 | UG/L | BQ1 | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 8/25/2004 0:00 | 082504UT141ASW001 | Cobalt | 0.858 | UG/L | BQ1 | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 8/25/2004 0:00 | 082504UT141ASW001 | Copper | 0.215 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 8/25/2004 0:00 | 082504UT141ASW001 | Copper | 0.324 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 8/25/2004 0:00 | 082504UT141ASW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 8/25/2004 0:00 | 082504UT141ASW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 8/25/2004 0:00 | 082504UT141ASW001 | Fluoride | 0.043 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 8/25/2004 0:00 | 082504UT141ASW001 | Hardness as CaCO3 | 40.4 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 8/25/2004 0:00 | 082504UT141ASW001 | Hardness as CaCO3 | 40.3 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 8/25/2004 0:00 | 082504UT141ASW001 | Iron | 839 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 8/25/2004 0:00 | 082504UT141ASW001 | Iron | 601 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 8/25/2004 0:00 | 082504UT141ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 8/25/2004 0:00 | 082504UT141ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 8/25/2004 0:00 | 082504UT141ASW001 | Magnesium | 2510 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 8/25/2004 0:00 | 082504UT141ASW001 | Magnesium | 2430 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 8/25/2004 0:00 | 082504UT141ASW001 | Manganese | 41.9 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 8/25/2004 0:00 | 082504UT141ASW001 | Manganese | 41.3 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 8/25/2004 0:00 | 082504UT141ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 8/25/2004 0:00 | 082504UT141ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 8/25/2004 0:00 | 082504UT141ASW001 | Nickel | 0.372 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 8/25/2004 0:00 | 082504UT141ASW001 | Nickel | 0.567 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 8/25/2004 0:00 | 082504UT141ASW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 8/25/2004 0:00 | 082504UT141ASW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 8/25/2004 0:00 | 082504UT141ASW001 | pH | 7.62 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT141A | 8/25/2004 0:00 | 082504UT141ASW001 | Phosphorus, Total (as P) | 0.04 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 8/25/2004 0:00 | 082504UT141ASW001 | Potassium | 251 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 8/25/2004 0:00 | 082504UT141ASW001 | Potassium | 262 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 8/25/2004 0:00 | 082504UT141ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 8/25/2004 0:00 | 082504UT141ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 8/25/2004 0:00 | 082504UT141ASW001 | Silicon | 4990 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 8/25/2004 0:00 | 082504UT141ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 8/25/2004 0:00 | 082504UT141ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 8/25/2004 0:00 | 082504UT141ASW001 | Sodium | 2490 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 8/25/2004 0:00 | 082504UT141ASW001 | Sodium | 2330 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 8/25/2004 0:00 | 082504UT141ASW001 | Specific Conductance | 100 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 8/25/2004 0:00 | 082504UT141ASW001 | Sulfate | 2.12 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 8/25/2004 0:00 | 082504UT141ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 8/25/2004 0:00 | 082504UT141ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 8/25/2004 0:00 | 082504UT141ASW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 8/25/2004 0:00 | 082504UT141ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 8/25/2004 0:00 | 082504UT141ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 8/25/2004 0:00 | 082504UT141ASW001 | Total Dissolved Solids | 77.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 8/25/2004 0:00 | 082504UT141ASW001 | Total Suspended Solids | 0.205 | MG/L | J | 0.513 | 0.154 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 8/25/2004 0:00 | 082504UT141ASW001 | Vanadium | 0.573 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 8/25/2004 0:00 | 082504UT141ASW001 | Vanadium | 0.457 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 8/25/2004 0:00 | 082504UT141ASW001 | Zinc | 0 | UG/L | | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 8/25/2004 0:00 | 082504UT141ASW001 | Zinc | 1.36 | UG/L | BQ1,J | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 9/17/2004 0:00 | 091704UT141ASW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 9/17/2004 0:00 | 091704UT141ASW001 | Alkalinity, Total | 48.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 9/17/2004 0:00 | 091704UT141ASW001 | Aluminum | 27.8 | UG/L | BQ1 | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 9/17/2004 0:00 | 091704UT141ASW001 | Aluminum | 11.6 | UG/L | BQ,BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 9/17/2004 0:00 | 091704UT141ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 9/17/2004 0:00 | 091704UT141ASW001 | Antimony | 0.0835 | UG/L | J | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 9/17/2004 0:00 | 091704UT141ASW001 | Arsenic | 0.769 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |

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Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT141A | 9/17/2004 0:00 | 091704UT141ASW001 | Arsenic | 0.597 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 9/17/2004 0:00 | 091704UT141ASW001 | Barium | 5.45 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 9/17/2004 0:00 | 091704UT141ASW001 | Barium | 5.12 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 9/17/2004 0:00 | 091704UT141ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 9/17/2004 0:00 | 091704UT141ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 9/17/2004 0:00 | 091704UT141ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 9/17/2004 0:00 | 091704UT141ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 9/17/2004 0:00 | 091704UT141ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 9/17/2004 0:00 | 091704UT141ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 9/17/2004 0:00 | 091704UT141ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 9/17/2004 0:00 | 091704UT141ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 9/17/2004 0:00 | 091704UT141ASW001 | Calcium | 11400 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 9/17/2004 0:00 | 091704UT141ASW001 | Calcium | 13900 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 9/17/2004 0:00 | 091704UT141ASW001 | Chloride | 0.795 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 9/17/2004 0:00 | 091704UT141ASW001 | Chromium | 0.216 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 9/17/2004 0:00 | 091704UT141ASW001 | Chromium | 0.176 | UG/L | J | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 9/17/2004 0:00 | 091704UT141ASW001 | Cobalt | 0.124 | UG/L | J,BQ1 | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 9/17/2004 0:00 | 091704UT141ASW001 | Cobalt | 0.621 | UG/L | J,BQ1 | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 9/17/2004 0:00 | 091704UT141ASW001 | Copper | 0.241 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 9/17/2004 0:00 | 091704UT141ASW001 | Copper | 0.16 | UG/L | BQ1,J | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 9/17/2004 0:00 | 091704UT141ASW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 9/17/2004 0:00 | 091704UT141ASW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 9/17/2004 0:00 | 091704UT141ASW001 | Fluoride | 0.036 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 9/17/2004 0:00 | 091704UT141ASW001 | Hardness as CaCO3 | 39.2 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 9/17/2004 0:00 | 091704UT141ASW001 | Hardness as CaCO3 | 46.7 | MG/L | | 5 | 5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 9/17/2004 0:00 | 091704UT141ASW001 | Iron | 864 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 9/17/2004 0:00 | 091704UT141ASW001 | Iron | 495 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 9/17/2004 0:00 | 091704UT141ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 9/17/2004 0:00 | 091704UT141ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 9/17/2004 0:00 | 091704UT141ASW001 | Magnesium | 2940 | UG/L | | 200 | 62 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT141A | 9/17/2004 0:00 | 091704UT141ASW001 | Magnesium | 2600 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 9/17/2004 0:00 | 091704UT141ASW001 | Manganese | 35 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 9/17/2004 0:00 | 091704UT141ASW001 | Manganese | 34.7 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 9/17/2004 0:00 | 091704UT141ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 9/17/2004 0:00 | 091704UT141ASW001 | Molybdenum | 0.319 | UG/L | J | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 9/17/2004 0:00 | 091704UT141ASW001 | Nickel | 0.401 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 9/17/2004 0:00 | 091704UT141ASW001 | Nickel | 0.553 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 9/17/2004 0:00 | 091704UT141ASW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 9/17/2004 0:00 | 091704UT141ASW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | R | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 9/17/2004 0:00 | 091704UT141ASW001 | pH | 7.3 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 9/17/2004 0:00 | 091704UT141ASW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 9/17/2004 0:00 | 091704UT141ASW001 | Potassium | 263 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 9/17/2004 0:00 | 091704UT141ASW001 | Potassium | 251 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 9/17/2004 0:00 | 091704UT141ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 9/17/2004 0:00 | 091704UT141ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 9/17/2004 0:00 | 091704UT141ASW001 | Silicon | 5050 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 9/17/2004 0:00 | 091704UT141ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 9/17/2004 0:00 | 091704UT141ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 9/17/2004 0:00 | 091704UT141ASW001 | Sodium | 2510 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 9/17/2004 0:00 | 091704UT141ASW001 | Sodium | 2610 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 9/17/2004 0:00 | 091704UT141ASW001 | Specific Conductance | 100 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 9/17/2004 0:00 | 091704UT141ASW001 | Sulfate | 3.75 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 9/17/2004 0:00 | 091704UT141ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 9/17/2004 0:00 | 091704UT141ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 9/17/2004 0:00 | 091704UT141ASW001 | Thiocyanate | 0.37 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 9/17/2004 0:00 | 091704UT141ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 9/17/2004 0:00 | 091704UT141ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 9/17/2004 0:00 | 091704UT141ASW001 | Total Dissolved Solids | 58.8 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 9/17/2004 0:00 | 091704UT141ASW001 | Total Suspended Solids | 1.1 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 9/17/2004 0:00 | 091704UT141ASW001 | Vanadium | 0.66 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT141A | 9/17/2004 0:00 | 091704UT141ASW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 9/17/2004 0:00 | 091704UT141ASW001 | Zinc | 0 | UG/L | | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 9/17/2004 0:00 | 091704UT141ASW001 | Zinc | 1.18 | UG/L | BQ1,J | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 10/15/2004 0:00 | 101504UT141ASW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 10/15/2004 0:00 | 101504UT141ASW001 | Alkalinity, Total | 29 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 10/15/2004 0:00 | 101504UT141ASW001 | Aluminum | 29.6 | UG/L | BQ1 | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 10/15/2004 0:00 | 101504UT141ASW001 | Aluminum | 21.7 | UG/L | BQ,BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 10/15/2004 0:00 | 101504UT141ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 10/15/2004 0:00 | 101504UT141ASW001 | Antimony | 0.12 | UG/L | J | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 10/15/2004 0:00 | 101504UT141ASW001 | Arsenic | 0.501 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 10/15/2004 0:00 | 101504UT141ASW001 | Arsenic | 0.366 | UG/L | J | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 10/15/2004 0:00 | 101504UT141ASW001 | Barium | 3.58 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 10/15/2004 0:00 | 101504UT141ASW001 | Barium | 3.23 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 10/15/2004 0:00 | 101504UT141ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 10/15/2004 0:00 | 101504UT141ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 10/15/2004 0:00 | 101504UT141ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 10/15/2004 0:00 | 101504UT141ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 10/15/2004 0:00 | 101504UT141ASW001 | Boron | 3.7 | UG/L | J | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 10/15/2004 0:00 | 101504UT141ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 10/15/2004 0:00 | 101504UT141ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 10/15/2004 0:00 | 101504UT141ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 10/15/2004 0:00 | 101504UT141ASW001 | Calcium | 8200 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 10/15/2004 0:00 | 101504UT141ASW001 | Calcium | 6760 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 10/15/2004 0:00 | 101504UT141ASW001 | Chromium | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 10/15/2004 0:00 | 101504UT141ASW001 | Chromium | 0.226 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 10/15/2004 0:00 | 101504UT141ASW001 | Cobalt | 0.0784 | UG/L | BQ1,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 10/15/2004 0:00 | 101504UT141ASW001 | Cobalt | 0.509 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 10/15/2004 0:00 | 101504UT141ASW001 | Copper | 0.171 | UG/L | BQ1,J | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 10/15/2004 0:00 | 101504UT141ASW001 | Copper | 0.367 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 10/15/2004 0:00 | 101504UT141ASW001 | Cyanide | 0.004 | MG/L | BQ,J | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |

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Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT141A | 10/15/2004 0:00 | 101504UT141ASW001 | Cyanide, Weak Acid Dissociable | 0.0038 | MG/L | BQ,J | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 10/15/2004 0:00 | 101504UT141ASW001 | Hardness as CaCO3 | 27.2 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 10/15/2004 0:00 | 101504UT141ASW001 | Iron | 345 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 10/15/2004 0:00 | 101504UT141ASW001 | Iron | 202 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 10/15/2004 0:00 | 101504UT141ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 10/15/2004 0:00 | 101504UT141ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 10/15/2004 0:00 | 101504UT141ASW001 | Magnesium | 1640 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 10/15/2004 0:00 | 101504UT141ASW001 | Magnesium | 1410 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 10/15/2004 0:00 | 101504UT141ASW001 | Manganese | 17 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 10/15/2004 0:00 | 101504UT141ASW001 | Manganese | 16.4 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 10/15/2004 0:00 | 101504UT141ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 10/15/2004 0:00 | 101504UT141ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 10/15/2004 0:00 | 101504UT141ASW001 | Nickel | 0.178 | UG/L | J | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 10/15/2004 0:00 | 101504UT141ASW001 | Nickel | 0.372 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 10/15/2004 0:00 | 101504UT141ASW001 | Nitrogen, Ammonia (as N) | 0.035 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 10/15/2004 0:00 | 101504UT141ASW001 | Nitrogen, Nitrate-Nitrite | 0.91 | MG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 10/15/2004 0:00 | 101504UT141ASW001 | pH | 7.12 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 10/15/2004 0:00 | 101504UT141ASW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 10/15/2004 0:00 | 101504UT141ASW001 | Potassium | 187 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 10/15/2004 0:00 | 101504UT141ASW001 | Potassium | 155 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 10/15/2004 0:00 | 101504UT141ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 10/15/2004 0:00 | 101504UT141ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 10/15/2004 0:00 | 101504UT141ASW001 | Silicon | 4530 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 10/15/2004 0:00 | 101504UT141ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 10/15/2004 0:00 | 101504UT141ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 10/15/2004 0:00 | 101504UT141ASW001 | Sodium | 2080 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 10/15/2004 0:00 | 101504UT141ASW001 | Sodium | 1880 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 10/15/2004 0:00 | 101504UT141ASW001 | Specific Conductance | 70 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 10/15/2004 0:00 | 101504UT141ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 10/15/2004 0:00 | 101504UT141ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |

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Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT141A | 10/15/2004 0:00 | 101504UT141ASW001 | Thiocyanate | 0.31 | MG/L | | 1 | 0.059 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 10/15/2004 0:00 | 101504UT141ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 10/15/2004 0:00 | 101504UT141ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 10/15/2004 0:00 | 101504UT141ASW001 | Total Dissolved Solids | 45 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 10/15/2004 0:00 | 101504UT141ASW001 | Total Suspended Solids | 0.718 | MG/L | | 0.513 | 0.154 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 10/15/2004 0:00 | 101504UT141ASW001 | Vanadium | 0.515 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 10/15/2004 0:00 | 101504UT141ASW001 | Vanadium | 0.252 | UG/L | J | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 10/15/2004 0:00 | 101504UT141ASW001 | Zinc | 1.38 | UG/L | BQ1,J | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 10/15/2004 0:00 | 101504UT141ASW001 | Zinc | 2.49 | UG/L | | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT141A | 10/16/2004 0:00 | 101604UT141ASW001 | Chloride | 1.08 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 10/16/2004 0:00 | 101604UT141ASW001 | Fluoride | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT141A | 10/16/2004 0:00 | 101604UT141ASW001 | Sulfate | 1.49 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 4/30/2004 0:00 | 043004UT146ASW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 4/30/2004 0:00 | 043004UT146ASW001 | Alkalinity, Total | 6 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 4/30/2004 0:00 | 043004UT146ASW001 | Aluminum | 220 | UG/L | | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 4/30/2004 0:00 | 043004UT146ASW001 | Aluminum | 54.7 | UG/L | BQ1 | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 4/30/2004 0:00 | 043004UT146ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 4/30/2004 0:00 | 043004UT146ASW001 | Antimony | 0.224 | UG/L | BQ1 | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 4/30/2004 0:00 | 043004UT146ASW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 4/30/2004 0:00 | 043004UT146ASW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 4/30/2004 0:00 | 043004UT146ASW001 | Barium | 3.15 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 4/30/2004 0:00 | 043004UT146ASW001 | Barium | 3.22 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 4/30/2004 0:00 | 043004UT146ASW001 | Beryllium | 0.0177 | UG/L | J | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 4/30/2004 0:00 | 043004UT146ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 4/30/2004 0:00 | 043004UT146ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 4/30/2004 0:00 | 043004UT146ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 4/30/2004 0:00 | 043004UT146ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 4/30/2004 0:00 | 043004UT146ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 4/30/2004 0:00 | 043004UT146ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 4/30/2004 0:00 | 043004UT146ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |

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Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT146A | 4/30/2004 0:00 | 043004UT146ASW001 | Calcium | 2120 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 4/30/2004 0:00 | 043004UT146ASW001 | Calcium | 2370 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 4/30/2004 0:00 | 043004UT146ASW001 | Chloride | 0.546 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 4/30/2004 0:00 | 043004UT146ASW001 | Chromium | 0.177 | UG/L | J | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 4/30/2004 0:00 | 043004UT146ASW001 | Chromium | 0.179 | UG/L | J | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 4/30/2004 0:00 | 043004UT146ASW001 | Cobalt | 0.412 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 4/30/2004 0:00 | 043004UT146ASW001 | Cobalt | 0.487 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 4/30/2004 0:00 | 043004UT146ASW001 | Copper | 1.54 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 4/30/2004 0:00 | 043004UT146ASW001 | Copper | 0.967 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 4/30/2004 0:00 | 043004UT146ASW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 4/30/2004 0:00 | 043004UT146ASW001 | Cyanide, Weak Acid Dissociable | 0.003 | MG/L | J | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 4/30/2004 0:00 | 043004UT146ASW001 | Fluoride | 0.031 | MG/L | J, BQ | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 4/30/2004 0:00 | 043004UT146ASW001 | Hardness as CaCO3 | 8.44 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 4/30/2004 0:00 | 043004UT146ASW001 | Hardness as CaCO3 | 9.06 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 4/30/2004 0:00 | 043004UT146ASW001 | Iron | 583 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 4/30/2004 0:00 | 043004UT146ASW001 | Iron | 224 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 4/30/2004 0:00 | 043004UT146ASW001 | Lead | 0 | UG/L | J | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 4/30/2004 0:00 | 043004UT146ASW001 | Lead | 0.319 | UG/L | J, BQ1 | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 4/30/2004 0:00 | 043004UT146ASW001 | Magnesium | 761 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 4/30/2004 0:00 | 043004UT146ASW001 | Magnesium | 761 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 4/30/2004 0:00 | 043004UT146ASW001 | Manganese | 55.4 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 4/30/2004 0:00 | 043004UT146ASW001 | Manganese | 48.2 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 4/30/2004 0:00 | 043004UT146ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 4/30/2004 0:00 | 043004UT146ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 4/30/2004 0:00 | 043004UT146ASW001 | Nickel | 0.58 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 4/30/2004 0:00 | 043004UT146ASW001 | Nickel | 0.592 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 4/30/2004 0:00 | 043004UT146ASW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 4/30/2004 0:00 | 043004UT146ASW001 | Nitrogen, Nitrate-Nitrite | 0.046 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 4/30/2004 0:00 | 043004UT146ASW001 | pH | 6.4 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 4/30/2004 0:00 | 043004UT146ASW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |

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Upper Talarik Creek
2004 Water Quality Table
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| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT146A | 4/30/2004 0:00 | 043004UT146ASW001 | Potassium | 430 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 4/30/2004 0:00 | 043004UT146ASW001 | Potassium | 405 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 4/30/2004 0:00 | 043004UT146ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 4/30/2004 0:00 | 043004UT146ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 4/30/2004 0:00 | 043004UT146ASW001 | Silicon | 1510 | UG/L | BQ1 | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 4/30/2004 0:00 | 043004UT146ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 4/30/2004 0:00 | 043004UT146ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 4/30/2004 0:00 | 043004UT146ASW001 | Sodium | 945 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 4/30/2004 0:00 | 043004UT146ASW001 | Sodium | 1020 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 4/30/2004 0:00 | 043004UT146ASW001 | Specific Conductance | 28 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 4/30/2004 0:00 | 043004UT146ASW001 | Sulfate | 3.52 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 4/30/2004 0:00 | 043004UT146ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 4/30/2004 0:00 | 043004UT146ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 4/30/2004 0:00 | 043004UT146ASW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 4/30/2004 0:00 | 043004UT146ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 4/30/2004 0:00 | 043004UT146ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 4/30/2004 0:00 | 043004UT146ASW001 | Total Dissolved Solids | 26.3 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 4/30/2004 0:00 | 043004UT146ASW001 | Total Suspended Solids | 4.6 | MG/L | | 1 | 0.3 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 4/30/2004 0:00 | 043004UT146ASW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 4/30/2004 0:00 | 043004UT146ASW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 4/30/2004 0:00 | 043004UT146ASW001 | Zinc | 3.86 | UG/L | | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 4/30/2004 0:00 | 043004UT146ASW001 | Zinc | 3.08 | UG/L | | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 5/20/2004 0:00 | 052004UT146ASW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 5/20/2004 0:00 | 052004UT146ASW001 | Alkalinity, Total | 12 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 5/20/2004 0:00 | 052004UT146ASW001 | Aluminum | 136 | UG/L | | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 5/20/2004 0:00 | 052004UT146ASW001 | Aluminum | 211 | UG/L | | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 5/20/2004 0:00 | 052004UT146ASW001 | Antimony | 0.11 | UG/L | J,BQ1 | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 5/20/2004 0:00 | 052004UT146ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 5/20/2004 0:00 | 052004UT146ASW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 5/20/2004 0:00 | 052004UT146ASW001 | Arsenic | 0.261 | UG/L | J,BQ1 | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT146A | 5/20/2004 0:00 | 052004UT146ASW001 | Barium | 5.24 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 5/20/2004 0:00 | 052004UT146ASW001 | Barium | 6.87 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 5/20/2004 0:00 | 052004UT146ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 5/20/2004 0:00 | 052004UT146ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 5/20/2004 0:00 | 052004UT146ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 5/20/2004 0:00 | 052004UT146ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 5/20/2004 0:00 | 052004UT146ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 5/20/2004 0:00 | 052004UT146ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 5/20/2004 0:00 | 052004UT146ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 5/20/2004 0:00 | 052004UT146ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 5/20/2004 0:00 | 052004UT146ASW001 | Calcium | 5920 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 5/20/2004 0:00 | 052004UT146ASW001 | Calcium | 5900 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 5/20/2004 0:00 | 052004UT146ASW001 | Chloride | 0.617 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 5/20/2004 0:00 | 052004UT146ASW001 | Chromium | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 5/20/2004 0:00 | 052004UT146ASW001 | Chromium | 0.12 | UG/L | J,BQ1 | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 5/20/2004 0:00 | 052004UT146ASW001 | Cobalt | 2.35 | UG/L | J+ | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 5/20/2004 0:00 | 052004UT146ASW001 | Cobalt | 0.544 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 5/20/2004 0:00 | 052004UT146ASW001 | Copper | 1.9 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 5/20/2004 0:00 | 052004UT146ASW001 | Copper | 2.61 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 5/20/2004 0:00 | 052004UT146ASW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 5/20/2004 0:00 | 052004UT146ASW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 5/20/2004 0:00 | 052004UT146ASW001 | Fluoride | 0.075 | MG/L | J,BQ | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 5/20/2004 0:00 | 052004UT146ASW001 | Hardness as CaCO3 | 21.5 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 5/20/2004 0:00 | 052004UT146ASW001 | Hardness as CaCO3 | 21.5 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 5/20/2004 0:00 | 052004UT146ASW001 | Iron | 260 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 5/20/2004 0:00 | 052004UT146ASW001 | Iron | 414 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 5/20/2004 0:00 | 052004UT146ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 5/20/2004 0:00 | 052004UT146ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 5/20/2004 0:00 | 052004UT146ASW001 | Magnesium | 1630 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 5/20/2004 0:00 | 052004UT146ASW001 | Magnesium | 1630 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT146A | 5/20/2004 0:00 | 052004UT146ASW001 | Manganese | 42.8 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 5/20/2004 0:00 | 052004UT146ASW001 | Manganese | 43.5 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 5/20/2004 0:00 | 052004UT146ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 5/20/2004 0:00 | 052004UT146ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 5/20/2004 0:00 | 052004UT146ASW001 | Nickel | 1.25 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 5/20/2004 0:00 | 052004UT146ASW001 | Nickel | 1.25 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 5/20/2004 0:00 | 052004UT146ASW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 5/20/2004 0:00 | 052004UT146ASW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | R | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 5/20/2004 0:00 | 052004UT146ASW001 | pH | 7.1 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 5/20/2004 0:00 | 052004UT146ASW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 5/20/2004 0:00 | 052004UT146ASW001 | Potassium | 576 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 5/20/2004 0:00 | 052004UT146ASW001 | Potassium | 606 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 5/20/2004 0:00 | 052004UT146ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 5/20/2004 0:00 | 052004UT146ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 5/20/2004 0:00 | 052004UT146ASW001 | Silicon | 4640 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 5/20/2004 0:00 | 052004UT146ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 5/20/2004 0:00 | 052004UT146ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 5/20/2004 0:00 | 052004UT146ASW001 | Sodium | 2360 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 5/20/2004 0:00 | 052004UT146ASW001 | Sodium | 2300 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 5/20/2004 0:00 | 052004UT146ASW001 | Specific Conductance | 70 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 5/20/2004 0:00 | 052004UT146ASW001 | Sulfate | 16.1 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 5/20/2004 0:00 | 052004UT146ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 5/20/2004 0:00 | 052004UT146ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 5/20/2004 0:00 | 052004UT146ASW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 5/20/2004 0:00 | 052004UT146ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 5/20/2004 0:00 | 052004UT146ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 5/20/2004 0:00 | 052004UT146ASW001 | Total Dissolved Solids | 65 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 5/20/2004 0:00 | 052004UT146ASW001 | Total Suspended Solids | 1.1 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 5/20/2004 0:00 | 052004UT146ASW001 | Vanadium | 0.277 | UG/L | J,BQ1,BQ | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 5/20/2004 0:00 | 052004UT146ASW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT146A | 5/20/2004 0:00 | 052004UT146ASW001 | Zinc | 2.44 | UG/L | BQ1 | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 5/20/2004 0:00 | 052004UT146ASW001 | Zinc | 2.85 | UG/L | BQ1 | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 6/17/2004 0:00 | 061704UT146ASW001 | Acidity, Total | 3.4 | MG/L | J | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 6/17/2004 0:00 | 061704UT146ASW001 | Alkalinity, Total | 15.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 6/17/2004 0:00 | 061704UT146ASW001 | Aluminum | 296 | UG/L | | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 6/17/2004 0:00 | 061704UT146ASW001 | Aluminum | 22.1 | UG/L | BQ,BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 6/17/2004 0:00 | 061704UT146ASW001 | Antimony | 0.0877 | UG/L | BQ,J | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 6/17/2004 0:00 | 061704UT146ASW001 | Antimony | 16 | UG/L | J | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 6/17/2004 0:00 | 061704UT146ASW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 6/17/2004 0:00 | 061704UT146ASW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 6/17/2004 0:00 | 061704UT146ASW001 | Barium | 10.6 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 6/17/2004 0:00 | 061704UT146ASW001 | Barium | 10.4 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 6/17/2004 0:00 | 061704UT146ASW001 | Beryllium | 0.0151 | UG/L | J | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 6/17/2004 0:00 | 061704UT146ASW001 | Beryllium | 0.0328 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 6/17/2004 0:00 | 061704UT146ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 6/17/2004 0:00 | 061704UT146ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 6/17/2004 0:00 | 061704UT146ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 6/17/2004 0:00 | 061704UT146ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 6/17/2004 0:00 | 061704UT146ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 6/17/2004 0:00 | 061704UT146ASW001 | Cadmium | 0.517 | UG/L | J | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 6/17/2004 0:00 | 061704UT146ASW001 | Calcium | 9460 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 6/17/2004 0:00 | 061704UT146ASW001 | Calcium | 9140 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 6/17/2004 0:00 | 061704UT146ASW001 | Chloride | 0.726 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 6/17/2004 0:00 | 061704UT146ASW001 | Chromium | 0.194 | UG/L | J | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 6/17/2004 0:00 | 061704UT146ASW001 | Chromium | 0.913 | UG/L | J | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 6/17/2004 0:00 | 061704UT146ASW001 | Cobalt | 1.37 | UG/L | BQ1,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 6/17/2004 0:00 | 061704UT146ASW001 | Cobalt | 3.8 | UG/L | BQ1,J | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 6/17/2004 0:00 | 061704UT146ASW001 | Copper | 3.8 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 6/17/2004 0:00 | 061704UT146ASW001 | Copper | 1.96 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 6/17/2004 0:00 | 061704UT146ASW001 | Cyanide | 0.0079 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT146A | 6/17/2004 0:00 | 061704UT146ASW001 | Cyanide, Weak Acid Dissociable | 0.0055 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 6/17/2004 0:00 | 061704UT146ASW001 | Fluoride | 0.204 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 6/17/2004 0:00 | 061704UT146ASW001 | Hardness as CaCO3 | 34.4 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 6/17/2004 0:00 | 061704UT146ASW001 | Hardness as CaCO3 | 32.5 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 6/17/2004 0:00 | 061704UT146ASW001 | Iron | 173 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 6/17/2004 0:00 | 061704UT146ASW001 | Iron | 890 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 6/17/2004 0:00 | 061704UT146ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 6/17/2004 0:00 | 061704UT146ASW001 | Lead | 0.404 | UG/L | J | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 6/17/2004 0:00 | 061704UT146ASW001 | Magnesium | 2630 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 6/17/2004 0:00 | 061704UT146ASW001 | Magnesium | 2350 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 6/17/2004 0:00 | 061704UT146ASW001 | Manganese | 92.6 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 6/17/2004 0:00 | 061704UT146ASW001 | Manganese | 77.3 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 6/17/2004 0:00 | 061704UT146ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 6/17/2004 0:00 | 061704UT146ASW001 | Molybdenum | 1.84 | UG/L | J | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 6/17/2004 0:00 | 061704UT146ASW001 | Nickel | 2.48 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 6/17/2004 0:00 | 061704UT146ASW001 | Nickel | 2.71 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 6/17/2004 0:00 | 061704UT146ASW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 6/17/2004 0:00 | 061704UT146ASW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | R | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 6/17/2004 0:00 | 061704UT146ASW001 | pH | 7.17 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 6/17/2004 0:00 | 061704UT146ASW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 6/17/2004 0:00 | 061704UT146ASW001 | Potassium | 665 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 6/17/2004 0:00 | 061704UT146ASW001 | Potassium | 636 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 6/17/2004 0:00 | 061704UT146ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 6/17/2004 0:00 | 061704UT146ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 6/17/2004 0:00 | 061704UT146ASW001 | Silicon | 7280 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 6/17/2004 0:00 | 061704UT146ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 6/17/2004 0:00 | 061704UT146ASW001 | Silver | 0.0425 | UG/L | J | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 6/17/2004 0:00 | 061704UT146ASW001 | Sodium | 3390 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 6/17/2004 0:00 | 061704UT146ASW001 | Sodium | 3110 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 6/17/2004 0:00 | 061704UT146ASW001 | Specific Conductance | 105 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT146A | 6/17/2004 0:00 | 061704UT146ASW001 | Sulfate | 29.8 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 6/17/2004 0:00 | 061704UT146ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 6/17/2004 0:00 | 061704UT146ASW001 | Thallium | 0.253 | UG/L | J | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 6/17/2004 0:00 | 061704UT146ASW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 6/17/2004 0:00 | 061704UT146ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 6/17/2004 0:00 | 061704UT146ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 6/17/2004 0:00 | 061704UT146ASW001 | Total Dissolved Solids | 60 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 6/17/2004 0:00 | 061704UT146ASW001 | Total Suspended Solids | 4.6 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 6/17/2004 0:00 | 061704UT146ASW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 6/17/2004 0:00 | 061704UT146ASW001 | Vanadium | 2.4 | UG/L | J | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 6/17/2004 0:00 | 061704UT146ASW001 | Zinc | 5.27 | UG/L | | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 6/17/2004 0:00 | 061704UT146ASW001 | Zinc | 5.88 | UG/L | | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 7/15/2004 0:00 | 071504UT146ASW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 7/15/2004 0:00 | 071504UT146ASW001 | Alkalinity, Total | 24 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 7/15/2004 0:00 | 071504UT146ASW001 | Aluminum | 74.8 | UG/L | | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 7/15/2004 0:00 | 071504UT146ASW001 | Aluminum | 22.4 | UG/L | BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 7/15/2004 0:00 | 071504UT146ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 7/15/2004 0:00 | 071504UT146ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 7/15/2004 0:00 | 071504UT146ASW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 7/15/2004 0:00 | 071504UT146ASW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 7/15/2004 0:00 | 071504UT146ASW001 | Barium | 10.6 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 7/15/2004 0:00 | 071504UT146ASW001 | Barium | 11.2 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 7/15/2004 0:00 | 071504UT146ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 7/15/2004 0:00 | 071504UT146ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 7/15/2004 0:00 | 071504UT146ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 7/15/2004 0:00 | 071504UT146ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 7/15/2004 0:00 | 071504UT146ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 7/15/2004 0:00 | 071504UT146ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 7/15/2004 0:00 | 071504UT146ASW001 | Cadmium | 0.0743 | UG/L | BQ1,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 7/15/2004 0:00 | 071504UT146ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT146A | 7/15/2004 0:00 | 071504UT146ASW001 | Calcium | 11000 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 7/15/2004 0:00 | 071504UT146ASW001 | Calcium | 11500 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 7/15/2004 0:00 | 071504UT146ASW001 | Chloride | 0.741 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 7/15/2004 0:00 | 071504UT146ASW001 | Chromium | 0.212 | UG/L | BQ1 | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 7/15/2004 0:00 | 071504UT146ASW001 | Chromium | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 7/15/2004 0:00 | 071504UT146ASW001 | Cobalt | 0.645 | UG/L | BQ1,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 7/15/2004 0:00 | 071504UT146ASW001 | Cobalt | 1.08 | UG/L | BQ1,J | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 7/15/2004 0:00 | 071504UT146ASW001 | Copper | 1.6 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 7/15/2004 0:00 | 071504UT146ASW001 | Copper | 0.903 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 7/15/2004 0:00 | 071504UT146ASW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 7/15/2004 0:00 | 071504UT146ASW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 7/15/2004 0:00 | 071504UT146ASW001 | Fluoride | 0.12 | MG/L | BQ,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 7/15/2004 0:00 | 071504UT146ASW001 | Hardness as CaCO3 | 43.6 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 7/15/2004 0:00 | 071504UT146ASW001 | Hardness as CaCO3 | 41 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 7/15/2004 0:00 | 071504UT146ASW001 | Iron | 471 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 7/15/2004 0:00 | 071504UT146ASW001 | Iron | 225 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 7/15/2004 0:00 | 071504UT146ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 7/15/2004 0:00 | 071504UT146ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 7/15/2004 0:00 | 071504UT146ASW001 | Magnesium | 3290 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 7/15/2004 0:00 | 071504UT146ASW001 | Magnesium | 3640 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 7/15/2004 0:00 | 071504UT146ASW001 | Manganese | 76.2 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 7/15/2004 0:00 | 071504UT146ASW001 | Manganese | 84.7 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 7/15/2004 0:00 | 071504UT146ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 7/15/2004 0:00 | 071504UT146ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 7/15/2004 0:00 | 071504UT146ASW001 | Nickel | 1.93 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 7/15/2004 0:00 | 071504UT146ASW001 | Nickel | 2.2 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 7/15/2004 0:00 | 071504UT146ASW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 7/15/2004 0:00 | 071504UT146ASW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | | 2 | 0.62 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 7/15/2004 0:00 | 071504UT146ASW001 | pH | 7.37 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 7/15/2004 0:00 | 071504UT146ASW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT146A | 7/15/2004 0:00 | 071504UT146ASW001 | Potassium | 895 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 7/15/2004 0:00 | 071504UT146ASW001 | Potassium | 1010 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 7/15/2004 0:00 | 071504UT146ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 7/15/2004 0:00 | 071504UT146ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 7/15/2004 0:00 | 071504UT146ASW001 | Silicon | 9360 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 7/15/2004 0:00 | 071504UT146ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 7/15/2004 0:00 | 071504UT146ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 7/15/2004 0:00 | 071504UT146ASW001 | Sodium | 3800 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 7/15/2004 0:00 | 071504UT146ASW001 | Sodium | 4140 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 7/15/2004 0:00 | 071504UT146ASW001 | Specific Conductance | 138 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 7/15/2004 0:00 | 071504UT146ASW001 | Sulfate | 36 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 7/15/2004 0:00 | 071504UT146ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 7/15/2004 0:00 | 071504UT146ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 7/15/2004 0:00 | 071504UT146ASW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 7/15/2004 0:00 | 071504UT146ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 7/15/2004 0:00 | 071504UT146ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 7/15/2004 0:00 | 071504UT146ASW001 | Total Dissolved Solids | 93.8 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 7/15/2004 0:00 | 071504UT146ASW001 | Total Suspended Solids | 1.4 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 7/15/2004 0:00 | 071504UT146ASW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 7/15/2004 0:00 | 071504UT146ASW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 7/15/2004 0:00 | 071504UT146ASW001 | Zinc | 1.89 | UG/L | BQ1 | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 7/15/2004 0:00 | 071504UT146ASW001 | Zinc | 1.84 | UG/L | BQ1 | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 8/25/2004 0:00 | 082504UT146ASW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 8/25/2004 0:00 | 082504UT146ASW001 | Alkalinity, Total | 29 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 8/25/2004 0:00 | 082504UT146ASW001 | Aluminum | 43.1 | UG/L | BQ,BQ1 | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 8/25/2004 0:00 | 082504UT146ASW001 | Aluminum | 18 | UG/L | BQ,BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 8/25/2004 0:00 | 082504UT146ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 8/25/2004 0:00 | 082504UT146ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 8/25/2004 0:00 | 082504UT146ASW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 8/25/2004 0:00 | 082504UT146ASW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT146A | 8/25/2004 0:00 | 082504UT146ASW001 | Barium | 11.1 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 8/25/2004 0:00 | 082504UT146ASW001 | Barium | 10.4 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 8/25/2004 0:00 | 082504UT146ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 8/25/2004 0:00 | 082504UT146ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 8/25/2004 0:00 | 082504UT146ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 8/25/2004 0:00 | 082504UT146ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 8/25/2004 0:00 | 082504UT146ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 8/25/2004 0:00 | 082504UT146ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 8/25/2004 0:00 | 082504UT146ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 8/25/2004 0:00 | 082504UT146ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 8/25/2004 0:00 | 082504UT146ASW001 | Calcium | 14100 | UG/L | | 2000 | 600 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 8/25/2004 0:00 | 082504UT146ASW001 | Calcium | 12400 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 8/25/2004 0:00 | 082504UT146ASW001 | Chloride | 0.891 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 8/25/2004 0:00 | 082504UT146ASW001 | Chromium | 0.154 | UG/L | BQ1,J | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 8/25/2004 0:00 | 082504UT146ASW001 | Chromium | 0.17 | UG/L | BQ1,J | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 8/25/2004 0:00 | 082504UT146ASW001 | Cobalt | 0.735 | UG/L | BQ1 | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 8/25/2004 0:00 | 082504UT146ASW001 | Cobalt | 1.33 | UG/L | BQ1 | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 8/25/2004 0:00 | 082504UT146ASW001 | Copper | 1.4 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 8/25/2004 0:00 | 082504UT146ASW001 | Copper | 0.983 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 8/25/2004 0:00 | 082504UT146ASW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 8/25/2004 0:00 | 082504UT146ASW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 8/25/2004 0:00 | 082504UT146ASW001 | Fluoride | 0.095 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 8/25/2004 0:00 | 082504UT146ASW001 | Hardness as CaCO3 | 45.4 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 8/25/2004 0:00 | 082504UT146ASW001 | Hardness as CaCO3 | 50 | MG/L | | 20 | 20 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 8/25/2004 0:00 | 082504UT146ASW001 | Iron | 706 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 8/25/2004 0:00 | 082504UT146ASW001 | Iron | 294 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 8/25/2004 0:00 | 082504UT146ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 8/25/2004 0:00 | 082504UT146ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 8/25/2004 0:00 | 082504UT146ASW001 | Magnesium | 3580 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 8/25/2004 0:00 | 082504UT146ASW001 | Magnesium | 3510 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT146A | 8/25/2004 0:00 | 082504UT146ASW001 | Manganese | 104 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 8/25/2004 0:00 | 082504UT146ASW001 | Manganese | 96.1 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 8/25/2004 0:00 | 082504UT146ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 8/25/2004 0:00 | 082504UT146ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 8/25/2004 0:00 | 082504UT146ASW001 | Nickel | 1.83 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 8/25/2004 0:00 | 082504UT146ASW001 | Nickel | 1.67 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 8/25/2004 0:00 | 082504UT146ASW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 8/25/2004 0:00 | 082504UT146ASW001 | Nitrogen, Nitrate-Nitrite | 1.28 | MG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 8/25/2004 0:00 | 082504UT146ASW001 | pH | 7.64 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 8/25/2004 0:00 | 082504UT146ASW001 | Phosphorus, Total (as P) | 0.06 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 8/25/2004 0:00 | 082504UT146ASW001 | Potassium | 1080 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 8/25/2004 0:00 | 082504UT146ASW001 | Potassium | 1060 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 8/25/2004 0:00 | 082504UT146ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 8/25/2004 0:00 | 082504UT146ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 8/25/2004 0:00 | 082504UT146ASW001 | Silicon | 9700 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 8/25/2004 0:00 | 082504UT146ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 8/25/2004 0:00 | 082504UT146ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 8/25/2004 0:00 | 082504UT146ASW001 | Sodium | 4020 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 8/25/2004 0:00 | 082504UT146ASW001 | Sodium | 3800 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 8/25/2004 0:00 | 082504UT146ASW001 | Specific Conductance | 130 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 8/25/2004 0:00 | 082504UT146ASW001 | Sulfate | 34.6 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 8/25/2004 0:00 | 082504UT146ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 8/25/2004 0:00 | 082504UT146ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 8/25/2004 0:00 | 082504UT146ASW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 8/25/2004 0:00 | 082504UT146ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 8/25/2004 0:00 | 082504UT146ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 8/25/2004 0:00 | 082504UT146ASW001 | Total Dissolved Solids | 108 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 8/25/2004 0:00 | 082504UT146ASW001 | Total Suspended Solids | 1.79 | MG/L | | 0.526 | 0.158 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 8/25/2004 0:00 | 082504UT146ASW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 8/25/2004 0:00 | 082504UT146ASW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT146A | 8/25/2004 0:00 | 082504UT146ASW001 | Zinc | 1.54 | UG/L | BQ1 | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 8/25/2004 0:00 | 082504UT146ASW001 | Zinc | 1.53 | UG/L | BQ1 | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 9/17/2004 0:00 | 091704UT146ASW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 9/17/2004 0:00 | 091704UT146ASW001 | Alkalinity, Total | 32 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 9/17/2004 0:00 | 091704UT146ASW001 | Aluminum | 56.9 | UG/L | BQ1 | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 9/17/2004 0:00 | 091704UT146ASW001 | Aluminum | 19.6 | UG/L | BQ,BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 9/17/2004 0:00 | 091704UT146ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 9/17/2004 0:00 | 091704UT146ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 9/17/2004 0:00 | 091704UT146ASW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 9/17/2004 0:00 | 091704UT146ASW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 9/17/2004 0:00 | 091704UT146ASW001 | Barium | 9.84 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 9/17/2004 0:00 | 091704UT146ASW001 | Barium | 11.1 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 9/17/2004 0:00 | 091704UT146ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 9/17/2004 0:00 | 091704UT146ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 9/17/2004 0:00 | 091704UT146ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 9/17/2004 0:00 | 091704UT146ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 9/17/2004 0:00 | 091704UT146ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 9/17/2004 0:00 | 091704UT146ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 9/17/2004 0:00 | 091704UT146ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 9/17/2004 0:00 | 091704UT146ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 9/17/2004 0:00 | 091704UT146ASW001 | Calcium | 11100 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 9/17/2004 0:00 | 091704UT146ASW001 | Calcium | 15500 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 9/17/2004 0:00 | 091704UT146ASW001 | Chloride | 0.91 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 9/17/2004 0:00 | 091704UT146ASW001 | Chromium | 0.144 | UG/L | J | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 9/17/2004 0:00 | 091704UT146ASW001 | Chromium | 0.221 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 9/17/2004 0:00 | 091704UT146ASW001 | Cobalt | 0.834 | UG/L | J,BQ1 | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 9/17/2004 0:00 | 091704UT146ASW001 | Cobalt | 1.22 | UG/L | J,BQ1 | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 9/17/2004 0:00 | 091704UT146ASW001 | Copper | 0.92 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 9/17/2004 0:00 | 091704UT146ASW001 | Copper | 0.696 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 9/17/2004 0:00 | 091704UT146ASW001 | Cyanide | 0.0026 | MG/L | J | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT146A | 9/17/2004 0:00 | 091704UT146ASW001 | Cyanide, Weak Acid Dissociable | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 9/17/2004 0:00 | 091704UT146ASW001 | Fluoride | 0.105 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 9/17/2004 0:00 | 091704UT146ASW001 | Hardness as CaCO3 | 42 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 9/17/2004 0:00 | 091704UT146ASW001 | Hardness as CaCO3 | 58 | MG/L | | 5 | 5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 9/17/2004 0:00 | 091704UT146ASW001 | Iron | 750 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 9/17/2004 0:00 | 091704UT146ASW001 | Iron | 386 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 9/17/2004 0:00 | 091704UT146ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 9/17/2004 0:00 | 091704UT146ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 9/17/2004 0:00 | 091704UT146ASW001 | Magnesium | 4670 | UG/L | | 200 | 62 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 9/17/2004 0:00 | 091704UT146ASW001 | Magnesium | 3450 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 9/17/2004 0:00 | 091704UT146ASW001 | Manganese | 135 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 9/17/2004 0:00 | 091704UT146ASW001 | Manganese | 136 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 9/17/2004 0:00 | 091704UT146ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 9/17/2004 0:00 | 091704UT146ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 9/17/2004 0:00 | 091704UT146ASW001 | Nickel | 1.76 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 9/17/2004 0:00 | 091704UT146ASW001 | Nickel | 2.06 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 9/17/2004 0:00 | 091704UT146ASW001 | Nitrogen, Ammonia (as N) | 0.042 | MG/L | BQ,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 9/17/2004 0:00 | 091704UT146ASW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | R | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 9/17/2004 0:00 | 091704UT146ASW001 | pH | 7.54 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 9/17/2004 0:00 | 091704UT146ASW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 9/17/2004 0:00 | 091704UT146ASW001 | Potassium | 947 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 9/17/2004 0:00 | 091704UT146ASW001 | Potassium | 1100 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 9/17/2004 0:00 | 091704UT146ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 9/17/2004 0:00 | 091704UT146ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 9/17/2004 0:00 | 091704UT146ASW001 | Silicon | 9890 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 9/17/2004 0:00 | 091704UT146ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 9/17/2004 0:00 | 091704UT146ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 9/17/2004 0:00 | 091704UT146ASW001 | Sodium | 3700 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 9/17/2004 0:00 | 091704UT146ASW001 | Sodium | 4460 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 9/17/2004 0:00 | 091704UT146ASW001 | Specific Conductance | 140 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT146A | 9/17/2004 0:00 | 091704UT146ASW001 | Sulfate | 34 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 9/17/2004 0:00 | 091704UT146ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 9/17/2004 0:00 | 091704UT146ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 9/17/2004 0:00 | 091704UT146ASW001 | Thiocyanate | 0.33 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 9/17/2004 0:00 | 091704UT146ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 9/17/2004 0:00 | 091704UT146ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 9/17/2004 0:00 | 091704UT146ASW001 | Total Dissolved Solids | 105 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 9/17/2004 0:00 | 091704UT146ASW001 | Total Suspended Solids | 1.3 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 9/17/2004 0:00 | 091704UT146ASW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 9/17/2004 0:00 | 091704UT146ASW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 9/17/2004 0:00 | 091704UT146ASW001 | Zinc | 2.76 | UG/L | J,BQ1 | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 9/17/2004 0:00 | 091704UT146ASW001 | Zinc | 4.38 | UG/L | J,BQ1 | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 10/16/2004 0:00 | 101604UT146ASW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 10/16/2004 0:00 | 101604UT146ASW001 | Alkalinity, Total | 20.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 10/16/2004 0:00 | 101604UT146ASW001 | Aluminum | 157 | UG/L | | 25 | 7.8 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 10/16/2004 0:00 | 101604UT146ASW001 | Aluminum | 29.7 | UG/L | BQ,BQ1 | 25 | 7.8 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 10/16/2004 0:00 | 101604UT146ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 10/16/2004 0:00 | 101604UT146ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 10/16/2004 0:00 | 101604UT146ASW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 10/16/2004 0:00 | 101604UT146ASW001 | Arsenic | 0 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 10/16/2004 0:00 | 101604UT146ASW001 | Barium | 8.43 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 10/16/2004 0:00 | 101604UT146ASW001 | Barium | 8.06 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 10/16/2004 0:00 | 101604UT146ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 10/16/2004 0:00 | 101604UT146ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 10/16/2004 0:00 | 101604UT146ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 10/16/2004 0:00 | 101604UT146ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 10/16/2004 0:00 | 101604UT146ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 10/16/2004 0:00 | 101604UT146ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 10/16/2004 0:00 | 101604UT146ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 10/16/2004 0:00 | 101604UT146ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT146A | 10/16/2004 0:00 | 101604UT146ASW001 | Calcium | 7810 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 10/16/2004 0:00 | 101604UT146ASW001 | Calcium | 7980 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 10/16/2004 0:00 | 101604UT146ASW001 | Chloride | 1.02 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 10/16/2004 0:00 | 101604UT146ASW001 | Chromium | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 10/16/2004 0:00 | 101604UT146ASW001 | Chromium | 0.169 | UG/L | BQ1,J | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 10/16/2004 0:00 | 101604UT146ASW001 | Cobalt | 0.962 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 10/16/2004 0:00 | 101604UT146ASW001 | Cobalt | 1.71 | UG/L | BQ1 | 0.1 | 0.031 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 10/16/2004 0:00 | 101604UT146ASW001 | Copper | 1.52 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 10/16/2004 0:00 | 101604UT146ASW001 | Copper | 0.584 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 10/16/2004 0:00 | 101604UT146ASW001 | Cyanide | 0.003 | MG/L | J | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 10/16/2004 0:00 | 101604UT146ASW001 | Cyanide, Weak Acid Dissociable | 0.0035 | MG/L | J | 0.005 | 0.0025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 10/16/2004 0:00 | 101604UT146ASW001 | Fluoride | 0.035 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 10/16/2004 0:00 | 101604UT146ASW001 | Hardness as CaCO3 | 29.7 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 10/16/2004 0:00 | 101604UT146ASW001 | Iron | 481 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 10/16/2004 0:00 | 101604UT146ASW001 | Iron | 269 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 10/16/2004 0:00 | 101604UT146ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 10/16/2004 0:00 | 101604UT146ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 10/16/2004 0:00 | 101604UT146ASW001 | Magnesium | 2480 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 10/16/2004 0:00 | 101604UT146ASW001 | Magnesium | 2480 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 10/16/2004 0:00 | 101604UT146ASW001 | Manganese | 89.3 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 10/16/2004 0:00 | 101604UT146ASW001 | Manganese | 88.3 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 10/16/2004 0:00 | 101604UT146ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 10/16/2004 0:00 | 101604UT146ASW001 | Molybdenum | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 10/16/2004 0:00 | 101604UT146ASW001 | Nickel | 1.72 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 10/16/2004 0:00 | 101604UT146ASW001 | Nickel | 1.95 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 10/16/2004 0:00 | 101604UT146ASW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 10/16/2004 0:00 | 101604UT146ASW001 | Nitrogen, Nitrate-Nitrite | 4.13 | MG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 10/16/2004 0:00 | 101604UT146ASW001 | pH | 7.07 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 10/16/2004 0:00 | 101604UT146ASW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 10/16/2004 0:00 | 101604UT146ASW001 | Potassium | 610 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Upper Talarik Creek
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| UT146A | 10/16/2004 0:00 | 101604UT146ASW001 | Potassium | 612 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 10/16/2004 0:00 | 101604UT146ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 10/16/2004 0:00 | 101604UT146ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 10/16/2004 0:00 | 101604UT146ASW001 | Silicon | 7070 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 10/16/2004 0:00 | 101604UT146ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 10/16/2004 0:00 | 101604UT146ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 10/16/2004 0:00 | 101604UT146ASW001 | Sodium | 3080 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 10/16/2004 0:00 | 101604UT146ASW001 | Sodium | 3060 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 10/16/2004 0:00 | 101604UT146ASW001 | Specific Conductance | 100 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 10/16/2004 0:00 | 101604UT146ASW001 | Sulfate | 23.3 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 10/16/2004 0:00 | 101604UT146ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 10/16/2004 0:00 | 101604UT146ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 10/16/2004 0:00 | 101604UT146ASW001 | Thiocyanate | 0.63 | MG/L | J | 1 | 0.059 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 10/16/2004 0:00 | 101604UT146ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 10/16/2004 0:00 | 101604UT146ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 10/16/2004 0:00 | 101604UT146ASW001 | Total Dissolved Solids | 57.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 10/16/2004 0:00 | 101604UT146ASW001 | Total Suspended Solids | 1.5 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 10/16/2004 0:00 | 101604UT146ASW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 10/16/2004 0:00 | 101604UT146ASW001 | Vanadium | 0 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F depicts Total Metal) |
| UT146A | 10/16/2004 0:00 | 101604UT146ASW001 | Zinc | 4.44 | UG/L | BQ1 | 1.5 | 0.47 | (N) Non-filtered (for metals, N depicts Total Metal) |
| UT146A | 10/16/2004 0:00 | 101604UT146ASW001 | Zinc | 3.18 | UG/L | BQ1 | 1.5 | 0.47 | (F) field-filtered (for metals, F depicts Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

# APPENDIX 6-E
# 2004 Surface Water-quality Data Table

## Kaskanak Creek - KC100A

Pebble Project
Kaskanak Creek - KC100A
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| KC100A | 5/20/2004 0:00 | 052004KC100ASW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 5/20/2004 0:00 | 052004KC100ASW001 | Alkalinity, Total | 17 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 5/20/2004 0:00 | 052004KC100ASW001 | Aluminum | 76.2 | UG/L | | 25 | 7.8 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 5/20/2004 0:00 | 052004KC100ASW001 | Aluminum | 25.1 | UG/L | BQ | 25 | 7.8 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 5/20/2004 0:00 | 052004KC100ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 5/20/2004 0:00 | 052004KC100ASW001 | Antimony | 0.253 | UG/L | BQ1,BQ | 0.2 | 0.077 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 5/20/2004 0:00 | 052004KC100ASW001 | Arsenic | 1.51 | UG/L | BQ1 | 0.5 | 0.25 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 5/20/2004 0:00 | 052004KC100ASW001 | Arsenic | 1.16 | UG/L | BQ1 | 0.5 | 0.25 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 5/20/2004 0:00 | 052004KC100ASW001 | Barium | 1.09 | UG/L | J | 0.3 | 0.094 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 5/20/2004 0:00 | 052004KC100ASW001 | Barium | 1.48 | UG/L | J | 0.3 | 0.094 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 5/20/2004 0:00 | 052004KC100ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 5/20/2004 0:00 | 052004KC100ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 5/20/2004 0:00 | 052004KC100ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 5/20/2004 0:00 | 052004KC100ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 5/20/2004 0:00 | 052004KC100ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 5/20/2004 0:00 | 052004KC100ASW001 | Boron | 4.09 | UG/L | J,BQ | 10 | 3.1 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 5/20/2004 0:00 | 052004KC100ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 5/20/2004 0:00 | 052004KC100ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 5/20/2004 0:00 | 052004KC100ASW001 | Calcium | 3800 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 5/20/2004 0:00 | 052004KC100ASW001 | Calcium | 3950 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 5/20/2004 0:00 | 052004KC100ASW001 | Chloride | 0.952 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 5/20/2004 0:00 | 052004KC100ASW001 | Chromium | 0.155 | UG/L | J,BQ1 | 0.2 | 0.1 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 5/20/2004 0:00 | 052004KC100ASW001 | Chromium | 0.278 | UG/L | BQ1 | 0.2 | 0.1 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 5/20/2004 0:00 | 052004KC100ASW001 | Cobalt | 0.0854 | UG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 5/20/2004 0:00 | 052004KC100ASW001 | Cobalt | 2.89 | UG/L | J+ | 0.1 | 0.031 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 5/20/2004 0:00 | 052004KC100ASW001 | Copper | 0.772 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 5/20/2004 0:00 | 052004KC100ASW001 | Copper | 0.325 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 5/20/2004 0:00 | 052004KC100ASW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 5/20/2004 0:00 | 052004KC100ASW001 | Cyanide, Weak Acid | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 5/20/2004 0:00 | 052004KC100ASW001 | Fluoride | 0.057 | MG/L | J,BQ | 0.1 | 0.031 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 5/20/2004 0:00 | 052004KC100ASW001 | Hardness as CaCO3 | 13.7 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 5/20/2004 0:00 | 052004KC100ASW001 | Hardness as CaCO3 | 13.8 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 5/20/2004 0:00 | 052004KC100ASW001 | Iron | 515 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 5/20/2004 0:00 | 052004KC100ASW001 | Iron | 304 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 5/20/2004 0:00 | 052004KC100ASW001 | Lead | 0.15 | UG/L | J,BQ1 | 0.2 | 0.1 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 5/20/2004 0:00 | 052004KC100ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 5/20/2004 0:00 | 052004KC100ASW001 | Magnesium | 1010 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 5/20/2004 0:00 | 052004KC100ASW001 | Magnesium | 966 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 5/20/2004 0:00 | 052004KC100ASW001 | Manganese | 13.1 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 5/20/2004 0:00 | 052004KC100ASW001 | Manganese | 15.9 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 5/20/2004 0:00 | 052004KC100ASW001 | Molybdenum | 0.426 | UG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 5/20/2004 0:00 | 052004KC100ASW001 | Molybdenum | 0.349 | UG/L | J | 1 | 0.31 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 5/20/2004 0:00 | 052004KC100ASW001 | Nickel | 0.16 | UG/L | J,BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 5/20/2004 0:00 | 052004KC100ASW001 | Nickel | 0.301 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 5/20/2004 0:00 | 052004KC100ASW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 5/20/2004 0:00 | 052004KC100ASW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | R | 0.1 | 0.031 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 5/20/2004 0:00 | 052004KC100ASW001 | pH | 7.6 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 5/20/2004 0:00 | 052004KC100ASW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 5/20/2004 0:00 | 052004KC100ASW001 | Potassium | 386 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 5/20/2004 0:00 | 052004KC100ASW001 | Potassium | 396 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 5/20/2004 0:00 | 052004KC100ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 5/20/2004 0:00 | 052004KC100ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 5/20/2004 0:00 | 052004KC100ASW001 | Silicon | 4230 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 5/20/2004 0:00 | 052004KC100ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 5/20/2004 0:00 | 052004KC100ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 5/20/2004 0:00 | 052004KC100ASW001 | Sodium | 2210 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 5/20/2004 0:00 | 052004KC100ASW001 | Sodium | 2130 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 5/20/2004 0:00 | 052004KC100ASW001 | Specific Conductance | 42 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 5/20/2004 0:00 | 052004KC100ASW001 | Sulfate | 1.5 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 5/20/2004 0:00 | 052004KC100ASW001 | Thallium | 0.029 | UG/L | J | 0.05 | 0.025 | (N) Non-filtered (for metals, N = Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Kaskanak Creek - KC100A
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| KC100A | 5/20/2004 0:00 | 052004KC100ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 5/20/2004 0:00 | 052004KC100ASW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 5/20/2004 0:00 | 052004KC100ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 5/20/2004 0:00 | 052004KC100ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 5/20/2004 0:00 | 052004KC100ASW001 | Total Dissolved Solids | 43.8 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 5/20/2004 0:00 | 052004KC100ASW001 | Total Suspended Solids | 4.1 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 5/20/2004 0:00 | 052004KC100ASW001 | Vanadium | 1.69 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 5/20/2004 0:00 | 052004KC100ASW001 | Vanadium | 0.961 | UG/L | BQ1 | 0.4 | 0.25 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 5/20/2004 0:00 | 052004KC100ASW001 | Zinc | 1.1 | UG/L | J,BQ1 | 1.5 | 0.47 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 5/20/2004 0:00 | 052004KC100ASW001 | Zinc | 1.36 | UG/L | J,BQ1 | 1.5 | 0.47 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 6/5/2004 0:00 | 060504KC100ASW001 | Alkalinity, Total | 26.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 6/15/2004 0:00 | 061504KC100ASW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 6/15/2004 0:00 | 061504KC100ASW001 | Alkalinity, Total | 25 | MG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 6/15/2004 0:00 | 061504KC100ASW001 | Aluminum | 33.5 | UG/L | BQ,BQ1 | 25 | 7.8 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 6/15/2004 0:00 | 061504KC100ASW001 | Aluminum | 16 | UG/L | BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 6/15/2004 0:00 | 061504KC100ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 6/15/2004 0:00 | 061504KC100ASW001 | Antimony | 0.388 | UG/L | J | 0.2 | 0.077 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 6/15/2004 0:00 | 061504KC100ASW001 | Arsenic | 1.68 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 6/15/2004 0:00 | 061504KC100ASW001 | Arsenic | 1.41 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 6/15/2004 0:00 | 061504KC100ASW001 | Barium | 1.53 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 6/15/2004 0:00 | 061504KC100ASW001 | Barium | 1.39 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 6/15/2004 0:00 | 061504KC100ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 6/15/2004 0:00 | 061504KC100ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 6/15/2004 0:00 | 061504KC100ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 6/15/2004 0:00 | 061504KC100ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 6/15/2004 0:00 | 061504KC100ASW001 | Boron | 3.81 | UG/L | BQ,J | 10 | 3.1 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 6/15/2004 0:00 | 061504KC100ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 6/15/2004 0:00 | 061504KC100ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 6/15/2004 0:00 | 061504KC100ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 6/15/2004 0:00 | 061504KC100ASW001 | Calcium | 5170 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 6/15/2004 0:00 | 061504KC100ASW001 | Calcium | 5110 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 6/15/2004 0:00 | 061504KC100ASW001 | Chloride | 1.11 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 6/15/2004 0:00 | 061504KC100ASW001 | Chromium | 0.339 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 6/15/2004 0:00 | 061504KC100ASW001 | Chromium | 0.259 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 6/15/2004 0:00 | 061504KC100ASW001 | Cobalt | 0.0627 | UG/L | BQ1,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 6/15/2004 0:00 | 061504KC100ASW001 | Cobalt | 3.1 | UG/L | BQ1,J | 0.1 | 0.031 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 6/15/2004 0:00 | 061504KC100ASW001 | Copper | 0.315 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 6/15/2004 0:00 | 061504KC100ASW001 | Copper | 0.265 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 6/15/2004 0:00 | 061504KC100ASW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 6/15/2004 0:00 | 061504KC100ASW001 | Cyanide, Weak Acid | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 6/15/2004 0:00 | 061504KC100ASW001 | Fluoride | 0.071 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 6/15/2004 0:00 | 061504KC100ASW001 | Hardness as CaCO3 | 18.1 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 6/15/2004 0:00 | 061504KC100ASW001 | Hardness as CaCO3 | 17.9 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 6/15/2004 0:00 | 061504KC100ASW001 | Iron | 432 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 6/15/2004 0:00 | 061504KC100ASW001 | Iron | 291 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 6/15/2004 0:00 | 061504KC100ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 6/15/2004 0:00 | 061504KC100ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 6/15/2004 0:00 | 061504KC100ASW001 | Magnesium | 1250 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 6/15/2004 0:00 | 061504KC100ASW001 | Magnesium | 1240 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 6/15/2004 0:00 | 061504KC100ASW001 | Manganese | 17.3 | UG/L | J | 1 | 0.5 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 6/15/2004 0:00 | 061504KC100ASW001 | Manganese | 13.6 | UG/L | BQ1,J | 1 | 0.5 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 6/15/2004 0:00 | 061504KC100ASW001 | Molybdenum | 0.411 | UG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 6/15/2004 0:00 | 061504KC100ASW001 | Molybdenum | 0.406 | UG/L | J | 1 | 0.31 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 6/15/2004 0:00 | 061504KC100ASW001 | Nickel | 0.221 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 6/15/2004 0:00 | 061504KC100ASW001 | Nickel | 0.345 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 6/15/2004 0:00 | 061504KC100ASW001 | Nitrogen, Ammonia (as N) | 0.098 | MG/L | BQ,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 6/15/2004 0:00 | 061504KC100ASW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | R | 0.1 | 0.031 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 6/15/2004 0:00 | 061504KC100ASW001 | pH | 7.04 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 6/15/2004 0:00 | 061504KC100ASW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 6/15/2004 0:00 | 061504KC100ASW001 | Potassium | 376 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N = Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Kaskanak Creek - KC100A
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| KC100A | 6/15/2004 0:00 | 061504KC100ASW001 | Potassium | 373 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 6/15/2004 0:00 | 061504KC100ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 6/15/2004 0:00 | 061504KC100ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 6/15/2004 0:00 | 061504KC100ASW001 | Silicon | 4660 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 6/15/2004 0:00 | 061504KC100ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 6/15/2004 0:00 | 061504KC100ASW001 | Silver | 0.067 | UG/L | J | 0.02 | 0.0062 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 6/15/2004 0:00 | 061504KC100ASW001 | Sodium | 2450 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 6/15/2004 0:00 | 061504KC100ASW001 | Sodium | 2490 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 6/15/2004 0:00 | 061504KC100ASW001 | Specific Conductance | 60 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 6/15/2004 0:00 | 061504KC100ASW001 | Sulfate | 1.85 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 6/15/2004 0:00 | 061504KC100ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 6/15/2004 0:00 | 061504KC100ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 6/15/2004 0:00 | 061504KC100ASW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 6/15/2004 0:00 | 061504KC100ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 6/15/2004 0:00 | 061504KC100ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 6/15/2004 0:00 | 061504KC100ASW001 | Total Dissolved Solids | 32.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 6/15/2004 0:00 | 061504KC100ASW001 | Total Suspended Solids | 2.3 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 6/15/2004 0:00 | 061504KC100ASW001 | Vanadium | 1.01 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 6/15/2004 0:00 | 061504KC100ASW001 | Vanadium | 0.975 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 6/15/2004 0:00 | 061504KC100ASW001 | Zinc | 0.804 | UG/L | BQ1,J | 1.5 | 0.47 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 6/15/2004 0:00 | 061504KC100ASW001 | Zinc | 1.35 | UG/L | BQ1,J | 1.5 | 0.47 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 7/13/2004 0:00 | 071304KC100ASW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 7/13/2004 0:00 | 071304KC100ASW001 | Alkalinity, Total | 29 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 7/13/2004 0:00 | 071304KC100ASW001 | Aluminum | 38.1 | UG/L | BQ,BQ1 | 25 | 7.8 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 7/13/2004 0:00 | 071304KC100ASW001 | Aluminum | 13 | UG/L | BQ,BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 7/13/2004 0:00 | 071304KC100ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 7/13/2004 0:00 | 071304KC100ASW001 | Antimony | 0.141 | UG/L | BQ1,J | 0.2 | 0.077 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 7/13/2004 0:00 | 071304KC100ASW001 | Arsenic | 2.74 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 7/13/2004 0:00 | 071304KC100ASW001 | Arsenic | 1.87 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 7/13/2004 0:00 | 071304KC100ASW001 | Barium | 1.77 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 7/13/2004 0:00 | 071304KC100ASW001 | Barium | 1.46 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 7/13/2004 0:00 | 071304KC100ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 7/13/2004 0:00 | 071304KC100ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 7/13/2004 0:00 | 071304KC100ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 7/13/2004 0:00 | 071304KC100ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 7/13/2004 0:00 | 071304KC100ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 7/13/2004 0:00 | 071304KC100ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 7/13/2004 0:00 | 071304KC100ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 7/13/2004 0:00 | 071304KC100ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 7/13/2004 0:00 | 071304KC100ASW001 | Calcium | 6140 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 7/13/2004 0:00 | 071304KC100ASW001 | Calcium | 5860 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 7/13/2004 0:00 | 071304KC100ASW001 | Chloride | 1.11 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 7/13/2004 0:00 | 071304KC100ASW001 | Chromium | 1.09 | UG/L | BQ1 | 0.2 | 0.1 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 7/13/2004 0:00 | 071304KC100ASW001 | Chromium | 0.241 | UG/L | BQ1 | 0.2 | 0.1 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 7/13/2004 0:00 | 071304KC100ASW001 | Cobalt | 0.0801 | UG/L | BQ1,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 7/13/2004 0:00 | 071304KC100ASW001 | Cobalt | 0.917 | UG/L | BQ1,J | 0.1 | 0.031 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 7/13/2004 0:00 | 071304KC100ASW001 | Copper | 0.522 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 7/13/2004 0:00 | 071304KC100ASW001 | Copper | 0.171 | UG/L | BQ1,J | 0.2 | 0.062 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 7/13/2004 0:00 | 071304KC100ASW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 7/13/2004 0:00 | 071304KC100ASW001 | Cyanide, Weak Acid | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 7/13/2004 0:00 | 071304KC100ASW001 | Fluoride | 0.071 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 7/13/2004 0:00 | 071304KC100ASW001 | Hardness as CaCO3 | 21 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 7/13/2004 0:00 | 071304KC100ASW001 | Hardness as CaCO3 | 21.5 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 7/13/2004 0:00 | 071304KC100ASW001 | Iron | 614 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 7/13/2004 0:00 | 071304KC100ASW001 | Iron | 298 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 7/13/2004 0:00 | 071304KC100ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 7/13/2004 0:00 | 071304KC100ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 7/13/2004 0:00 | 071304KC100ASW001 | Magnesium | 1500 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 7/13/2004 0:00 | 071304KC100ASW001 | Magnesium | 1550 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 7/13/2004 0:00 | 071304KC100ASW001 | Manganese | 16.9 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N = Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Kaskanak Creek - KC100A
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| KC100A | 7/13/2004 0:00 | 071304KC100ASW001 | Manganese | 13.4 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 7/13/2004 0:00 | 071304KC100ASW001 | Molybdenum | 0.403 | UG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 7/13/2004 0:00 | 071304KC100ASW001 | Molybdenum | 0.575 | UG/L | J | 1 | 0.31 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 7/13/2004 0:00 | 071304KC100ASW001 | Nickel | 0.49 | UG/L | | 0.2 | 0.062 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 7/13/2004 0:00 | 071304KC100ASW001 | Nickel | 0.554 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 7/13/2004 0:00 | 071304KC100ASW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 7/13/2004 0:00 | 071304KC100ASW001 | Nitrogen, Nitrate-Nitrite | 1.14 | MG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 7/13/2004 0:00 | 071304KC100ASW001 | pH | 7.35 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 7/13/2004 0:00 | 071304KC100ASW001 | Phosphorus, Total (as P) | 0.0456 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 7/13/2004 0:00 | 071304KC100ASW001 | Potassium | 478 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 7/13/2004 0:00 | 071304KC100ASW001 | Potassium | 468 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 7/13/2004 0:00 | 071304KC100ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 7/13/2004 0:00 | 071304KC100ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 7/13/2004 0:00 | 071304KC100ASW001 | Silicon | 5920 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 7/13/2004 0:00 | 071304KC100ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 7/13/2004 0:00 | 071304KC100ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 7/13/2004 0:00 | 071304KC100ASW001 | Sodium | 2690 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 7/13/2004 0:00 | 071304KC100ASW001 | Sodium | 2780 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 7/13/2004 0:00 | 071304KC100ASW001 | Specific Conductance | 60 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 7/13/2004 0:00 | 071304KC100ASW001 | Sulfate | 1.77 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 7/13/2004 0:00 | 071304KC100ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 7/13/2004 0:00 | 071304KC100ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 7/13/2004 0:00 | 071304KC100ASW001 | Thiocyanate | 0 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 7/13/2004 0:00 | 071304KC100ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 7/13/2004 0:00 | 071304KC100ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 7/13/2004 0:00 | 071304KC100ASW001 | Total Dissolved Solids | 51.3 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 7/13/2004 0:00 | 071304KC100ASW001 | Total Suspended Solids | 4.2 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 7/13/2004 0:00 | 071304KC100ASW001 | Vanadium | 1.22 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 7/13/2004 0:00 | 071304KC100ASW001 | Vanadium | 1.07 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 7/13/2004 0:00 | 071304KC100ASW001 | Zinc | 2.49 | UG/L | BQ,BQ1 | 1.5 | 0.47 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 7/13/2004 0:00 | 071304KC100ASW001 | Zinc | 1.21 | UG/L | BQ,BQ1,J | 1.5 | 0.47 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 8/15/2004 0:00 | 081504KC100ASW001 | Alkalinity, Total | 28 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 8/23/2004 0:00 | 082304KC100ASW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 8/23/2004 0:00 | 082304KC100ASW001 | Alkalinity, Total | 28.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 8/23/2004 0:00 | 082304KC100ASW001 | Aluminum | 23 | UG/L | BQ,BQ1,J | 25 | 7.8 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 8/23/2004 0:00 | 082304KC100ASW001 | Aluminum | 15.7 | UG/L | BQ,BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 8/23/2004 0:00 | 082304KC100ASW001 | Antimony | 0.0884 | UG/L | BQ1,J | 0.2 | 0.077 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 8/23/2004 0:00 | 082304KC100ASW001 | Antimony | 0.0869 | UG/L | BQ1,J | 0.2 | 0.077 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 8/23/2004 0:00 | 082304KC100ASW001 | Arsenic | 2.11 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 8/23/2004 0:00 | 082304KC100ASW001 | Arsenic | 1.57 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 8/23/2004 0:00 | 082304KC100ASW001 | Barium | 1.66 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 8/23/2004 0:00 | 082304KC100ASW001 | Barium | 1.55 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 8/23/2004 0:00 | 082304KC100ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 8/23/2004 0:00 | 082304KC100ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 8/23/2004 0:00 | 082304KC100ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 8/23/2004 0:00 | 082304KC100ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 8/23/2004 0:00 | 082304KC100ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 8/23/2004 0:00 | 082304KC100ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 8/23/2004 0:00 | 082304KC100ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 8/23/2004 0:00 | 082304KC100ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 8/23/2004 0:00 | 082304KC100ASW001 | Calcium | 6290 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 8/23/2004 0:00 | 082304KC100ASW001 | Calcium | 6050 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 8/23/2004 0:00 | 082304KC100ASW001 | Chloride | 1.13 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 8/23/2004 0:00 | 082304KC100ASW001 | Chromium | 0.284 | UG/L | BQ1 | 0.2 | 0.1 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 8/23/2004 0:00 | 082304KC100ASW001 | Chromium | 0.246 | UG/L | BQ1 | 0.2 | 0.1 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 8/23/2004 0:00 | 082304KC100ASW001 | Cobalt | 0.0727 | UG/L | BQ1,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 8/23/2004 0:00 | 082304KC100ASW001 | Cobalt | 0.615 | UG/L | BQ1 | 0.1 | 0.031 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 8/23/2004 0:00 | 082304KC100ASW001 | Copper | 0.188 | UG/L | BQ1,J | 0.2 | 0.062 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 8/23/2004 0:00 | 082304KC100ASW001 | Copper | 0.236 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 8/23/2004 0:00 | 082304KC100ASW001 | Cyanide | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N = Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Kaskanak Creek - KC100A
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| KC100A | 8/23/2004 0:00 | 082304KC100ASW001 | Cyanide, Weak Acid | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 8/23/2004 0:00 | 082304KC100ASW001 | Fluoride | 0.108 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 8/23/2004 0:00 | 082304KC100ASW001 | Hardness as CaCO3 | 22 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 8/23/2004 0:00 | 082304KC100ASW001 | Hardness as CaCO3 | 21.4 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 8/23/2004 0:00 | 082304KC100ASW001 | Iron | 476 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 8/23/2004 0:00 | 082304KC100ASW001 | Iron | 252 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 8/23/2004 0:00 | 082304KC100ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 8/23/2004 0:00 | 082304KC100ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 8/23/2004 0:00 | 082304KC100ASW001 | Magnesium | 1540 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 8/23/2004 0:00 | 082304KC100ASW001 | Magnesium | 1530 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 8/23/2004 0:00 | 082304KC100ASW001 | Manganese | 9.47 | UG/L | BQ1 | 1 | 0.5 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 8/23/2004 0:00 | 082304KC100ASW001 | Manganese | 9.05 | UG/L | BQ1 | 1 | 0.5 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 8/23/2004 0:00 | 082304KC100ASW001 | Molybdenum | 0.597 | UG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 8/23/2004 0:00 | 082304KC100ASW001 | Molybdenum | 0.445 | UG/L | J | 1 | 0.31 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 8/23/2004 0:00 | 082304KC100ASW001 | Nickel | 0.168 | UG/L | J | 0.2 | 0.062 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 8/23/2004 0:00 | 082304KC100ASW001 | Nickel | 0.382 | UG/L | | 0.2 | 0.062 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 8/23/2004 0:00 | 082304KC100ASW001 | Nitrogen, Ammonia (as N) | 0.035 | MG/L | BQ,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 8/23/2004 0:00 | 082304KC100ASW001 | Nitrogen, Nitrate-Nitrite | 0.31 | MG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 8/23/2004 0:00 | 082304KC100ASW001 | pH | 7.3 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 8/23/2004 0:00 | 082304KC100ASW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 8/23/2004 0:00 | 082304KC100ASW001 | Potassium | 510 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 8/23/2004 0:00 | 082304KC100ASW001 | Potassium | 495 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 8/23/2004 0:00 | 082304KC100ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 8/23/2004 0:00 | 082304KC100ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 8/23/2004 0:00 | 082304KC100ASW001 | Silicon | 6920 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 8/23/2004 0:00 | 082304KC100ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 8/23/2004 0:00 | 082304KC100ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 8/23/2004 0:00 | 082304KC100ASW001 | Sodium | 2640 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 8/23/2004 0:00 | 082304KC100ASW001 | Sodium | 2560 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 8/23/2004 0:00 | 082304KC100ASW001 | Specific Conductance | 70 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 8/23/2004 0:00 | 082304KC100ASW001 | Sulfate | 1.7 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 8/23/2004 0:00 | 082304KC100ASW001 | Thallium | 0.0551 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 8/23/2004 0:00 | 082304KC100ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 8/23/2004 0:00 | 082304KC100ASW001 | Thiocyanate | 0.14 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 8/23/2004 0:00 | 082304KC100ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 8/23/2004 0:00 | 082304KC100ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 8/23/2004 0:00 | 082304KC100ASW001 | Total Dissolved Solids | 43.8 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 8/23/2004 0:00 | 082304KC100ASW001 | Total Suspended Solids | 1.4 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 8/23/2004 0:00 | 082304KC100ASW001 | Vanadium | 0.882 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 8/23/2004 0:00 | 082304KC100ASW001 | Vanadium | 0.627 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 8/23/2004 0:00 | 082304KC100ASW001 | Zinc | 0.911 | UG/L | BQ1,J | 1.5 | 0.47 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 8/23/2004 0:00 | 082304KC100ASW001 | Zinc | 0.557 | UG/L | BQ1,J | 1.5 | 0.47 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 9/15/2004 0:00 | 091504KC100ASW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 9/15/2004 0:00 | 091504KC100ASW001 | Alkalinity, Total | 27.8 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 9/15/2004 0:00 | 091504KC100ASW001 | Aluminum | 26.8 | UG/L | BQ1 | 25 | 7.8 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 9/15/2004 0:00 | 091504KC100ASW001 | Aluminum | 18.3 | UG/L | BQ1,J | 25 | 7.8 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 9/15/2004 0:00 | 091504KC100ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 9/15/2004 0:00 | 091504KC100ASW001 | Antimony | 0.0787 | UG/L | J | 0.2 | 0.077 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 9/15/2004 0:00 | 091504KC100ASW001 | Arsenic | 2.08 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 9/15/2004 0:00 | 091504KC100ASW001 | Arsenic | 1.55 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 9/15/2004 0:00 | 091504KC100ASW001 | Barium | 1.29 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 9/15/2004 0:00 | 091504KC100ASW001 | Barium | 1.22 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 9/15/2004 0:00 | 091504KC100ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 9/15/2004 0:00 | 091504KC100ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 9/15/2004 0:00 | 091504KC100ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 9/15/2004 0:00 | 091504KC100ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 9/15/2004 0:00 | 091504KC100ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 9/15/2004 0:00 | 091504KC100ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 9/15/2004 0:00 | 091504KC100ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 9/15/2004 0:00 | 091504KC100ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N = Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Kaskanak Creek - KC100A
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| KC100A | 9/15/2004 0:00 | 091504KC100ASW001 | Calcium | 6110 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 9/15/2004 0:00 | 091504KC100ASW001 | Calcium | 6060 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 9/15/2004 0:00 | 091504KC100ASW001 | Chloride | 1.2 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 9/15/2004 0:00 | 091504KC100ASW001 | Chromium | 0.301 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 9/15/2004 0:00 | 091504KC100ASW001 | Chromium | 0.315 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 9/15/2004 0:00 | 091504KC100ASW001 | Cobalt | 0.0491 | UG/L | BQ1,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 9/15/2004 0:00 | 091504KC100ASW001 | Cobalt | 0.404 | UG/L | J,BQ1 | 0.1 | 0.031 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 9/15/2004 0:00 | 091504KC100ASW001 | Copper | 0.219 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 9/15/2004 0:00 | 091504KC100ASW001 | Copper | 0.247 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 9/15/2004 0:00 | 091504KC100ASW001 | Cyanide | 0.003 | MG/L | BQ,J | 0.005 | 0.0025 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 9/15/2004 0:00 | 091504KC100ASW001 | Cyanide, Weak Acid | 0 | MG/L | | 0.005 | 0.0025 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 9/15/2004 0:00 | 091504KC100ASW001 | Fluoride | 0.078 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 9/15/2004 0:00 | 091504KC100ASW001 | Hardness as CaCO3 | 21.6 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 9/15/2004 0:00 | 091504KC100ASW001 | Hardness as CaCO3 | 21.4 | MG/L | | 0.5 | 0.5 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 9/15/2004 0:00 | 091504KC100ASW001 | Iron | 390 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 9/15/2004 0:00 | 091504KC100ASW001 | Iron | 242 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 9/15/2004 0:00 | 091504KC100ASW001 | Lead | 0.119 | UG/L | J | 0.2 | 0.1 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 9/15/2004 0:00 | 091504KC100ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 9/15/2004 0:00 | 091504KC100ASW001 | Magnesium | 1540 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 9/15/2004 0:00 | 091504KC100ASW001 | Magnesium | 1520 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 9/15/2004 0:00 | 091504KC100ASW001 | Manganese | 8.69 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 9/15/2004 0:00 | 091504KC100ASW001 | Manganese | 8.67 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 9/15/2004 0:00 | 091504KC100ASW001 | Molybdenum | 0.496 | UG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 9/15/2004 0:00 | 091504KC100ASW001 | Molybdenum | 0.431 | UG/L | J | 1 | 0.31 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 9/15/2004 0:00 | 091504KC100ASW001 | Nickel | 0.211 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 9/15/2004 0:00 | 091504KC100ASW001 | Nickel | 0.386 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 9/15/2004 0:00 | 091504KC100ASW001 | Nitrogen, Ammonia (as N) | 0.1 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 9/15/2004 0:00 | 091504KC100ASW001 | Nitrogen, Nitrate-Nitrite | 0 | MG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 9/15/2004 0:00 | 091504KC100ASW001 | pH | 7.49 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 9/15/2004 0:00 | 091504KC100ASW001 | Phosphorus, Total (as P) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 9/15/2004 0:00 | 091504KC100ASW001 | Potassium | 479 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 9/15/2004 0:00 | 091504KC100ASW001 | Potassium | 475 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 9/15/2004 0:00 | 091504KC100ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 9/15/2004 0:00 | 091504KC100ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 9/15/2004 0:00 | 091504KC100ASW001 | Silicon | 6270 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 9/15/2004 0:00 | 091504KC100ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 9/15/2004 0:00 | 091504KC100ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 9/15/2004 0:00 | 091504KC100ASW001 | Sodium | 2870 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 9/15/2004 0:00 | 091504KC100ASW001 | Sodium | 2860 | UG/L | | 100 | 31 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 9/15/2004 0:00 | 091504KC100ASW001 | Specific Conductance | 60 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 9/15/2004 0:00 | 091504KC100ASW001 | Sulfate | 1.95 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 9/15/2004 0:00 | 091504KC100ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 9/15/2004 0:00 | 091504KC100ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 9/15/2004 0:00 | 091504KC100ASW001 | Thiocyanate | 0.35 | MG/L | | 1 | 0.13 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 9/15/2004 0:00 | 091504KC100ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 9/15/2004 0:00 | 091504KC100ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 9/15/2004 0:00 | 091504KC100ASW001 | Total Dissolved Solids | 52.5 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 9/15/2004 0:00 | 091504KC100ASW001 | Total Suspended Solids | 1.3 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 9/15/2004 0:00 | 091504KC100ASW001 | Vanadium | 0.844 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 9/15/2004 0:00 | 091504KC100ASW001 | Vanadium | 0.65 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 9/15/2004 0:00 | 091504KC100ASW001 | Zinc | 1.68 | UG/L | BQ1 | 1.5 | 0.47 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 9/15/2004 0:00 | 091504KC100ASW001 | Zinc | 1.58 | UG/L | BQ1 | 1.5 | 0.47 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 10/17/2004 0:00 | 101704KC100ASW001 | Acidity, Total | 0 | MG/L | | 10 | 3.14 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 10/17/2004 0:00 | 101704KC100ASW001 | Alkalinity, Total | 23 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 10/17/2004 0:00 | 101704KC100ASW001 | Aluminum | 38.1 | UG/L | BQ,BQ1 | 25 | 7.8 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 10/17/2004 0:00 | 101704KC100ASW001 | Aluminum | 26.8 | UG/L | BQ1 | 25 | 7.8 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 10/17/2004 0:00 | 101704KC100ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 10/17/2004 0:00 | 101704KC100ASW001 | Antimony | 0 | UG/L | | 0.2 | 0.077 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 10/17/2004 0:00 | 101704KC100ASW001 | Arsenic | 1.56 | UG/L | | 0.5 | 0.25 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 10/17/2004 0:00 | 101704KC100ASW001 | Arsenic | 1.17 | UG/L | | 0.5 | 0.25 | (F) field-filtered (for metals, F = Dissolved Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Kaskanak Creek - KC100A
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| KC100A | 10/17/2004 0:00 | 101704KC100ASW001 | Barium | 1.71 | UG/L | | 0.3 | 0.094 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 10/17/2004 0:00 | 101704KC100ASW001 | Barium | 1.44 | UG/L | | 0.3 | 0.094 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 10/17/2004 0:00 | 101704KC100ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 10/17/2004 0:00 | 101704KC100ASW001 | Beryllium | 0 | UG/L | | 0.03 | 0.015 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 10/17/2004 0:00 | 101704KC100ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 10/17/2004 0:00 | 101704KC100ASW001 | Bismuth | 0 | UG/L | | 5 | 1.5 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 10/17/2004 0:00 | 101704KC100ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 10/17/2004 0:00 | 101704KC100ASW001 | Boron | 0 | UG/L | | 10 | 3.1 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 10/17/2004 0:00 | 101704KC100ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 10/17/2004 0:00 | 101704KC100ASW001 | Cadmium | 0 | UG/L | | 0.1 | 0.031 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 10/17/2004 0:00 | 101704KC100ASW001 | Calcium | 4530 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 10/17/2004 0:00 | 101704KC100ASW001 | Calcium | 4310 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 10/17/2004 0:00 | 101704KC100ASW001 | Chloride | 1.35 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 10/17/2004 0:00 | 101704KC100ASW001 | Chromium | 0.322 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 10/17/2004 0:00 | 101704KC100ASW001 | Chromium | 0.297 | UG/L | BQ1 | 0.2 | 0.1 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 10/17/2004 0:00 | 101704KC100ASW001 | Cobalt | 1.05 | UG/L | BQ1,J | 0.1 | 0.031 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 10/17/2004 0:00 | 101704KC100ASW001 | Cobalt | 0.0701 | UG/L | BQ1,J | 0.1 | 0.031 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 10/17/2004 0:00 | 101704KC100ASW001 | Copper | 0.264 | UG/L | BQ1 | 0.2 | 0.062 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 10/17/2004 0:00 | 101704KC100ASW001 | Copper | 0.275 | UG/L | BQ1 | 0.2 | 0.062 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 10/17/2004 0:00 | 101704KC100ASW001 | Cyanide | 0.0028 | MG/L | J | 0.005 | 0.0025 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 10/17/2004 0:00 | 101704KC100ASW001 | Cyanide, Weak Acid | 0.0049 | MG/L | J | 0.005 | 0.0025 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 10/17/2004 0:00 | 101704KC100ASW001 | Fluoride | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 10/17/2004 0:00 | 101704KC100ASW001 | Hardness as CaCO3 | 16.2 | MG/L | | 0.5 | 0.5 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 10/17/2004 0:00 | 101704KC100ASW001 | Iron | 461 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 10/17/2004 0:00 | 101704KC100ASW001 | Iron | 293 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 10/17/2004 0:00 | 101704KC100ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 10/17/2004 0:00 | 101704KC100ASW001 | Lead | 0 | UG/L | | 0.2 | 0.1 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 10/17/2004 0:00 | 101704KC100ASW001 | Magnesium | 1190 | UG/L | | 20 | 6.2 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 10/17/2004 0:00 | 101704KC100ASW001 | Magnesium | 1180 | UG/L | | 20 | 6.2 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 10/17/2004 0:00 | 101704KC100ASW001 | Manganese | 14.2 | UG/L | | 1 | 0.5 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 10/17/2004 0:00 | 101704KC100ASW001 | Manganese | 14.5 | UG/L | | 1 | 0.5 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 10/17/2004 0:00 | 101704KC100ASW001 | Molybdenum | 0.328 | UG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 10/17/2004 0:00 | 101704KC100ASW001 | Molybdenum | 0.342 | UG/L | J | 1 | 0.31 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 10/17/2004 0:00 | 101704KC100ASW001 | Nickel | 0.154 | UG/L | J | 0.2 | 0.062 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 10/17/2004 0:00 | 101704KC100ASW001 | Nickel | 0.519 | UG/L | J | 0.2 | 0.062 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 10/17/2004 0:00 | 101704KC100ASW001 | Nitrogen, Ammonia (as N) | 0 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 10/17/2004 0:00 | 101704KC100ASW001 | Nitrogen, Nitrate-Nitrite | 0.56 | MG/L | J | 1 | 0.31 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 10/17/2004 0:00 | 101704KC100ASW001 | pH | 7.18 | PH UNITS | | 0.1 | 0.1 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 10/17/2004 0:00 | 101704KC100ASW001 | Phosphorus, Total (as P) | 0.06 | MG/L | J | 0.1 | 0.031 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 10/17/2004 0:00 | 101704KC100ASW001 | Potassium | 336 | UG/L | | 50 | 15 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 10/17/2004 0:00 | 101704KC100ASW001 | Potassium | 328 | UG/L | | 50 | 15 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 10/17/2004 0:00 | 101704KC100ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 10/17/2004 0:00 | 101704KC100ASW001 | Selenium | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 10/17/2004 0:00 | 101704KC100ASW001 | Silicon | 5500 | UG/L | | 500 | 150 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 10/17/2004 0:00 | 101704KC100ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 10/17/2004 0:00 | 101704KC100ASW001 | Silver | 0 | UG/L | | 0.02 | 0.0062 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 10/17/2004 0:00 | 101704KC100ASW001 | Sodium | 2310 | UG/L | | 100 | 31 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 10/17/2004 0:00 | 101704KC100ASW001 | Sodium | 2310 | UG/L | BQ | 100 | 31 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 10/17/2004 0:00 | 101704KC100ASW001 | Specific Conductance | 55 | UMHOS/CM | | 1 | 0.477 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 10/17/2004 0:00 | 101704KC100ASW001 | Sulfate | 1.7 | MG/L | | 0.1 | 0.031 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 10/17/2004 0:00 | 101704KC100ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 10/17/2004 0:00 | 101704KC100ASW001 | Thallium | 0 | UG/L | | 0.05 | 0.025 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 10/17/2004 0:00 | 101704KC100ASW001 | Thiocyanate | 0.2 | MG/L | J | 1 | 0.059 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 10/17/2004 0:00 | 101704KC100ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 10/17/2004 0:00 | 101704KC100ASW001 | Tin | 0 | UG/L | | 1 | 0.31 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 10/17/2004 0:00 | 101704KC100ASW001 | Total Dissolved Solids | 41.3 | MG/L | | 10 | 3.1 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 10/17/2004 0:00 | 101704KC100ASW001 | Total Suspended Solids | 2 | MG/L | | 0.5 | 0.15 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 10/17/2004 0:00 | 101704KC100ASW001 | Vanadium | 0.891 | UG/L | | 0.4 | 0.25 | (N) Non-filtered (for metals, N = Total Metal) |
| KC100A | 10/17/2004 0:00 | 101704KC100ASW001 | Vanadium | 0.649 | UG/L | | 0.4 | 0.25 | (F) field-filtered (for metals, F = Dissolved Metal) |
| KC100A | 10/17/2004 0:00 | 101704KC100ASW001 | Zinc | 1.15 | UG/L | BQ1,J | 1.5 | 0.47 | (N) Non-filtered (for metals, N = Total Metal) |

(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

Pebble Project
Kaskanak Creek - KC100A
2004 Water Quality Table
Primary Samples - Mine Site

| Sample Location | Sample Date(mm/dd/yyyy) | Sample ID | Parameter | Result | Units | Validation Flag | Method Reporting Limit | Method Detection Limit | Basis |
|---|---|---|---|---|---|---|---|---|---|
| KC100A | 10/17/2004 0:00 | 101704KC100ASW001 | Zinc | 2.1 | UG/L | BQ,BQ1 | 1.5 | 0.47 | (F) field-filtered (for metals, F = Dissolved Metal) |

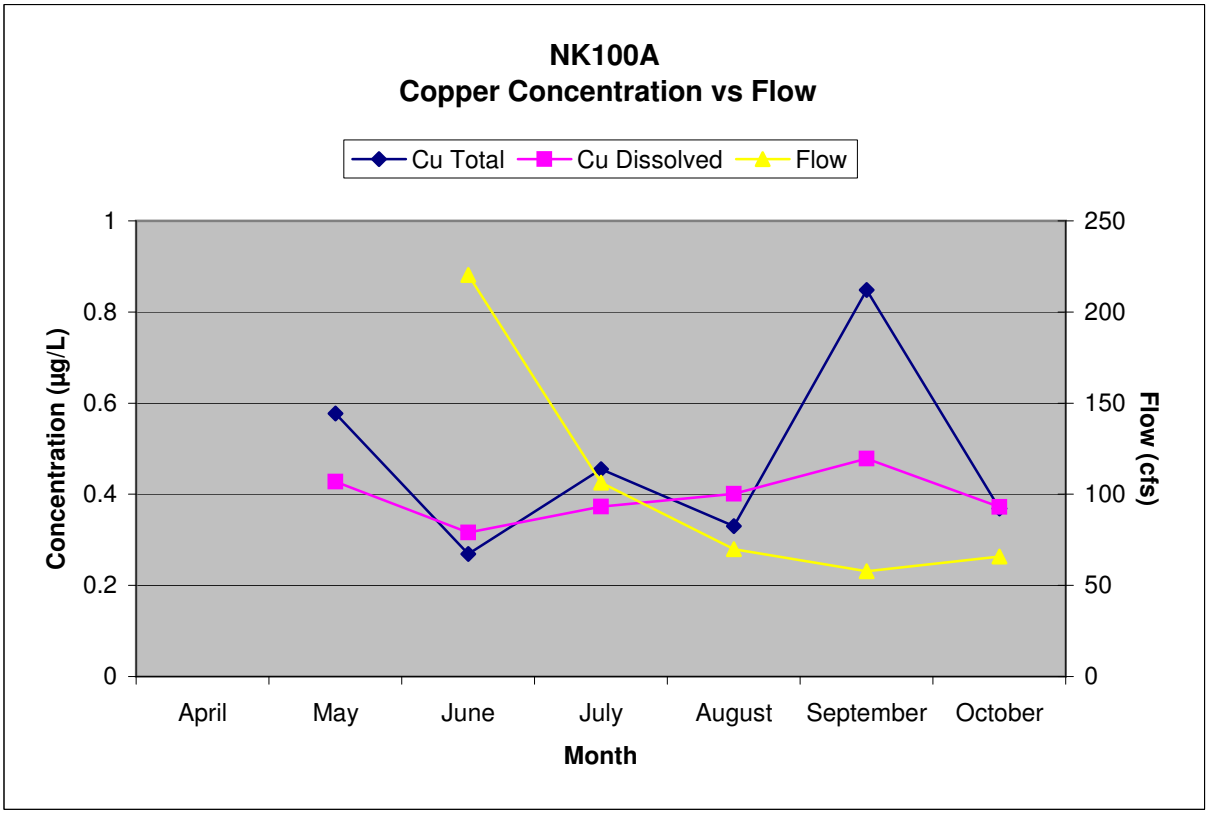
(Result value = 0 indicates the analyte was analyzed for but not detected and is reported to the MDL).

# APPENDIX 6-F
# 2004 Copper Concentrations Versus Flow in Surface Water, Mine Area

**Figure 6F-1**

| Copper Concentration vs Flow at NK100A | | | | | | |
|---|---|---|---|---|---|---|
| | COPPER | COPPER | | | Validation Flags | |
| MONTH | DISSOLVED | TOTAL | UNITS | FLOW (CFS) | Cu Dissolved | Cu Total |
| April | | | | | | |
| May | 0.43 | 0.58 | ug/L | | BQ1, BQ | BQ1 |
| June | 0.32 | 0.27 | ug/L | 220.35 | BQ1 | BQ1 |
| July | 0.37 | 0.46 | ug/L | 106.48 | BQ1 | BQ1 |
| August | 0.40 | 0.33 | ug/L | 69.86 | BQ1 | BQ1 |
| September | 0.48 | 0.85 | ug/L | 57.70 | BQ1 | BQ1 |
| October | 0.37 | 0.37 | ug/L | 65.76 | BQ1 | BQ1 |

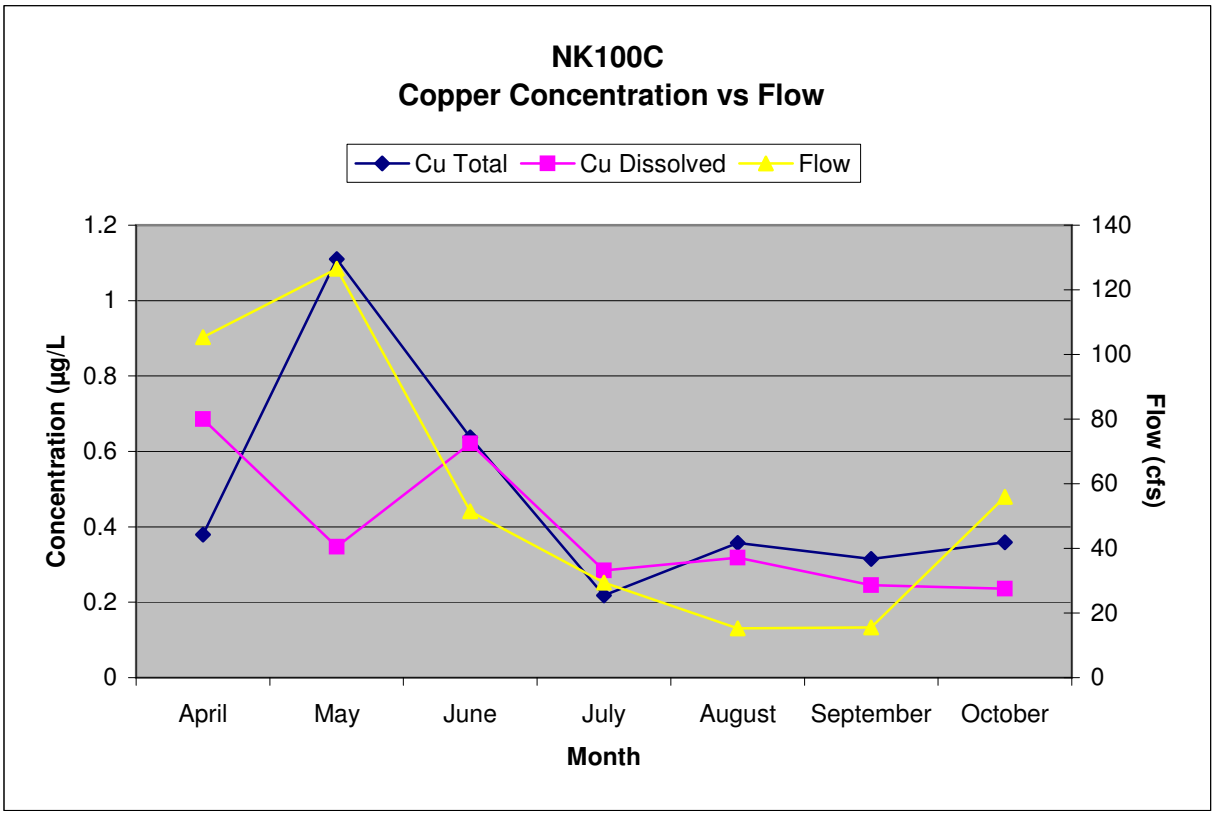
NOTE: Station moved upstream 14,260' in May therefore April data is not included.
Validation Flags: BQ1 or BQ - The result is associated with blank contamination at a level less than or equal to five times the concentration in the blank for contaminants below the MRL (10 times for contaminants above the MRL). Result should be considered not detected at the concentration of the MRL for those results reported below the MRL or as biased high for those reported above the MRL.
The MRL for copper is 0.2 ug/L.
Blank flow cell = not measured due to dangerous high flow conditions.



## Figure 6F-2

| Copper Concentration vs Flow at NK100C | | | | | | |
|---|---|---|---|---|---|---|
| | COPPER | COPPER | | | Validation Flags | |
| MONTH | DISSOLVED | TOTAL | UNITS | FLOW (CFS) | Cu Dissolved | Cu Total |
| April | 0.69 | 0.38 | ug/L | 105.36 | J | J |
| May | 0.35 | 1.11 | ug/L | 126.57 | BQ1, BQ | BQ1 |
| June | 0.62 | 0.64 | ug/L | 51.49 | BQ1 | BQ1 |
| July | 0.28 | 0.22 | ug/L | 29.36 | BQ1 | BQ1 |
| August | 0.32 | 0.36 | ug/L | 15.25 | BQ1 | BQ1 |
| September | 0.25 | 0.32 | ug/L | 15.50 | BQ1 | BQ1 |
| October | 0.24 | 0.36 | ug/L | 55.98 | BQ1 | BQ1 |

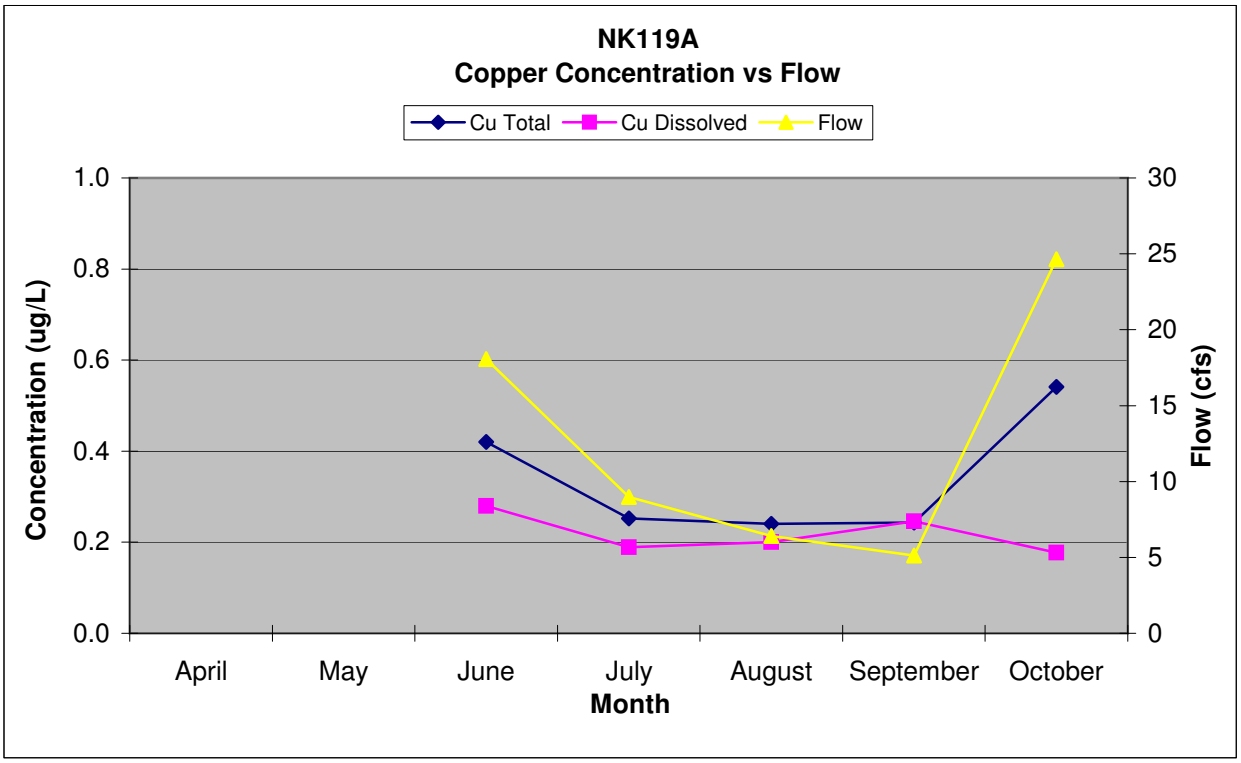
NOTE:
Validation Flags: BQ1 or BQ - The result is associated with blank contamination at a level less than or equal to five times the concentration in the blank for contaminants below the MRL (10 times for contaminants above the MRL). Result should be considered not detected at the concentration of the MRL for those results reported below the MRL or as biased high for those reported above the MRL. The MRL for copper is 0.2 ug/L.
J- The result is an estimated quantity.



## Figure 6F-3

| Copper Concentration vs Flow at NK119A | | | | | | |
|---|---|---|---|---|---|---|
| | COPPER | COPPER | | | Validation Flags | |
| MONTH | DISSOLVED | TOTAL | UNITS | FLOW (CFS) | Cu Dissolved | Cu Total |
| April | | | | | | |
| May | | | | | BQ1 | BQ1 |
| June | 0.28 | 0.42 | ug/L | 18.06 | BQ1 | BQ1 |
| July | 0.19 | 0.25 | ug/L | 8.98 | BQ1, J | BQ1 |
| August | 0.20 | 0.24 | ug/L | 6.40 | BQ1, J | BQ1 |
| September | 0.25 | 0.24 | ug/L | 5.12 | BQ1 | BQ1 |
| October | 0.18 | 0.54 | ug/L | 24.64 | BQ1, J | |

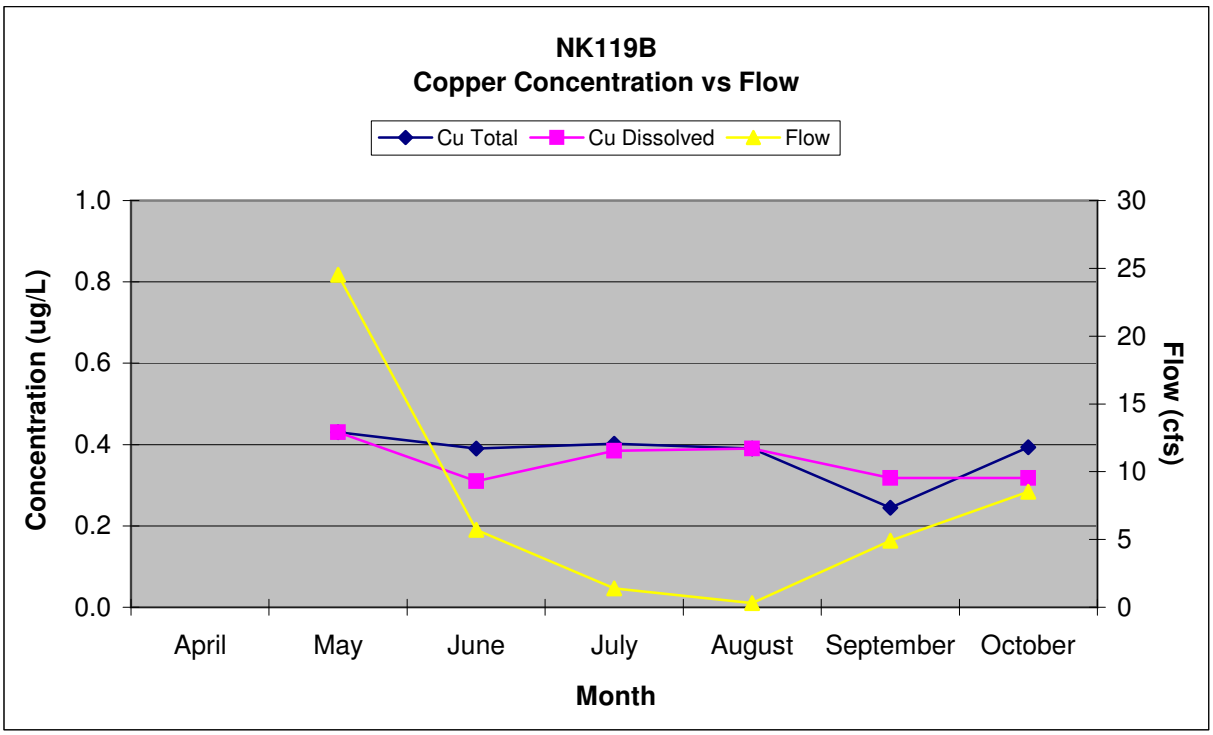
NOTE: Station moved upstream 5,260' in June therefore April and May data is not included.
Validation Flags: BQ1 or BQ - The result is associated with blank contamination at a level less than or equal to five times the concentration in the blank for contaminants below the MRL (10 times for contaminants above the MRL). Result should be considered not detected at the concentration of the MRL for those results reported below the MRL or as biased high for those reported above the MRL. The MRL for copper is 0.2 ug/L.
J- The result is an estimated quantity.



## Figure 6F-4

| Copper Concentration vs Flow at NK119B | | | | | | |
|---|---|---|---|---|---|---|
| | COPPER | COPPER | | | Validation Flags | |
| MONTH | DISSOLVED | TOTAL | UNITS | FLOW (CFS) | Cu Dissolved | Cu Total |
| April | | | | | | |
| May | 0.43 | 0.43 | ug/L | 24.52 | BQ1, J | BQ1 |
| June | 0.31 | 0.39 | ug/L | 5.71 | BQ1 | BQ1 |
| July | 0.39 | 0.40 | ug/L | 1.39 | BQ1 | BQ1 |
| August | 0.39 | 0.39 | ug/L | 0.31 | BQ1 | BQ1 |
| September | 0.32 | 0.25 | ug/L | 4.91 | BQ1 | BQ1 |
| October | 0.32 | 0.39 | ug/L | 8.53 | BQ1 | BQ1 |

NOTE: Station moved downstream 6,600' in May therefore April data is not included.
Validation Flags: BQ1 - The result is associated with inorganic field blank (equipment blank, DI water blank, or trip blank) contamination at a level less than or equal to five times the concentration in the blank for contaminants below the MRL (10 times for contaminants above the MRL). Result should be considered not detected at the concentration of the MRL for those results reported below the MRL or as biased high for those reported above the MRL.
The MRL for copper is 0.2 ug/L.
J- The result is an estimated quantity.



## Figure 6F-5

| Copper Concentration vs Flow at SK100A | | | | | | |
|---|---|---|---|---|---|---|
| | COPPER | COPPER | | | Validation Flags | |
| MONTH | DISSOLVED | TOTAL | UNITS | FLOW (CFS) | Cu Dissolved | Cu Total |
| April | 1.06 | 1.73 | ug/L | 329.44 | BQ | BQ |
| May | 0.57 | 0.87 | ug/L | | BQ1 | BQ1 |
| June | 0.44 | 0.51 | ug/L | 268.11 | BQ1 | BQ1 |
| July | 0.52 | 0.97 | ug/L | 131.61 | BQ1 | BQ1 |
| August | 0.27 | 0.73 | ug/L | 86.95 | BQ1 | BQ1 |
| September | 0.25 | 0.36 | ug/L | 84.90 | BQ1 | BQ1 |
| October | 0.41 | 0.51 | ug/L | 104.20 | BQ1 | BQ1 |

NOTE: Blank cells = not measured due to dangerous high flow conditions.
Validation Flags: BQ1 or BQ - The result is associated with blank contamination at a level less than or equal to five times the concentration in the blank for contaminants below the MRL (10 times for contaminants above the MRL). Result should be considered not detected at the concentration of the MRL for those results reported below the MRL or as biased high for those reported above the MRL.
The MRL for copper is 0.2 ug/L.

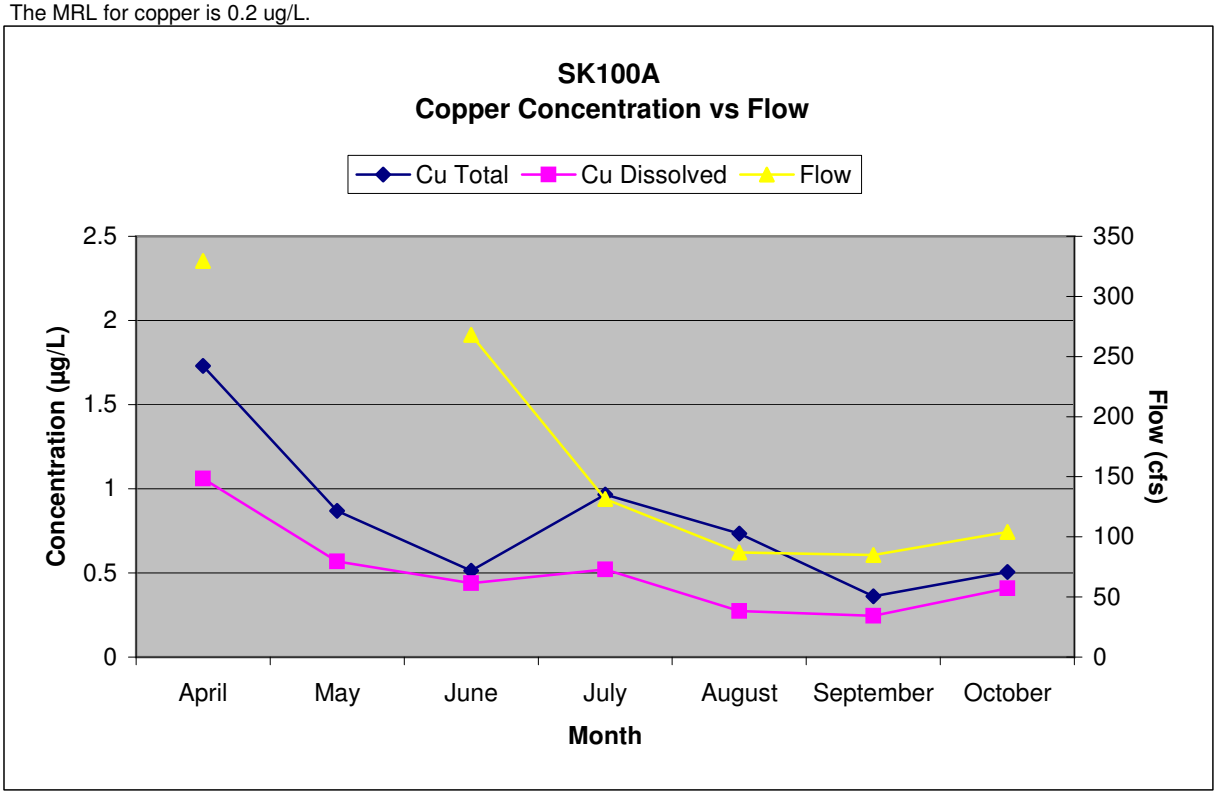


**Figure 6F-6**

| Copper Concentration vs Flow at SK100B | | | | | | |
|---|---|---|---|---|---|---|
| | COPPER | COPPER | | | Validation Flags | |
| MONTH | DISSOLVED | TOTAL | UNITS | FLOW (CFS) | Cu Dissolved | Cu Total |
| April | | | | | BQ | BQ |
| May | 0.78 | 1.14 | ug/L | | BQ1 | BQ1 |
| June | 0.60 | 0.71 | ug/L | 184.95 | BQ1 | BQ1 |
| July | 0.39 | 0.98 | ug/L | 76.51 | BQ1 | BQ1 |
| August | 0.61 | 0.41 | ug/L | 49.51 | BQ1 | BQ1 |
| September | 0.44 | 0.24 | ug/L | 41.10 | BQ1, J | BQ1, J |
| October | 0.56 | 0.70 | ug/L | 188.98 | BQ1 | |

NOTE: Station moved downstream 5,360' in May therefore April data is not included.
Blank flow cell = not measured due to dangerous high flow conditions.
Validation Flags: BQ1 or BQ - The result is associated with blank contamination at a level less than or equal to five times the concentration in the blank for contaminants below the MRL (10 times for contaminants above the MRL). Result should be considered not detected at the concentration of the MRL for those results reported below the MRL or as biased high for those reported above the MRL. The MRL for copper is 0.2 ug/L.
J- The result is an estimated quantity.

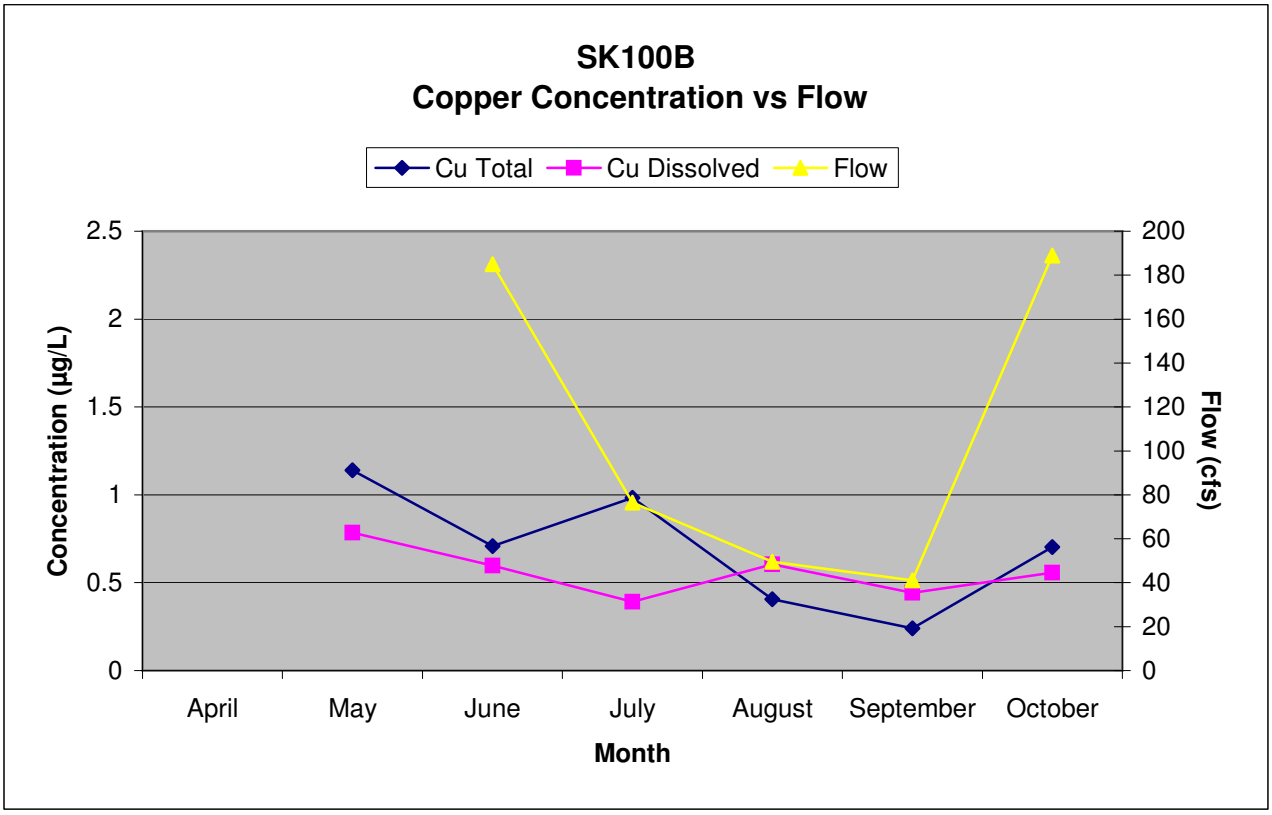
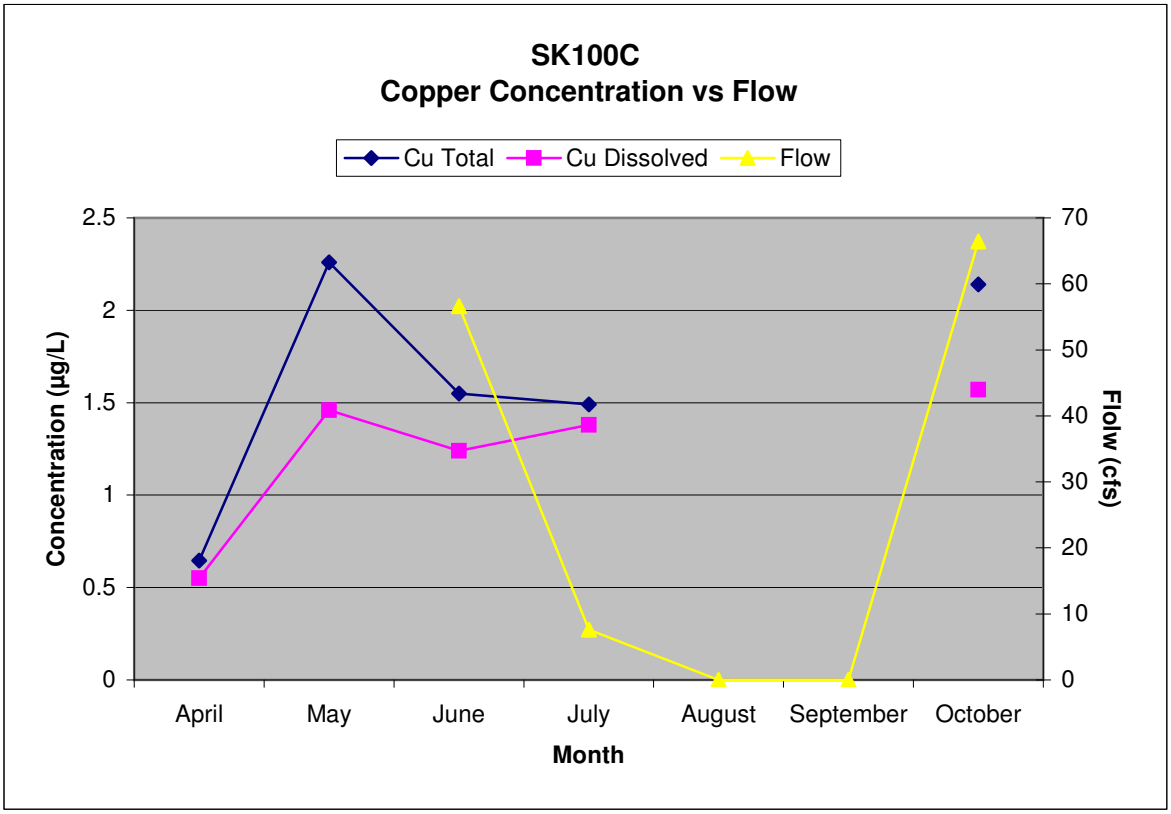


**Figure 6F-7**

| Copper Concentration vs Flow at SK100C | | | | | | |
|---|---|---|---|---|---|---|
| | COPPER | COPPER | | | Validation Flags | |
| MONTH | DISSOLVED | TOTAL | UNITS | FLOW (CFS) | Cu Dissolved | Cu Total |
| April | 0.55 | 0.65 | ug/L | | BQ | BQ |
| May | 1.46 | 2.26 | ug/L | | BQ1 | BQ1 |
| June | 1.24 | 1.55 | ug/L | 56.63 | | |
| July | 1.38 | 1.49 | ug/L | 7.63 | BQ1 | BQ1 |
| August | | | | dry | | |
| September | | | | dry | | |
| October | 1.57 | 2.14 | ug/L | 66.41 | | |

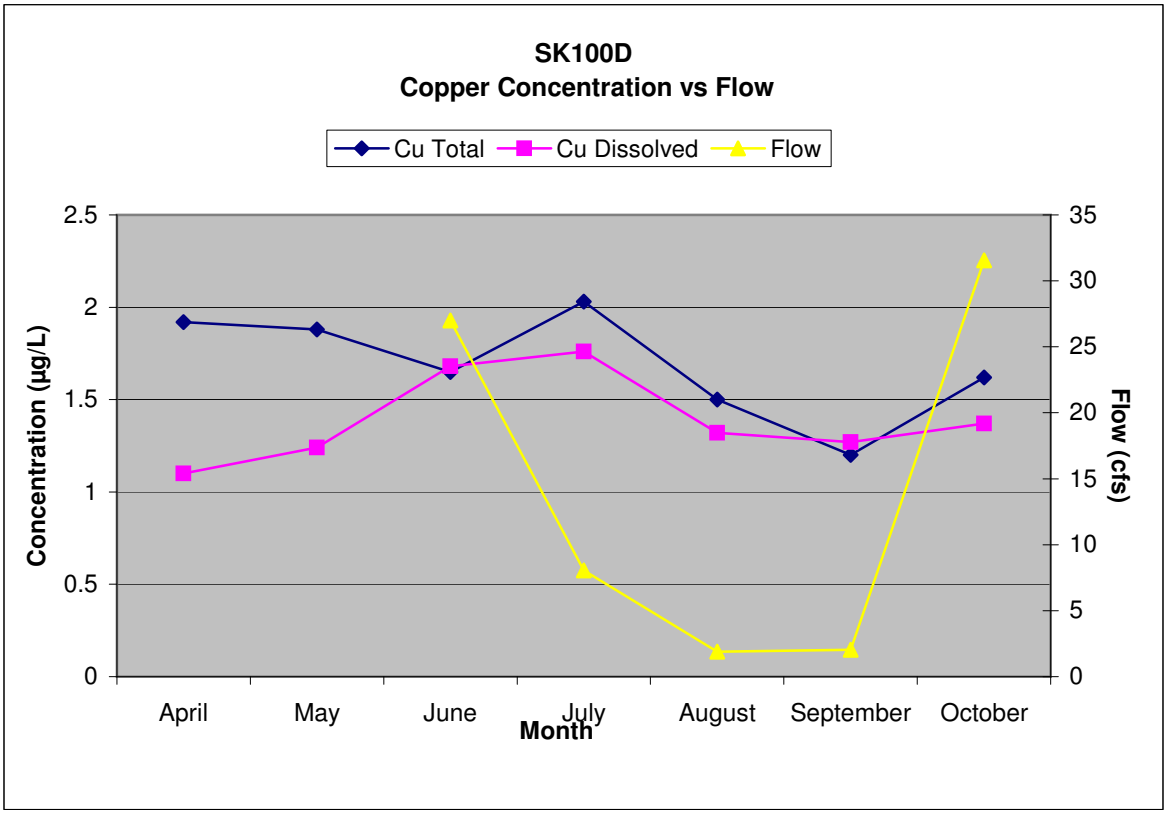
NOTE: Blank cells = not measured due to dangerous high flow or dry conditions.
Validation Flags: BQ1 or BQ - The result is associated with blank contamination at a level less than or equal to five times the concentration in the blank for contaminants below the MRL (10 times for contaminants above the MRL). Result should be considered not detected at the concentration of the MRL for those results reported below the MRL or as biased high for those reported above the MRL.
The MRL for copper is 0.2 ug/L.



## Figure 6F-8

| Copper Concentration vs Flow at SK100D | | | | | | |
|---|---|---|---|---|---|---|
| | COPPER | COPPER | | | Validation Flags | |
| MONTH | DISSOLVED | TOTAL | UNITS | FLOW (CFS) | Cu Dissolved | Cu Total |
| April | 1.10 | 1.92 | ug/L | | BQ | BQ |
| May | 1.24 | 1.88 | ug/L | | BQ1 | BQ1 |
| June | 1.68 | 1.65 | ug/L | 27.00 | | |
| July | 1.76 | 2.03 | ug/L | 8.06 | BQ1 | BQ1 |
| August | 1.32 | 1.50 | ug/L | 1.89 | BQ1 | BQ1 |
| September | 1.27 | 1.20 | ug/L | 2.04 | BQ1 | BQ1 |
| October | 1.37 | 1.62 | ug/L | 31.55 | | |

NOTE: Blank cells = not measured due to dangerous high flow conditions.
Validation Flags: BQ1 or BQ - The result is associated with blank contamination at a level less than or equal to five times the concentration in the blank for contaminants below the MRL (10 times for contaminants above the MRL). Result should be considered not detected at the concentration of the MRL for those results reported below the MRL or as biased high for those reported above the MRL.
The MRL for copper is 0.2 ug/L.



## Figure 6F-9

| Copper Concentration vs Flow at SK100F | | | | | | |
|---|---|---|---|---|---|---|
| | COPPER | COPPER | | | Validation Flags | |
| MONTH | DISSOLVED | TOTAL | UNITS | FLOW (CFS) | Cu Dissolved | Cu Total |
| May | 1.48 | 1.95 | ug/L | 129.71 | BQ1 | BQ1 |
| June | 1.44 | 1.82 | ug/L | 33.15 | | |
| July | 2.21 | 2.64 | ug/L | 7.48 | | |
| August | 1.32 | 1.53 | ug/L | 2.55 | BQ1 | BQ1 |
| September | 1.36 | 1.52 | ug/L | 6.75 | BQ1 | BQ1 |
| October | 1.50 | 3.35 | ug/L | 43.08 | | |

NOTE:
Validation Flags: BQ1 - The result is associated with inorganic field blank (equipment blank, DI water blank, or trip blank) contamination at a level less than or equal to five times the concentration in the blank for contaminants below the MRL (10 times for contaminants above the MRL). Result should be considered not detected at the concentration of the MRL for those results reported below the MRL or as biased high for those reported above the MRL.
The MRL for copper is 0.2 ug/L.

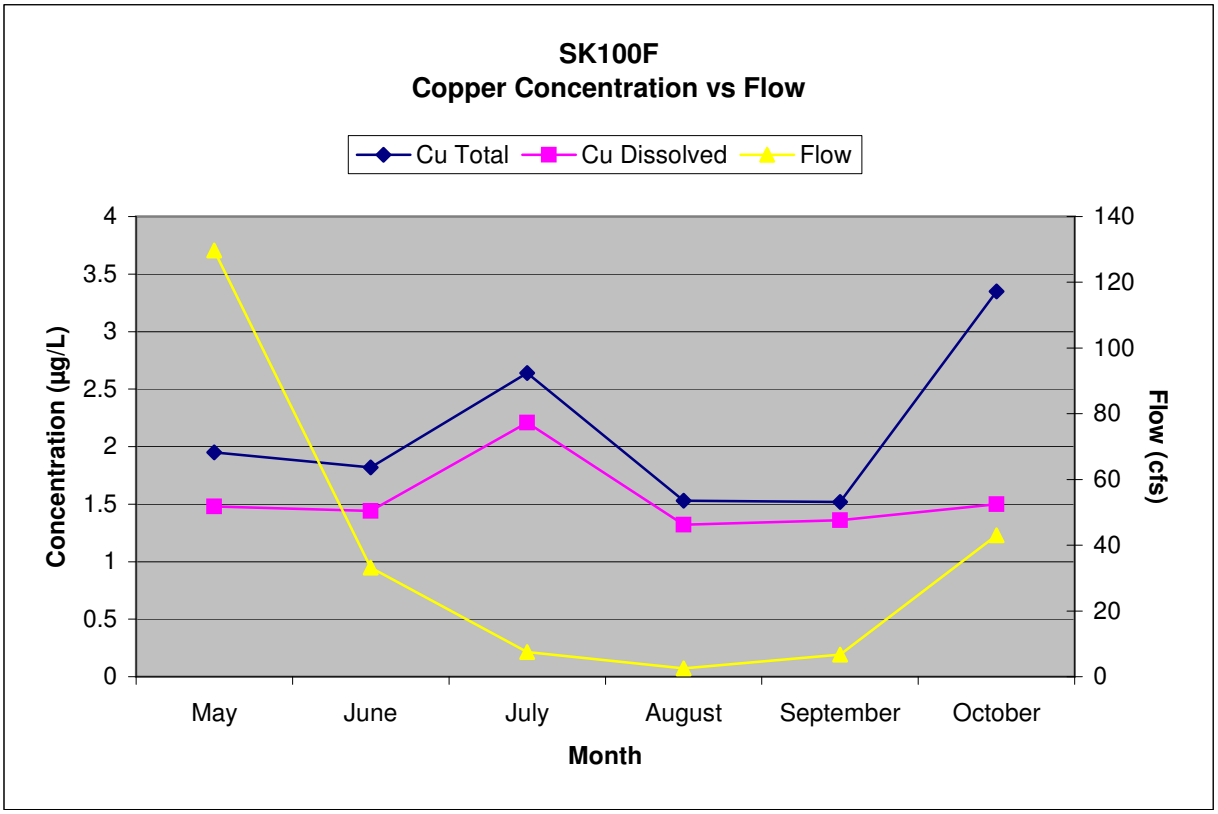


**Figure 6F-10**

| Copper Concentration vs Flow at SK100G | | | | | | |
|---|---|---|---|---|---|---|
| | COPPER | COPPER | | | Validation Flags | |
| MONTH | DISSOLVED | TOTAL | UNITS | FLOW (CFS) | Cu Dissolved | Cu Total |
| April | 2.62 | 4.90 | ug/L | 23.26 | BQ | |
| May | 2.96 | 4.21 | ug/L | 48.14 | BQ1 | BQ1 |
| June | 2.77 | 4.07 | ug/L | 12.15 | | |
| July | 3.05 | 3.21 | ug/L | 6.16 | | |
| August | 3.05 | 2.95 | ug/L | 3.41 | BQ1 | BQ1 |
| September | 1.86 | 2.55 | ug/L | 2.07 | BQ1 | BQ1 |
| October | 2.99 | 4.01 | ug/L | 15.82 | | |

NOTE:
Validation Flags: BQ1 or BQ - The result is associated with blank contamination at a level less than or equal to five times the concentration in the blank for contaminants below the MRL (10 times for contaminants above the MRL). Result should be considered not detected at the concentration of the MRL for those results reported below the MRL or as biased high for those reported above the MRL. The MRL for copper is 0.2 ug/L.

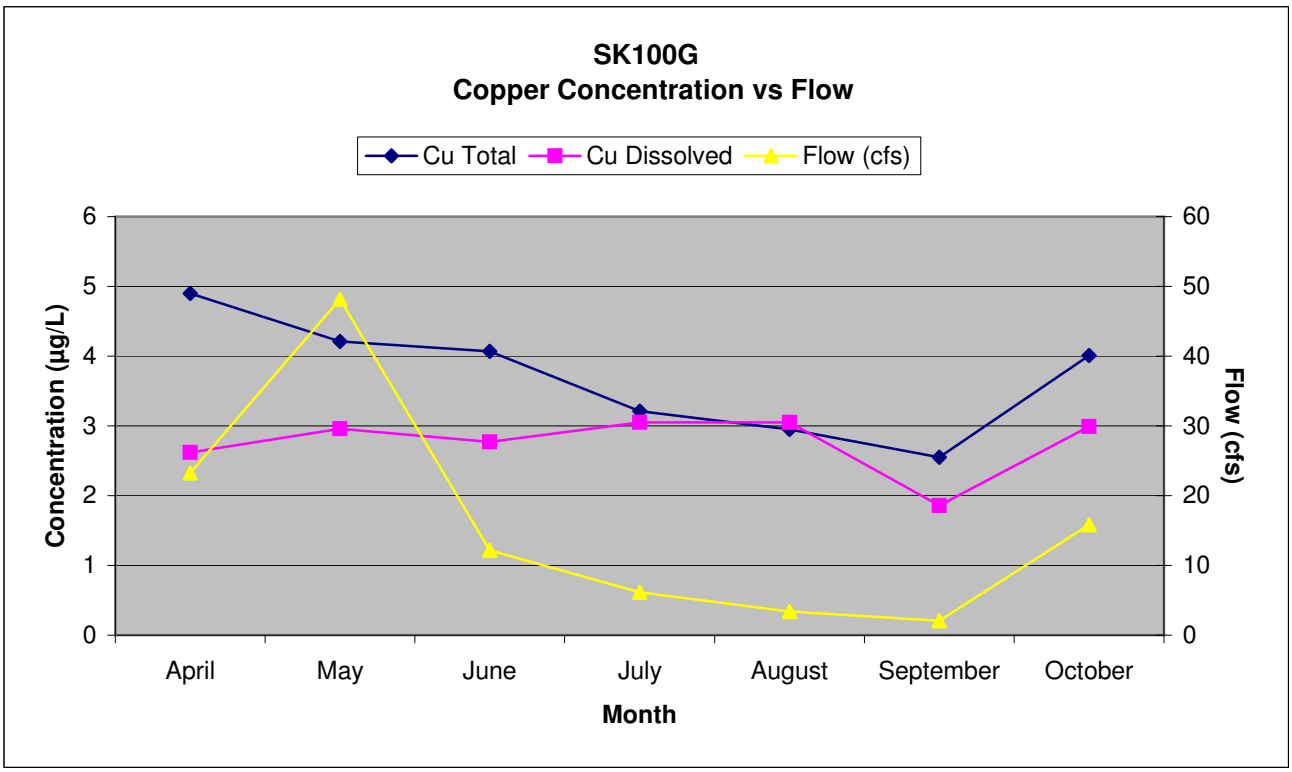


**Figure 6F-11**

| Copper Concentration vs Flow at UT100B | | | | | | |
|---|---|---|---|---|---|---|
| | COPPER | COPPER | | | Validation Flags | |
| MONTH | DISSOLVED | TOTAL | UNITS | FLOW (CFS) | Cu Dissolved | Cu Total |
| April | | | | | | |
| May | 0.40 | 0.40 | ug/L | 362.00 | BQ1, J | BQ1 |
| June | 0.53 | 0.44 | ug/L | 222.76 | BQ1 | BQ1 |
| July | 0.25 | 0.28 | ug/L | 126.73 | BQ1 | BQ1 |
| August | 0.22 | 0.30 | ug/L | 124.30 | BQ1 | BQ1 |
| September | 0.28 | 0.23 | ug/L | 94.90 | BQ1 | BQ1 |
| October | 0.43 | 0.39 | ug/L | 217.51 | BQ1 | BQ1 |

NOTE: Station moved upstream 920' in May therefore April data is not included.
Blank cells = not measured due to dangerous high flow conditions.
Validation Flags: BQ1 - The result is associated with inorganic field blank (equipment blank, DI water blank, or trip blank) contamination at a level less than or equal to five times the concentration in the blank for contaminants below the MRL (10 times for contaminants above the MRL). Result should be considered not detected at the concentration of the MRL for those results reported below the MRL or as biased high for those reported above the MRL.
The MRL for copper is 0.2 ug/L.
J- The result is an estimated quantity.

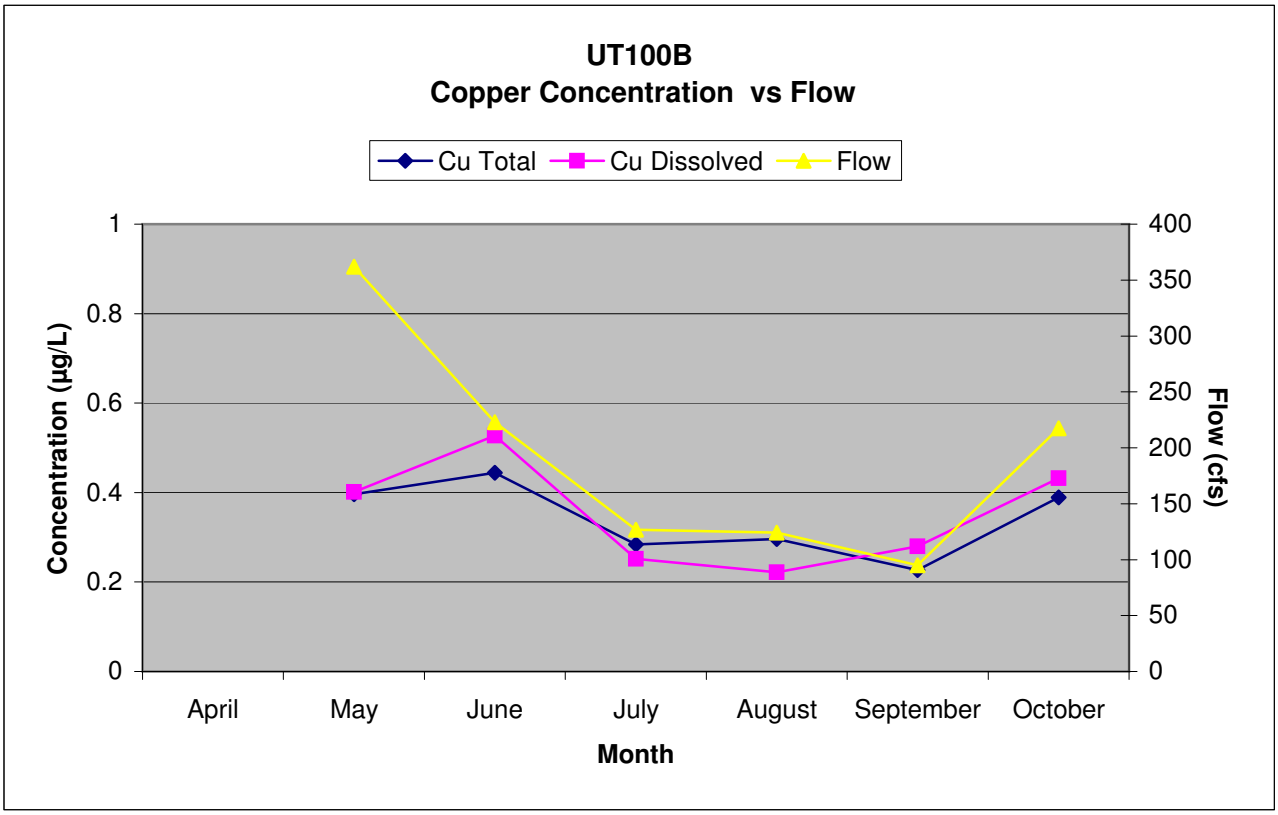
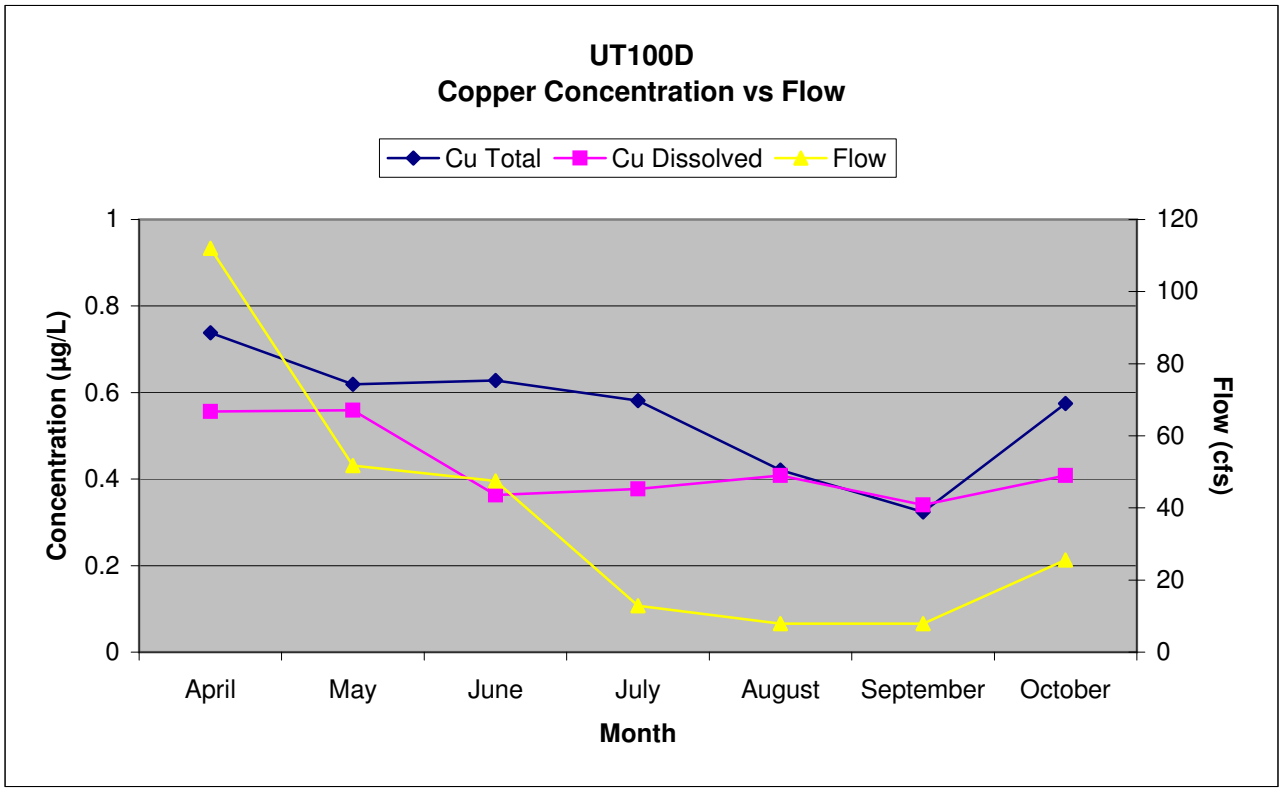


**Figure 6F-12**

| Copper Concentration vs Flow at UT100D | | | | | | |
|---|---|---|---|---|---|---|
| | COPPER | COPPER | | | Validation Flags | |
| MONTH | DISSOLVED | TOTAL | UNITS | FLOW (CFS) | Cu Dissolved | Cu Total |
| April | 0.56 | 0.74 | ug/L | 112.04 | | |
| May | 0.56 | 0.62 | ug/L | 51.76 | BQ1 | BQ1 |
| June | 0.36 | 0.63 | ug/L | 47.44 | BQ1 | BQ1 |
| July | 0.38 | 0.58 | ug/L | 12.88 | BQ1 | BQ1 |
| August | 0.41 | 0.42 | ug/L | 7.89 | BQ1 | BQ1 |
| September | 0.34 | 0.32 | ug/L | 7.89 | BQ1 | BQ1 |
| October | 0.41 | 0.58 | ug/L | 25.53 | BQ1 | |

NOTE:
Validation Flags: BQ1 - The result is associated with inorganic field blank (equipment blank, DI water blank, or trip blank) contamination at a level less than or equal to five times the concentration in the blank for contaminants below the MRL (10 times for contaminants above the MRL). Result should be considered not detected at the concentration of the MRL for those results reported below the MRL or as biased high for those reported above the MRL.
The MRL for copper is 0.2 ug/L.



## Figure 6F-13

| Copper Concentration vs Flow at UT100E | | | | | | |
|---|---|---|---|---|---|---|
| | COPPER | COPPER | | | Validation Flags | |
| MONTH | DISSOLVED | TOTAL | UNITS | FLOW (CFS) | Cu Dissolved | Cu Total |
| April | | | | | | |
| May | 0.32 | 0.32 | ug/L | 20.18 | BQ1 | BQ1 |
| June | 0.46 | 0.38 | ug/L | 19.04 | BQ1 | BQ1 |
| July | 0.19 | 0.25 | ug/L | 7.04 | BQ1, J | BQ1 |
| August | 0.33 | 0.37 | ug/L | 4.75 | BQ1 | BQ1 |
| September | 0.21 | 0.17 | ug/L | 3.85 | BQ1 | BQ1, J |
| October | 0.37 | 0.27 | ug/L | 8.50 | BQ1 | BQ1 |

NOTE: Station moved upstream 1,500' in May therefore April data is not included.
Validation Flags: BQ1 - The result is associated with blank contamination at a level less than or equal to five times the concentration in the blank for contaminants below the MRL (10 times for contaminants above the MRL). Result should be considered not detected at the concentration of the MRL for those results reported below the MRL or as biased high for those reported above the MRL. The MRL for copper is 0.2 ug/L.
J- The result is an estimated quantity.

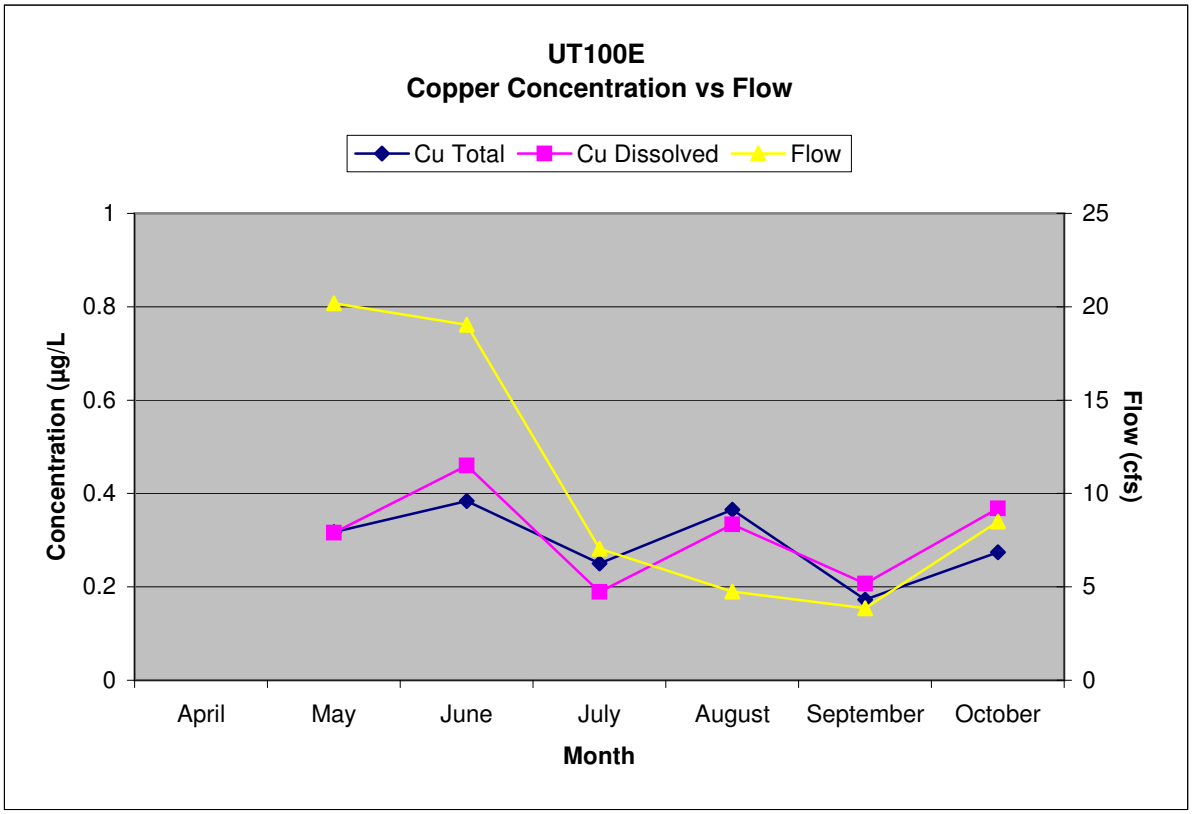
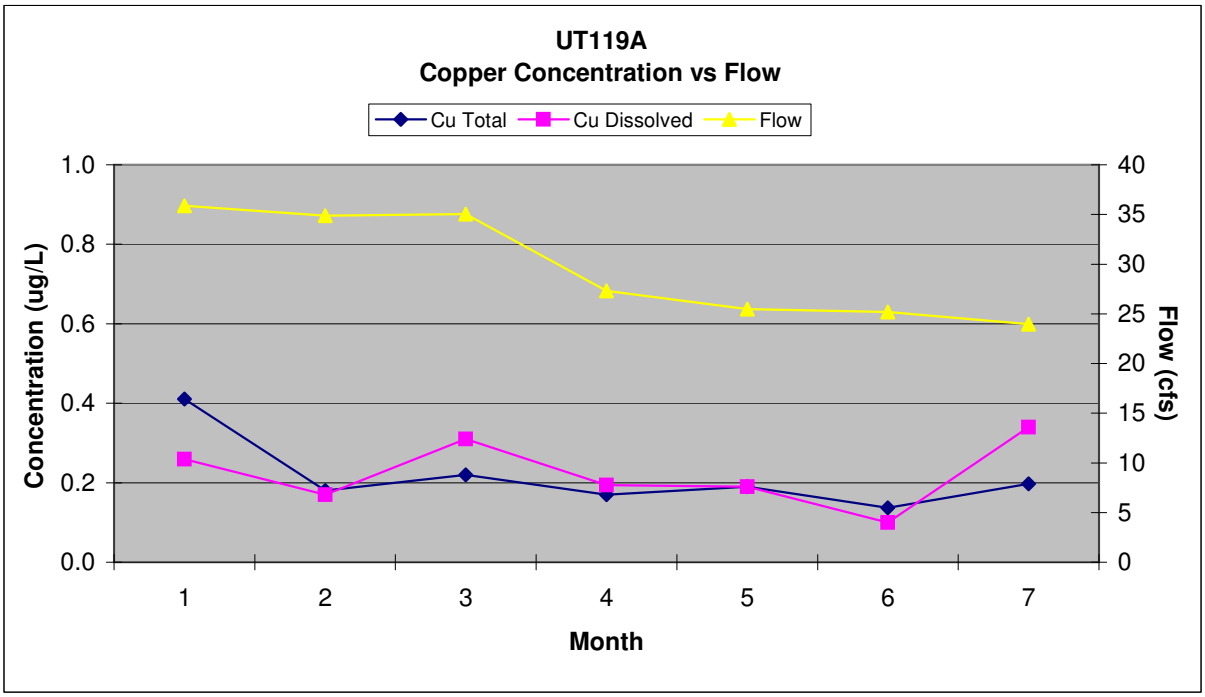


**Figure 6F-14**

| Copper Concentration vs Flow at UT119A | | | | | | |
|---|---|---|---|---|---|---|
| | COPPER | COPPER | | | Validation Flags | |
| MONTH | DISSOLVED | TOTAL | UNITS | FLOW (CFS) | Cu Dissolved | Cu Total |
| April | 0.26 | 0.41 | ug/L | 35.88 | | BQ |
| May | 0.17 | 0.18 | ug/L | 34.88 | BQ1,J | BQ1,J |
| June | 0.31 | 0.22 | ug/L | 35.04 | BQ1 | BQ1 |
| July | 0.19 | 0.17 | ug/L | 27.31 | BQ1, J | BQ1,J |
| August | 0.19 | 0.19 | ug/L | 25.49 | BQ1,J | BQ1,J |
| September | 0.10 | 0.14 | ug/L | 25.20 | BQ1,J | BQ1, J |
| October | 0.34 | 0.20 | ug/L | 23.95 | BQ1 | BQ1, J |

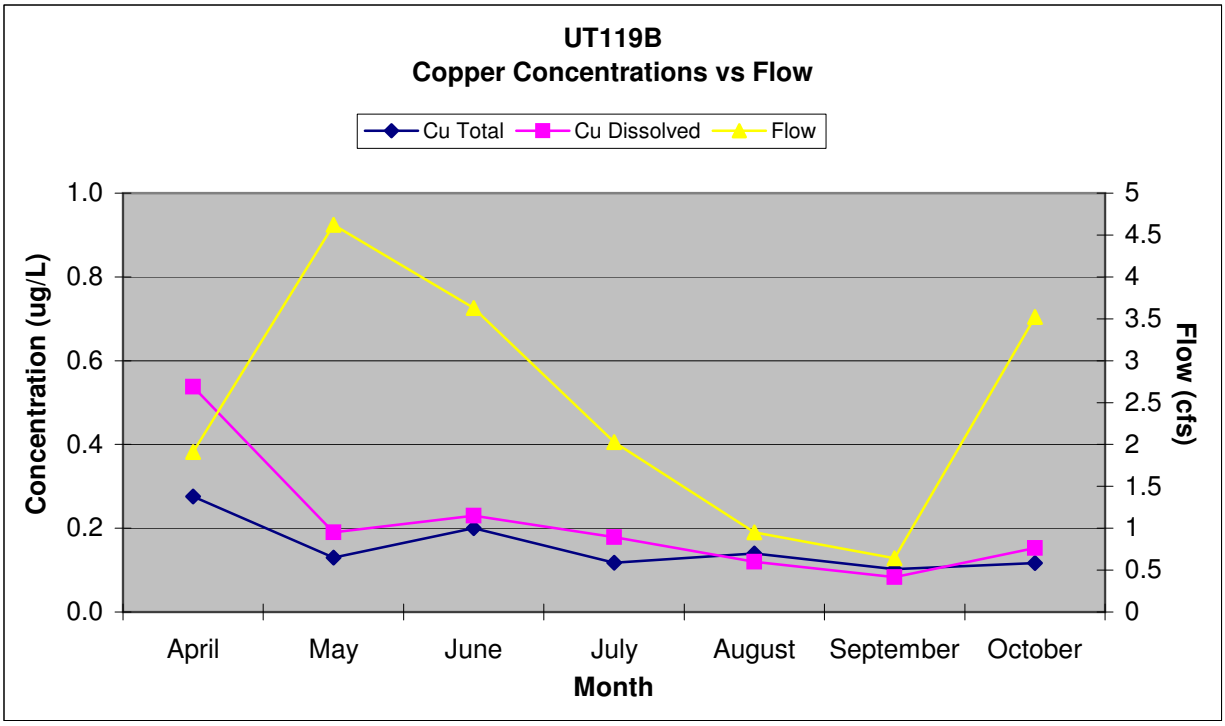
NOTE:
Validation Flags: BQ1 - The result is associated with blank contamination at a level less than or equal to five times the concentration in the blank for contaminants below the MRL (10 times for contaminants above the MRL). Result should be considered not detected at the concentration of the MRL for those results reported below the MRL or as biased high for those reported above the MRL. The MRL for copper is 0.2 ug/L.
J- The result is an estimated quantity.



## Figure 6F-15

| Copper Concentration vs Flow at UT119B | | | | | | |
|---|---|---|---|---|---|---|
| | COPPER | COPPER | | | Validation Flags | |
| MONTH | DISSOLVED | TOTAL | UNITS | FLOW (CFS) | Cu Dissolved | Cu Total |
| April | 0.54 | 0.28 | ug/L | 1.91 | J | J |
| May | 0.19 | 0.13 | ug/L | 4.62 | BQ1,J | BQ1,J |
| June | 0.23 | 0.20 | ug/L | 3.63 | BQ1 | BQ1,J |
| July | 0.18 | 0.12 | ug/L | 2.03 | BQ1, J | BQ1,J |
| August | 0.12 | 0.14 | ug/L | 0.95 | BQ1,J | BQ1,J |
| September | 0.08 | 0.10 | ug/L | 0.64 | BQ1,J | BQ1, J |
| October | 0.15 | 0.12 | ug/L | 3.52 | BQ1 | BQ1, J |

NOTE:
Validation Flags: BQ1 - The result is associated with blank contamination at a level less than or equal to five times the concentration in the blank for contaminants below the MRL (10 times for contaminants above the MRL). Result should be considered not detected at the concentration of the MRL for those results reported below the MRL or as biased high for those reported above the MRL. The MRL for copper is 0.2 ug/L.
J- The result is an estimated quantity.



# APPENDIX 6-G
# 2004 Surface-water Station Photo Album

CR198A-April-UPSTREAM

CR198A-April-DOWNSTREAM

KC100A-August-UPSTREAM

KR100A-April-UPSTREAM

KR100A- June-UPSTREAM

KR100A- August-UPSTREAM


NK100A – January 2005

NK100B-August-DOWNSTREAM

NK100B-August-UPSTREAM

NK100C-April-UPSTREAM

NK100C-April-DOWNSTREAM

NK100C-July-DOWNSTREAM

NK100C-July

NK100C-October-DOWNSTREAM

NK100C-October-UPSTREAM

NK119A-July-UPSTREAM

NK119B-July

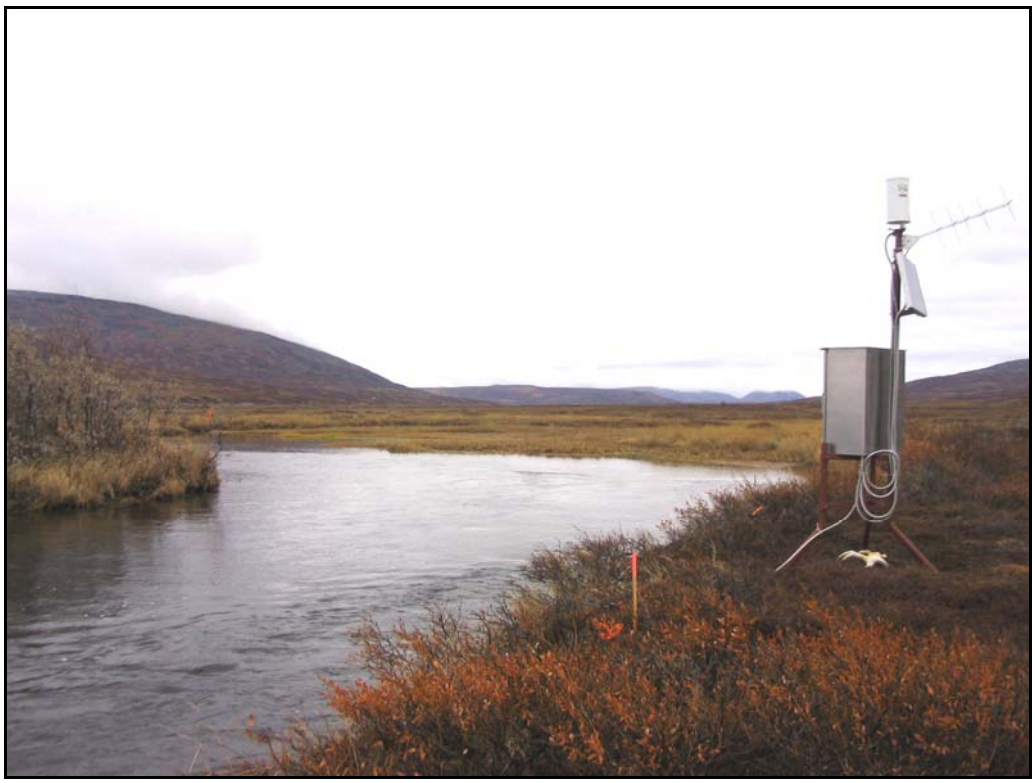
SK100A-April-UPSTREAM

SK100A-April-UPSTREAM

SK100A-July-DOWNSTREAM

SK100A-July-UPSTREAM

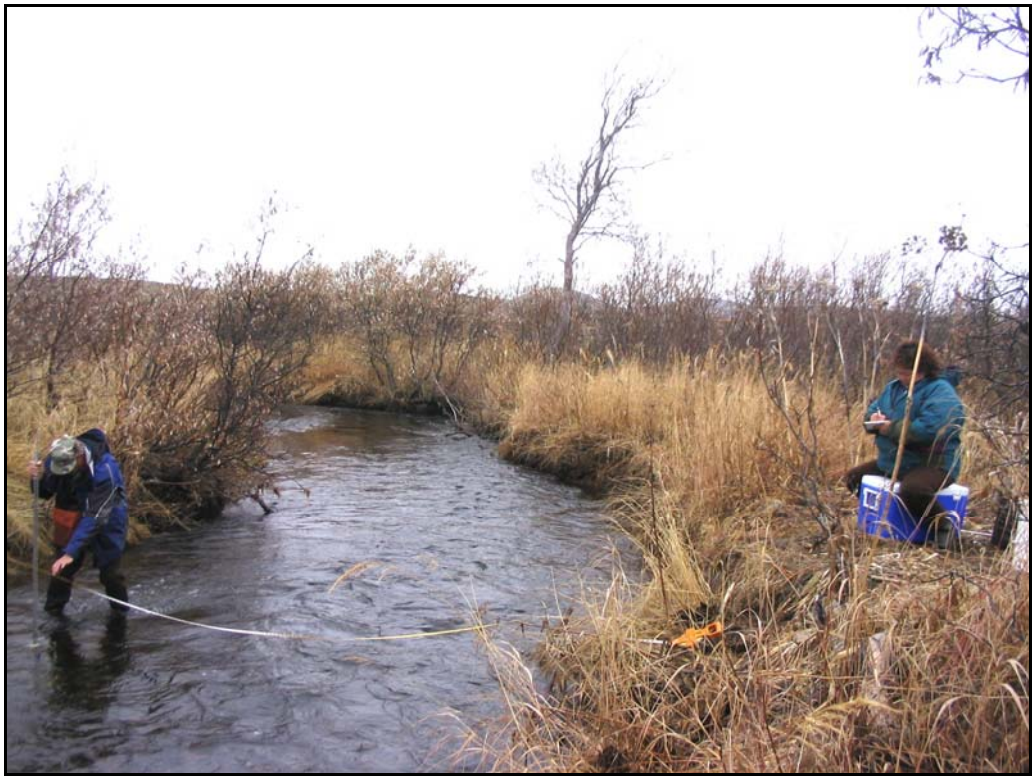
SK100B-April-UPSTREAM



SK100B-October-UPSTREAM

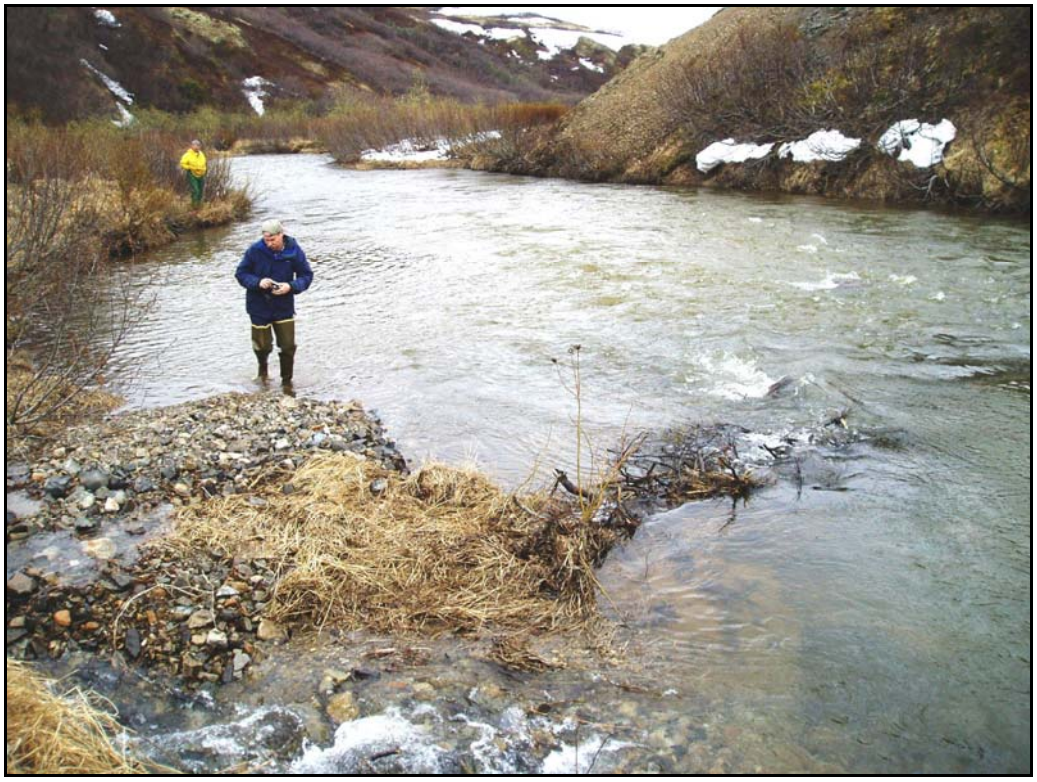
SK100C-July-UPSTREAM

SK100C-August-UPSTREAM



SK100D-October-DOWNSTREAM

SK100F-May-UPSTREAM



SK100F-May-DOWNSTREAM

SK100F-July-DOWNSTREAM

SK100F-July-UPSTREAM

SK100G-April-UPSTREAM

SK100G-July-UPSTREAM

SK119A-July-UPSTREAM

SK119A-July-DOWNSTREAM

SK119A-October-DOWNSTREAM

SK119A-October-UPSTREAM

SK131A-January 2005-DOWNSTREAM

SK131A-January 2005-UPSTREAM

SK134A-October-UPSTREAM

SK136A-January-2005-DOWNSTREAM

UT100A-April-DOWNSTREAM

UT100A-April-UPSTREAM

UT100B-April-UPSTREAM

UT100B-April-DOWNSTREAM

UT100B-May-UPSTREAM

UT100B-August-UPSTREAM

UT100D-April-UPSTREAM

UT100D-April-DOWNSTREAM

UT100D-July-DOWNSTREAM

UT100D-July-UPSTREAM

UT100E-May-DOWNSTREAM

UT100E-July-UPSTREAM

UT100E-July-DOWNSTREAM

UT100E-October-DOWNSTREAM

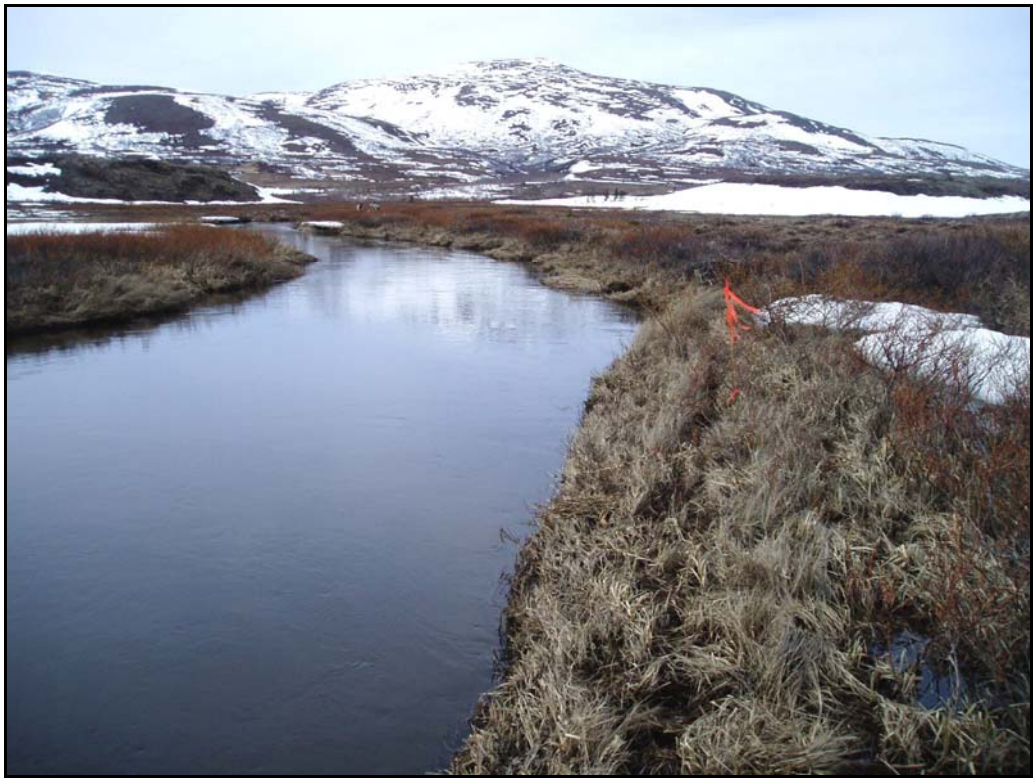
UT119A-July-UPSTREAM

UT119A-July-DOWNSTREAM

UT119B-January 2005-UPSTREAM

UT119B-January 2005-DOWNSTREAM

UT135A-May-UPSTREAM



UT135A-May-DOWNSTREAM

UT135B-May-DOWNSTREAM

UT135B-May-UPSTREAM

UT138A-May-DOWNSTREAM

UT138A-May-UPSTREAM

UT146-January 2005-DOWNSTREAM

UT146-January 2005-DOWNSTREAM

# APPENDIX 6-H
# 2004 Validated Analytical Results, Surface Water, Road/Port

**TABLE 6H-1**
**2004 Validated Analytical Results - Newhalen River (NHRIV)**

| Parameter | Method | Units | Date ADEC | 072204NHRIVSW001 NHRIV 7/22/2004 | | 072204NHRIVSW201 NHRIV 7/22/2004 Duplicate | | 072204NHRIVSW301 NHRIV 7/22/2004 Triplicate | | 082004NHRIVSW001 NHRIV 8/20/2004 | | 082004NHRIVSW201 NHRIV 8/20/2004 Duplicate | | 082004NHRIVSW301 NHRIV 8/20/2004 Triplicate | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals** | | | **Criteria[1,2]** | | | | | | | | | | | | |
| Aluminum | E200.8 | µg/L | 87 | 156 | | 22.2 | J, BQ | 149 | | 172 | | 173 | | 147 | |
| Antimony | E200.8 | µg/L | NE | ND (0.077) | | ND (0.077) | | 0.03 | J | 0.18 | J | 0.0886 | J | 0.07 | |
| Arsenic | E200.8 | µg/L | NE | 0.517 | | 0.422 | J | 0.5 | | 0.558 | | 0.516 | | 0.5 | |
| Barium | E200.8 | µg/L | NE | 10.4 | | 8.63 | J | 10.6 | | 10.9 | | 11.1 | | 10.9 | |
| Beryllium | E200.8 | µg/L | NE | ND (0.015) | | ND (0.015) | | ND (0.01) | | ND (0.03) | | ND (0.03) | | ND (0.02) | |
| Bismuth | E200.8 | µg/L | NE | ND (1.5) | | ND (1.5) | | ND (0.2) | | ND (5) | | ND (5) | | 0.013 | J |
| Boron | E200.7 | µg/L | NE | 4.6 | J | 3.4 | J | 3.41 | | 3.2 | J | ND (10) | | 3.66 | |
| Cadmium | E200.8 | µg/L | 0.1-0.76 | 0.0563 | J, BQ | 0.0481 | J, BQ | ND (0.02) | | ND (0.1) | | ND (0.1) | | ND (0.02) | |
| Calcium | E200.8 | µg/L | NE | 6960 | | 6900 | | 8370 | | 7220 | | 7400 | | 7830 | |
| Chromium[3,4] | E200.8 | µg/L | 28-270 | 0.22 | | 0.153 | J | 0.23 | BQ | 0.288 | BQ1 | 0.292 | BQ1 | 0.23 | BQ, BQ1 |
| Cobalt | E200.8 | µg/L | NE | 0.0656 | J | ND (0.031) | | 0.13 | | 0.071 | J | 0.0668 | J | 0.12 | |
| Copper [4] | E200.8 | µg/L | 2.9-30 | 1.56 | | 0.737 | J | 1.36 | | 2.05 | | 2.01 | | 2.07 | |
| Iron | E200.8 | µg/L | 1,000 | 118 | | 18.8 | J | 126 | | 118 | | 118 | | 112 | |
| Lead [4] | E200.8 | µg/L | 0.54-19 | 0.2 | J | ND (0.1) | | 0.11 | | 0.284 | | 0.253 | | 0.253 | |
| Magnesium | E200.8 | µg/L | NE | 1040 | | 1010 | | 1010 | | 982 | | 977 | | 918 | |
| Manganese | E200.8 | µg/L | NE | 4.4 | | 0.938 | J | 4.34 | | 3.83 | | 4 | | 3.64 | |
| Mercury | E1631 | µg/L | 0.77 | 0.0005 | J, BQ1 | 0.0003 | J, BQ | 0.0027 | J, BQ1 | 0.0005 | J, BQ1 | 0.0012 | BQ1 | ND (0.005) | |
| Molybdenum | E200.8 | µg/L | NE | 1.13 | | 1.17 | | 1.33 | | 1.31 | | 1.25 | | 1.3 | |
| Nickel [4] | E200.8 | µg/L | 16-170 | 0.309 | | 0.264 | | 0.79 | | 0.408 | | 0.307 | | 0.2 | |
| Potassium | E200.8 | µg/L | NE | 786 | | 748 | | 760 | J | 847 | | 843 | | 810 | J |
| Selenium [4] | E200.8 | µg/L | 5 | ND (0.31) | | ND (0.31) | | ND (0.2) | | ND (1) | | ND (1) | | ND (1) | |
| Silver | E200.8 | µg/L | NE | ND (0.0062) | | ND (0.0062) | | ND (0.01) | | ND (0.02) | | ND (0.02) | | ND (0.02) | |
| Sodium | E200.8 | µg/L | NE | 1410 | | 1370 | | 1460 | | 1310 | | 1320 | | 1250 | |
| Thallium | E200.8 | µg/L | NE | ND (0.025) | | ND (0.025) | | 0.004 | J | ND (0.05) | | ND (0.05) | | ND (0.02) | |
| Tin | E200.8 | µg/L | NE | ND (0.31) | | ND (0.31) | | ND (0.02) | | ND (1) | | ND (1) | | ND (0.1) | |
| Vanadium | E200.8 | µg/L | NE | 0.423 | | 0.309 | J | 0.6 | | 0.395 | J | 0.651 | | 0.56 | |
| Zinc [4] | E200.8 | µg/L | 37-390 | 2.54 | BQ | 1.02 | J, BQ | 2 | | 1.67 | J | 1.55 | | 1.3 | |
| **Dissolved Metals** | | | | | | | | | | | | | | | |
| Aluminum | E200.8 | µg/L | NE | 29.5 | BQ | 153 | J | 24.8 | | 25.8 | BQ | 42.4 | BQ | 24.7 | |
| Antimony | E200.8 | µg/L | NE | ND (0.077) | | ND (0.077) | | 0.04 | J | ND (0.2) | | ND (0.2) | | 0.05 | J |
| Arsenic | E200.8 | µg/L | 150 | 0.495 | J | 0.396 | J | 0.5 | J | 0.613 | | 0.464 | J | 0.4 | J |
| Barium | E200.8 | µg/L | NE | 9.7 | | 11.1 | J | 9.12 | | 9.39 | | 9.43 | | 9.01 | |
| Beryllium | E200.8 | µg/L | NE | ND (0.015) | | ND (0.015) | | ND (0.01) | | ND (0.03) | | ND (0.03) | | 0.007 | J |
| Bismuth | E200.8 | µg/L | NE | ND (1.5) | | ND (1.5) | | ND (0.2) | | ND (5) | | ND (5) | | ND (0.02) | |
| Boron | E200.7 | µg/L | NE | ND (3.1) | | ND (3.1) | | 3.29 | | ND (10) | | ND (10) | | 3.5 | |
| Cadmium | E200.8 | µg/L | 0.094-0.64 | ND (0.031) | | ND (0.031) | | ND (0.02) | | ND (0.1) | | ND (0.1) | | ND (0.02) | |
| Calcium | E200.8 | µg/L | NE | 6900 | | 7080 | | 8560 | | 7260 | | 7330 | | 7980 | |
| Chromium[3,4] | E200.8 | µg/L | 24-230 | ND (0.1) | | 0.134 | J | 0.18 | J, BQ | 0.214 | BQ1 | 0.239 | BQ1 | 0.17 | J, BQ, BQ1 |
| Cobalt | E200.8 | µg/L | NE | ND (0.031) | | 0.0598 | J | 0.07 | | ND (0.1) | | ND (0.1) | | 0.07 | |
| Copper [4] | E200.8 | µg/L | 2.7-29 | 1.14 | | 1.21 | J | 0.96 | | 0.873 | BQ1 | 0.875 | BQ1 | 0.84 | BQ1 |
| Iron | E200.8 | µg/L | NE | 18.6 | J | 117 | J | 22.6 | | 17.2 | J | 19.7 | J | 12.3 | J |
| Lead [4] | E200.8 | µg/L | 0.54-11 | 0.202 | | 0.118 | J | 0.05 | | ND (0.2) | | ND (0.2) | | 0.148 | BQ1 |
| Magnesium | E200.8 | µg/L | NE | 853 | | 865 | | 996 | | 964 | | 936 | | 910 | |
| Manganese | E200.8 | µg/L | NE | 0.927 | J | 3.81 | J | 0.99 | | 0.85 | J | 0.907 | J | 0.71 | |
| Molybdenum | E200.8 | µg/L | NE | 1.35 | | 1.28 | | 1.38 | | 1.29 | | 1.28 | | 1.29 | |
| Nickel [4] | E200.8 | µg/L | 16-170 | 0.452 | | 0.303 | | 0.66 | | 0.233 | BQ1 | 0.252 | BQ1 | ND (0.2) | |
| Potassium | E200.8 | µg/L | NE | 758 | | 784 | | 728 | J | 817 | | 830 | | 805 | J |
| Selenium [4] | E200.8 | µg/L | 4.6 | ND (0.31) | | ND (0.31) | | ND (0.2) | | ND (1) | | ND (1) | | ND (1) | |
| Silicon | E200.7 | µg/L | NE | 2630 | | 2990 | | 2380 | | 2580 | | 2550 | | 2260 | |
| Silver | E200.8 | µg/L | NE | ND (0.0062) | | ND (0.0062) | | ND (0.01) | | ND (0.02) | | ND (0.02) | | ND (0.02) | |
| Sodium | E200.8 | µg/L | NE | 1320 | | 1400 | | 1470 | | 1350 | | 1330 | | 1290 | |
| Thallium | E200.8 | µg/L | NE | ND (0.025) | | ND (0.025) | | ND (0.004) | | ND (0.05) | | ND (0.05) | | ND (0.02) | |

| Parameter | Method | Units | Date ADEC | 072204NHRIVSW001 NHRIV 7/22/2004 | | 072204NHRIVSW201 NHRIV 7/22/2004 Duplicate | | 072204NHRIVSW301 NHRIV 7/22/2004 Triplicate | | 082004NHRIVSW001 NHRIV 8/20/2004 | | 082004NHRIVSW201 NHRIV 8/20/2004 Duplicate | | 082004NHRIVSW301 NHRIV 8/20/2004 Triplicate | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Tin | E200.8 | µg/L | NE | ND (0.31) | | ND (0.31) | | ND (0.02) | | ND (1) | | ND (1) | | ND (0.1) | |
| Vanadium | E200.8 | µg/L | NE | ND (0.25) | | 0.464 | | 0.38 | | 0.279 | J | 0.285 | J | 0.33 | |
| Zinc [4] | E200.8 | µg/L | 36-380 | 2.06 | | 1.48 | J | 1 | | 2.36 | J, BQ1 | 2.08 | BQ1 | 2.2 | BQ1 |
| **Other Parameters** | | | | | | | | | | | | | | | |
| Acidity, Total | E305.2 | mg/L | NE | ND (3.14) | | ND (3.14) | | 2 | | ND (10) | | ND (10) | | 2 | |
| Alkalinity, Total | A2320B | mg/L | 20 | 20.5 | | 21 | | 24 | | 22 | | 22 | | 22 | |
| Chloride | E300.0 | mg/L | 230 | 0.809 | | 0.541 | | 0.5 | | 0.628 | | 0.53 | | | |
| Cyanide | A4500CN | mg/L | 5.2 | ND (0.0025) | | ND (0.0025) | | ND (0.003) | | ND (0.005) | | ND (0.005) | | ND (0.01) | |
| Cyanide, Weak Acid Dissociable | A4500CN | mg/L | NE | ND (0.0025) | | ND (0.0025) | | ND (0.006) | | ND (0.005) | | ND (0.005) | | ND (0.01) | |
| Fluoride | E300.0 | mg/L | NE | 0.078 | J | 0.063 | J | ND (0.06) | | 0.073 | J | 0.052 | J | ND (0.2) | |
| Hardness (total) | A2340B | mg/L | NE | 21.7 | | 21.4 | | 25.059 | | 22.1 | | 22.5 | | 23.3 | |
| Hardness (dissolved) | A2340B | mg/L | NE | 20.7 | | 21.2 | | 25.476 | | 22.1 | | 22.2 | | | |
| Nitrogen, Ammonia (as N) [5] | A4500NH | mg/L | 6.06 mg-N/L | ND (0.031) | | ND (0.031) | | 0.02 | | ND (0.1) | | ND (0.1) | | ND (0.05) | |
| Nitrogen, Nitrate-Nitrate | E300.0 | mg/L | NE | ND (0.31) | | ND (0.31) | | 0.3 | | 0.78 | J | 0.72 | J | 0.17 | J |
| pH | E150.1 | pH Units | 6.5-8.5 | 7.09 | | 7.2 | | 7.48 | | 6.88 | | 7.19 | | 7.42 | |
| Phosphorus, Total (as P) | E365.2 | mg/L | NE | ND (0.031) | | ND (0.031) | | 0.005 | J | ND (0.1) | | ND (0.1) | | 0.04 | |
| Specific Conductance | A2510B | µmhos/cm | NE | 60 | | 60 | | 56 | | 60 | | 60 | | 56 | |
| Sulfates | E300.0 | mg/L | NE | 6.4 | | 5.82 | | 5.2 | | 5.65 | | 5.5 | | 4.9 | |
| Thiocyanate | A4500M | mg/L | NE | ND (0.13) | | ND (0.13) | | 0.18 | | ND (1) | | ND (1) | | ND (0.1) | |
| Total Dissolved Solids | A2540C | mg/L | 1,000 | 33.8 | BQ | 40 | BQ | 42 | | 28.8 | | 25 | | 29 | |
| Total Suspended Solids | EPA 160.2 | mg/L | NE | 2.7 | | 1.3 | | ND (5) | | 2 | | 1.9 | | ND (50 | |
| **Field Measurements** | | | | | | | | | | | | | | | |
| Conductivity | Field | mS/cm | NE | 0.047 | | 0.047 | | 0.047 | | 0.051 | | 0.051 | | 0.051 | |
| Dissolved Oxygen | Field | mg/L | 7-17 | 10.9 | | 10.90 | | 10.9 | | 10.20 | | 10.20 | | 10.20 | |
| pH | Field | pH units | 6.5-8.5 | 6.8 | | 6.8 | | 6.8 | | 7.8 | | 7.8 | | 7.8 | |
| Turbidity [6] | Field | NTU | 25 | 26 | | 26 | | 26 | | 7 | | 7 | | 7 | |
| Temperature | Field | °C | 13-20 | 16.2 | | 16.2 | | 16.2 | | 14.3 | | 14.3 | | 14.3 | |

Concentrations that exceed the ADEC criteria are highlighted.

See Appendix 6H-17 for explanation of data validation flags.

1 Alaska Administrative Code 18 Chapter 70 (18 AAC 70) Water Quality Standards (fresh water use for growth and propagation of fish, shellfish, other aquatic life, and wildlife).

2 Alaska Water Quality Criteria Manual for Toxic and Other Deleterious Organic and Inorganic Substances (aquatic life fresh water chronic).

3 Chromium III

4 Criteria are in the dissolved form. Total recoverable criteria shown in the Water Quality Manual are for calculation purposes only.

5 Ammonia varies based on pH and temperature. For pH of 6.5 and temperature of 16, ammonia criteria is 6.06 mg-N/L.

6 Criteria is 25 NTUs above natural conditions.

**TABLE 6H-1**
**2004 Validated Analytical Results - Newhalen River (NHRIV)**

| Parameter | Method | Units | Date ADEC | 092004NHRIVSW001 NHRIV 9/20/2004 | | 092004NHRIVSW201 NHRIV 9/20/2004 Duplicate | | 092004NHRIVSW301 NHRIV 9/20/2004 Triplicate | | 101804NHRIVSW001 NHRIV 10/18/2004 | | 101804NHRIVSW201 NHRIV 10/18/2004 Duplicate | | 101804NHRIVSW301 NHRIV 10/18/2004 Triplicate | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals** | | | Criteria[1,2] | | | | | | | | | | | | |
| Aluminum | E200.8 | µg/L | 87 | 112 | | 110 | | 134 | | 94.8 | | 99.5 | | 119 | |
| Antimony | E200.8 | µg/L | NE | ND (0.2) | | ND (0.2) | | 0.05 | J | ND (0.2) | | 0.105 | | 0.05 | J |
| Arsenic | E200.8 | µg/L | NE | 0.665 | | 0.468 | J | 0.5 | J | ND (0.5) | | 0.472 | | 0.5 | |
| Barium | E200.8 | µg/L | NE | 11.1 | | 11 | | 9.97 | | 8.92 | | 9.34 | | 10.2 | |
| Beryllium | E200.8 | µg/L | NE | ND (0.03) | | ND (0.03) | | ND (0.02) | | ND (0.03) | | ND (0.03) | | ND (0.02) | |
| Bismuth | E200.8 | µg/L | NE | ND (5) | | ND (5) | | ND (0.02) | | ND (5) | | ND (5) | | ND (0.02) | J |
| Boron | E200.7 | µg/L | NE | 4.1 | J | 5.4 | J | 3.03 | | ND (10) | | ND (10) | | 2.96 | J |
| Cadmium | E200.8 | µg/L | 0.1-0.76 | ND (0.1) | | ND (0.1) | | ND (0.02) | | ND (0.1) | | ND (0.1) | | ND (0.02) | |
| Calcium | E200.8 | µg/L | NE | 7880 | | 7720 | | 8380 | | 6160 | | 6250 | | 7720 | |
| Chromium[3,4] | E200.8 | µg/L | 28-270 | 0.211 | | 0.302 | BQ | 0.16 | J | 0.19 | | 0.145 | | 0.08 | |
| Cobalt | E200.8 | µg/L | NE | 0.0575 | J | 0.054 | J | 0.09 | | 0.0434 | | 0.0462 | | 0.09 | |
| Copper [4] | E200.8 | µg/L | 2.9-30 | 1.14 | | 1.04 | | 1.1 | | 0.865 | | 0.875 | | 0.91 | |
| Iron | E200.8 | µg/L | 1,000 | 82.5 | | 82.1 | | 84.8 | | 66 | | 71.9 | | 77.7 | |
| Lead [4] | E200.8 | µg/L | 0.54-19 | 0.136 | J, BQ1 | 0.176 | J, BQ1 | 0.14 | BQ1 | ND (0.2) | | ND (0.2) | | 0.057 | J |
| Magnesium | E200.8 | µg/L | NE | 1020 | | 1010 | | 963 | | 885 | | 895 | | 892 | |
| Manganese | E200.8 | µg/L | NE | 3.06 | | 2.96 | | 3.05 | | 2.75 | | 2.87 | | 2.92 | |
| Mercury | E1631 | µg/L | 0.77 | 0.0006 | BQ1 | 0.0008 | BQ1 | 0.00044 | J | 0.0016 | BQ1 | 0.0004 | BQ1 | ND (0.005) | |
| Molybdenum | E200.8 | µg/L | NE | 1.32 | | 1.3 | | 1.29 | | 1.15 | | 1.2 | | 1.28 | |
| Nickel [4] | E200.8 | µg/L | 16-170 | 0.315 | BQ1 | 0.332 | BQ1 | 0.53 | BQ1 | 0.218 | | 0.245 | | 0.5 | |
| Potassium | E200.8 | µg/L | NE | 863 | BQ1 | 846 | BQ1 | 796 | J, BQ1 | 660 | | 676 | | 743 | |
| Selenium [4] | E200.8 | µg/L | 5 | ND (1) | | ND (1) | | ND (1) | | ND (1) | | ND (1) | | 0.2 | |
| Silver | E200.8 | µg/L | NE | ND (0.02) | | ND (0.02) | | ND (0.02) | | ND (0.02) | | ND (0.02) | | ND (0.02) | J |
| Sodium | E200.8 | µg/L | NE | 1350 | BQ1 | 1330 | BQ1 | 1280 | BQ1 | 1330 | | 1340 | | 1450 | |
| Thallium | E200.8 | µg/L | NE | ND (0.05) | | ND (0.05) | | ND (0.02) | | ND (0.05) | | ND (0.05) | | 0.011 | BQ |
| Tin | E200.8 | µg/L | NE | ND (1) | | ND (1) | | ND (0.1) | | ND (1) | | ND (1) | | ND (0.1) | |
| Vanadium | E200.8 | µg/L | NE | 0.28 | J, BQ1 | 0.348 | J, BQ1 | 0.5 | BQ1 | ND (0.4) | | 0.331 | | 0.58 | |
| Zinc [4] | E200.8 | µg/L | 37-390 | 0.97 | J, BQ1 | 1.39 | J, BQ1 | 0.89 | BQ1 | 0.759 | | 0.58 | | 0.7 | |
| **Dissolved Metals** | | | | | | | | | | | | | | | |
| Aluminum | E200.8 | µg/L | NE | 32.2 | BQ | 33 | J, BQ | 25.2 | | 27.2 | | 24.2 | | 19.8 | |
| Antimony | E200.8 | µg/L | NE | ND (0.2) | | ND (0.2) | | 0.06 | | ND (0.2) | | ND (0.2) | | 0.12 | J |
| Arsenic | E200.8 | µg/L | 150 | 0.493 | J | 0.412 | J | 0.4 | J | ND (0.5) | | 0.412 | | 0.4 | |
| Barium | E200.8 | µg/L | NE | 9.83 | | 9.96 | | 8.91 | | 8.24 | | 8 | | 8.84 | |
| Beryllium | E200.8 | µg/L | NE | ND (0.03) | | ND (0.03) | | ND (0.02) | | ND (0.03) | | ND (0.03) | | ND (0.02) | |
| Bismuth | E200.8 | µg/L | NE | ND (5) | | ND (5) | | ND (0.02) | | ND (5) | | ND (5) | | 0.077 | J |
| Boron | E200.7 | µg/L | NE | ND (10) | | 3.1 | J | 3.04 | | ND (10) | | ND (10) | | 3.88 | J |
| Cadmium | E200.8 | µg/L | 0.094-0.64 | ND (0.1) | | ND (0.1) | | ND (0.02) | | ND (0.1) | | ND (0.1) | | ND (0.02) | |
| Calcium | E200.8 | µg/L | NE | 7900 | | 7920 | | 8350 | | 6090 | | 6030 | | 7850 | |
| Chromium[3,4] | E200.8 | µg/L | 24-230 | 0.22 | | 0.206 | | 0.1 | J, BQ | 0.141 | | 0.129 | | 0.04 | |
| Cobalt | E200.8 | µg/L | NE | ND (0.1) | | ND (0.1) | | 0.06 | | ND (0.1) | | ND (0.1) | | 0.06 | |
| Copper [4] | E200.8 | µg/L | 2.7-29 | 0.701 | BQ1 | 0.725 | BQ1 | 0.69 | BQ1 | 0.611 | | 0.601 | | 0.61 | |
| Iron | E200.8 | µg/L | NE | 11.9 | J, BQ1 | 12.4 | J, BQ1 | 10.9 | J, BQ1 | 13.6 | | 11 | | 13.7 | |
| Lead [4] | E200.8 | µg/L | 0.54-11 | ND (0.2) | | 0.103 | J, BQ1 | 0.04 | BQ1 | 0.191 | | 0.11 | | 0.088 | J |
| Magnesium | E200.8 | µg/L | NE | 992 | | 1010 | | 930 | | 871 | | 855 | | 906 | |
| Manganese | E200.8 | µg/L | NE | 0.904 | J | 0.918 | J | 0.88 | | 0.946 | | 0.892 | | 0.92 | |
| Molybdenum | E200.8 | µg/L | NE | 1.37 | | 1.4 | | 1.34 | | 1.22 | | 1.2 | | 1.39 | |
| Nickel [4] | E200.8 | µg/L | 16-170 | 0.288 | BQ1 | 0.372 | BQ1 | 0.55 | BQ1 | 0.324 | | 0.293 | | 0.5 | |
| Potassium | E200.8 | µg/L | NE | 855 | BQ1 | 867 | BQ1 | 765 | J, BQ1 | 662 | | 646 | | 718 | |
| Selenium [4] | E200.8 | µg/L | 4.6 | ND (1) | | ND (1) | | ND (1) | | ND (1) | | ND (1) | | 0.2 | |
| Silicon | E200.7 | µg/L | NE | 2440 | | 2450 | | 2190 | | 2380 | | 2420 | | 2600 | |
| Silver | E200.8 | µg/L | NE | ND (0.02) | | ND (0.02) | | ND (0.02) | | ND (0.02) | | ND (0.02) | | 0.034 | J |
| Sodium | E200.8 | µg/L | NE | 1320 | BQ1 | 1380 | BQ1 | 1270 | BQ1 | 1340 | | 1320 | | 1430 | |
| Thallium | E200.8 | µg/L | NE | ND (0.05) | | ND (0.05) | | ND (0.02) | | ND (0.05) | | ND (0.05) | | 0.013 | BQ |

| Parameter | Method | Units | Date ADEC | 092004NHRIVSW001 NHRIV 9/20/2004 | | 092004NHRIVSW201 NHRIV 9/20/2004 Duplicate | | 092004NHRIVSW301 NHRIV 9/20/2004 Triplicate | | 101804NHRIVSW001 NHRIV 10/18/2004 | | 101804NHRIVSW201 NHRIV 10/18/2004 Duplicate | | 101804NHRIVSW301 NHRIV 10/18/2004 Triplicate | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Tin | E200.8 | µg/L | NE | ND (1) | | ND (1) | | 0.03 | J | ND (1) | | ND (1) | | ND (0.1) | |
| Vanadium | E200.8 | µg/L | NE | ND (0.4) | | ND (0.4) | | 0.4 | BQ1 | ND (0.4) | | ND (0.4) | | 0.31 | |
| Zinc [4] | E200.8 | µg/L | 36-380 | 0.793 | J, BQ1 | 1.07 | J, BQ1 | 0.84 | BQ1 | 1.18 | | 1.19 | | 0.7 | |
| **Other Parameters** | | | | | | | | | | | | | | | |
| Acidity, Total | E305.2 | mg/L | NE | ND (10) | | ND (10) | | 2 | | ND (10) | | ND (10) | | 3 | |
| Alkalinity, Total | A2320B | mg/L | 20 | 21.8 | | 21.5 | | 21 | | 20.5 | | 22.5 | | 21 | |
| Chloride | E300.0 | mg/L | 230 | 0.609 | | 0.62 | | 0.6 | | 0.566 | | 0.648 | | 0.5 | |
| Cyanide | A4500CN | mg/L | 5.2 | 0.0035 | J, BQ | 0.0038 | J, BQ | ND (0.01) | | 0.0066 | BQ | 0.0061 | BQ | ND (0.01) | |
| Cyanide, Weak Acid Dissociable | A4500CN | mg/L | NE | ND (0.005) | | ND (0.005) | | ND (0.01) | | 0.0026 | BQ | 0.0028 | BQ | ND (0.01) | |
| Fluoride | E300.0 | mg/L | NE | 0.036 | J | 0.048 | J | ND (0.2) | | 0.074 | | ND (0.1) | J- | ND (0.2) | |
| Hardness (total) | A2340B | mg/L | NE | 23.9 | | 23.4 | | 24.9 | | 19 | | 19.3 | | 22.9 | |
| Hardness (dissolved) | A2340B | mg/L | NE | 23.8 | | 23.9 | | | | | | | | | |
| Nitrogen, Ammonia (as N) [5] | A4500NH | mg/L | 6.06 mg-N/L | 0.057 | J, BQ | ND (0.1) | | ND (0.05) | | ND (0.1) | | ND (0.1) | | 0.03 | |
| Nitrogen, Nitrate-Nitrate | E300.0 | mg/L | NE | 1.25 | J- | ND (1) | | 0.6 | | ND (1) | | 0.65 | | ND (0.2) | |
| pH | E150.1 | pH Units | 6.5-8.5 | 7 | | 6.73 | | 7.56 | | 6.79 | | 6.99 | | 7.57 | |
| Phosphorus, Total (as P) | E365.2 | mg/L | NE | ND (0.1) | | ND (0.1) | | 0.02 | | ND (0.1) | | ND (0.1) | | 0.02 | |
| Specific Conductance | A2510B | µmhos/cm | NE | 60 | | 65 | | 59 | | 60 | | 60 | | 4 | |
| Sulfates | E300.0 | mg/L | NE | 5.9 | | 5.66 | | 4.8 | | 5.28 | | 5.53 | | 4.8 | |
| Thiocyanate | A4500M | mg/L | NE | 0.29 | | 0.63 | | ND (0.1) | | 0.14 | | 0.15 | | NA | |
| Total Dissolved Solids | A2540C | mg/L | 1,000 | 28.8 | | 48.8 | | 52 | | 33.8 | BQ | 25 | | 41 | |
| Total Suspended Solids | EPA 160.2 | mg/L | NE | 1.3 | | 1.4 | | ND (5) | | 0.8 | | 0.9 | | ND (5) | |
| **Field Measurements** | | | | | | | | | | | | | | | |
| Conductivity | Field | mS/cm | NE | NR | | NR | | NR | | 0.85 | | 0.85 | | 0.85 | |
| Dissolved Oxygen | Field | mg/L | 7-17 | NR | | NR | | NR | | 12.29 | | 12.29 | | 12.29 | |
| pH | Field | pH units | 6.5-8.5 | NR | | NR | | NR | | 6.62 | | 6.62 | | 6.62 | |
| Turbidity [6] | Field | NTU | 25 | NR | | NR | | NR | | 1 | | 1 | | 1 | |
| Temperature | Field | °C | 13-20 | NR | | NR | | NR | | 6.3 | | 6.3 | | 6.3 | |

Concentrations that exceed the ADEC criteria are highlighted.

See Appendix 6H-17 for explanation of data validation flags.

°C = degrees Celsius

ADEC = Alaska Department of Environmental Conservation

mg/L = milligrams per liter

mS/cm = milliSiemens per centimeter

µg/L = micrograms per liter

µmhos/cm = micromhos per centimeter

NA = not available

ND = not detected

NE = not established

NTU = nephelometric turbidity units

**TABLE 6H-2**
**2004 Validated Analytical Results - Unnamed Creek (GS-21) Y Valley**

| Parameter | Method | Units | ADEC Criteria[1,2] | 081804GS21SW001 GS21 8/18/2004 | | 092604GS21SW001 GS21 9/26/2004 | | 101504GS21SW001 GS21 10/15/2004 | |
|---|---|---|---|---|---|---|---|---|---|
| **Total Metals** | | | | | | | | | |
| Aluminum | E200.8 | µg/L | 87 | 79.5 | | 89.6 | | 90.6 | |
| Antimony | E200.8 | µg/L | NE | 0.0901 | J | ND (0.2) | | 0.09 | |
| Arsenic | E200.8 | µg/L | NE | ND (0.5) | | ND (0.5) | | ND (0.5) | |
| Barium | E200.8 | µg/L | NE | 3.01 | | 3.29 | | 2.89 | |
| Beryllium | E200.8 | µg/L | NE | ND (0.03) | | ND (0.03) | | ND (0.03) | |
| Bismuth | E200.8 | µg/L | NE | ND (5) | | ND (5) | | ND (5) | |
| Boron | E200.7 | µg/L | NE | 22.4 | | 21.8 | | 14.8 | |
| Cadmium | E200.8 | µg/L | 0.1-0.76 | ND (0.1) | | ND (0.1) | | ND (0.1) | |
| Calcium | E200.8 | µg/L | NE | 7310 | | 7580 | | 7060 | |
| Chromium[3,4] | E200.8 | µg/L | 28-270 | 0.211 | BQ1 | 0.215 | BQ | ND (0.2) | |
| Cobalt | E200.8 | µg/L | NE | 0.114 | | 0.121 | | 0.0943 | |
| Copper [4] | E200.8 | µg/L | 2.9-30 | 0.774 | | 2.03 | | 4.45 | |
| Iron | E200.8 | µg/L | 1,000 | 111 | | 132 | | 68.4 | |
| Lead [4] | E200.8 | µg/L | 0.54-19 | ND (0.2) | | 0.562 | | 0.61 | |
| Magnesium | E200.8 | µg/L | NE | 427 | | 436 | | 407 | |
| Manganese | E200.8 | µg/L | NE | 9.26 | | 11.6 | | 4.49 | |
| Mercury | E1631 | µg/L | 0.77 | 0.001 | BQ1 | 0.0006 | J | 0.001 | BQ1 |
| Molybdenum | E200.8 | µg/L | NE | 0.636 | J | 0.544 | J | 0.585 | |
| Nickel [4] | E200.8 | µg/L | 16-170 | 0.271 | | 0.338 | BQ1 | 0.312 | |
| Potassium | E200.8 | µg/L | NE | 320 | | 305 | BQ1 | 278 | |
| Selenium [4] | E200.8 | µg/L | 5 | ND (1) | | ND (1) | | ND (1) | |
| Silver | E200.8 | µg/L | NE | ND (0.02) | | ND (0.02) | | ND (0.02) | |
| Sodium | E200.8 | µg/L | NE | 1560 | | 1590 | | 1780 | |
| Thallium | E200.8 | µg/L | NE | ND (0.05) | | ND (0.05) | | ND (0.05) | |
| Tin | E200.8 | µg/L | NE | ND (1) | | ND (1) | | ND (1) | |
| Vanadium | E200.8 | µg/L | NE | 0.683 | | 0.513 | BQ1 | 0.439 | |
| Zinc [4] | E200.8 | µg/L | 37-390 | 1.3 | J, J, BQ | 15.9 | BQ1 | 8.28 | |
| **Dissolved Metals** | | | | | | | | | |
| Aluminum | E200.8 | µg/L | NE | 19.8 | J | 16.4 | J | 16.6 | |
| Antimony | E200.8 | µg/L | NE | ND (0.2) | | ND (0.2) | | ND (0.2) | |
| Arsenic | E200.8 | µg/L | 150 | ND (0.5) | | ND (0.5) | | ND (0.5) | |
| Barium | E200.8 | µg/L | NE | 3.09 | | 3.1 | | 2.55 | |
| Beryllium | E200.8 | µg/L | NE | ND (0.03) | | ND (0.03) | | ND (0.03) | |
| Bismuth | E200.8 | µg/L | NE | ND (5) | | ND (5) | | ND (5) | |
| Boron | E200.7 | µg/L | NE | 21.8 | | 19.7 | | 15 | |
| Cadmium | E200.8 | µg/L | 0.094-0.64 | ND (0.1) | | ND (0.1) | | ND (0.1) | |
| Calcium | E200.8 | µg/L | NE | 7500 | | 7750 | | 6820 | |
| Chromium[3,4] | E200.8 | µg/L | 24-230 | 0.26 | BQ1 | 0.169 | J, BQ | ND (0.2) | |
| Cobalt | E200.8 | µg/L | NE | 0.0975 | J | 0.0947 | J | 0.0634 | |
| Copper [4] | E200.8 | µg/L | 2.7-29 | 0.716 | BQ1 | 1.7 | | 1.56 | |
| Iron | E200.8 | µg/L | NE | 54.5 | | 65.9 | | 16.1 | |
| Lead [4] | E200.8 | µg/L | 0.54-11 | 0.154 | J, BQ1 | 0.4 | BQ1 | 0.432 | |
| Magnesium | E200.8 | µg/L | NE | 440 | | 430 | | 379 | |
| Manganese | E200.8 | µg/L | NE | 8.79 | | 10.8 | | 3.3 | |
| Molybdenum | E200.8 | µg/L | NE | 0.536 | J | 0.547 | J | 0.569 | |
| Nickel [4] | E200.8 | µg/L | 16-170 | 0.461 | | 0.336 | BQ1 | 0.282 | |
| Potassium | E200.8 | µg/L | NE | 350 | | 320 | BQ1 | 271 | |

| Parameter | Method | Units | ADEC Criteria[1,2] | 081804GS21SW001 GS21 8/18/2004 | | 092604GS21SW001 GS21 9/26/2004 | | 101504GS21SW001 GS21 10/15/2004 | |
|---|---|---|---|---|---|---|---|---|---|
| Selenium [4] | E200.8 | µg/L | 4.6 | ND (1) | | ND (1) | | ND (1) | |
| Silicon | E200.7 | µg/L | NE | 2920 | | 2730 | | 2690 | |
| Silver | E200.8 | µg/L | NE | ND (0.02) | | ND (0.02) | | ND (0.02) | |
| Sodium | E200.8 | µg/L | NE | 1710 | | 1770 | | 1710 | |
| Thallium | E200.8 | µg/L | NE | ND (0.05) | | ND (0.05) | | ND (0.05) | |
| Tin | E200.8 | µg/L | NE | ND (1) | | ND (1) | | ND (1) | |
| Vanadium | E200.8 | µg/L | NE | 0.431 | | 0.46 | BQ1 | 0.266 | |
| Zinc [4] | E200.8 | µg/L | 36-380 | 3.3 | J, BQ, BQ1 | 18.7 | BQ1 | 6.56 | |
| **Other Parameters** | | | | | | | | | |
| Acidity, Total | E305.2 | mg/L | NE | ND (10) | | 3.5 | J | ND (10) | |
| Alkalinity, Total | A2320B | mg/L | 20 | 17 | | 5.25 | J | 16 | |
| Chloride | E300.0 | mg/L | 230 | 1.35 | | 1.51 | | 1.59 | |
| Cyanide | A4500CN | mg/L | 5.2 | 0.0077 | | ND (0.005) | | 0.004 | BQ |
| Cyanide, Weak Acid Dissociable | A4500CN | mg/L | NE | ND (0.005) | | ND (0.005) | | 0.0026 | BQ |
| Fluoride | E300.0 | mg/L | NE | ND (0.1) | | ND (0.1) | | ND (0.1) | |
| Hardness (total) | A2340B | mg/L | NE | 20 | | 20.7 | | 19.3 | |
| Hardness (dissolved) | A2340B | mg/L | NE | 20.5 | | 21.1 | | | |
| Nitrogen, Ammonia (as N) [5] | A4500NH | mg/L | 6.06 mg-N/L | ND (0.1) | | 0.065 | J, BQ | 0.054 | |
| Nitrogen, Nitrate-Nitrate | E300.0 | mg/L | NE | ND (1) | | 4.56 | | 1.44 | |
| pH | E150.1 | pH Units | 6.5-8.5 | 7.47 | | 6.08 | | 6.53 | |
| Phosphorus, Total (as P) | E365.2 | mg/L | NE | 0.0326 | J | ND (0.1) | | 0.08 | |
| Specific Conductance | A2510B | µmhos/cm | NE | 60 | | 65 | | 65 | |
| Sulfates | E300.0 | mg/L | NE | 3.73 | R | 9.09 | | 3.99 | |
| Thiocyanate | A4500M | mg/L | NE | ND (1) | | 0.24 | | ND (1) | |
| Total Dissolved Solids | A2540C | mg/L | 1,000 | 51.3 | | 58.8 | | 31.3 | BQ |
| Total Suspended Solids | EPA 160.2 | mg/L | NE | 0.8 | | 1.5 | | 1.37 | |
| **Field Measurements** | | | | | | | | | |
| Conductivity | Field | mS/cm | NE | 0.049 | | 0.076 | | 0.123 | |
| Dissolved Oxygen | Field | mg/L | 7-17 | 14.7 | | 12.95 | | 13.67 | |
| pH | Field | pH units | 6.5-8.5 | 6.4 | | 5.48 | | 6.4 | |
| Turbidity [6] | Field | NTU | 25 | 277 | | 0 | | 1 | |
| Temperature | Field | °C | 13-20 | 14.6 | | 7.6 | | 5.8 | |

Concentrations that exceed the ADEC criteria are highlighted.

Results that were not in the Pebble database and were pulled from hard copy deliverables are shaded. These results have not gone through data review.

See Appendix 6H-17 for explanation of data validation flags.

1 Alaska Administrative Code 18 Chapter 70 (18 AAC 70) Water Quality Standards (fresh water use for growth and propagation of fish, shellfish, other aquatic life, and wildlife).

2 Alaska Water Quality Criteria Manual for Toxic and Other Deleterious Organic and Inorganic Substances (aquatic life fresh water chronic).

3 Chromium III

4 Criteria are in the dissolved form. Total recoverable criteria shown in the Water Quality Manual are for calculation purposes only.

5 Ammonia varies based on pH and temperature. For pH of 6.5 and temperature of 16, ammonia criteria is 6.06 mg-N/L.

6 Criteria is 25 NTUs above natural conditions.

°C = degrees Celsius

ADEC = Alaska Department of Environmental Conservation

mg/L = milligrams per liter

µg/L = micrograms per liter

µmhos/cm = micromhos per centimeter

mS/cm = milliSiemens per centimeter

ND = not detected

NA = not available

NE = not established

NTU = nephelometric turbidity units

**TABLE 6H-3**
**2004 Validated Analytical Results - Lower Roadhouse Creek (GS-20)**

| Parameter | Method | Units | Date ADEC Criteria[1,2] | 072204GS20SW001 GS20 7/22/2004 | | 072204GS20SW201 GS20 7/22/2004 Duplicate | | 072204GS20SW301 GS20 7/22/2004 Triplicate | |
|---|---|---|---|---|---|---|---|---|---|
| **Total Metals** | | | | | | | | | |
| Aluminum | E200.8 | µg/L | 87 | 50.1 | BQ | 53.3 | | 123 | |
| Antimony | E200.8 | µg/L | NE | 0.611 | | ND (0.077) | J | 0.02 | J |
| Arsenic | E200.8 | µg/L | NE | 1.48 | | 1.44 | | 1.6 | |
| Barium | E200.8 | µg/L | NE | 2.06 | | 1.95 | | 1.87 | |
| Beryllium | E200.8 | µg/L | NE | ND (0.015) | | ND (0.015) | | ND (0.01) | |
| Bismuth | E200.8 | µg/L | NE | ND (1.5) | | ND (1.5) | | ND (0.2) | |
| Boron | E200.7 | µg/L | NE | ND (3.1) | | ND (3.1) | | 2.37 | |
| Cadmium | E200.8 | µg/L | 0.1-0.76 | ND (0.031) | | 0.0524 | J, BQ | ND (0.02) | |
| Calcium | E200.8 | µg/L | NE | 7350 | | 7100 | | 8840 | |
| Chromium[3,4] | E200.8 | µg/L | 28-270 | ND (0.1) | BQ | 0.745 | | 0.35 | BQ |
| Cobalt | E200.8 | µg/L | NE | 0.0715 | J | 0.0708 | J | 0.13 | |
| Copper [4] | E200.8 | µg/L | 2.9-30 | 0.462 | J | 0.964 | | 2.63 | |
| Iron | E200.8 | µg/L | 1,000 | 415 | | 421 | | 454 | |
| Lead [4] | E200.8 | µg/L | 0.54-19 | 0.134 | J | 0.132 | J | 0.13 | |
| Magnesium | E200.8 | µg/L | NE | 944 | | 1030 | | 1080 | |
| Manganese | E200.8 | µg/L | NE | 27.3 | | 30.8 | | 33.9 | |
| Mercury | E1631 | µg/L | 0.77 | 0.0009 | J, BQ1 | 0.001 | | 1.6 | J, BQ1 |
| Molybdenum | E200.8 | µg/L | NE | 0.57 J | | 0.536 | J | 0.51 | |
| Nickel [4] | E200.8 | µg/L | 16-170 | 0.244 | | 0.296 | | 0.74 | |
| Potassium | E200.8 | µg/L | NE | 204 | | 202 | | 180 | J |
| Selenium [4] | E200.8 | µg/L | 5 | ND (0.31) | | ND (0.31) | | ND (0.2) | |
| Silver | E200.8 | µg/L | NE | ND (0.0062) | | ND (0.0062) | | ND (0.01) | |
| Sodium | E200.8 | µg/L | NE | 2730 | | 2560 | | 2770 | |
| Thallium | E200.8 | µg/L | NE | ND (0.025) | | ND (0.025) | | ND (0.004) | |
| Tin | E200.8 | µg/L | NE | ND (0.31) | | ND (0.31) | | ND (0.02) | |
| Vanadium | E200.8 | µg/L | NE | 0.616 | | 0.754 | | 0.86 | |
| Zinc [4] | E200.8 | µg/L | 37-390 | 1.35 | J | 1.68 | BQ | 1.5 | |
| **Dissolved Metals** | | | | | | | | | |
| Aluminum | E200.8 | µg/L | NE | 23.1 | J, BQ | 12.6 | J, BQ | 19.7 | |
| Antimony | E200.8 | µg/L | NE | 0.216 | | 0.471 J | J | 0.02 | J |
| Arsenic | E200.8 | µg/L | 150 | 0.967 | | 0.576 | | 1.2 | |
| Barium | E200.8 | µg/L | NE | 1.73 | | 1.05 | | 1.63 | |
| Beryllium | E200.8 | µg/L | NE | ND (0.015) | | ND (0.015) | | ND (0.01) | |
| Bismuth | E200.8 | µg/L | NE | ND (1.5) | | ND (1.5) | | ND (0.2) | |
| Boron | E200.7 | µg/L | NE | ND (3.1) | | ND (3.1) | | 2.46 | |
| Cadmium | E200.8 | µg/L | 0.094-0.64 | ND (0.031) | | 0.0386 | J | 0.02 | |
| Calcium | E200.8 | µg/L | NE | 7090 | | 3910 | | 8960 | |
| Chromium[3,4] | E200.8 | µg/L | 24-230 | 0.159 | J | 0.221 | | 0.27 | BQ |
| Cobalt | E200.8 | µg/L | NE | 0.0533 | J | 0.0335 | J | 0.11 | |
| Copper [4] | E200.8 | µg/L | 2.7-29 | 0.666 | J | 1.1 | | 0.38 | |
| Iron | E200.8 | µg/L | NE | 157 | | 102 | | 192 | |
| Lead [4] | E200.8 | µg/L | 0.54-11 | 0.336 | J | 0.182 | J | 0.09 | |
| Magnesium | E200.8 | µg/L | NE | 915 | | 516 | | 1080 | |

| Parameter | Method | Units | Date ADEC | GS20 7/22/2004 | | GS20 7/22/2004 Duplicate | | GS20 7/22/2004 Triplicate | |
|---|---|---|---|---|---|---|---|---|---|
| Manganese | E200.8 | µg/L | NE | 18 | | 10.1 | | 20.4 | |
| Molybdenum | E200.8 | µg/L | NE | 0.563 | J | 0.434 | J | 0.49 | |
| Nickel [4] | E200.8 | µg/L | 16-170 | 0.427 | | 0.247 | | 0.69 | |
| Potassium | E200.8 | µg/L | NE | 206 | | 121 | | 179 | J |
| Selenium [4] | E200.8 | µg/L | 4.6 | ND (0.31) | | ND (0.31) | | ND (0.2) | |
| Silicon | E200.7 | µg/L | NE | 4880 | | 2790 | | 4410 | |
| Silver | E200.8 | µg/L | NE | ND (0.0062) | | 0.0125 | J | ND (0.01) | |
| Sodium | E200.8 | µg/L | NE | 2640 | | 1480 | | 2820 | |
| Thallium | E200.8 | µg/L | NE | ND (0.025) | | 0.027 | J | ND (0.004) | |
| Tin | E200.8 | µg/L | NE | ND (0.31) | | ND (0.31) | | ND (0.02) | |
| Vanadium | E200.8 | µg/L | NE | 0.45 | | ND (0.25) | | 0.6 | |
| Zinc [4] | E200.8 | µg/L | 36-380 | 1.62 | | 2.85 | | 1.1 | |
| **Other Parameters** | | | | | | | | | |
| Acidity, Total | E305.2 | mg/L | NE | ND (3.14) | | ND (3.14) | | 3 | |
| Alkalinity, Total | A2320B | mg/L | 20 | 28.5 | | 28.5 | | 30 | |
| Chloride | E300.0 | mg/L | 230 | 0.8 | | 0.837 | | 0.7 | |
| Cyanide | A4500CN | mg/L | 5.2 | ND (0.0025) | | ND (0.0025) | | 0.005 | J |
| Cyanide, Weak Acid Dissociable | A4500CN | mg/L | NE | ND (0.0025) | | ND (0.0025) | | ND (0.006) | |
| Fluoride | E300.0 | mg/L | NE | 0.1 | J | 0.054 | J | ND (0.03) | |
| Hardness (total) | A2340B | mg/L | NE | 22.2 | | 22 | | 26.521 | |
| Hardness (dissolved) | A2340B | mg/L | NE | 21.5 | | 11.9 | | 26.821 | |
| Nitrogen, Ammonia (as N) [5] | A4500NH | mg/L | 6.06 mg-N/L | ND ( 0.031) | | ND (0.031) | | ND (0.03) | |
| Nitrogen, Nitrate-Nitrate | E300.0 | mg/L | NE | 0.37 | J | ND (0.31) | | ND (0.02) | |
| pH | E150.1 | pH Units | 6.5-8.5 | 7.59 | | 7.12 | | 7.58 | |
| Phosphorus, Total (as P) | E365.2 | mg/L | NE | ND (0.031) | | ND (0.031) | | 0.02 | |
| Specific Conductance | A2510B | µmhos/cm | NE | 65 | | 60 | | 58 | |
| Sulfates | E300.0 | mg/L | NE | 1.35 | | 1.39 | | 1.1 | |
| Thiocyanate | A4500M | mg/L | NE | ND ( 0.13) | | ND (0.13) | | 0.22 | |
| Total Dissolved Solids | A2540C | mg/L | 1,000 | 48.8 | | 53.8 BQ | BQ | 50 | |
| Total Suspended Solids | EPA 160.2 | mg/L | NE | 2.3 | | 3.2 | | ND (5) | |
| **Field Measurements** | | | | | | | | | |
| Conductivity | Field | mS/cm | NE | 0.057 | | 0.057 | | 0.570 | |
| Dissolved Oxygen | Field | mg/L | 7-17 | 11.57 | | 11.57 | | 11.57 | |
| pH | Field | pH units | 6.5-8.5 | 6.26 | | 6.3 | | 6.3 | |
| Turbidity [6] | Field | NTU | 25 | 10 | | 10 | | 10 | |
| Temperature | Field | °C | 13-20 | 14.4 | | 14.4 | | 14.4 | |

Concentrations that exceed the ADEC criteria are highlighted.

Results that were not in the Pebble database and were pulled from hard copy deliverables are shaded. These results have not gone through data review.

See Appendix 6H-17 for explanation of data validation flags.

1 Alaska Administrative Code 18 Chapter 70 (18 AAC 70) Water Quality Standards (fresh water use for growth and propagation of fish, shellfish, other aquatic life, and wildlife).

2 Alaska Water Quality Criteria Manual for Toxic and Other Deleterious Organic and Inorganic Substances (aquatic life fresh water chronic).

3 Chromium III

**TABLE 6H-3**
**2004 Validated Analytical Results - Lower Roadhouse Creek (GS-20)**

| Parameter | Method | Units | Date ADEC Criteria[1,2] | 082004GS20SW001 GS20 8/20/2004 | | 082004GS20SW201 GS20 8/20/2004 Duplicate | | 082004GS20SW301 GS20 8/20/2004 Triplicate | |
|---|---|---|---|---|---|---|---|---|---|
| **Total Metals** | | | | | | | | | |
| Aluminum | E200.8 | µg/L | 87 | 47.1 | BQ | 51.6 | | 76.5 | |
| Antimony | E200.8 | µg/L | NE | ND (0.2) | | ND (0.2) | | 0.09 | |
| Arsenic | E200.8 | µg/L | NE | 1.73 | | 1.68 | | 2 | |
| Barium | E200.8 | µg/L | NE | 2.16 | | 2.16 | | 2.65 | |
| Beryllium | E200.8 | µg/L | NE | ND (0.03) | | ND (0.03) | | 0.051 | |
| Bismuth | E200.8 | µg/L | NE | ND (5) | | ND (5) | | 0.024 | |
| Boron | E200.7 | µg/L | NE | 4.3 | J | ND (10) | | 2.81 | |
| Cadmium | E200.8 | µg/L | 0.1-0.76 | ND (0.1) | | ND (0.1) | | 0.06 | |
| Calcium | E200.8 | µg/L | NE | 8690 | | 8170 | | 9630 | |
| Chromium[3,4] | E200.8 | µg/L | 28-270 | 0.308 | BQ1 | 0.204 | BQ1 | 0.38 | BQ, BQ1 |
| Cobalt | E200.8 | µg/L | NE | 0.0771 | J | 0.0871 | J | 0.22 | |
| Copper [4] | E200.8 | µg/L | 2.9-30 | 0.556 | | 0.471 | | 0.93 | |
| Iron | E200.8 | µg/L | 1,000 | 481 | | 513 | | 597 | |
| Lead [4] | E200.8 | µg/L | 0.54-19 | 0.102 | J | ND (0.2) | | 0.197 | |
| Magnesium | E200.8 | µg/L | NE | 1130 | | 1090 | | 1180 | |
| Manganese | E200.8 | µg/L | NE | 28.2 | | 28.8 | | 38.4 | |
| Mercury | E1631 | µg/L | 0.77 | 0.0018 | BQ1 | 0.0012 | BQ1 | 0.0003 | J |
| Molybdenum | E200.8 | µg/L | NE | 0.7 | J | 0.611 | J | 0.59 | |
| Nickel [4] | E200.8 | µg/L | 16-170 | 0.336 | | 0.253 | | 0.2 | |
| Potassium | E200.8 | µg/L | NE | 327 | | 308 | | 306 | J |
| Selenium [4] | E200.8 | µg/L | 5 | ND (1) | | ND (1) | | 0.2 | J |
| Silver | E200.8 | µg/L | NE | ND (0.02) | | ND (0.02) | | 0.038 | |
| Sodium | E200.8 | µg/L | NE | 2900 | | 2770 | | 3180 | |
| Thallium | E200.8 | µg/L | NE | ND (0.05) | J | ND (0.05) | | 0.044 | |
| Tin | E200.8 | µg/L | NE | ND (1) | | ND (1) | | 0.02 | J |
| Vanadium | E200.8 | µg/L | NE | 0.706 | | 0.793 | | 1.07 | |
| Zinc [4] | E200.8 | µg/L | 37-390 | 1.43 | J | 1.32 | J, J | 4.4 | |
| **Dissolved Metals** | | | | | | | | | |
| Aluminum | E200.8 | µg/L | NE | 16.7 | J | 22.1 | J, BQ | 20.9 | |
| Antimony | E200.8 | µg/L | NE | ND (0.2) | | ND (0.2) | | 0.04 | J |
| Arsenic | E200.8 | µg/L | 150 | 0.924 | | 1.04 | | 1.2 | |
| Barium | E200.8 | µg/L | NE | 1.66 | | 2.18 | | 2.08 | |
| Beryllium | E200.8 | µg/L | NE | ND (0.03) | | ND (0.03) | | 0.007 | J |
| Bismuth | E200.8 | µg/L | NE | ND (5) | | ND (5) | | ND (0.02) | |
| Boron | E200.7 | µg/L | NE | ND (10) | | ND (10) | | 2.66 | |
| Cadmium | E200.8 | µg/L | 0.094-0.64 | ND (0.1) | | ND (0.1) | | ND (0.02) | |
| Calcium | E200.8 | µg/L | NE | 8020 | | 8850 | | 9550 | |
| Chromium[3,4] | E200.8 | µg/L | 24-230 | 0.139 | J, BQ1 | 0.305 | BQ1 | 0.25 | BQ, BQ1 |
| Cobalt | E200.8 | µg/L | NE | 0.059 | J | 0.0714 | J | 0.13 | |
| Copper [4] | E200.8 | µg/L | 2.7-29 | 0.358 | BQ1 | 0.443 | BQ1 | 0.64 | BQ1 |
| Iron | E200.8 | µg/L | NE | 152 | | 121 | | 146 | |
| Lead [4] | E200.8 | µg/L | 0.54-11 | 0.141 | J, BQ1 | 0.141 | J, BQ1 | 0.082 | BQ1 |
| Magnesium | E200.8 | µg/L | NE | 1150 | | 1230 | | 1170 | |

| Parameter | Method | Units | Date ADEC | GS20 8/20/2004 | | GS20 8/20/2004 Duplicate | | GS20 8/20/2004 Triplicate | |
|---|---|---|---|---|---|---|---|---|---|
| Manganese | E200.8 | µg/L | NE | 14.1 | | 23.9 | | 24 | |
| Molybdenum | E200.8 | µg/L | NE | 0.739 | J | 0.53 | J | 0.51 | |
| Nickel [4] | E200.8 | µg/L | 16-170 | 0.441 | | 0.42 | | 0.2 | BQ1 |
| Potassium | E200.8 | µg/L | NE | 299 | | 354 | | 302 | J |
| Selenium [4] | E200.8 | µg/L | 4.6 | ND (1) | | ND (1) | | ND (1) | |
| Silicon | E200.7 | µg/L | NE | 5450 | | 5380 | | 4340 | |
| Silver | E200.8 | µg/L | NE | ND (0.02) | | ND (0.02) | | ND (0.02) | |
| Sodium | E200.8 | µg/L | NE | 2830 | | 3220 | | 3180 | |
| Thallium | E200.8 | µg/L | NE | 0.086 | J | ND (0.05) | | ND (0.02) | |
| Tin | E200.8 | µg/L | NE | ND (1) | | ND (1) | | ND (0.1) | |
| Vanadium | E200.8 | µg/L | NE | 0.422 | | 0.46 | | 0.47 | |
| Zinc [4] | E200.8 | µg/L | 36-380 | 1.71 | BQ1 | 5.27 | J, BQ1 | 4.9 | BQ1 |
| **Other Parameters** | | | | | | | | | |
| Acidity, Total | E305.2 | mg/L | NE | ND (10) | | 4 | J | 4 | |
| Alkalinity, Total | A2320B | mg/L | 20 | 33 | | 32 | | 31 | |
| Chloride | E300.0 | mg/L | 230 | 1.13 | | 1.08 | | | |
| Cyanide | A4500CN | mg/L | 5.2 | ND (0.005) | | ND (0.005) | | ND (0.01) | |
| Cyanide, Weak Acid Dissociable | A4500CN | mg/L | NE | ND (0.005) | | ND (0.005) | | ND (0.01) | |
| Fluoride | E300.0 | mg/L | NE | 0.086 | J | 0.037 | J | ND (0.2) | |
| Hardness (total) | A2340B | mg/L | NE | 26.3 | | 24.9 | | 28.9 | |
| Hardness (dissolved) | A2340B | mg/L | NE | 24.8 | | 27.2 | | | |
| Nitrogen, Ammonia (as N) [5] | A4500NH | mg/L | 6.06 mg-N/L | ND (0.1) | | ND (0.1) | | ND (0.05) | |
| Nitrogen, Nitrate-Nitrate | E300.0 | mg/L | NE | 1.22 | | 0.51 | J | 0.4 | |
| pH | E150.1 | pH Units | 6.5-8.5 | 7.19 | | 7.23 | | 7.34 | |
| Phosphorus, Total (as P) | E365.2 | mg/L | NE | ND (0.1) | | 0.06 | J | 0.03 | |
| Specific Conductance | A2510B | µmhos/cm | NE | 80 | | 75 | | 69 | |
| Sulfates | E300.0 | mg/L | NE | 2.04 | | 2.03 | | 1.6 | |
| Thiocyanate | A4500M | mg/L | NE | ND (1) | | 0.17 | | ND (0.1) | |
| Total Dissolved Solids | A2540C | mg/L | 1,000 | 48.8 | | 37.5 | | 59 | |
| Total Suspended Solids | EPA 160.2 | mg/L | NE | 4.5 | | 3.2 | | ND (5) | |
| **Field Measurements** | | | | | | | | | |
| Conductivity | Field | mS/cm | NE | 0.063 | | 0.063 | | 0.063 | |
| Dissolved Oxygen | Field | mg/L | 7-17 | 10.6 | | 10.6 | | 10.6 | |
| pH | Field | pH units | 6.5-8.5 | 6.4 | | 6.4 | | 6.4 | |
| Turbidity [6] | Field | NTU | 25 | 10 | | 10 | | 10 | |
| Temperature | Field | °C | 13-20 | 13.6 | | 13.6 | | 13.6 | |

Concentrations that exceed the ADEC criteria are highlighted.

Results that were not in the Pebble database and were pulled from hard copy deliverables are shaded. These results have not gone through data review.

See Appendix 6H-17 for explanation of data validation flags.

4 Criteria are in the dissolved form. Total recoverable criteria shown in the Water Quality Manual are for calculation purposes only.

5 Ammonia varies based on pH and temperature. For pH of 6.5 and temperature of 16, ammonia criteria is 6.06 mg-N/L.

6 Criteria is 25 NTUs above natural conditions.

**TABLE 6H-3**
**2004 Validated Analytical Results - Lower Roadhouse Creek (GS-20)**

| Parameter | Method | Units | Date ADEC Criteria[1,2] | 092004GS20SW001 GS20 9/20/2004 | | 092004GS20SW201 GS20 9/20/2004 Duplicate | | 092004GS20SW301 GS20 9/20/2004 Triplicate | |
|---|---|---|---|---|---|---|---|---|---|
| **Total Metals** | | | | | | | | | |
| Aluminum | E200.8 | µg/L | 87 | 166 | | 165 | | 126 | |
| Antimony | E200.8 | µg/L | NE | 0.196 | J | ND (0.2) | | 0.03 | J |
| Arsenic | E200.8 | µg/L | NE | 1.59 | | 1.7 | | 1.8 | |
| Barium | E200.8 | µg/L | NE | 3.48 | | 3.68 | | 2.82 | |
| Beryllium | E200.8 | µg/L | NE | ND (0.03) | | ND (0.03) | | ND (0.02) | |
| Bismuth | E200.8 | µg/L | NE | ND (5) | | ND (5) | | ND (0.02) | |
| Boron | E200.7 | µg/L | NE | 4.2 | J | 3.6 | J | 1.74 | |
| Cadmium | E200.8 | µg/L | 0.1-0.76 | ND (0.1) | | ND (0.1) | | ND (0.02) | |
| Calcium | E200.8 | µg/L | NE | 6390 | | 8170 | | 8450 | |
| Chromium[3,4] | E200.8 | µg/L | 28-270 | 0.22 | J | 0.345 | | 0.3 | |
| Cobalt | E200.8 | µg/L | NE | 0.145 | | 0.159 | | 0.2 | |
| Copper [4] | E200.8 | µg/L | 2.9-30 | 0.481 | BQ1 | 0.531 | BQ1 | 0.65 | BQ1 |
| Iron | E200.8 | µg/L | 1,000 | 707 | | 724 | | 717 | |
| Lead [4] | E200.8 | µg/L | 0.54-19 | 0.202 | BQ1 | 0.187 | J, BQ1 | 0.15 | BQ1 |
| Magnesium | E200.8 | µg/L | NE | 1000 | | 1110 | | 1100 | |
| Manganese | E200.8 | µg/L | NE | 73.6 | | 73.3 | | 73.4 | |
| Mercury | E1631 | µg/L | 0.77 | 0.0022 | | 0.0025 | | 0.0014 | J |
| Molybdenum | E200.8 | µg/L | NE | 0.331 | J | 0.359 | J | 0.36 | |
| Nickel [4] | E200.8 | µg/L | 16-170 | 0.268 | BQ1 | 0.327 | BQ1 | 0.56 | BQ1 |
| Potassium | E200.8 | µg/L | NE | 698 | BQ1 | 819 | | 750 | J, BQ1 |
| Selenium [4] | E200.8 | µg/L | 5 | ND (1) | | ND (1) | | ND (1) | |
| Silver | E200.8 | µg/L | NE | ND (0.02) | | ND (0.02) | | ND (0.02) | |
| Sodium | E200.8 | µg/L | NE | 2440 | | 2780 | | 2710 | |
| Thallium | E200.8 | µg/L | NE | ND (0.05) | | ND (0.05) | | ND (0.02) | |
| Tin | E200.8 | µg/L | NE | ND (1) | J- | ND (1) | | ND (0.1) | |
| Vanadium | E200.8 | µg/L | NE | 1.07 | BQ1 | 1.16 | BQ1 | 1.31 | BQ1 |
| Zinc [4] | E200.8 | µg/L | 37-390 | 1.76 | BQ1 | 2.16 | BQ1 | 1.8 | BQ1 |
| **Dissolved Metals** | | | | | | | | | |
| Aluminum | E200.8 | µg/L | NE | 36.2 | J, BQ | 43.2 | J, BQ | 33.8 | |
| Antimony | E200.8 | µg/L | NE | ND (0.2) | | ND (0.2) | | 0.03 | J |
| Arsenic | E200.8 | µg/L | 150 | 0.722 | | 0.787 | | 0.8 | |
| Barium | E200.8 | µg/L | NE | 1.99 | | 2.2 | | 1.83 | |
| Beryllium | E200.8 | µg/L | NE | ND (0.03) | | ND (0.03) | | ND (0.02) | |
| Bismuth | E200.8 | µg/L | NE | ND (5) | | ND (5) | | ND (0.02) | |
| Boron | E200.7 | µg/L | NE | ND (10) | | ND (10) | | 1.8 | |
| Cadmium | E200.8 | µg/L | 0.094-0.64 | ND (0.1) | | ND (0.1) | | ND (0.02) | |
| Calcium | E200.8 | µg/L | NE | 7160 | | 7810 | | 8360 | |
| Chromium[3,4] | E200.8 | µg/L | 24-230 | 0.435 | J | 0.267 | | 0.21 | BQ |
| Cobalt | E200.8 | µg/L | NE | 0.0694 | J | 0.0678 | J | 0.1 | |
| Copper [4] | E200.8 | µg/L | 2.7-29 | 0.302 | BQ1 | 0.279 | BQ1 | 0.25 | BQ1 |
| Iron | E200.8 | µg/L | NE | 168 | | 194 | | 193 | |
| Lead [4] | E200.8 | µg/L | 0.54-11 | ND (0.2) | | ND (0.2) | | 0.04 | BQ1 |
| Magnesium | E200.8 | µg/L | NE | 1010 | | 1080 | | 1070 | |

| Parameter | Method | Units | Date ADEC | GS20 9/20/2004 | | GS20 9/20/2004 Duplicate | | GS20 9/20/2004 Triplicate | |
|---|---|---|---|---|---|---|---|---|---|
| Manganese | E200.8 | µg/L | NE | 23.8 | | 23.4 | | 24.4 | |
| Molybdenum | E200.8 | µg/L | NE | 0.355 | J | 0.33 | J | 0.34 | |
| Nickel [4] | E200.8 | µg/L | 16-170 | 0.291 | BQ1 | 0.285 | BQ1 | 0.54 | BQ1 |
| Potassium | E200.8 | µg/L | NE | 701 | BQ1 | 761 | BQ1 | 714 | J, BQ1 |
| Selenium [4] | E200.8 | µg/L | 4.6 | ND (1) | | ND (1) | | ND (1) | |
| Silicon | E200.7 | µg/L | NE | 4700 | | 5120 | | 4540 | |
| Silver | E200.8 | µg/L | NE | ND (0.02) | | ND (0.02) | | ND (0.02) | |
| Sodium | E200.8 | µg/L | NE | 2520 | | 2690 | | 2650 | |
| Thallium | E200.8 | µg/L | NE | ND (0.05) | | ND (0.05) | | ND (0.02) | |
| Tin | E200.8 | µg/L | NE | ND (1) | | ND (1) | | ND (0.1) | |
| Vanadium | E200.8 | µg/L | NE | 0.327 | J, BQ1 | 0.426 | BQ1 | 0.5 | BQ1 |
| Zinc [4] | E200.8 | µg/L | 36-380 | 1.02 | J, BQ1 | 0.781 | J, BQ1 | 0.76 | BQ1 |
| **Other Parameters** | | | | | | | | | |
| Acidity, Total | E305.2 | mg/L | NE | ND (10) | | 3.6 | J | 3 | |
| Alkalinity, Total | A2320B | mg/L | 20 | 24.8 | | 25.8 | | 25 | |
| Chloride | E300.0 | mg/L | 230 | 2.19 | | 2.41 | | 1.9 | |
| Cyanide | A4500CN | mg/L | 5.2 | 0.003 | J, BQ | 0.004 | J, BQ | ND (0.01) | |
| Cyanide, Weak Acid Dissociable | A4500CN | mg/L | NE | ND (0.005) | | ND (0.005) | | ND (0.01) | |
| Fluoride | E300.0 | mg/L | NE | ND (0.1) | | ND (0.1) | | ND (0.2) | |
| Hardness (total) | A2340B | mg/L | NE | 20.1 | | 25 | | 25.6 | |
| Hardness (dissolved) | A2340B | mg/L | NE | 22.1 | | 24 | | | |
| Nitrogen, Ammonia (as N) [5] | A4500NH | mg/L | 6.06 mg-N/L | 0.033 | J, BQ | ND (0.1) | | ND (0.05) | |
| Nitrogen, Nitrate-Nitrate | E300.0 | mg/L | NE | 0.77 | J, J- | 1.55 | J- | 0.12 | J, BQ |
| pH | E150.1 | pH Units | 6.5-8.5 | 6.94 | | 6.89 | | 7.31 | |
| Phosphorus, Total (as P) | E365.2 | mg/L | NE | ND (0.1) | | ND (0.1) | | 0.04 | |
| Specific Conductance | A2510B | µmhos/cm | NE | 60 | | 60 | | 63 | |
| Sulfates | E300.0 | mg/L | NE | 2.12 | | 2.14 | | 1.5 | |
| Thiocyanate | A4500M | mg/L | NE | 0.48 | | 0.55 | | 0.24 | |
| Total Dissolved Solids | A2540C | mg/L | 1,000 | 58.8 | | 51.3 | | 63 | |
| Total Suspended Solids | EPA 160.2 | mg/L | NE | 11.2 | | 10 | | 12 | |
| **Field Measurements** | | | | | | | | | |
| Conductivity | Field | mS/cm | NE | 0.063 | | 0.063 | | 0.063 | |
| Dissolved Oxygen | Field | mg/L | 7-17 | 12 | | 12 | | 12 | |
| pH | Field | pH units | 6.5-8.5 | 5.75 | | 5.75 | | 5.75 | |
| Turbidity [6] | Field | NTU | 25 | 1 | | 1 | | 1 | |
| Temperature | Field | °C | 13-20 | 7.3 | | 7.3 | | 7.3 | |

Concentrations that exceed the ADEC criteria are highlighted.

Results that were not in the Pebble database and were pulled from hard copy deliverables are shaded. These results have not gone through data review.

See Appendix 6H-17 for explanation of data validation flags.

°C = degrees Celsius

ADEC = Alaska Department of Environmental Conservation

mg/L = milligrams per liter

mS/cm = milliSiemens per centimeter

µg/L = micrograms per liter

µmhos/cm = micromhos per centimeter

NA = not available

**TABLE 6H-3**
**2004 Validated Analytical Results - Lower Roadhouse Creek (GS-20)**

| Parameter | Method | Units | Date ADEC Criteria[1,2] | 101804GS20SW001 GS20 10/18/2004 | | 101804GS20SW201 GS20 10/18/2004 Duplicate | | 101804GS20SW301 GS20 10/18/2004 Triplicate | |
|---|---|---|---|---|---|---|---|---|---|
| **Total Metals** | | | | | | | | | |
| Aluminum | E200.8 | µg/L | 87 | 62.1 | | 48.5 | | 113 | |
| Antimony | E200.8 | µg/L | NE | ND (0.2) | | ND (0.2) | | 0.09 | |
| Arsenic | E200.8 | µg/L | NE | 0.875 | | 0.498 | | 1.1 | |
| Barium | E200.8 | µg/L | NE | 1.64 | | 1.45 | | 2.24 | |
| Beryllium | E200.8 | µg/L | NE | ND (0.03) | | ND (0.03) | | ND (0.02) | |
| Bismuth | E200.8 | µg/L | NE | ND (5) | | ND (5) | | 0.004 | |
| Boron | E200.7 | µg/L | NE | ND (10) | | ND (10) | | 2.03 | |
| Cadmium | E200.8 | µg/L | 0.1-0.76 | ND (0.1) | | ND (0.1) | | ND (0.02) | |
| Calcium | E200.8 | µg/L | NE | 5170 | | 5040 | | 6330 | |
| Chromium[3,4] | E200.8 | µg/L | 28-270 | 0.184 | | 0.234 | | 0.14 | |
| Cobalt | E200.8 | µg/L | NE | 0.0575 | | 0.0525 | | 0.14 | |
| Copper [4] | E200.8 | µg/L | 2.9-30 | 0.303 | | 0.249 | | 0.33 | |
| Iron | E200.8 | µg/L | 1,000 | 230 | | 216 | | 477 | |
| Lead [4] | E200.8 | µg/L | 0.54-19 | ND (0.2) | | ND (0.2) | | 0.055 | J |
| Magnesium | E200.8 | µg/L | NE | 764 | | 745 | | 787 | |
| Manganese | E200.8 | µg/L | NE | 20.6 | | 19.4 | | 36.1 | |
| Mercury | E1631 | µg/L | 0.77 | 0.0039 | BQ1 | 0.0023 | BQ1 | 0.000383 | |
| Molybdenum | E200.8 | µg/L | NE | ND (1) | | ND (1) | | 0.3 | |
| Nickel [4] | E200.8 | µg/L | 16-170 | 0.196 | | 0.18 | | 0.5 | |
| Potassium | E200.8 | µg/L | NE | 211 | | 209 | | 209 | |
| Selenium [4] | E200.8 | µg/L | 5 | ND (1) | | ND (1) | | ND (1) | |
| Silver | E200.8 | µg/L | NE | ND (0.02) | | ND (0.02) | | 0.012 | |
| Sodium | E200.8 | µg/L | NE | 2440 | | 2020 | | 2460 | |
| Thallium | E200.8 | µg/L | NE | ND (0.05) | | ND (0.05) | | 0.009 | BQ |
| Tin | E200.8 | µg/L | NE | ND (1) | | ND (1) | | ND (0.1) | |
| Vanadium | E200.8 | µg/L | NE | 0.359 | | 0.313 | | 0.82 | |
| Zinc [4] | E200.8 | µg/L | 37-390 | 4.36 | | 2.03 | J | 1.3 | J |
| **Dissolved Metals** | | | | | | | | | |
| Aluminum | E200.8 | µg/L | NE | 34 | BQ | 32.1 | BQ | 35.5 | |
| Antimony | E200.8 | µg/L | NE | ND (0.2) | | ND (0.2) | | 0.05 | |
| Arsenic | E200.8 | µg/L | 150 | 0.572 | | 0.45 | | 0.7 | |
| Barium | E200.8 | µg/L | NE | 1.3 | | 1.26 | | 1.68 | |
| Beryllium | E200.8 | µg/L | NE | ND (0.03) | | ND (0.03) | | ND (0.02) | |
| Bismuth | E200.8 | µg/L | NE | ND (5) | | ND (5) | | 0.004 | |
| Boron | E200.7 | µg/L | NE | ND (10) | | ND (10) | | 1.93 | |
| Cadmium | E200.8 | µg/L | 0.094-0.64 | ND (0.1) | | ND (0.1) | | ND (0.02) | |
| Calcium | E200.8 | µg/L | NE | 4830 | | 4790 | | 6350 | |
| Chromium[3,4] | E200.8 | µg/L | 24-230 | 0.206 | | 0.211 | | 0.1 | |
| Cobalt | E200.8 | µg/L | NE | 0.0478 | | 0.0552 | | 0.11 | |
| Copper [4] | E200.8 | µg/L | 2.7-29 | 0.243 | BQ | 0.36 | | 0.3 | |
| Iron | E200.8 | µg/L | NE | 139 | | 131 | | 181 | |
| Lead [4] | E200.8 | µg/L | 0.54-11 | 0.115 | | 0.136 | | 0.114 | J |
| Magnesium | E200.8 | µg/L | NE | 738 | | 715 | | 786 | |

| Parameter | Method | Units | Date ADEC | GS20 10/18/2004 | | GS20 10/18/2004 Duplicate | | GS20 10/18/2004 Triplicate | |
|---|---|---|---|---|---|---|---|---|---|
| Manganese | E200.8 | µg/L | NE | 15.4 | | 15.2 | | 20.5 | |
| Molybdenum | E200.8 | µg/L | NE | ND (1) | | ND (1) | | 0.3 | |
| Nickel [4] | E200.8 | µg/L | 16-170 | 0.298 | | 0.277 | | 0.6 | |
| Potassium | E200.8 | µg/L | NE | 207 | | 200 | | 219 | |
| Selenium [4] | E200.8 | µg/L | 4.6 | ND (1) | | ND (1) | | ND (1) | |
| Silicon | E200.7 | µg/L | NE | 4830 | | 4620 | | 4570 | |
| Silver | E200.8 | µg/L | NE | ND (0.02) | | ND (0.02) | | ND (0.02) | |
| Sodium | E200.8 | µg/L | NE | 1970 | | 1930 | | 2450 | |
| Thallium | E200.8 | µg/L | NE | ND (0.05) | | ND (0.05) | | 0.015 | BQ |
| Tin | E200.8 | µg/L | NE | ND (1) | | ND (1) | | ND (0.1) | |
| Vanadium | E200.8 | µg/L | NE | 0.283 | | 0.343 | | 0.58 | |
| Zinc [4] | E200.8 | µg/L | 36-380 | 1.93 | BQ | 3.88 | J | 2.2 | J |
| **Other Parameters** | | | | | | | | | |
| Acidity, Total | E305.2 | mg/L | NE | 7.5 | | ND (10) | | 4 | |
| Alkalinity, Total | A2320B | mg/L | 20 | 11 | | 17 | | 20 | |
| Chloride | E300.0 | mg/L | 230 | 1.37 | | 1.42 | | 0.9 | |
| Cyanide | A4500CN | mg/L | 5.2 | 0.0055 | | 0.006 | | ND (0.01) | |
| Cyanide, Weak Acid Dissociable | A4500CN | mg/L | NE | 0.0036 | | 0.0036 | | ND (0.01) | |
| Fluoride | E300.0 | mg/L | NE | ND (0.1) | J- | ND (0.1) | J- | ND (0.2) | |
| Hardness (total) | A2340B | mg/L | NE | 16.1 | | 15.7 | | 19.1 | |
| Hardness (dissolved) | A2340B | mg/L | NE | | | | | | |
| Nitrogen, Ammonia (as N) [5] | A4500NH | mg/L | 6.06 mg-N/L | ND (0.1) | | ND (0.1) | | ND (0.01) | |
| Nitrogen, Nitrate-Nitrate | E300.0 | mg/L | NE | 1.64 | | 2.46 | | 2.2 | |
| pH | E150.1 | pH Units | 6.5-8.5 | 6.37 | | 6.81 | | 6.5 | |
| Phosphorus, Total (as P) | E365.2 | mg/L | NE | ND (0.1) | | ND (1) | | 0.03 | |
| Specific Conductance | A2510B | µmhos/cm | NE | 60 | | 45 | | 3 | |
| Sulfates | E300.0 | mg/L | NE | 1.96 | | 1.44 | | 1.2 | |
| Thiocyanate | A4500M | mg/L | NE | 0.32 | | 0.38 | | 0.13 | |
| Total Dissolved Solids | A2540C | mg/L | 1,000 | 52.5 | | 52.5 | | 46 | |
| Total Suspended Solids | EPA 160.2 | mg/L | NE | 1.3 | | 1.1 | | 9 | |
| **Field Measurements** | | | | | | | | | |
| Conductivity | Field | mS/cm | NE | 0.06 | | 0.06 | | 0.06 | |
| Dissolved Oxygen | Field | mg/L | 7-17 | 12.2 | | 12.2 | | 12.2 | |
| pH | Field | pH units | 6.5-8.5 | 5.8 | | 5.8 | | 5.8 | |
| Turbidity [6] | Field | NTU | 25 | 18 | | 18 | | 18 | |
| Temperature | Field | °C | 13-20 | 3 | | 3 | | 3 | |

Concentrations that exceed the ADEC criteria are highlighted.

Results that were not in the Pebble database and were pulled from hard copy deliverables are shaded. These results have not gone through data review.

See Appendix 6H-17 for explanation of data validation flags.

ND = not detected

NE = not established

NTU = nephelometric turbidity units

**TABLE 6H-4**
**2004 Validated Analytical Results - Upper Roadhouse Creek (GS-20A)**

| Parameter | Method | Units | ADEC Criteria[1,2] | 072004GS20ASW001 GS20A 7/20/2004 | | 082004GS20ASW001 GS20A 8/20/2004 | | 092104GS20ASW001 GS20A 9/21/2004 | | 101404GS20ASW001 GS20A 10/14/2004 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals** | | | | | | | | | | | |
| Aluminum | E200.8 | µg/L | 87 | 49.2 | | 38.8 | BQ | 85.9 | | 88.1 | |
| Antimony | E200.8 | µg/L | NE | ND (0.2) | J | 0.0779 | J | ND (0.2) | | ND (0.2) | |
| Arsenic | E200.8 | µg/L | NE | 1.31 | | 1.44 | | 1.09 | | 0.706 | |
| Barium | E200.8 | µg/L | NE | 2.49 | | 3.07 | | 3.33 | | 2.66 | |
| Beryllium | E200.8 | µg/L | NE | ND (0.03) | | ND (0.03) | | ND (0.03) | | ND (0.03) | |
| Bismuth | E200.8 | µg/L | NE | ND (5) | | ND (5) | | ND (5) | | ND (5) | |
| Boron | E200.7 | µg/L | NE | ND (10) | | ND (10) | | ND (10) | | ND (10) | |
| Cadmium | E200.8 | µg/L | 0.1-0.76 | ND (0.1) | | ND (0.1) | | 2.19 | | ND (0.1) | |
| Calcium | E200.8 | µg/L | NE | 7180 | | 8950 | | 7860 | | 5770 | |
| Chromium[3,4] | E200.8 | µg/L | 28-270 | 0.452 | | 0.266 | BQ1 | 0.396 | | ND (0.2) | |
| Cobalt | E200.8 | µg/L | NE | 0.0479 | J | 0.0689 | J | 0.0761 | J | 0.155 | |
| Copper [4] | E200.8 | µg/L | 2.9-30 | 0.346 | J | 0.3 | | 0.561 | BQ1 | 1.62 | |
| Iron | E200.8 | µg/L | 1,000 | 314 | | 364 | | 423 | | 276 | |
| Lead [4] | E200.8 | µg/L | 0.54-19 | ND (0.2) | | ND (0.2) | | ND (0.2) | | 0.213 | |
| Magnesium | E200.8 | µg/L | NE | 954 | | 1180 | | 1050 | | 747 | |
| Manganese | E200.8 | µg/L | NE | 22.6 | | 39.3 | | 24.2 | | 8.6 | |
| Mercury | E1631 | µg/L | 0.77 | 0.0011 | J- | 0.0015 | BQ1 | 0.0016 | BQ1 | 0.002 | BQ1 |
| Molybdenum | E200.8 | µg/L | NE | 0.427 | J | 0.58 | J | 0.351 | J | ND (1) | |
| Nickel [4] | E200.8 | µg/L | 16-170 | 0.255 | | 0.289 | | 0.299 | BQ1 | 0.319 | |
| Potassium | E200.8 | µg/L | NE | 164 | | 210 | | 594 | BQ1 | 344 | |
| Selenium [4] | E200.8 | µg/L | 5 | ND (1) | | ND (1) | | ND (1) | | ND (1) | |
| Silver | E200.8 | µg/L | NE | ND (0.02) | | ND (0.02) | | ND (0.02) | | 0.0063 | |
| Sodium | E200.8 | µg/L | NE | 2280 | | 2530 | | 2360 | | 1910 | |
| Thallium | E200.8 | µg/L | NE | ND (0.05) | | ND (0.05) | | ND (0.05) | | ND (0.05) | |
| Tin | E200.8 | µg/L | NE | ND (1) | | ND (1) | | ND (1) | | ND (1) | |
| Vanadium | E200.8 | µg/L | NE | 0.363 | J | 0.464 | | 0.521 | BQ1 | 0.397 | |
| Zinc [4] | E200.8 | µg/L | 37-390 | 3.11 | | 1.68 | | 1.92 | BQ1 | 2.94 | |
| **Dissolved Metals** | | | | | | | | | | | |
| Aluminum | E200.8 | µg/L | NE | 23.1 | J, BQ | 18.8 | J, BQ | 18.6 | J | 23.2 | |
| Antimony | E200.8 | µg/L | NE | 3.36 | J | ND (0.2) | | ND (0.2) | | ND (0.2) | |
| Arsenic | E200.8 | µg/L | 150 | 1.03 | | 1.25 | | 0.557 | | 0.324 | |
| Barium | E200.8 | µg/L | NE | 2.19 | | 2.72 | | 2.51 | | 1.7 | |
| Beryllium | E200.8 | µg/L | NE | ND (0.03) | | ND (0.03) | | ND (0.03) | | ND (0.03) | |
| Bismuth | E200.8 | µg/L | NE | ND (5) | | ND (5) | | ND (5) | | ND (5) | |
| Boron | E200.7 | µg/L | NE | ND (10) | | ND (10) | | ND (10) | | ND (10) | |
| Cadmium | E200.8 | µg/L | 0.094-0.64 | 0.0599 | J, BQ | ND (0.1) | | ND (0.1) | | ND (0.10 | |
| Calcium | E200.8 | µg/L | NE | 6980 | | 8690 | | 7500 | | 5410 | |
| Chromium[3,4] | E200.8 | µg/L | 24-230 | 0.156 | J | 0.329 | BQ1 | 0.226 | | ND (0.2) | |
| Cobalt | E200.8 | µg/L | NE | 0.0458 | J | 0.0542 | J | 0.0412 | J | 0.0963 | |
| Copper [4] | E200.8 | µg/L | 2.7-29 | 0.585 | J | 0.425 | BQ1 | 0.284 | BQ1 | 0.736 | |
| Iron | E200.8 | µg/L | NE | 154 | | 132 | | 90.9 | | 84.9 | |
| Lead [4] | E200.8 | µg/L | 0.54-11 | 0.139 | J | 0.157 | J, BQ1 | 0.102 | J, BQ1 | 0.152 | |
| Magnesium | E200.8 | µg/L | NE | 967 | | 1170 | | 1140 | | 711 | |
| Manganese | E200.8 | µg/L | NE | 9.77 | | 16.9 | | 9.82 | | 2.33 | |
| Molybdenum | E200.8 | µg/L | NE | 0.629 | J | 0.613 | J | 0.344 | J | ND (1) | |
| Nickel [4] | E200.8 | µg/L | 16-170 | 0.363 | | 0.388 | | 0.391 | BQ1 | 0.282 | |
| Potassium | E200.8 | µg/L | NE | 165 | | 207 | | 606 | BQ1 | 327 | |
| Selenium [4] | E200.8 | µg/L | 4.6 | ND (1) | | ND (1) | | ND (1) | | ND (1) | |
| Silicon | E200.7 | µg/L | NE | 2970 | | 3780 | | 4320 | | 3470 | |
| Silver | E200.8 | µg/L | NE | ND (0.02) | | ND (0.02) | | ND (0.02) | | ND (0.02) | |

| Parameter | Method | Units | ADEC Criteria[1,2] | 072004GS20ASW001 GS20A 7/20/2004 | | 082004GS20ASW001 GS20A 8/20/2004 | | 092104GS20ASW001 GS20A 9/21/2004 | | 101404GS20ASW001 GS20A 10/14/2004 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Sodium | E200.8 | µg/L | NE | 2360 | | 2510 | | 2650 | | 1880 | |
| Thallium | E200.8 | µg/L | NE | ND (0.05) | | ND (0.05) | | ND (0.05) | | ND (0.05) | |
| Tin | E200.8 | µg/L | NE | ND (1) | | ND (1) | | ND (1) | | ND (1) | |
| Vanadium | E200.8 | µg/L | NE | 0.263 | J | ND (0.4) | | ND (0.4) | | ND (0.4) | |
| Zinc [4] | E200.8 | µg/L | 36-380 | 1.96 | BQ | 1.85 | BQ1 | 1.77 | BQ1 | 1.9 | |
| **Other Parameters** | | | | | | | | | | | |
| Acidity, Total | E305.2 | mg/L | NE | ND (10) | | 4.6 | J | ND (10) | | ND (10) | |
| Alkalinity, Total | A2320B | mg/L | 20 | 26 | | 30 | | 27.5 | | 14 | |
| Chloride | E300.0 | mg/L | 230 | 0.934 | | 0.658 | | 1.65 | | 1.27 | |
| Cyanide | A4500CN | mg/L | 5.2 | ND (0.005) | | ND (0.005) | | 0.0035 | J, BQ | 0.0039 | BQ |
| Cyanide, Weak Acid Dissociable | A4500CN | mg/L | NE | ND (0.005) | | ND (0.005) | | ND (0.005) | | 0.0038 | BQ |
| Fluoride | E300.0 | mg/L | NE | 0.057 | J | 0.078 | J | ND (0.1) | | ND (0.1) | |
| Hardness (total) | A2340B | mg/L | NE | 21.9 | | 27.2 | | 23.9 | | 17.5 | |
| Hardness (dissolved) | A2340B | mg/L | NE | 21.4 | | 26.5 | | 23.4 | | NA | |
| Nitrogen, Ammonia (as N) [5] | A4500NH | mg/L | 6.06 mg-N/L | ND (0.1) | | ND (0.1) | | 0.15 | | 0.069 | |
| Nitrogen, Nitrate-Nitrate | E300.0 | mg/L | NE | 0.52 | J | 0.6 | J | 0.77 | J, J- | 0.4 | |
| pH | E150.1 | pH Units | 6.5-8.5 | 7.07 | | 7.16 | | 7.6 | | 6.79 | |
| Phosphorus, Total (as P) | E365.2 | mg/L | NE | ND (0.1) | | 0.19 | | 0.09 | J | ND (0.1) | |
| Specific Conductance | A2510B | µmhos/cm | NE | 60 | | 75 | | 60 | | 43 | |
| Sulfates | E300.0 | mg/L | NE | 1.4 | | 1.35 | | 1.82 | | 1.23 | |
| Thiocyanate | A4500M | mg/L | NE | ND (1) | | 0.39 | | 0.49 | | 0.29 | |
| Total Dissolved Solids | A2540C | mg/L | 1,000 | 75 | | 46.3 | | 53.8 | | 57.5 | |
| Total Suspended Solids | EPA 160.2 | mg/L | NE | 2.9 | | 4.56 | | 6.8 | | 3.2 | |
| **Field Measurements** | | | | | | | | | | | |
| Conductivity | Field | mS/cm | NE | 0.450 | | 0.08 | | 0.09 | | 0.17 | |
| Dissolved Oxygen | Field | mg/L | 7-17 | 9.44 | | 9.43 | | 13.25 | | 12.71 | |
| pH | Field | pH units | 6.5-8.5 | 6.3 | | 5.6 | | 4.58 | | 7 | |
| Turbidity [6] | Field | NTU | 25 | 0 | | 7 | | 2 | | 1 | |
| Temperature | Field | °C | 13-20 | 22.7 | | 16 | | 4.2 | | 9.9 | |

Concentrations that exceed the ADEC criteria are highlighted.

See Appendix 6H-17 for explanation of data validation flags.

1 Alaska Administrative Code 18 Chapter 70 (18 AAC 70) Water Quality Standards (fresh water use for growth and propagation of fish, shellfish, other aquatic life, and wildlife).

2 Alaska Water Quality Criteria Manual for Toxic and Other Deleterious Organic and Inorganic Substances (aquatic life fresh water chronic).

3 Chromium III

4 Criteria are in the dissolved form. Total recoverable criteria shown in the Water Quality Manual are for calculation purposes only.

5 Ammonia varies based on pH and temperature. For pH of 6.5 and temperature of 16, ammonia criteria is 6.06 mg-N/L.

6 Criteria is 25 NTUs above natural conditions.

°C = degrees Celsius

ADEC = Alaska Department of Environmental Conservation

mg/L = milligrams per liter

µg/L = micrograms per liter

µmhos/cm = micromhos per centimeter

mS/cm = milliSiemens per centimeter

ND = not detected

NA = not available

NE = not established

NTU = nephelometric turbidity units

**TABLE 6H-5**
**2004 Validated Analytical Results - No-Name Creek (GS-18A), Tributary to Eagle Bay**

| Parameter | Method | Units | ADEC Criteria[1,2] | 072004GS18ASW001 GS18A 7/20/04 | | 081604GS18ASW001 GS18A 8/16/2004 | | 092104GS18ASW001 GS18A 9/21/2004 | | 101604GS18ASW001 GS18A 10/16/2004 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals** | | | | | | | | | | | |
| Aluminum | E200.8 | µg/L | 87 | 222 | | 65.8 | | 54.1 | BQ | 90.8 | |
| Antimony | E200.8 | µg/L | NE | ND (0.2) | J | ND (0.2) | | 0.124 | J | ND (0.2) | |
| Arsenic | E200.8 | µg/L | NE | 0.725 | | ND (0.5) | | 0.403 | J | ND (0.5) | |
| Barium | E200.8 | µg/L | NE | 12.7 | | 10.7 | | 11.7 | | 11.8 | |
| Beryllium | E200.8 | µg/L | NE | ND (0.03) | | ND (0.03) | | ND (0.03) | | ND (0.03) | |
| Bismuth | E200.8 | µg/L | NE | ND (5) | | ND (5) | | ND (5) | | ND (5) | |
| Boron | E200.7 | µg/L | NE | ND (10) | | ND (10) | | ND (10) | | ND (10) | |
| Cadmium | E200.8 | µg/L | 0.1-0.76 | ND (0.1) | | ND (0.1) | | ND (0.1) | | ND (0.1) | |
| Calcium | E200.8 | µg/L | NE | 10700 | | 11500 | | 11900 | | 10300 | |
| Chromium[3,4] | E200.8 | µg/L | 28-270 | 0.128 | J | 0.129 | J, BQ1 | 0.383 | | 0.225 | |
| Cobalt | E200.8 | µg/L | NE | 0.0949 | J | 0.0649 | J | 0.0717 | J | 0.111 | |
| Copper [4] | E200.8 | µg/L | 2.9-30 | 0.405 | | 0.368 | | 0.309 | BQ1 | 0.405 | |
| Iron | E200.8 | µg/L | 1,000 | 418 | | 228 | | 247 | | 217 | |
| Lead [4] | E200.8 | µg/L | 0.54-19 | 0.249 | | 0.1 | J | 0.104 | J, BQ1 | 0.145 | |
| Magnesium | E200.8 | µg/L | NE | 892 | | 926 | | 949 | | 964 | |
| Manganese | E200.8 | µg/L | NE | 9.25 | | 9.72 | | 14.3 | | 9.65 | |
| Mercury | E1631 | µg/L | 0.77 | 0.0008 | J, J-, BQ1 | 0.0019 | J-, BQ1 | 0.001 | BQ1 | 0.001 | BQ1 |
| Molybdenum | E200.8 | µg/L | NE | 0.488 | J | 0.386 | J | 0.384 | J | 0.355 | |
| Nickel [4] | E200.8 | µg/L | 16-170 | 0.316 | | 0.302 | J | 0.365 | BQ1 | 0.274 | |
| Potassium | E200.8 | µg/L | NE | 223 | | 220 | | 308 | BQ1 | 246 | |
| Selenium [4] | E200.8 | µg/L | 5 | ND (1) | | ND (1) | | ND (1) | | ND (1) | |
| Silver | E200.8 | µg/L | NE | ND (0.02) | | ND (0.02) | | ND (0.02) | | ND (0.02) | |
| Sodium | E200.8 | µg/L | NE | 4130 | | 1860 | | 1810 | | 1800 | |
| Thallium | E200.8 | µg/L | NE | ND (0.05) | | ND (0.05) | | ND (0.05) | | ND (0.05) | |
| Tin | E200.8 | µg/L | NE | ND (1) | | ND (1) | J- | ND (1) | | ND (1) | |
| Vanadium | E200.8 | µg/L | NE | 0.651 | | ND (0.4) | | ND (0.4) | | 0.365 | |
| Zinc [4] | E200.8 | µg/L | 37-390 | 2.9 | | 0.748 | J | 1.73 | BQ1 | 2.02 | BQ |
| **Dissolved Metals** | | | | | | | | | | | |
| Aluminum | E200.8 | µg/L | NE | 8.56 | J | 11.3 | J | 12.9 | J | 11.8 | |
| Antimony | E200.8 | µg/L | NE | 3.13 | BQ, J | ND (0.2) | | ND (0.2) | | ND (0.2) | |
| Arsenic | E200.8 | µg/L | 150 | 0.272 | J | ND (0.5) | | 0.279 | J | ND (0.5) | |
| Barium | E200.8 | µg/L | NE | 10.5 | | 11 | | 9.87 | | 10.1 | |
| Beryllium | E200.8 | µg/L | NE | ND (0.03) | | ND (0.03) | | ND (0.03) | | ND (0.03) | |
| Bismuth | E200.8 | µg/L | NE | ND (5) | | ND (5) | | ND (5) | | ND (5) | |
| Boron | E200.7 | µg/L | NE | ND (10) | | ND (10) | | ND (10) | | ND (10) | |
| Cadmium | E200.8 | µg/L | 0.094-0.64 | 0.048 | J | ND (0.1) | | ND (0.1) | | ND (0.1) | |
| Calcium | E200.8 | µg/L | NE | 10600 | | 12200 | | 10600 | | 9790 | |
| Chromium[3,4] | E200.8 | µg/L | 24-230 | 0.255 | | 0.163 | J, BQ1 | 0.211 | | 0.165 | |
| Cobalt | E200.8 | µg/L | NE | 0.0485 | J | 0.0601 | J | 0.0501 | J | 0.0557 | |
| Copper [4] | E200.8 | µg/L | 2.7-29 | 0.23 | | 0.449 | BQ1 | 0.255 | BQ1 | 0.307 | |
| Iron | E200.8 | µg/L | NE | 88.1 | | 106 | | 124 | | 63.1 | |
| Lead [4] | E200.8 | µg/L | 0.54-11 | 0.148 | J | 0.11 | J, BQ1 | 0.115 | J, BQ1 | 0.104 | |
| Magnesium | E200.8 | µg/L | NE | 950 | | 1010 | | 987 | | 866 | |
| Manganese | E200.8 | µg/L | NE | 7.16 | | 9.75 | | 12.5 | | 7.64 | |
| Molybdenum | E200.8 | µg/L | NE | 0.465 | J | 0.561 | J | 0.361 | J | 0.35 | |
| Nickel [4] | E200.8 | µg/L | 16-170 | 0.465 | | 0.522 | J | 0.392 | BQ1 | 0.372 | |
| Potassium | E200.8 | µg/L | NE | 196 | | 234 | | 288 | BQ1 | 229 | |
| Selenium [4] | E200.8 | µg/L | 4.6 | ND (1) | | ND (1) | | ND (1) | | ND (1) | |

| Parameter | Method | Units | ADEC Criteria[1,2] | 072004GS18ASW001 GS18A 7/20/04 | | 081604GS18ASW001 GS18A 8/16/2004 | | 092104GS18ASW001 GS18A 9/21/2004 | | 101604GS18ASW001 GS18A 10/16/2004 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Silicon | E200.7 | µg/L | NE | 3800 | | 4240 | | 4460 | | 3930 | |
| Silver | E200.8 | µg/L | NE | ND (0.02) | | ND (0.02) | | ND (0.02) | | ND (0.02) | |
| Sodium | E200.8 | µg/L | NE | 3900 | | 2040 | | 1890 | | 1660 | |
| Thallium | E200.8 | µg/L | NE | ND (0.05) | | ND (0.05) | | ND (0.05) | | ND (0.05) | |
| Tin | E200.8 | µg/L | NE | ND (1) | | ND (1) | J- | ND (1) | | ND (1) | |
| Vanadium | E200.8 | µg/L | NE | 0.275 | J | ND (0.4) | | ND (0.4) | | ND (0.4) | |
| Zinc [4] | E200.8 | µg/L | 36-380 | 2.61 | | 1.81 | BQ1 | 1.31 | J, BQ1 | 1.55 | |
| **Other Parameters** | | | | | | | | | | | |
| Acidity, Total | E305.2 | mg/L | NE | ND (10) | | 3.2 | J | ND (10) | | ND (10) | |
| Alkalinity, Total | A2320B | mg/L | 20 | 17.5 | | 13.5 | | 14.5 | | 12 | |
| Chloride | E300.0 | mg/L | 230 | 0.855 | | 0.818 | | 1.15 | | 1.1 | |
| Cyanide | A4500CN | mg/L | 5.2 | ND (0.005) | | ND (0.005) | | 0.0038 | J, BQ | 0.0063 | |
| Cyanide, Weak Acid Dissociable | A4500CN | mg/L | NE | 0.005 | J | ND (0.005) | | ND (0.005) | | ND (0.005) | |
| Fluoride | E300.0 | mg/L | NE | 0.049 | J | ND (0.1) | | ND (0.1) | | ND (0.1) | J- |
| Hardness (total) | A2340B | mg/L | NE | 30.5 | | 32.4 | | 33.6 | | 29.7 | |
| Hardness (dissolved) | A2340B | mg/L | NE | 30.3 | | 34.7 | | 30.5 | | | |
| Nitrogen, Ammonia (as N) [5] | A4500NH | mg/L | 6.06 mg-N/L | ND (0.1) | | ND (0.1) | | 0.051 | J | ND (0.1) | |
| Nitrogen, Nitrate-Nitrate | E300.0 | mg/L | NE | 0.45 | J | ND (1) | | 0.83 | J, J- | 1.12 | |
| pH | E150.1 | pH Units | 6.5-8.5 | 6.95 | | 6.87 | | 6.52 | | 6.65 | |
| Phosphorus, Total (as P) | E365.2 | mg/L | NE | ND (0.1) | | 0.0554 | J | 0.04 | J | ND (0.1) | |
| Specific Conductance | A2510B | µmhos/cm | NE | 100 | | 90 | | 90 | | 90 | |
| Sulfates | E300.0 | mg/L | NE | 22.5 | | 22.5 | J+ | 22.8 | | 59.1 | |
| Thiocyanate | A4500M | mg/L | NE | ND (1) | | ND (1) | | 0.58 | | 0.2 | |
| Total Dissolved Solids | A2540C | mg/L | 1,000 | 109 | | 72.5 | | 48.8 | | 58.8 | |
| Total Suspended Solids | EPA 160.2 | mg/L | NE | 5.7 | | 2.7 | | 3.4 | | 2.6 | |
| **Field Measurements** | | | | | | | | | | | |
| Conductivity | Field | mS/cm | NE | 0.680 | | 0.084 | | 0.076 | | 0.09 | |
| Dissolved Oxygen | Field | mg/L | 7-17 | 16.26 | | 15 | | 13.72 | | 14.2 | |
| pH | Field | pH units | 6.5-8.5 | 6.2 | | 5.5 | | 6.06 | | 7.2 | |
| Turbidity [6] | Field | NTU | 25 | 3 | | 2.4 | | 10 | | 18 | |
| Temperature | Field | °C | 13-20 | 9.5 | | 13.4 | | 5.7 | | 5 | |

Concentrations that exceed the ADEC criteria are highlighted.

See Appendix 6H-17 for explanation of data validation flags.

1 Alaska Administrative Code 18 Chapter 70 (18 AAC 70) Water Quality Standards (fresh water use for growth and propagation of fish, shellfish, other aquatic life, and wildlife).

2 Alaska Water Quality Criteria Manual for Toxic and Other Deleterious Organic and Inorganic Substances (aquatic life fresh water chronic).

3 Chromium III

4 Criteria are in the dissolved form. Total recoverable criteria shown in the Water Quality Manual are for calculation purposes only.

5 Ammonia varies based on pH and temperature. For pH of 6.5 and temperature of 16, ammonia criteria is 6.06 mg-N/L.

6 Criteria is 25 NTUs above natural conditions.

°C = degrees Celsius

ADEC = Alaska Department of Environmental Conservation

mg/L = milligrams per liter

µg/L = micrograms per liter

µmhos/cm = micromhos per centimeter

mS/cm = milliSiemens per centimeter

ND = not detected

NA = not available

NE = not established

NTU = nephelometric turbidity units

**TABLE 6H-6**
**2004 Validated Analytical Results - No-Name Creek (GS-17A), West Fork of Eagle Bay Creek**

| Parameter | Method | Units | ADEC Criteria[1,2] | 072004GS17ASW001 GS17A | | 081704GS17ASW001 GS17A 8/17/2004 | | 092104GS17ASW001 GS17A 9/21/2004 | | 101704GS17ASW001 GS17A 10/17/2004 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals** | | | | | | | | | | | |
| Aluminum | E200.8 | µg/L | 87 | 19.1 | J | 68.1 | | 37.2 | BQ | 21.8 | BQ |
| Antimony | E200.8 | µg/L | NE | 0.21 | BQ | ND (0.2) | | ND (0.2) | | ND (0.2) | |
| Arsenic | E200.8 | µg/L | NE | ND (0.25) | | ND (0.5) | | ND (0.5) | | 0.272 | |
| Barium | E200.8 | µg/L | NE | 4.12 | | 4.23 | | 4.88 | | 7.13 | |
| Beryllium | E200.8 | µg/L | NE | ND (0.015) | | ND (0.03) | | ND (0.03) | | ND (0.03) | |
| Bismuth | E200.8 | µg/L | NE | ND (1.5) | | ND (5) | | ND (5) | | ND (5) | |
| Boron | E200.7 | µg/L | NE | ND (3.1) | | ND (10) | | ND (10) | | ND (10) | |
| Cadmium | E200.8 | µg/L | 0.1-0.76 | 0.0604 | J | ND (0.1) | | ND (0.1) | | ND (0.1) | |
| Calcium | E200.8 | µg/L | NE | 8550 | | 9220 | | 10200 | | 9620 | |
| Chromium[3,4] | E200.8 | µg/L | 28-270 | 0.16 | J | 0.152 | J, BQ1 | 0.445 | | 0.269 | |
| Cobalt | E200.8 | µg/L | NE | ND (0.31) | | 0.0483 | J | 0.0419 | J | 0.038 | |
| Copper [4] | E200.8 | µg/L | 2.9-30 | 1.04 | | 0.365 | | 0.368 | BQ1 | 0.573 | |
| Iron | E200.8 | µg/L | 1,000 | 18.00 | J | 67.1 | | 45 | | 15.8 | |
| Lead [4] | E200.8 | µg/L | 0.54-19 | 0.294 | | ND (0.2) | | 0.121 | J, BQ1 | 0.17 | |
| Magnesium | E200.8 | µg/L | NE | 764 | | 725 | | 817 | | 953 | |
| Manganese | E200.8 | µg/L | NE | 2.42 | | 4.15 | | 5.72 | | 1.66 | |
| Mercury | E1631 | µg/L | 0.77 | 0.0005 | J, J-, BQ1 | 0.0007 | J, J-, BQ1 | 0.0003 | BQ1 | 0.001 | BQ1 |
| Molybdenum | E200.8 | µg/L | NE | 0.464 J | J | 0.55 | J | 0.535 | J | 0.517 | |
| Nickel [4] | E200.8 | µg/L | 16-170 | 0.277 | | 0.317 | | 0.294 | BQ1 | 0.285 | |
| Potassium | E200.8 | µg/L | NE | 227 | | 229 | | 243 | BQ1 | 190 | |
| Selenium [4] | E200.8 | µg/L | 5 | ND (0.31) | | ND (1) | | ND (1) | | ND (1) | |
| Silver | E200.8 | µg/L | NE | ND (0.0062) | | ND (0.02) | | ND (0.02) | | ND (0.02) | |
| Sodium | E200.8 | µg/L | NE | 1520 | | 1520 | | 1560 | | 1520 | |
| Thallium | E200.8 | µg/L | NE | ND (0.025) | | ND (0.05) | | ND (0.05) | | ND (0.05) | |
| Tin | E200.8 | µg/L | NE | ND (0.31) | | ND (1) | J- | ND (1) | | ND (1) | |
| Vanadium | E200.8 | µg/L | NE | 0.324 | J | 0.439 | | ND (0.4) | | ND (0.4) | |
| Zinc [4] | E200.8 | µg/L | 37-390 | 3.67 | | 1.49 | J | 1.87 | BQ1 | 3.78 | |
| **Dissolved Metals** | | | | | | | | | | | |
| Aluminum | E200.8 | µg/L | NE | 11.7 | J | 14 | J, BQ | 8.72 | J | 8.22 | BQ |
| Antimony | E200.8 | µg/L | NE | 0.124 | J, BQ | ND (0.2) | | ND (0.2) | | ND (0.2) | |
| Arsenic | E200.8 | µg/L | 150 | ND (0.25) | | ND (0.5) | | 0.258 | J | ND (0.5) | |
| Barium | E200.8 | µg/L | NE | 3.77 | | 3.82 | | 4.13 | | 7.24 | |
| Beryllium | E200.8 | µg/L | NE | ND (0.015) | | ND (0.03) | | ND (0.03) | | ND (0.03) | |
| Bismuth | E200.8 | µg/L | NE | ND (1.5) | | ND (5) | | ND (5) | | ND (5) | |
| Boron | E200.7 | µg/L | NE | ND (3.1) | | ND (10) | | ND (10) | | ND (10) | |
| Cadmium | E200.8 | µg/L | 0.094-0.64 | 0.064 | J | ND (0.1) | | ND (0.1) | | ND (0.1) | |
| Calcium | E200.8 | µg/L | NE | 8330 | | 8890 | | 9180 | | 9470 | |
| Chromium[3,4] | E200.8 | µg/L | 24-230 | 0.171 | J | 0.305 | BQ1 | 0.226 | | 0.185 | |
| Cobalt | E200.8 | µg/L | NE | ND (0.031) | | 0.0335 | J | ND (0.1) | | 0.0376 | |
| Copper [4] | E200.8 | µg/L | 2.7-29 | 0.565 | | 0.2 | BQ1 | 0.231 | BQ1 | 0.526 | |
| Iron | E200.8 | µg/L | NE | 8.37 | J | 11.2 | J | 13 | J, BQ | ND (20) | |
| Lead [4] | E200.8 | µg/L | 0.54-11 | 0.198 | J | ND (0.2) | | 0.116 | J, BQ1 | 0.176 | |
| Magnesium | E200.8 | µg/L | NE | 764 | | 770 | | 888 | | 929 | |
| Manganese | E200.8 | µg/L | NE | 1.94 | | 2.94 | | 4.59 | | 1.43 | |
| Molybdenum | E200.8 | µg/L | NE | 0.559 | J | 0.567 | J | 0.497 | J | 0.504 | |
| Nickel [4] | E200.8 | µg/L | 16-170 | 0.329 | | 0.303 | BQ1 | 0.433 | BQ1 | 0.337 | |

| Parameter | Method | Units | ADEC Criteria[1,2] | 072004GS17ASW001 GS17A | | 081704GS17ASW001 GS17A 8/17/2004 | | 092104GS17ASW001 GS17A 9/21/2004 | | 101704GS17ASW001 GS17A 10/17/2004 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Potassium | E200.8 | µg/L | NE | 193 | | 242 | | 233 | BQ1 | 190 | |
| Selenium [4] | E200.8 | µg/L | 4.6 | ND (0.31) | | ND (1) | | ND (1) | | ND (1) | |
| Silicon | E200.7 | µg/L | NE | 3280 | | 3500 | | 3620 | | 3620 | |
| Silver | E200.8 | µg/L | NE | ND (0.0062) | | ND (0.02) | | ND (0.02) | | ND (0.02) | |
| Sodium | E200.8 | µg/L | NE | 1470 | | 1540 | | 1720 | | 1520 | |
| Thallium | E200.8 | µg/L | NE | ND (0.025) | | ND (0.05) | | ND (0.05) | | ND (0.05) | |
| Tin | E200.8 | µg/L | NE | ND (0.31) | | ND (1) | | ND (1) | | ND (1) | |
| Vanadium | E200.8 | µg/L | NE | 0.325 | J | ND (0.4) | | ND (0.4) | | ND (0.4) | |
| Zinc [4] | E200.8 | µg/L | 36-380 | 1.1 | J | 0.934 | J, BQ1 | 1.54 | BQ1 | 4.73 | |
| **Other Parameters** | | | | | | | | | | | |
| Acidity, Total | E305.2 | mg/L | NE | ND (3.14) | | 3.6 | J | ND (10) | | 4.2 | |
| Alkalinity, Total | A2320B | mg/L | 20 | 22 | | 22 | | 25.5 | | 25 | |
| Chloride | E300.0 | mg/L | 230 | 0.944 | | 0.995 | | 1.07 | | 0.999 | |
| Cyanide | A4500CN | mg/L | 5.2 | ND (0.0025) | | ND (0.005) | | 0.0035 | J, BQ | 0.0061 | |
| Cyanide, Weak Acid Dissociable | A4500CN | mg/L | NE | ND (0.0025) | | ND (0.005) | | ND (0.005) | | 0.0026 | |
| Fluoride | E300.0 | mg/L | NE | 0.035 | J | 0.049 | J | ND (0.1) | | ND (0.1) | J- |
| Hardness (total) | A2340B | mg/L | NE | 24.5 | | 26 | | 28.9 | | 27.9 | |
| Hardness (dissolved) | A2340B | mg/L | NE | 24 | | 25.4 | | 26.6 | | | |
| Nitrogen, Ammonia (as N) [5] | A4500NH | mg/L | 6.06 mg-N/L | ND (0.031) | | ND (0.1) | | 0.055 | J | ND (0.1) | |
| Nitrogen, Nitrate-Nitrate | E300.0 | mg/L | NE | 0.64 | J | 0.58 | J | ND (1) | R | 0.82 | |
| pH | E150.1 | pH Units | 6.5-8.5 | 7.03 | | 6.9 | | 6.8 | | 6.84 | |
| Phosphorus, Total (as P) | E365.2 | mg/L | NE | ND (0.031) | | ND (0.1) | | 0.04 | J | ND (0.1) | |
| Specific Conductance | A2510B | µmhos/cm | NE | 70 | | 70 | | 70 | | 85 | |
| Sulfates | E300.0 | mg/L | NE | 6.5 | | 6.48 | J+ | 7.21 | | 10.5 | |
| Thiocyanate | A4500M | mg/L | NE | ND (0.13) | | ND (1) | | 0.29 | | 0.66 | |
| Total Dissolved Solids | A2540C | mg/L | 1,000 | 70 | | 53.8 | | 23.8 | | 62.5 | |
| Total Suspended Solids | EPA 160.2 | mg/L | NE | 1.5 | | 2.7 | | 1.7 | | 0.4 | |
| **Field Measurements** | | | | | | | | | | | |
| Conductivity | Field | mS/cm | NE | 0.049 | | 0.053 | | 0.053 | | 0.05 | |
| Dissolved Oxygen | Field | mg/L | 7-17 | 15.22 | | 14.9 | | 14.09 | | 13.8 | |
| pH | Field | pH units | 6.5-8.5 | 6.3 | | 6.4 | | 6.44 | | 6.9 | |
| Turbidity [6] | Field | NTU | 25 | 1.0 | | 204 | | 192 | | 18 | |
| Temperature | Field | °C | 13-20 | 10.3 | | 8.8 | | 7.1 | | 3 | |

Concentrations that exceed the ADEC criteria are highlighted.

See Appendix 6H-17 for explanation of data validation flags.

1 Alaska Administrative Code 18 Chapter 70 (18 AAC 70) Water Quality Standards (fresh water use for growth and propagation of fish, shellfish, other aquatic life, and wildlife).

2 Alaska Water Quality Criteria Manual for Toxic and Other Deleterious Organic and Inorganic Substances (aquatic life fresh water chronic).

3 Chromium III

4 Criteria are in the dissolved form. Total recoverable criteria shown in the Water Quality Manual are for calculation purposes only.

5 Ammonia varies based on pH and temperature. For pH of 6.5 and temperature of 16, ammonia criteria is 6.06 mg-N/L.

6 Criteria is 25 NTUs above natural conditions.

°C = degrees Celsius

ADEC = Alaska Department of Environmental Conservation

mg/L = milligrams per liter

µg/L = micrograms per liter

µmhos/cm = micromhos per centimeter

mS/cm = milliSiemens per centimeter

ND = not detected

NA = not available

NE = not established

NTU = nephelometric turbidity units

**TABLE 6H-7**
**2004 Validated Analytical Results - No-Name Creek (GS-14A) East Fork Chekok Bay Trib.**

| Parameter | Method | Units | ADEC Criteria[1,2] | 072004GS14ASW001 GS14A | | 081704GS14ASW001 GS14A 8/17/2004 | | 092204GS14ASW001 GS14A 9/22/2004 | | 101704GS14ASW001 GS14A 10/17/2004 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals** | | | | | | | | | | | |
| Aluminum | E200.8 | µg/L | 87 | 170 | | 37 | | 925 | | 52.8 | |
| Antimony | E200.8 | µg/L | NE | 0.105 | J, BQ | ND (0.2) | | ND (0.2) | | ND (0.2) | |
| Arsenic | E200.8 | µg/L | NE | 1.05 | | 0.511 | | 3.05 | | 0.707 | |
| Barium | E200.8 | µg/L | NE | 6.07 | | 4.33 | | 13.5 | | 3.45 | |
| Beryllium | E200.8 | µg/L | NE | ND (0.015) | | ND (0.03) | | 0.0251 | J | ND (0.03) | |
| Bismuth | E200.8 | µg/L | NE | ND(1.5) | | ND (5) | | ND (5) | | ND (5) | |
| Boron | E200.7 | µg/L | NE | 3.1 | J | 6.5 | J | ND (10) | | ND (10) | |
| Cadmium | E200.8 | µg/L | 0.1-0.76 | 0.104 | | ND (0.1) | | 0.0314 | J | ND (0.1) | |
| Calcium | E200.8 | µg/L | NE | 7190 | | 7820 | | 6810 | | 5170 | |
| Chromium[3,4] | E200.8 | µg/L | 28-270 | 0.322 | | ND (0.2) | | 0.687 | | 0.221 | |
| Cobalt | E200.8 | µg/L | NE | 0.0713 | J | 0.0404 | J | 0.367 | | 0.0529 | |
| Copper [4] | E200.8 | µg/L | 2.9-30 | 2 | | 0.276 | | 1.12 | | 1.37 | |
| Iron | E200.8 | µg/L | 1,000 | 255 | | 50.6 | | 2110 | | 73.6 | |
| Lead [4] | E200.8 | µg/L | 0.54-19 | 0.541 | | ND (0.2) | | 1.06 | | 0.184 | |
| Magnesium | E200.8 | µg/L | NE | 1040 | | 1060 | | 1100 | | 715 | |
| Manganese | E200.8 | µg/L | NE | 18.6 | | 5.63 | | 156 | | 4.87 | |
| Mercury | E1631 | µg/L | 0.77 | 0.0011 | J- | 0.0011 | J-, BQ1 | 0.0063 | BQ1 | 0.0017 | BQ1 |
| Molybdenum | E200.8 | µg/L | NE | 0.627 | J | 0.837 | J | 0.422 | J | 0.545 | |
| Nickel [4] | E200.8 | µg/L | 16-170 | 0.322 | | 0.252 | J | 0.503 | BQ1 | 0.224 | |
| Potassium | E200.8 | µg/L | NE | 257 | | 254 | | 655 | BQ1 | 172 | |
| Selenium [4] | E200.8 | µg/L | 5 | ND (0.31) | | ND (1) | | ND (1) | | ND (1) | |
| Silver | E200.8 | µg/L | NE | ND (0.0062) | | ND (0.02) | | ND (0.02) | | ND (0.02) | |
| Sodium | E200.8 | µg/L | NE | 2260 | | 2360 | | 2160 | | 1740 | |
| Thallium | E200.8 | µg/L | NE | ND (0.025) | | ND (0.05) | | ND (0.05) | | ND (0.05) | |
| Tin | E200.8 | µg/L | NE | ND (0.31) | | ND (1) | J- | ND (1) | | ND (1) | |
| Vanadium | E200.8 | µg/L | NE | 0.72 | | 0.5 | | 3.22 | | ND (0.4) | |
| Zinc [4] | E200.8 | µg/L | 37-390 | 8.23 | | 1.24 | J | 6.46 | BQ1 | 3.93 | |
| **Dissolved Metals** | | | | | | | | | | | |
| Aluminum | E200.8 | µg/L | NE | 15.7 | J | 11.2 | J | 46.7 | J, BQ | 16.1 | |
| Antimony | E200.8 | µg/L | NE | ND (0.077) | | ND (0.2) | | ND (0.2) | | ND (0.2) | |
| Arsenic | E200.8 | µg/L | 150 | 0.632 | | 0.521 | | 0.59 | | 0.547 | |
| Barium | E200.8 | µg/L | NE | 3.89 | | 3.81 | | 4.41 | | 3.09 | |
| Beryllium | E200.8 | µg/L | NE | ND (0.015) | | ND (0.03) | | ND (0.03) | | ND (0.03) | |
| Bismuth | E200.8 | µg/L | NE | ND (1.5) | | ND (5) | | ND (5) | | ND (5) | |
| Boron | E200.7 | µg/L | NE | ND (3.1) | | ND (10) | | ND (10) | | ND (10) | |
| Cadmium | E200.8 | µg/L | 0.094-0.64 | 0.0404 | J | ND (0.1) | | ND (0.1) | | ND (0.1) | |
| Calcium | E200.8 | µg/L | NE | 6800 | | 7730 | | 6340 | | 5340 | |
| Chromium[3,4] | E200.8 | µg/L | 24-230 | ND (0.1) | | 0.126 | J, BQ1 | 0.274 | | 0.218 | |
| Cobalt | E200.8 | µg/L | NE | 0.0501 | J | ND (0.1) | | 0.0495 | J | 0.0407 | |
| Copper [4] | E200.8 | µg/L | 2.7-29 | 0.804 | | 0.327 | BQ1 | 0.478 | BQ1 | 0.395 | |
| Iron | E200.8 | µg/L | NE | 17.4 | J | 17.9 | J | 192 | | 35.4 | |
| Lead [4] | E200.8 | µg/L | 0.54-11 | 0.187 | J | 0.102 | J, BQ1 | 0.33 | BQ1 | 0.117 | |
| Magnesium | E200.8 | µg/L | NE | 1010 | | 1070 | | 1020 | | 736 | |
| Manganese | E200.8 | µg/L | NE | 2.26 | | 3.02 | | 9.03 | | 2.51 | |
| Molybdenum | E200.8 | µg/L | NE | 0.778 | J | 0.821 | J | 0.448 | J | 0.517 | |
| Nickel [4] | E200.8 | µg/L | 16-170 | 0.411 | | 0.474 | J | 0.33 | BQ1 | 0.29 | |
| Potassium | E200.8 | µg/L | NE | 205 | | 245 | | 610 | BQ1 | 180 | |
| Selenium [4] | E200.8 | µg/L | 4.6 | ND (0.31) | | ND (1) | | ND (1) | | ND (1) | |

| Parameter | Method | Units | ADEC Criteria[1,2] | 072004GS14ASW001 GS14A | | 081704GS14ASW001 GS14A 8/17/2004 | | 092204GS14ASW001 GS14A 9/22/2004 | | 101704GS14ASW001 GS14A 10/17/2004 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Silicon | E200.7 | µg/L | NE | 5660 | | 5550 | | 4890 | | 5010 | |
| Silver | E200.8 | µg/L | NE | ND (0.0062) | | ND (0.02) | | ND (0.02) | | ND (0.02) | |
| Sodium | E200.8 | µg/L | NE | 2280 | | 2340 | | 2130 | | 1800 | |
| Thallium | E200.8 | µg/L | NE | ND (0.025) | | ND (0.05) | | ND (0.05) | | ND (0.05) | |
| Tin | E200.8 | µg/L | NE | ND (0.31) | | ND (1) | J- | ND (1) | | ND (1) | |
| Vanadium | E200.8 | µg/L | NE | 0.392 | J | 0.354 | J | 0.471 | BQ1 | 0.336 | |
| Zinc [4] | E200.8 | µg/L | 36-380 | 2.18 | | 0.917 | J, BQ1 | 2.22 | BQ1 | 2.5 | |
| **Other Parameters** | | | | | | | | | | | |
| Acidity, Total | E305.2 | mg/L | NE | ND (3.14) | | 3.2 | J | ND (10) | | ND (10) | |
| Alkalinity, Total | A2320B | mg/L | 20 | 26.5 | | 27.5 | | 21 | | 17 | |
| Chloride | E300.0 | mg/L | 230 | 1.07 | | 1.01 | | 2.33 | | 1.17 | |
| Cyanide | A4500CN | mg/L | 5.2 | ND (0.0025) | | ND (0.005) | | 0.004 | J, BQ | 0.0061 | |
| Cyanide, Weak Acid Dissociable | A4500CN | mg/L | NE | 0.005 | J | ND (0.005) | | ND (0.005) | | 0.004 | |
| Fluoride | E300.0 | mg/L | NE | 0.076 | J | 0.102 | | ND (0.1) | | ND (0.1) | J- |
| Hardness (total) | A2340B | mg/L | NE | 22.2 | | 23.9 | | 21.5 | | 15.9 | |
| Hardness (dissolved) | A2340B | mg/L | NE | 21.1 | | 23.7 | | 20 | | | |
| Nitrogen, Ammonia (as N) [5] | A4500NH | mg/L | 6.06 mg-N/L | ND (0.031) | | 0.226 | | 0.077 | J, BQ | ND (0.1) | |
| Nitrogen, Nitrate-Nitrate | E300.0 | mg/L | NE | ND (0.31) | | 0.72 | J | 1.3 | J- | ND (1) | |
| pH | E150.1 | pH Units | 6.5-8.5 | 6.67 | | 6.93 | | 6.72 | | 6.86 | |
| Phosphorus, Total (as P) | E365.2 | mg/L | NE | ND (0.031) | | 0.0326 | J | 0.11 | | ND (0.1) | |
| Specific Conductance | A2510B | µmhos/cm | NE | 60 | | 70 | | 60 | | 48 | |
| Sulfates | E300.0 | mg/L | NE | 2.5 | | 2.7 | J+ | 2.92 | | 2.7 | |
| Thiocyanate | A4500M | mg/L | NE | ND (0.13) | | ND (1) | | 0.6 | | 0.2 | |
| Total Dissolved Solids | A2540C | mg/L | 1,000 | 100 | | 53.8 | | 48.8 | | 40 | |
| Total Suspended Solids | EPA 160.2 | mg/L | NE | 8.4 | | 3.5 | | 56 | | 1.4 | |
| **Field Measurements** | | | | | | | | | | | |
| Conductivity | Field | mS/cm | NE | 0.098 | | 0.074 | | 0.067 | | 0.04 | |
| Dissolved Oxygen | Field | mg/L | 7-17 | 13.79 | | 13.8 | | 13.3 | | 10.2 | |
| pH | Field | pH units | 6.5-8.5 | 6.04 | | 6.8 | | 5.76 | | 6.8 | |
| Turbidity [6] | Field | NTU | 25 | 221 | | 79 | | 10 | | 18 | |
| Temperature | Field | °C | 13-20 | 10.9 | | 11.5 | | 6.9 | | 2 | |

Concentrations that exceed the ADEC criteria are highlighted.

See Appendix 6H-17 for explanation of data validation flags.

1 Alaska Administrative Code 18 Chapter 70 (18 AAC 70) Water Quality Standards (fresh water use for growth and propagation of fish, shellfish, other aquatic life, and wildlife).

2 Alaska Water Quality Criteria Manual for Toxic and Other Deleterious Organic and Inorganic Substances (aquatic life fresh water chronic).

3 Chromium III

4 Criteria are in the dissolved form. Total recoverable criteria shown in the Water Quality Manual are for calculation purposes only.

5 Ammonia varies based on pH and temperature. For pH of 6.5 and temperature of 16, ammonia criteria is 6.06 mg-N/L.

6 Criteria is 25 NTUs above natural conditions.

°C = degrees Celsius

ADEC = Alaska Department of Environmental Conservation

mg/L = milligrams per liter

µg/L = micrograms per liter

µmhos/cm = micromhos per centimeter

mS/cm = milliSiemens per centimeter

ND = not detected

NA = not available

NE = not established

NTU = nephelometric turbidity units

**TABLE 6H-8**
**2004 Validated Analytical Results - No-Name Creek (GS-14B) West Fork Chekok Bay Trib.**

| Parameter | Method | Units | ADEC Criteria[1,2] | 072304GS14BSW001 GS14B 7/23/2004 | | 081704GS14BSW001 GS14B 8/17/2004 | | 092204GS14BSW001 GS14B 9/22/2004 | | 101704GS14BSW001 GS14B 10/17/2004 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals** | | | | | | | | | | | |
| Aluminum | E200.8 | µg/L | 87 | 613 | | 36.7 | | 644 | | 42.1 | |
| Antimony | E200.8 | µg/L | NE | 0.519 | | ND(0.2) | | ND(0.2) | | ND(0.2) | |
| Arsenic | E200.8 | µg/L | NE | 0.914 | | ND (0.5) | | 0.784 | | 0.408 | |
| Barium | E200.8 | µg/L | NE | 6.95 | | 2.04 | | 5.15 | | 1.57 | |
| Beryllium | E200.8 | µg/L | NE | ND (0.0159) | J | ND (0.03) | | 0.0152 | J | ND (0.03) | |
| Bismuth | E200.8 | µg/L | NE | ND (1.5) | | ND (5) | | ND (5) | | ND (5) | |
| Boron | E200.7 | µg/L | NE | ND (3.1) | | ND (10) | | ND (10) | | ND (10) | |
| Cadmium | E200.8 | µg/L | 0.1-0.76 | ND (0.031) | | ND (0.1) | | ND (0.1) | | ND (0.1) | |
| Calcium | E200.8 | µg/L | NE | 6790 | | 7070 | | 6870 | | 5230 | |
| Chromium[3,4] | E200.8 | µg/L | 28-270 | 0.36 | | ND (0.2) | | 0.456 | | 1.43 | |
| Cobalt | E200.8 | µg/L | NE | 0.18 | | 0.0351 | J | 0.216 | | 0.114 | |
| Copper [4] | E200.8 | µg/L | 2.9-30 | 0.92 | | 0.37 | | 0.915 | | 0.907 | |
| Iron | E200.8 | µg/L | 1,000 | 810.00 | | 51.2 | | 999 | | 88.9 | |
| Lead [4] | E200.8 | µg/L | 0.54-19 | 0.272 | | ND (0.2) | | 0.365 | BQ1 | ND (0.2) | |
| Magnesium | E200.8 | µg/L | NE | 1310 | | 1210 | | 1340 | | 982 | |
| Manganese | E200.8 | µg/L | NE | 36.9 | | 5.27 | | 61.1 | | 3.69 | |
| Mercury | E1631 | µg/L | 0.77 | 0.0024 | | 0.0024 | J-, BQ1 | 0.0041 | BQ1 | 0.001 | BQ1 |
| Molybdenum | E200.8 | µg/L | NE | 0.582 | J | 0.47 | J | ND (1) | | 0.511 | |
| Nickel [4] | E200.8 | µg/L | 16-170 | 0.36 | | 0.271 | | 0.389 | BQ1 | 0.239 | |
| Potassium | E200.8 | µg/L | NE | 321 | | 312 | | 535 | BQ1 | 185 | |
| Selenium [4] | E200.8 | µg/L | 5 | ND (0.31) | | ND (1) | | ND (1) | | ND (1) | |
| Silver | E200.8 | µg/L | NE | ND (0.0062) | | ND (0.02) | | ND (0.02) | | ND (0.02) | |
| Sodium | E200.8 | µg/L | NE | 2750 | | 2550 | | 3070 | | 2130 | |
| Thallium | E200.8 | µg/L | NE | ND (0.025) | | ND (0.05) | | ND (0.05) | | ND (0.05) | |
| Tin | E200.8 | µg/L | NE | ND (0.31) | | ND (1) | J- | ND (1) | | ND (1) | |
| Vanadium | E200.8 | µg/L | NE | 1.6 | | 62.5 | | 1.81 | | ND (0.4) | |
| Zinc [4] | E200.8 | µg/L | 37-390 | 2.85 | | 2.4 | | 4.29 | J, BQ1 | 1.83 | |
| **Dissolved Metals** | | | | | | | | | | | |
| Aluminum | E200.8 | µg/L | NE | 23.9 | J, BQ | 10.7 | J | 28.7 | J, BQ | 23.3 | |
| Antimony | E200.8 | µg/L | NE | ND (0.077) | | ND (0.2) | | ND (0.2) | | ND (0.2) | |
| Arsenic | E200.8 | µg/L | 150 | ND (0.25) | | ND (0.5) | | ND (0.5) | | ND (0.5) | |
| Barium | E200.8 | µg/L | NE | 2.2 | | 1.88 | | 1.66 | | 1.4 | |
| Beryllium | E200.8 | µg/L | NE | ND (0.015) | | ND (0.03) | | ND (0.03) | | ND (0.03) | |
| Bismuth | E200.8 | µg/L | NE | ND (1.5) | | ND (5) | | ND (5) | | ND (5) | |
| Boron | E200.7 | µg/L | NE | ND (3.1) | | ND (10) | | ND (10) | | ND (10) | |
| Cadmium | E200.8 | µg/L | 0.094-0.64 | ND (0.031) | | ND (0.1) | | ND (0.1) | | ND (0.1) | |
| Calcium | E200.8 | µg/L | NE | 6260 | | 7270 | | 5990 | | 5460 | |
| Chromium[3,4] | E200.8 | µg/L | 24-230 | ND (0.1) | | 0.175 | J, BQ1 | 0.201 | | 0.182 | |
| Cobalt | E200.8 | µg/L | NE | 0.032 | J | 0.0323 | J | ND (0.1) | | 0.0696 | |
| Copper [4] | E200.8 | µg/L | 2.7-29 | 0.534 | | 0.345 | BQ1 | 0.281 | BQ1 | 0.585 | |
| Iron | E200.8 | µg/L | NE | 24 | | 19.6 | J | 80.4 | | 44 | |
| Lead [4] | E200.8 | µg/L | 0.54-11 | 0.16 | J | 0.135 | J, BQ1 | 0.156 | J, BQ1 | 0.119 | |
| Magnesium | E200.8 | µg/L | NE | 1060 | | 1270 | | 1190 | | 973 | |
| Manganese | E200.8 | µg/L | NE | 2.94 | | 4.32 | | 6.63 | | 2.48 | |
| Molybdenum | E200.8 | µg/L | NE | 0.585 | J | 0.531 | J | 0.395 | J | 0.478 | |
| Nickel [4] | E200.8 | µg/L | 16-170 | 0.327 | | 0.311 | BQ1 | 0.302 | BQ1 | 0.349 | |
| Potassium | E200.8 | µg/L | NE | 259 | | 328 | | 430 | BQ1 | 198 | |

| Parameter | Method | Units | ADEC Criteria[1,2] | 072304GS14BSW001 GS14B 7/23/2004 | | 081704GS14BSW001 GS14B 8/17/2004 | | 092204GS14BSW001 GS14B 9/22/2004 | | 101704GS14BSW001 GS14B 10/17/2004 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Selenium [4] | E200.8 | µg/L | 4.6 | ND (0.31) | | ND (1) | | ND (1) | | ND (1) | |
| Silicon | E200.7 | µg/L | NE | 6290 | | 6170 | | 6060 | | 5770 | |
| Silver | E200.8 | µg/L | NE | ND (0.0062) | | ND (0.02) | | ND (0.02) | | ND (0.02) | |
| Sodium | E200.8 | µg/L | NE | 2650 | | 2620 | | 2990 | | 2090 | |
| Thallium | E200.8 | µg/L | NE | ND (0.025) | | ND (0.05) | | ND (0.05) | | ND (0.05) | |
| Tin | E200.8 | µg/L | NE | ND (0.31) | | ND (1) | J- | ND (1) | | ND (1) | |
| Vanadium | E200.8 | µg/L | NE | 0.351 | J | 0.423 | | 0.254 | J, BQ1 | ND (0.4) | |
| Zinc [4] | E200.8 | µg/L | 36-380 | 2.61 | | 1.67 | | 2.18 | J, BQ1 | 1.82 | |
| **Other Parameters** | | | | | | | | | | | |
| Acidity, Total | E305.2 | mg/L | NE | 4 | J | 3.8 | J | 4.5 | J | ND (10) | |
| Alkalinity, Total | A2320B | mg/L | 20 | 25.5 | | 25.5 | | 23.3 | | 20 | |
| Chloride | E300.0 | mg/L | 230 | 0.984 | | 1.04 | | 1.82 | | 1.49 | |
| Cyanide | A4500CN | mg/L | 5.2 | 0.0066 | | ND (0.005) | | 0.004 | J, BQ | 0.0058 | |
| Cyanide, Weak Acid Dissociable | A4500CN | mg/L | NE | 0.0077 | | ND (0.005) | | ND (0.005) | | 0.003 | |
| Fluoride | E300.0 | mg/L | NE | 0.106 | | 0.039 | J | ND (0.1) | | ND (0.1) | J- |
| Hardness (total) | A2340B | mg/L | NE | 22.4 | | 22.6 | | 22.7 | | 17.1 | |
| Hardness (dissolved) | A2340B | mg/L | NE | 20 | | 23.4 | | 19.9 | | | |
| Nitrogen, Ammonia (as N) [5] | A4500NH | mg/L | 6.06 mg-N/L | 0.189 | BQ | 0.464 | | ND (0.1) | | ND (0.1) | |
| Nitrogen, Nitrate-Nitrate | E300.0 | mg/L | NE | 5.08 | | 0.67 | J | 1.19 | J- | ND (1) | |
| pH | E150.1 | pH Units | 6.5-8.5 | 6.68 | | 6.98 | | 6.67 | | 6.86 | |
| Phosphorus, Total (as P) | E365.2 | mg/L | NE | 0.189 | | 0.0619 | J | 0.23 | | ND (0.1) | |
| Specific Conductance | A2510B | µmhos/cm | NE | 70 | | 70 | | 60 | | 55 | |
| Sulfates | E300.0 | mg/L | NE | 3.15 | | 3.36 | J+ | 3.37 | | 3.36 | |
| Thiocyanate | A4500M | mg/L | NE | ND (0.13) | | ND (1) | | 0.51 | | 0.2 | |
| Total Dissolved Solids | A2540C | mg/L | 1,000 | 50 | | 62.5 | | 57.5 | | 50 | J- |
| Total Suspended Solids | EPA 160.2 | mg/L | NE | 31.8 | | 2.4 | | 51.6 | | 0.9 | |
| **Field Measurements** | | | | | | | | | | | |
| Conductivity | Field | mS/cm | NE | NR | | 0.054 | | 0.05 | | 0.07 | |
| Dissolved Oxygen | Field | mg/L | 7-17 | NR | | 13.4 | | 13.15 | | 13.2 | |
| pH | Field | pH units | 6.5-8.5 | NR | | 7.5 | | 6.34 | | 5.4 | |
| Turbidity [6] | Field | NTU | 25 | NR | | 48 | | 10 | | 18 | |
| Temperature | Field | °C | 13-20 | 10.4 | | 12.4 | | 7.1 | | 2 | |

Concentrations that exceed the ADEC criteria are highlighted.

See Appendix 6H-17 for explanation of data validation flags.

1 Alaska Administrative Code 18 Chapter 70 (18 AAC 70) Water Quality Standards (fresh water use for growth and propagation of fish, shellfish, other aquatic life, and wildlife).

2 Alaska Water Quality Criteria Manual for Toxic and Other Deleterious Organic and Inorganic Substances (aquatic life fresh water chronic).

3 Chromium III

4 Criteria are in the dissolved form. Total recoverable criteria shown in the Water Quality Manual are for calculation purposes only.

5 Ammonia varies based on pH and temperature. For pH of 6.5 and temperature of 16, ammonia criteria is 6.06 mg-N/L.

6 Criteria is 25 NTUs above natural conditions.

°C = degrees Celsius

ADEC = Alaska Department of Environmental Conservation

mg/L = milligrams per liter

µg/L = micrograms per liter

µmhos/cm = micromhos per centimeter

mS/cm = milliSiemens per centimeter

ND = not detected

NA = not available

NE = not established

NTU = nephelometric turbidity units

**TABLE 6H-9**
**2004 Validated Analytical Results - Chekok Creek (GS-12A)**

| Parameter | Method | Units | ADEC Criteria[1,2] | 080104GS12ASW001 GS12A 8/10/2004 | | 081704GS12ASW001 GS12A 8/17/2004 | | 092204GS12ASW001 GS12A 9/22/2004 | | 101604GS12ASW001 GS12A 10/16/2004 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals** | | | | | | | | | | | |
| Aluminum | E200.8 | µg/L | 87 | 64.1 | | 52.4 | | 193 | | 50.4 | |
| Antimony | E200.8 | µg/L | NE | 0.0899 | J | ND (0.2) | | ND (0.2) | | ND (0.2) | |
| Arsenic | E200.8 | µg/L | NE | ND (0.25) | | ND (0.5) | | 0.251 | J | ND (0.5) | |
| Barium | E200.8 | µg/L | NE | 1.65 | | 1.9 | | 2.35 | | 1.36 | |
| Beryllium | E200.8 | µg/L | NE | ND (0.015) | | ND (0.03) | | ND (0.03) | | ND (0.03) | |
| Bismuth | E200.8 | µg/L | NE | ND (1.5) | | ND (5) | | ND (5) | | ND (5) | |
| Boron | E200.7 | µg/L | NE | 4.4 | J | 3.2 | J | 8.2 | J | 4.1 | |
| Cadmium | E200.8 | µg/L | 0.1-0.76 | 0.0685 | J, BQ | ND (0.1) | | ND (0.1) | | ND (0.1) | |
| Calcium | E200.8 | µg/L | NE | 4780 | | 6050 | | 4870 | | 4210 | |
| Chromium[3,4] | E200.8 | µg/L | 28-270 | 0.129 | J | ND (0.2) | | 0.212 | | 0.231 | |
| Cobalt | E200.8 | µg/L | NE | ND (0.031) | | 0.038 | J | 0.0935 | J | 0.0367 | |
| Copper [4] | E200.8 | µg/L | 2.9-30 | 0.372 | | 0.705 | | 0.701 | BQ1 | 0.946 | |
| Iron | E200.8 | µg/L | 1,000 | 71.3 | | 47.5 | | 585 | | 52.4 | |
| Lead [4] | E200.8 | µg/L | 0.54-19 | ND (0.1) | | 0.121 | J, J | 0.213 | BQ1 | 0.837 | |
| Magnesium | E200.8 | µg/L | NE | 574 | | 606 | | 669 | | 443 | |
| Manganese | E200.8 | µg/L | NE | 3.48 | | 2.66 | | 19.4 | | 2.61 | |
| Mercury | E1631 | µg/L | 0.77 | 0.0004 | J, BQ1 | 0.0008 | J, J-, BQ1 | 0.0017 | BQ1 | 0.0008 | BQ1 |
| Molybdenum | E200.8 | µg/L | NE | ND (0.31) | | 0.782 | J | 0.493 | J | 0.538 | |
| Nickel [4] | E200.8 | µg/L | 16-170 | 0.146 | J | 0.197 | J | 0.238 | BQ1 | 0.232 | |
| Potassium | E200.8 | µg/L | NE | 170 | | 370 | | 296 | BQ1 | 136 | |
| Selenium [4] | E200.8 | µg/L | 5 | ND (0.31) | | ND (1) | | ND (1) | | ND (1) | |
| Silver | E200.8 | µg/L | NE | ND (0.0062) | | ND (0.02) | | ND (0.02) | | ND (0.02) | |
| Sodium | E200.8 | µg/L | NE | 1800 | | 2450 | | 2150 | | 1490 | |
| Thallium | E200.8 | µg/L | NE | ND (0.025) | | ND (0.05) | | ND (0.05) | | ND (0.05) | |
| Tin | E200.8 | µg/L | NE | ND (0.31) | | ND (1) | J- | ND (1) | | ND (1) | |
| Vanadium | E200.8 | µg/L | NE | 0.359 | J | 0.47 | | 0.673 | BQ1 | 0.308 | |
| Zinc [4] | E200.8 | µg/L | 37-390 | 1.03 | J | 2.78 | | 6.01 | BQ1 | 3.1 | BQ, J |
| **Dissolved Metals** | | | | | | | | | | | |
| Aluminum | E200.8 | µg/L | NE | ND (7.8) | | 16.4 | J | 28.4 | J, BQ | 25.4 | BQ |
| Antimony | E200.8 | µg/L | NE | ND (0.077) | | ND (0.2) | | ND (0.2) | | ND (0.2) | |
| Arsenic | E200.8 | µg/L | 150 | ND (0.25) | | ND (0.5) | | ND (0.5) | | ND (0.5) | |
| Barium | E200.8 | µg/L | NE | 1.31 | | 1.68 | | 1.46 | | 1.38 | |
| Beryllium | E200.8 | µg/L | NE | ND (0.015) | | ND (0.3) | | ND (0.3) | | ND (0.3) | |
| Bismuth | E200.8 | µg/L | NE | ND (1.5) | | ND (5) | | ND (5) | | ND (5) | |
| Boron | E200.7 | µg/L | NE | ND (3.1) | | 3.6 | J | ND (10) | | ND (10) | |
| Cadmium | E200.8 | µg/L | 0.094-0.64 | 0.0609 | J, BQ | ND (0.1) | | ND (0.1) | | ND (0.1) | |
| Calcium | E200.8 | µg/L | NE | 4670 | | 6010 | | 4750 | | 4190 | |
| Chromium[3,4] | E200.8 | µg/L | 24-230 | 0.104 | J | ND (0.2) | | 0.146 | J | 0.271 | |
| Cobalt | E200.8 | µg/L | NE | ND (0.031) | | ND (0.1) | | 0.0317 | J | 0.0706 | |
| Copper [4] | E200.8 | µg/L | 2.7-29 | 0.305 | | 0.646 | BQ1 | 0.422 | BQ1 | 0.63 | |
| Iron | E200.8 | µg/L | NE | 10.7 | J | 10.3 | J | 89.1 | | 18.4 | |
| Lead [4] | E200.8 | µg/L | 0.54-11 | ND (0.1) | | 0.939 | J, BQ1 | 0.163 | J, BQ1 | 0.352 | |
| Magnesium | E200.8 | µg/L | NE | 549 | | 606 | | 625 | | 448 | |
| Manganese | E200.8 | µg/L | NE | 0.912 | J | 1.03 | | 3.61 | | 1.62 | |
| Molybdenum | E200.8 | µg/L | NE | ND (0.31) | | 0.837 | J | 0.612 | J | 0.554 | |
| Nickel [4] | E200.8 | µg/L | 16-170 | 0.225 | | 0.352 | BQ1 | 0.242 | BQ1 | 0.33 | |
| Potassium | E200.8 | µg/L | NE | 165 | | 367 | | 298 | BQ1 | 148 | |

| Parameter | Method | Units | ADEC Criteria[1,2] | 080104GS12ASW001 GS12A 8/10/2004 | | 081704GS12ASW001 GS12A 8/17/2004 | | 092204GS12ASW001 GS12A 9/22/2004 | | 101604GS12ASW001 GS12A 10/16/2004 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Selenium [4] | E200.8 | µg/L | 4.6 | ND (0.31) | | ND (1) | | ND (1) | | ND (1) | |
| Silicon | E200.7 | µg/L | NE | 4670 | | 4850 | | 4820 | | 4250 | |
| Silver | E200.8 | µg/L | NE | ND (0.0062) | | ND (0.02) | | ND (0.02) | | ND (0.02) | |
| Sodium | E200.8 | µg/L | NE | 1760 | | 2300 | | 2120 | | 1710 | |
| Thallium | E200.8 | µg/L | NE | ND (0.025) | | ND (0.05) | | ND (0.05) | | ND (0.05) | |
| Tin | E200.8 | µg/L | NE | ND (0.31) | | ND (1) | J- | ND (1) | | ND (1) | |
| Vanadium | E200.8 | µg/L | NE | ND (0.25) | | 0.337 | J | 0.391 | J, BQ1 | 0.317 | |
| Zinc [4] | E200.8 | µg/L | 36-380 | 1.16 | J | 2.28 | BQ1 | 5.64 | BQ1 | 6.11 | J |
| **Other Parameters** | | | | | | | | | | | |
| Acidity, Total | E305.2 | mg/L | NE | ND (3.14) | | 3.4 | J | ND (10) | | ND (10) | |
| Alkalinity, Total | A2320B | mg/L | 20 | 14.5 | | 16.5 | | 14.75 | | 11 | |
| Chloride | E300.0 | mg/L | 230 | 0.772 | | 0.959 | | 1.38 | | 1.05 | |
| Cyanide | A4500CN | mg/L | 5.2 | ND (0.0025) | | ND (0.05) | | 0.004 | J, BQ | 0.0058 | |
| Cyanide, Weak Acid Dissociable | A4500CN | mg/L | NE | ND (0.0025) | | ND (0.05) | | ND (0.05) | | 0.004 | |
| Fluoride | E300.0 | mg/L | NE | 0.04 | J | 0.082 | J | ND (0.1) | | ND (0.1) | J- |
| Hardness (total) | A2340B | mg/L | NE | 14.3 | | 17.6 | | 14.9 | | 12.3 | |
| Hardness (dissolved) | A2340B | mg/L | NE | 13.9 | | 17.5 | | 14.4 | | | |
| Nitrogen, Ammonia (as N) [5] | A4500NH | mg/L | 6.06 mg-N/L | 0.076 | J | 0.412 | | 0.05 | J, BQ | ND (0.1) | |
| Nitrogen, Nitrate-Nitrate | E300.0 | mg/L | NE | ND (0.31) | | 1.14 | | 3.27 | J- | 0.44 | |
| pH | E150.1 | pH Units | 6.5-8.5 | 7.06 | | 7.02 | | 7.52 | | 6.83 | |
| Phosphorus, Total (as P) | E365.2 | mg/L | NE | ND (0.031) | | 0.111 | | 0.06 | J | ND (0.1) | |
| Specific Conductance | A2510B | µmhos/cm | NE | 43.5 | | 60 | | 38 | | 40 | |
| Sulfates | E300.0 | mg/L | NE | 4.11 | | 4.89 | J+ | 4.98 | | 4.32 | |
| Thiocyanate | A4500M | mg/L | NE | ND (0.13) | | 0.17 | | 1 | | 0.18 | |
| Total Dissolved Solids | A2540C | mg/L | 1,000 | 48.8 | | 52.5 | | 25 | | 45 | |
| Total Suspended Solids | EPA 160.2 | mg/L | NE | 2.3 | | 2.2 | | 8.4 | | 1.3 | |
| **Field Measurements** | | | | | | | | | | | |
| Conductivity | Field | mS/cm | NE | 0.060 | | 0.043 | | 0.036 | | 0.03 | |
| Dissolved Oxygen | Field | mg/L | 7-17 | 12.06 | | 12.8 | | 13.08 | | 15.4 | |
| pH | Field | pH units | 6.5-8.5 | 5.87 | | 7.4 | | 6.49 | | 6.8 | |
| Turbidity [6] | Field | NTU | 25 | 1 | | 86 | | 10 | | 216 | |
| Temperature | Field | °C | 13-20 | 13.0 | | 16.2 | | 8.8 | | 6 | |

Concentrations that exceed the ADEC criteria are highlighted.

See Appendix 6H-17 for explanation of data validation flags.

1 Alaska Administrative Code 18 Chapter 70 (18 AAC 70) Water Quality Standards (fresh water use for growth and propagation of fish, shellfish, other aquatic life, and wildlife).

2 Alaska Water Quality Criteria Manual for Toxic and Other Deleterious Organic and Inorganic Substances (aquatic life fresh water chronic).

3 Chromium III

4 Criteria are in the dissolved form. Total recoverable criteria shown in the Water Quality Manual are for calculation purposes only.

5 Ammonia varies based on pH and temperature. For pH of 6.5 and temperature of 16, ammonia criteria is 6.06 mg-N/L.

6 Criteria is 25 NTUs above natural conditions.

°C = degrees Celsius

ADEC = Alaska Department of Environmental Conservation

mg/L = milligrams per liter

µg/L = micrograms per liter

µmhos/cm = micromhos per centimeter

mS/cm = milliSiemens per centimeter

ND = not detected

NA = not available

NE = not established

NTU = nephelometric turbidity units

**TABLE 6H-10**
**2004 Validated Analytical Results - Canyon Creek (GS-11A)**

| Parameter | Method | Units | ADEC Criteria[1,2] | 072304GS11ASW001 GS11A 7/23/2004 | | 081704GS11ASW001 GS11A 8/17/2004 | | 092304GS11ASW001 GS11A 9/23/2004 | | 101604GS11ASW001 GS11A 10/16/2004 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals** | | | | | | | | | | | |
| Aluminum | E200.8 | µg/L | 87 | 42.1 | BQ | 29.5 | | 42.6 | BQ | 66.1 | |
| Antimony | E200.8 | µg/L | NE | 1.91 | | ND (0.2) | | ND (0.2) | | 0.0925 | |
| Arsenic | E200.8 | µg/L | NE | ND (0.5) | | ND (0.5) | | ND (0.5) | | ND (0.5) | |
| Barium | E200.8 | µg/L | NE | 2.07 | | 2.15 | | 2.06 | | 2.21 | |
| Beryllium | E200.8 | µg/L | NE | ND (0.03) | | ND (0.03) | | ND (0.03) | | ND (0.03) | |
| Bismuth | E200.8 | µg/L | NE | ND (5) | | ND (5) | | ND (5) | | ND (5) | |
| Boron | E200.7 | µg/L | NE | ND (10) | | 4.5 | J | ND (10) | | ND (10) | |
| Cadmium | E200.8 | µg/L | 0.1-0.76 | ND (0.1) | | ND (0.1) | | ND (0.1) | | ND (0.1) | |
| Calcium | E200.8 | µg/L | NE | 3190 | | 3980 | | 3260 | | 3000 | |
| Chromium[3,4] | E200.8 | µg/L | 28-270 | ND (0.2) | | ND (0.2) | | 0.132 | J | ND (0.2) | |
| Cobalt | E200.8 | µg/L | NE | ND (0.1) | | ND (0.1) | | ND (0.1) | | 0.0482 | |
| Copper [4] | E200.8 | µg/L | 2.9-30 | 0.596 | | 0.621 | | 0.433 | BQ1 | 1.91 | |
| Iron | E200.8 | µg/L | 1,000 | 16.4 | J | 9.99 | J | 25.5 | BQ1 | 26 | |
| Lead [4] | E200.8 | µg/L | 0.54-19 | ND (0.2) | | 0.158 | J | ND (0.2) | | 0.188 | |
| Magnesium | E200.8 | µg/L | NE | 215 | | 258 | | 275 | | 226 | |
| Manganese | E200.8 | µg/L | NE | 1.01 | | 0.916 | J | 1.48 | | 1.36 | |
| Mercury | E1631 | µg/L | 0.77 | 0.0008 | J, BQ1 | 0.0008 | J, J-, BQ1 | 0.0005 | BQ1 | 0.0004 | BQ1 |
| Molybdenum | E200.8 | µg/L | NE | 0.978 | J | 1.18 | | 0.927 | J | 0.831 | |
| Nickel [4] | E200.8 | µg/L | 16-170 | 0.113 | J | 0.126 | J | 0.131 | J, BQ1 | 0.179 | |
| Potassium | E200.8 | µg/L | NE | 150 | | 226 | | 151 | BQ1 | 154 | |
| Selenium [4] | E200.8 | µg/L | 5 | ND (1) | | ND (1) | | ND (1) | | ND (1) | |
| Silver | E200.8 | µg/L | NE | ND (0.02) | | ND (0.02) | | ND (0.02) | | ND (0.02) | |
| Sodium | E200.8 | µg/L | NE | 1170 | | 1310 | | 1300 | BQ1 | 1130 | |
| Thallium | E200.8 | µg/L | NE | ND (0.05) | | ND (0.05) | | ND (0.05) | | ND (0.05) | |
| Tin | E200.8 | µg/L | NE | 0.852 | J | ND (1) | J- | ND (1) | | ND (1) | |
| Vanadium | E200.8 | µg/L | NE | 0.383 | J | 0.428 | | 0.353 | J, BQ1 | ND (0.4) | |
| Zinc [4] | E200.8 | µg/L | 37-390 | 1.46 | J | 1.27 | J | 1.33 | J, BQ1 | 3.81 | |
| **Dissolved Metals** | | | | | | | | | | | |
| Aluminum | E200.8 | µg/L | NE | 10.5 | J, BQ | 14 | J | 15.5 | J | 19.8 | BQ |
| Antimony | E200.8 | µg/L | NE | ND (0.2) | | ND (0.2) | | ND (0.2) | | 0.0826 | |
| Arsenic | E200.8 | µg/L | 150 | ND (0.5) | | ND (0.5) | | ND (0.5) | | ND (0.5) | |
| Barium | E200.8 | µg/L | NE | 1.87 | | 2.09 | | 1.84 | | 1.99 | |
| Beryllium | E200.8 | µg/L | NE | ND (0.03) | | ND (0.03) | | ND (0.03) | | ND (0.03) | |
| Bismuth | E200.8 | µg/L | NE | ND (5) | | ND (5) | | ND (5) | | ND (5) | |
| Boron | E200.7 | µg/L | NE | ND (10) | | ND (10) | | ND (10) | | ND (10) | |
| Cadmium | E200.8 | µg/L | 0.094-0.64 | ND (0.1) | | ND (0.1) | | ND (0.1) | | ND (0.1) | |
| Calcium | E200.8 | µg/L | NE | 3040 | | 3920 | | 3160 | | 2430 | |
| Chromium[3,4] | E200.8 | µg/L | 24-230 | 0.182 | J | ND (0.2) | | 0.158 | J | 0.157 | |
| Cobalt | E200.8 | µg/L | NE | ND (0.1) | | ND (0.1) | | ND (0.1) | | 0.0328 | |
| Copper [4] | E200.8 | µg/L | 2.7-29 | 0.549 | | 0.516 | BQ1 | 0.332 | BQ1 | 0.68 | |
| Iron | E200.8 | µg/L | NE | ND (20) | | ND (20) | | 6.26 | J, BQ1 | ND (20) | |
| Lead [4] | E200.8 | µg/L | 0.54-11 | 0.167 | J | 0.211 | BQ1 | 0.143 | J, BQ1 | 0.175 | |
| Magnesium | E200.8 | µg/L | NE | 208 | | 253 | | 266 | | 198 | |
| Manganese | E200.8 | µg/L | NE | ND (1) | | 0.521 | J | 0.579 | J | 0.605 | |
| Molybdenum | E200.8 | µg/L | NE | 1.03 | | 1.11 | | 0.975 | J | 0.722 | |
| Nickel [4] | E200.8 | µg/L | 16-170 | 0.281 | | 0.231 | BQ1 | 0.28 | BQ1 | 0.257 | |
| Potassium | E200.8 | µg/L | NE | 142 | | 225 | | 159 | BQ1 | 121 | |
| Selenium [4] | E200.8 | µg/L | 4.6 | ND (1) | | ND (1) | | ND (1) | | ND (1) | |

| Parameter | Method | Units | ADEC Criteria[1,2] | 072304GS11ASW001 GS11A 7/23/2004 | | 081704GS11ASW001 GS11A 8/17/2004 | | 092304GS11ASW001 GS11A 9/23/2004 | | 101604GS11ASW001 GS11A 10/16/2004 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Silicon | E200.7 | µg/L | NE | 3140 | | 3430 | | 3140 | | 3070 | |
| Silver | E200.8 | µg/L | NE | ND (0.02) | | ND (0.02) | | ND (0.02) | | 0.0102 | |
| Sodium | E200.8 | µg/L | NE | 1150 | | 1360 | | 1360 | BQ1 | 1070 | |
| Thallium | E200.8 | µg/L | NE | ND (0.05) | | ND (0.05) | | ND (0.05) | | ND (0.05) | |
| Tin | E200.8 | µg/L | NE | ND (1) | | ND (1) | J- | ND (1) | | ND (1) | |
| Vanadium | E200.8 | µg/L | NE | ND (0.4) | | 0.388 | J | 0.284 | J, BQ1 | ND (0.4) | |
| Zinc [4] | E200.8 | µg/L | 36-380 | 2.47 | | 1.19 | J, BQ1 | 1.64 | BQ1 | 2.86 | BQ |
| **Other Parameters** | | | | | | | | | | | |
| Acidity, Total | E305.2 | mg/L | NE | ND (10) | | ND (10) | | ND (10) | | 9.5 | |
| Alkalinity, Total | A2320B | mg/L | 20 | 10 | | 10.5 | | 9 | J | ND (10) | |
| Chloride | E300.0 | mg/L | 230 | 0.563 | | 0.647 | | 0.907 | | 0.879 | |
| Cyanide | A4500CN | mg/L | 5.2 | 0.0061 | | ND (0.005) | | 0.0038 | J, BQ | 0.0063 | |
| Cyanide, Weak Acid Dissociable | A4500CN | mg/L | NE | 0.0077 | | ND (0.005) | | 0.0039 | J | 0.003 | |
| Fluoride | E300.0 | mg/L | NE | 0.051 | J | 0.069 | J | ND (0.1) | | ND (0.1) | J- |
| Hardness (total) | A2340B | mg/L | NE | 8.86 | | 11 | | 9.27 | | 8.42 | |
| Hardness (dissolved) | A2340B | mg/L | NE | 8.44 | | 10.8 | | 8.99 | | | |
| Nitrogen, Ammonia (as N) [5] | A4500NH | mg/L | 6.06 mg-N/L | ND (0.1) | | 0.154 | | ND (0.1) | | ND (0.1) | |
| Nitrogen, Nitrate-Nitrate | E300.0 | mg/L | NE | ND (1) | | ND (1) | | 2.82 | J- | 2.32 | |
| pH | E150.1 | pH Units | 6.5-8.5 | 6.89 | | 6.73 | | 7.51 | | 4.17 | |
| Phosphorus, Total (as P) | E365.2 | mg/L | NE | 0.0326 | J | 0.0391 | J | ND (0.1) | | ND (0.1) | |
| Specific Conductance | A2510B | µmhos/cm | NE | 26 | | 32 | | 26 | | 70 | |
| Sulfates | E300.0 | mg/L | NE | 1.93 | | 4.66 | J+ | 2.37 | | 1.82 | |
| Thiocyanate | A4500M | mg/L | NE | ND (1) | | ND (1) | | 0.34 | | 0.26 | |
| Total Dissolved Solids | A2540C | mg/L | 1,000 | 31.3 | BQ | 35 | | 26.3 | | 27.5 | |
| Total Suspended Solids | EPA 160.2 | mg/L | NE | 0.5 | | 0.9 | | 1.3 | | 0.6 | |
| **Field Measurements** | | | | | | | | | | | |
| Conductivity | Field | mS/cm | NE | 0.059 | | NR | | 0.038 | | 0.2 | |
| Dissolved Oxygen | Field | mg/L | 7-17 | 11.90 | | NR | | 12.53 | | 14.7 | |
| pH | Field | pH units | 6.5-8.5 | 5.5 | | NR | | 5.25 | | 6.6 | |
| Turbidity [6] | Field | NTU | 25 | 10 | | NR | | 0 | | 178 | |
| Temperature | Field | °C | 13-20 | 11.6 | | NR | | 4.2 | | 5 | |

Concentrations that exceed the ADEC criteria are highlighted.

See Appendix 6H-17 for explanation of data validation flags.

1 Alaska Administrative Code 18 Chapter 70 (18 AAC 70) Water Quality Standards (fresh water use for growth and propagation of fish, shellfish, other aquatic life, and wildlife).

2 Alaska Water Quality Criteria Manual for Toxic and Other Deleterious Organic and Inorganic Substances (aquatic life fresh water chronic).

3 Chromium III

4 Criteria are in the dissolved form. Total recoverable criteria shown in the Water Quality Manual are for calculation purposes only.

5 Ammonia varies based on pH and temperature. For pH of 6.5 and temperature of 16, ammonia criteria is 6.06 mg-N/L.

6 Criteria is 25 NTUs above natural conditions.

°C = degrees Celsius

ADEC = Alaska Department of Environmental Conservation

mg/L = milligrams per liter

µg/L = micrograms per liter

µmhos/cm = micromhos per centimeter

mS/cm = milliSiemens per centimeter

ND = not detected

NA = not available

NE = not established

NTU = nephelometric turbidity units

**TABLE 6H-11**
**2004 Validated Analytical Results - Knutson Creek (GS-8A)**

| Parameter | Method | Units | ADEC Criteria[1,2] | 072104GS8ASW001 GS8A 7/21/2004 | | 081804GS8ASW001 GS8A 8/18/2004 | | 092404GS8ASW001 GS8A 9/24/2004 | | 101604GS8ASW001 GS8A 10/16/2004 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals** | | | | | | | | | | | |
| Aluminum | E200.8 | µg/L | 87 | 11.4 | J | 18.2 | J | 22.7 | J, BQ | 34.7 | BQ |
| Antimony | E200.8 | µg/L | NE | 3.86 | | ND (0.2) | | ND (0.2) | | ND (0.2) | |
| Arsenic | E200.8 | µg/L | NE | ND (0.25) | | ND (0.5) | | ND (0.5) | | ND (0.5) | |
| Barium | E200.8 | µg/L | NE | 3.72 | | 4.4 | | 3.97 | | 4.33 | |
| Beryllium | E200.8 | µg/L | NE | ND (0.015) | | ND (0.03) | | ND (0.03) | | ND (0.03) | |
| Bismuth | E200.8 | µg/L | NE | ND (1.5) | | ND (5) | | ND (5) | | ND (5) | |
| Boron | E200.7 | µg/L | NE | ND (3.1) | | 7.4 | J, BQ | 3.5 | J | ND (10) | |
| Cadmium | E200.8 | µg/L | 0.1-0.76 | 0.0744 | J, BQ | ND (0.1) | | ND (0.1) | | ND (0.1) | |
| Calcium | E200.8 | µg/L | NE | 1850 | | 2380 | | 2220 | | 2020 | |
| Chromium[3,4] | E200.8 | µg/L | 28-270 | ND (0.1) | | ND (0.2) | | 0.156 | J | 0.243 | |
| Cobalt | E200.8 | µg/L | NE | ND (0.031) | | ND (0.1) | | ND (0.1) | | ND (0.1) | |
| Copper [4] | E200.8 | µg/L | 2.9-30 | 0.564 | | 0.278 | | 0.236 | BQ1 | 0.632 | |
| Iron | E200.8 | µg/L | 1,000 | ND (6.2) | | ND (20) | | ND (20) | | 8.11 | |
| Lead [4] | E200.8 | µg/L | 0.54-19 | 0.118 | J | ND (0.2) | | ND (0.2) | | 0.113 | |
| Magnesium | E200.8 | µg/L | NE | 173 | | 194 | | 225 | | 188 | |
| Manganese | E200.8 | µg/L | NE | ND (0.5) | | ND (1) | | ND (1) | | 0.863 | |
| Mercury | E1631 | µg/L | 0.77 | 0.0003 | J, BQ1 | 0.0002 | J, BQ1 | 0.0002 | BQ1 | 0.0004 | BQ1 |
| Molybdenum | E200.8 | µg/L | NE | 0.567 | J | 0.746 | J | 0.67 | J | 0.559 | |
| Nickel [4] | E200.8 | µg/L | 16-170 | ND (0.062) | | ND (0.2) | | 0.187 | J, BQ1 | 0.166 | |
| Potassium | E200.8 | µg/L | NE | 111 | | 138 | | 120 | BQ1 | 103 | |
| Selenium [4] | E200.8 | µg/L | 5 | ND (0.31) | | ND (1) | | ND (1) | | ND (1) | |
| Silver | E200.8 | µg/L | NE | ND (0.0062) | | ND (0.02) | | ND (0.02) | | ND (0.02) | |
| Sodium | E200.8 | µg/L | NE | 1010 | | 1200 | | 1230 | BQ1 | 1050 | |
| Thallium | E200.8 | µg/L | NE | ND (0.025) | | ND (0.05) | | ND (0.05) | | ND (0.05) | |
| Tin | E200.8 | µg/L | NE | ND (0.31) | | ND (1) | | ND (1) | | ND (1) | |
| Vanadium | E200.8 | µg/L | NE | ND (0.25) | | 0.268 | J | ND (0.4) | | ND (0.4) | |
| Zinc [4] | E200.8 | µg/L | 37-390 | 1.65 | BQ | 0.895 | J, BQ | 2.38 | BQ1 | 2.01 | BQ |
| **Dissolved Metals** | | | | | | | | | | | |
| Aluminum | E200.8 | µg/L | NE | 14.5 | J, BQ | 16.9 | J | 15.1 | J, BQ | 18 | |
| Antimony | E200.8 | µg/L | NE | 1.02 | | ND (0.2) | | ND (0.2) | | ND (0.2) | |
| Arsenic | E200.8 | µg/L | 150 | ND (0.25) | | ND (0.5) | | ND (0.5) | | ND (0.5) | |
| Barium | E200.8 | µg/L | NE | 3.74 | | 4.53 | | 3.87 | | 4.27 | |
| Beryllium | E200.8 | µg/L | NE | ND (0.015) | | ND (0.03) | | ND (0.03) | | ND (0.03) | |
| Bismuth | E200.8 | µg/L | NE | ND (1.5) | | ND (5) | | ND (5) | | ND (5) | |
| Boron | E200.7 | µg/L | NE | ND (3.1) | | 4.4 | J, BQ | ND (10) | | ND (10) | |
| Cadmium | E200.8 | µg/L | 0.094-0.64 | 0.0731 | J, BQ | ND (0.1) | | ND (0.1) | | ND (0.1) | |
| Calcium | E200.8 | µg/L | NE | 1820 | | 2360 | | 2190 | | 2110 | |
| Chromium[3,4] | E200.8 | µg/L | 24-230 | 0.101 | J | 0.102 | J, BQ1 | 0.15 | J | 0.113 | |
| Cobalt | E200.8 | µg/L | NE | ND (0.031) | | ND (0.1) | | ND (0.1) | | ND (0.1) | |
| Copper [4] | E200.8 | µg/L | 2.7-29 | 0.45 | | 0.29 | BQ1 | 0.2 | BQ1 | 0.35 | |
| Iron | E200.8 | µg/L | NE | 11 | J | ND (20) | | ND (20) | | ND (20) | |
| Lead [4] | E200.8 | µg/L | 0.54-11 | 0.177 | J | 0.119 | J, BQ1 | ND (0.2) | | 0.261 | |
| Magnesium | E200.8 | µg/L | NE | 174 | | 203 | | 216 | | 190 | |
| Manganese | E200.8 | µg/L | NE | ND (0.5) | | ND (1) | | ND (1) | | 0.583 | |
| Molybdenum | E200.8 | µg/L | NE | 0.597 | J | 0.76 | J | 0.69 | J | 0.63 | |
| Nickel [4] | E200.8 | µg/L | 16-170 | 0.167 | J | 0.143 | J, BQ1 | 0.163 | J, BQ1 | 0.235 | |
| Potassium | E200.8 | µg/L | NE | 113 | | 140 | | 121 | BQ1 | 112 | |
| Selenium [4] | E200.8 | µg/L | 4.6 | ND (0.31) | | ND (1) | | ND (1) | | ND (1) | |

| Parameter | Method | Units | ADEC Criteria[1,2] | 072104GS8ASW001 GS8A 7/21/2004 | | 081804GS8ASW001 GS8A 8/18/2004 | | 092404GS8ASW001 GS8A 9/24/2004 | | 101604GS8ASW001 GS8A 10/16/2004 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Silicon | E200.7 | µg/L | NE | 2450 | | 2890 | | 2860 | | 2810 | |
| Silver | E200.8 | µg/L | NE | ND (0.0062) | | ND (0.02) | | ND (0.02) | | ND (0.02) | |
| Sodium | E200.8 | µg/L | NE | 1080 | | 1280 | | 1210 | BQ1 | 1080 | |
| Thallium | E200.8 | µg/L | NE | ND (0.025) | | ND (0.05) | | ND (0.05) | | ND (0.05) | |
| Tin | E200.8 | µg/L | NE | ND (0.31) | | ND (1) | | ND (1) | | ND (1) | |
| Vanadium | E200.8 | µg/L | NE | ND (0.25) | | ND (0.4) | | ND (0.4) | | ND (0.4) | |
| Zinc [4] | E200.8 | µg/L | 36-380 | 1.53 | BQ | 1.2 | J, BQ, BQ1 | 2.63 | BQ1 | 1.89 | |
| **Other Parameters** | | | | | | | | | | | |
| Acidity, Total | E305.2 | mg/L | NE | ND (3.14) | | ND (10) | | ND (10) | | 10 | |
| Alkalinity, Total | A2320B | mg/L | 20 | 4.5 | | 5 | | 4.25 | J | ND (10) | |
| Chloride | E300.0 | mg/L | 230 | 0.54 | | 0.914 | | 0.702 | | 0.838 | |
| Cyanide | A4500CN | mg/L | 5.2 | ND (0.0025) | | ND (0.005) | | ND (0.005) | | 0.0047 | |
| Cyanide, Weak Acid Dissociable | A4500CN | mg/L | NE | ND (0.0025) | | ND (0.005) | | ND (0.005) | | 0.003 | |
| Fluoride | E300.0 | mg/L | NE | 0.062 | J | 0.088 | J | 0.034 | J | 0.058 | J- |
| Hardness (total) | A2340B | mg/L | NE | 5.34 | | 6.74 | | 6.47 | | 5.82 | |
| Hardness (dissolved) | A2340B | mg/L | NE | 5.27 | | 6.73 | | 6.35 | | | |
| Nitrogen, Ammonia (as N) [5] | A4500NH | mg/L | 6.06 mg-N/L | ND (0.031) | | ND (0.1) | | ND (0.1) | | ND (0.1) | |
| Nitrogen, Nitrate-Nitrate | E300.0 | mg/L | NE | ND (0.31) | R | ND (1) | | 3.25 | J- | 2.48 | |
| pH | E150.1 | pH Units | 6.5-8.5 | 8 | | 7.77 | | 5.88 | | 4.02 | |
| Phosphorus, Total (as P) | E365.2 | mg/L | NE | ND (0.031) | | ND (0.1) | | ND (0.1) | | ND (0.1) | |
| Specific Conductance | A2510B | µmhos/cm | NE | 20 | | 21 | | 24 | | 80 | |
| Sulfates | E300.0 | mg/L | NE | 2.96 | | 3.47 | R | 3.74 | | 5.94 | |
| Thiocyanate | A4500M | mg/L | NE | ND (0.13) | | ND (1) | | 0.17 | | ND (1) | |
| Total Dissolved Solids | A2540C | mg/L | 1,000 | 25 | BQ | 30 | BQ | 13.8 | BQ | 15 | |
| Total Suspended Solids | EPA 160.2 | mg/L | NE | 0.5 | BQ | ND (0.5) | | 0.5 | | 0.3 | |
| **Field Measurements** | | | | | | | | | | | |
| Conductivity | Field | mS/cm | NE | 0.170 | | 0.035 | | 0.046 | | 0.02 | |
| Dissolved Oxygen | Field | mg/L | 7-17 | 13.12 | | 12.8 | | 13.01 | | 13.6 | |
| pH | Field | pH units | 6.5-8.5 | 6.8 | | 5.8 | | 5.05 | | 6.6 | |
| Turbidity [6] | Field | NTU | 25 | | | 128 | | 0 | | 18 | |
| Temperature | Field | °C | 13-20 | 13.8 | | 15.1 | | 2 | | 4 | |

Concentrations that exceed the ADEC criteria are highlighted.

See Appendix 6H-17 for explanation of data validation flags.

1 Alaska Administrative Code 18 Chapter 70 (18 AAC 70) Water Quality Standards (fresh water use for growth and propagation of fish, shellfish, other aquatic life, and wildlife).

2 Alaska Water Quality Criteria Manual for Toxic and Other Deleterious Organic and Inorganic Substances (aquatic life fresh water chronic).

3 Chromium III

4 Criteria are in the dissolved form. Total recoverable criteria shown in the Water Quality Manual are for calculation purposes only.

5 Ammonia varies based on pH and temperature. For pH of 6.5 and temperature of 16, ammonia criteria is 6.06 mg-N/L.

6 Criteria is 25 NTUs above natural conditions.

°C = degrees Celsius

ADEC = Alaska Department of Environmental Conservation

mg/L = milligrams per liter

µg/L = micrograms per liter

µmhos/cm = micromhos per centimeter

mS/cm = milliSiemens per centimeter

ND = not detected

NA = not available

NE = not established

NTU = nephelometric turbidity units

**TABLE 6H-12**
**2004 Validated Analytical Results - No Name Creek (GS-7A)**

| Parameter | Method | Units | ADEC Criteria[1,2] | 101604GS7ASW001 GS7A 10/16/2004 | |
|---|---|---|---|---|---|
| **Total Metals** | | | | | |
| Aluminum | E200.8 | µg/L | 87 | 24.4 | BQ |
| Antimony | E200.8 | µg/L | NE | ND (0.2) | |
| Arsenic | E200.8 | µg/L | NE | 0.287 | |
| Barium | E200.8 | µg/L | NE | 6.57 | |
| Beryllium | E200.8 | µg/L | NE | ND (0.03) | |
| Bismuth | E200.8 | µg/L | NE | ND (5) | |
| Boron | E200.7 | µg/L | NE | ND (10) | |
| Cadmium | E200.8 | µg/L | 0.1-0.76 | ND (0.1) | |
| Calcium | E200.8 | µg/L | NE | 3860 | |
| Chromium[3,4] | E200.8 | µg/L | 28-270 | 0.203 | |
| Cobalt | E200.8 | µg/L | NE | ND (0.1) | |
| Copper [4] | E200.8 | µg/L | 2.9-30 | 0.272 | |
| Iron | E200.8 | µg/L | 1,000 | 10.8 | |
| Lead [4] | E200.8 | µg/L | 0.54-19 | 0.103 | |
| Magnesium | E200.8 | µg/L | NE | 365 | |
| Manganese | E200.8 | µg/L | NE | 0.54 | |
| Mercury | E1631 | µg/L | 0.77 | 0.0015 | BQ1 |
| Molybdenum | E200.8 | µg/L | NE | ND (1) | |
| Nickel [4] | E200.8 | µg/L | 16-170 | 0.119 | |
| Potassium | E200.8 | µg/L | NE | 111 | |
| Selenium [4] | E200.8 | µg/L | 5 | ND (1) | |
| Silver | E200.8 | µg/L | NE | 0.0088 | |
| Sodium | E200.8 | µg/L | NE | 1500 | |
| Thallium | E200.8 | µg/L | NE | ND (0.05) | |
| Tin | E200.8 | µg/L | NE | ND (1) | |
| Vanadium | E200.8 | µg/L | NE | ND (0.4) | |
| Zinc [4] | E200.8 | µg/L | 37-390 | 0.874 | |
| **Dissolved Metals** | | | | | |
| Aluminum | E200.8 | µg/L | NE | 14.6 | BQ |
| Antimony | E200.8 | µg/L | NE | ND (0.2) | |
| Arsenic | E200.8 | µg/L | 150 | 0.278 | |
| Barium | E200.8 | µg/L | NE | 6.69 | |
| Beryllium | E200.8 | µg/L | NE | ND (0.03) | |
| Bismuth | E200.8 | µg/L | NE | ND (5) | |
| Boron | E200.7 | µg/L | NE | ND (10) | |
| Cadmium | E200.8 | µg/L | 0.094-0.64 | ND (0.1) | |
| Calcium | E200.8 | µg/L | NE | 4480 | |
| Chromium[3,4] | E200.8 | µg/L | 24-230 | ND (0.2) | |
| Cobalt | E200.8 | µg/L | NE | ND (0.1) | |
| Copper [4] | E200.8 | µg/L | 2.7-29 | 0.218 | |
| Iron | E200.8 | µg/L | NE | ND (20) | |
| Lead [4] | E200.8 | µg/L | 0.54-11 | ND (0.02) | |
| Magnesium | E200.8 | µg/L | NE | 407 | |
| Manganese | E200.8 | µg/L | NE | ND (1) | |
| Molybdenum | E200.8 | µg/L | NE | ND (1) | |
| Nickel [4] | E200.8 | µg/L | 16-170 | 0.195 | |
| Potassium | E200.8 | µg/L | NE | 134 | |
| Selenium [4] | E200.8 | µg/L | 4.6 | ND (1) | |

| Parameter | Method | Units | ADEC Criteria[1,2] | 101604GS7ASW001 GS7A 10/16/2004 | |
|---|---|---|---|---|---|
| Silicon | E200.7 | µg/L | NE | 3270 | |
| Silver | E200.8 | µg/L | NE | ND (0.02) | |
| Sodium | E200.8 | µg/L | NE | 1680 | |
| Thallium | E200.8 | µg/L | NE | ND (0.05) | |
| Tin | E200.8 | µg/L | NE | ND (1) | |
| Vanadium | E200.8 | µg/L | NE | ND (0.4) | |
| Zinc [4] | E200.8 | µg/L | 36-380 | 1.73 | |
| **Other Parameters** | | | | | |
| Acidity, Total | E305.2 | mg/L | NE | ND (10) | |
| Alkalinity, Total | A2320B | mg/L | 20 | 10 | |
| Chloride | E300.0 | mg/L | 230 | 1.22 | |
| Cyanide | A4500CN | mg/L | 5.2 | 0.0066 | |
| Cyanide, Weak Acid Dissociable | A4500CN | mg/L | NE | ND (0.005) | |
| Fluoride | E300.0 | mg/L | NE | ND (0.1) | J- |
| Hardness (total) | A2340B | mg/L | NE | 11.1 | |
| Hardness (dissolved) | A2340B | mg/L | NE | | |
| Nitrogen, Ammonia (as N) [5] | A4500NH | mg/L | 6.06 mg-N/L | 0.069 | |
| Nitrogen, Nitrate-Nitrate | E300.0 | mg/L | NE | 2.08 | |
| pH | E150.1 | pH Units | 6.5-8.5 | 6.97 | |
| Phosphorus, Total (as P) | E365.2 | mg/L | NE | ND (0.1) | |
| Specific Conductance | A2510B | µmhos/cm | NE | 35 | |
| Sulfates | E300.0 | mg/L | NE | 26.2 | |
| Thiocyanate | A4500M | mg/L | NE | 0.15 | |
| Total Dissolved Solids | A2540C | mg/L | 1,000 | 31.3 | |
| Total Suspended Solids | EPA 160.2 | mg/L | NE | 0.4 | |
| **Field Measurements** | | | | | |
| Conductivity | Field | mS/cm | NE | 0.05 | |
| Dissolved Oxygen | Field | mg/L | 7-17 | 13 | |
| pH | Field | pH units | 6.5-8.5 | 6.6 | |
| Turbidity [6] | Field | NTU | 25 | 18 | |
| Temperature | Field | °C | 13-20 | 4 | |

Concentrations that exceed the ADEC criteria are highlighted.

See Appendix 6H-17 for explanation of data validation flags.

1 Alaska Administrative Code 18 Chapter 70 (18 AAC 70) Water Quality Standards (fresh water use for growth and propagation of fish, shellfish, other aquatic life, and wildlife).

2 Alaska Water Quality Criteria Manual for Toxic and Other Deleterious Organic and Inorganic Substances (aquatic life fresh water chronic).

3 Chromium III

4 Criteria are in the dissolved form. Total recoverable criteria shown in the Water Quality Manual are for calculation purposes only.

5 Ammonia varies based on pH and temperature. For pH of 6.5 and temperature of 16, ammonia criteria is 6.06 mg-N/L.

6 Criteria is 25 NTUs above natural conditions.

°C = degrees Celsius
ADEC = Alaska Department of Environmental Conservation
mg/L = milligrams per liter
µg/L = micrograms per liter
µmhos/cm = micromhos per centimeter
mS/cm = milliSiemens per centimeter
ND = not detected
NA = not available
NE = not established
NTU = nephelometric turbidity units

**TABLE 6H-13**
**2004 Validated Analytical Results - No Name Creek (GS-6A) Dumbell Lake**

| Parameter | Method | Units | ADEC Criteria[1,2] | 072104GS6ASW001 GS6A 7/21/2004 | | 081904GS6ASW001 GS6A 8/19/2004 | | 092404GS6ASW001 GS6A 9/24/2004 | | 101504GS6ASW001 GS6A 10/15/2004 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals** | | | | | | | | | | | |
| Aluminum | E200.8 | µg/L | 87 | 50.8 | | 79.4 | | 48.1 | BQ | 62.6 | |
| Antimony | E200.8 | µg/L | NE | ND (0.077) | | ND (0.2) | | ND (0.2) | | ND (0.2) | |
| Arsenic | E200.8 | µg/L | NE | ND (0.25) | | ND (0.5) | | ND (0.5) | | ND (0.5) | |
| Barium | E200.8 | µg/L | NE | 11.2 | | 10.5 | | 12.8 | | 12.2 | |
| Beryllium | E200.8 | µg/L | NE | ND (0.015) | | ND (0.03) | | ND (0.03) | | ND (0.03) | |
| Bismuth | E200.8 | µg/L | NE | ND (1.5) | | ND (5) | | ND (5) | | ND (5) | |
| Boron | E200.7 | µg/L | NE | ND (3.1) | | 6.4 | J, BQ | 3.7 | J | 3.2 | |
| Cadmium | E200.8 | µg/L | 0.1-0.76 | 0.571 | J, BQ | ND (0.1) | | ND (0.1) | | ND (0.1) | |
| Calcium | E200.8 | µg/L | NE | 7750 | | 8040 | | 8340 | | 8880 | |
| Chromium[3,4] | E200.8 | µg/L | 28-270 | ND(0.1) | | 0.19 | J, BQ1 | 0.163 | J | 0.236 | |
| Cobalt | E200.8 | µg/L | NE | 0.0743 | J | 0.0923 | J | 0.0809 | J | 0.16 | |
| Copper [4] | E200.8 | µg/L | 2.9-30 | 0.241 | | 0.539 | | 0.192 | J, BQ1 | 2.03 | |
| Iron | E200.8 | µg/L | 1,000 | 74.4 | | 91.5 | | 122 | | 101 | |
| Lead [4] | E200.8 | µg/L | 0.54-19 | ND (0.1) | | 0.111 | J | ND (0.2) | | 0.287 | |
| Magnesium | E200.8 | µg/L | NE | 476 | | 427 | | 526 | | 485 | |
| Manganese | E200.8 | µg/L | NE | 19.4 | | 18.1 | | 32.4 | | 41.9 | |
| Mercury | E1631 | µg/L | 0.77 | 0.0005 | J, BQ1 | 0.0012 | BQ1 | 0.0004 | BQ1 | 0.0007 | BQ1 |
| Molybdenum | E200.8 | µg/L | NE | ND (0.31) | | ND (1) | | ND (1) | | ND (1) | |
| Nickel [4] | E200.8 | µg/L | 16-170 | 0.216 | | 0.236 | | 0.261 | BQ1 | 0.491 | |
| Potassium | E200.8 | µg/L | NE | 241 | | 252 | | 255 | BQ1 | 278 | |
| Selenium [4] | E200.8 | µg/L | 5 | ND (0.31) | | ND (1) | | ND (1) | | ND (1) | |
| Silver | E200.8 | µg/L | NE | ND (0.0062) | | ND (0.02) | | ND (0.02) | | ND (0.02) | |
| Sodium | E200.8 | µg/L | NE | 2730 | J | 2140 | | 2020 | | 2060 | |
| Thallium | E200.8 | µg/L | NE | ND (0.025) | | ND (0.05) | | ND (0.05) | | ND (0.05) | |
| Tin | E200.8 | µg/L | NE | ND (0.31) | | ND (1) | | ND (1) | | ND (1) | |
| Vanadium | E200.8 | µg/L | NE | 0.379 | J | ND (0.4) | | 0.283 | J, BQ1 | 0.38 | |
| Zinc [4] | E200.8 | µg/L | 37-390 | 1.04 | J, BQ | 6.39 | | 1.13 | J, BQ1 | 7.53 | |
| **Dissolved Metals** | | | | | | | | | | | |
| Aluminum | E200.8 | µg/L | NE | 34.3 | BQ | 58 | | 26.6 | J, BQ | 16.6 | |
| Antimony | E200.8 | µg/L | NE | ND (0.077) | | ND (0.2) | | ND (0.2) | | ND (0.2) | |
| Arsenic | E200.8 | µg/L | 150 | ND (0.25) | | ND (0.5) | | ND (0.5) | | ND (0.5) | |
| Barium | E200.8 | µg/L | NE | 10.6 | | 9.8 | | 13 | | 11.5 | |
| Beryllium | E200.8 | µg/L | NE | ND (0.015) | | ND (0.03) | | ND (0.03) | | ND (0.03) | |
| Bismuth | E200.8 | µg/L | NE | ND (1.5) | | ND (5) | | ND (5) | | ND (5) | |
| Boron | E200.7 | µg/L | NE | ND (3.1) | | 4.3 | J, BQ | 4.6 | J | 3.6 | |
| Cadmium | E200.8 | µg/L | 0.094-0.64 | 0.0575 | J, BQ | ND (0.1) | | ND (0.1) | | ND (0.1) | |
| Calcium | E200.8 | µg/L | NE | 7650 | | 8970 | | 9760 | | 8760 | |
| Chromium[3,4] | E200.8 | µg/L | 24-230 | 0.119 | | 0.168 | J, BQ1 | 0.191 | J, BQ | ND (0.2) | |
| Cobalt | E200.8 | µg/L | NE | ND (0.031) | | 0.0559 | J | 0.0523 | J | 0.0721 | |
| Copper [4] | E200.8 | µg/L | 2.7-29 | 0.338 | | 0.424 | BQ1 | 0.206 | BQ1 | 0.554 | |
| Iron | E200.8 | µg/L | NE | 42.1 | | 48.1 | | 49.5 | | 25.6 | |
| Lead [4] | E200.8 | µg/L | 0.54-11 | 0.133 | J | 0.195 | J, BQ1 | ND (0.2) | | 0.196 | |
| Magnesium | E200.8 | µg/L | NE | 482 | | 471 | | 522 | | 473 | |
| Manganese | E200.8 | µg/L | NE | 3.79 | | 3.73 | | 6.34 | | 3.99 | |
| Molybdenum | E200.8 | µg/L | NE | ND (0.31) | | ND (1) | | ND (1) | | ND (1) | |
| Nickel [4] | E200.8 | µg/L | 16-170 | 0.351 | | 0.361 | BQ1 | 0.31 | BQ1 | 0.473 | |
| Potassium | E200.8 | µg/L | NE | 242 | | 259 | | 245 | BQ1 | 260 | |
| Selenium [4] | E200.8 | µg/L | 4.6 | ND (0.31) | | ND (1) | | ND (1) | | ND (1) | |

| Parameter | Method | Units | ADEC Criteria[1,2] | 072104GS6ASW001 GS6A 7/21/2004 | | 081904GS6ASW001 GS6A 8/19/2004 | | 092404GS6ASW001 GS6A 9/24/2004 | | 101504GS6ASW001 GS6A 10/15/2004 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Silicon | E200.7 | µg/L | NE | 2820 | | 2530 | | 2780 | | 3220 | |
| Silver | E200.8 | µg/L | NE | ND (0.0062) | | ND (0.02) | | ND (0.02) | | ND (0.02) | |
| Sodium | E200.8 | µg/L | NE | 4810 | J | 2130 | | 2050 | | 2080 | |
| Thallium | E200.8 | µg/L | NE | ND (0.025) | | ND (0.05) | | ND (0.05) | | ND (0.05) | |
| Tin | E200.8 | µg/L | NE | ND (0.31) | | ND (1) | | ND (1) | | ND (1) | |
| Vanadium | E200.8 | µg/L | NE | ND (0.25) | | 0.367 | J | 0.315 | J, BQ1 | ND (0.4) | |
| Zinc [4] | E200.8 | µg/L | 36-380 | 1.22 | J, BQ | 1.9 | BQ, BQ1 | 2.03 | BQ1 | 6.36 | |
| **Other Parameters** | | | | | | | | | | | |
| Acidity, Total | E305.2 | mg/L | NE | ND (3.14) | | ND (10) | | ND (10) | | ND (10) | |
| Alkalinity, Total | A2320B | mg/L | 20 | 18 | | 17.5 | | 20.8 | | 20 | |
| Chloride | E300.0 | mg/L | 230 | 1.47 | | 1.52 | | 1.64 | | 1.61 | |
| Cyanide | A4500CN | mg/L | 5.2 | ND (0.0025) | | ND (0.005) | | ND (0.005) | | 0.004 | BQ |
| Cyanide, Weak Acid Dissociable | A4500CN | mg/L | NE | ND (0.0025) | | ND (0.005) | | ND (0.005) | | 0.003 | BQ |
| Fluoride | E300.0 | mg/L | NE | 0.033 | J | 0.053 | J | ND (0.1) | | 0.048 | |
| Hardness (total) | A2340B | mg/L | NE | 21.3 | | 21.8 | | 23 | | 24.2 | |
| Hardness (dissolved) | A2340B | mg/L | NE | 21.1 | | 24.3 | | 26.5 | | | |
| Nitrogen, Ammonia (as N) [5] | A4500NH | mg/L | 6.06 mg-N/L | ND (0.031) | | ND (0.1) | | 0.086 | J, BQ | 0.093 | |
| Nitrogen, Nitrate-Nitrate | E300.0 | mg/L | NE | 0.41 | J, J- | 7.2 | | 2.37 | J- | 0.32 | |
| pH | E150.1 | pH Units | 6.5-8.5 | 6.83 | | 7.3 | | 6.5 | | 6.78 | |
| Phosphorus, Total (as P) | E365.2 | mg/L | NE | 0.645 | | ND (0.1) | | 0.04 | J | 0.07 | |
| Specific Conductance | A2510B | µmhos/cm | NE | 71 | | 70 | | 70 | | 70 | |
| Sulfates | E300.0 | mg/L | NE | 7.75 | | 7.91 | | 8.6 | | 7.77 | |
| Thiocyanate | A4500M | mg/L | NE | ND (0.13) | | 0.17 | | 0.21 | | ND (1) | |
| Total Dissolved Solids | A2540C | mg/L | 1,000 | 53.8 | BQ | 33.8 | | 43.8 | | 72.5 | |
| Total Suspended Solids | EPA 160.2 | mg/L | NE | 1.6 | | 2.4 | | 3.8 | | 3.4 | |
| **Field Measurements** | | | | | | | | | | | |
| Conductivity | Field | mS/cm | NE | 0.12 | | 0.06 | | 0.061 | | 0.068 | |
| Dissolved Oxygen | Field | mg/L | 7-17 | 9.94 | | 9.57 | | 12.4 | | 12.37 | |
| pH | Field | pH units | 6.5-8.5 | 5.78 | | 7.6 | | 6.06 | | 5 | |
| Turbidity [6] | Field | NTU | 25 | 10 | | 8 | | 3 | | 132 | |
| Temperature | Field | °C | 13-20 | 18 | | 22 | | 6.7 | | 7.1 | |

Concentrations that exceed the ADEC criteria are highlighted.

See Appendix 6H-17 for explanation of data validation flags.

1 Alaska Administrative Code 18 Chapter 70 (18 AAC 70) Water Quality Standards (fresh water use for growth and propagation of fish, shellfish, other aquatic life, and wildlife).

2 Alaska Water Quality Criteria Manual for Toxic and Other Deleterious Organic and Inorganic Substances (aquatic life fresh water chronic).

3 Chromium III

4 Criteria are in the dissolved form. Total recoverable criteria shown in the Water Quality Manual are for calculation purposes only.

5 Ammonia varies based on pH and temperature. For pH of 6.5 and temperature of 16, ammonia criteria is 6.06 mg-N/L.

6 Criteria is 25 NTUs above natural conditions.

°C = degrees Celsius

ADEC = Alaska Department of Environmental Conservation

mg/L = milligrams per liter

µg/L = micrograms per liter

µmhos/cm = micromhos per centimeter

mS/cm = milliSiemens per centimeter

ND = not detected

NA = not available

NE = not established

NTU = nephelometric turbidity units

**TABLE 6H-14**
**2004 Validated Analytical Results - Pile River (GS-4A)**

| Parameter | Method | Units | ADEC Criteria[1,2] | 073104GS4ASW001 GS4A 7/31/2004 | | 081904GS4ASW001 GS4A 8/19/2004 | | 092504GS4ASW001 GS4A 9/25/2004 | | 101904GS4ASW001 GS4A 10/19/2004 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals** | | | | | | | | | | | |
| Aluminum | E200.8 | µg/L | 87 | 324 | BQ | 1340 | | 61.4 | | 184 | |
| Antimony | E200.8 | µg/L | NE | ND (0.077) | | ND (0.2) | | ND (0.2) | | ND (0.2) | |
| Arsenic | E200.8 | µg/L | NE | ND (0.25) | | ND (0.5) | | ND (0.5) | | ND (0.5) | |
| Barium | E200.8 | µg/L | NE | 8.15 | | 21.3 | | 7.24 | | 7.74 | |
| Beryllium | E200.8 | µg/L | NE | ND (0.015) | | 0.0202 | J | ND (0.03) | | ND (0.03) | |
| Bismuth | E200.8 | µg/L | NE | ND (1.5) | | ND (5) | | ND (5) | | ND (5) | |
| Boron | E200.7 | µg/L | NE | 6.4 | J | 5 | J, BQ | ND (10) | | ND (10) | |
| Cadmium | E200.8 | µg/L | 0.1-0.76 | 0.0852 | J, BQ | 0.0314 | J | 0.0387 | J | ND (0.1) | |
| Calcium | E200.8 | µg/L | NE | 2370 | | 2220 | | 3500 | | 3490 | BQ1 |
| Chromium[3,4] | E200.8 | µg/L | 28-270 | 0.161 | J | 0.399 | BQ1 | 0.163 | J | ND (0.2) | |
| Cobalt | E200.8 | µg/L | NE | 0.272 | | 0.599 | | 0.277 | | 0.324 | BQ1 |
| Copper [4] | E200.8 | µg/L | 2.9-30 | 6.89 | | 12.8 | | 7.85 | | 20.8 | |
| Iron | E200.8 | µg/L | 1,000 | 175 | | 826 | | 112 | | 138 | |
| Lead [4] | E200.8 | µg/L | 0.54-19 | 0.171 | J | 0.666 | | ND (0.2) | | ND (0.2) | |
| Magnesium | E200.8 | µg/L | NE | 297 | | 474 | | 359 | | 341 | |
| Manganese | E200.8 | µg/L | NE | 21.6 | | 42.1 | | 22.4 | | 20.2 | |
| Mercury | E1631 | µg/L | 0.77 | 0.0007 | J, BQ1 | 0.0032 | | 0.0002 | BQ1 | 0.0009 | BQ1 |
| Molybdenum | E200.8 | µg/L | NE | ND (0.31) | | 0.644 | J | 0.997 | J | 0.905 | J |
| Nickel [4] | E200.8 | µg/L | 16-170 | 0.205 | | 0.503 | | 0.267 | BQ1 | 0.156 | BQ1,J |
| Potassium | E200.8 | µg/L | NE | 309 | | 511 | | 350 | BQ1 | 329 | |
| Selenium [4] | E200.8 | µg/L | 5 | ND (0.31) | | ND (1) | | ND (1) | | ND (1) | |
| Silver | E200.8 | µg/L | NE | ND (0.0062) | | ND (0.02) | | ND (0.02) | | ND (0.02) | |
| Sodium | E200.8 | µg/L | NE | 799 | | 819 | | 1320 | BQ1 | 1210 | BQ1 |
| Thallium | E200.8 | µg/L | NE | ND (0.025) | | ND (0.05) | | ND (0.05) | | ND (0.05) | |
| Tin | E200.8 | µg/L | NE | ND (0.31) | | ND (1) | | ND (1) | | ND (1) | |
| Vanadium | E200.8 | µg/L | NE | 0.375 | J | 1.83 | | ND (0.4) | | ND (0.4) | |
| Zinc [4] | E200.8 | µg/L | 37-390 | 5.01 | | 7.32 | | 5.32 | BQ1 | 4.93 | BQ1 |
| **Dissolved Metals** | | | | | | | | | | | |
| Aluminum | E200.8 | µg/L | NE | 32.1 | BQ | 16.7 | J | 14.2 | J | 25.1 | BQ,BQ1 |
| Antimony | E200.8 | µg/L | NE | 0.0915 | J | ND (0.2) | | ND (0.2) | | ND (0.2) | |
| Arsenic | E200.8 | µg/L | 150 | ND (0.25) | | ND (0.5) | | ND (0.5) | | ND (0.5) | |
| Barium | E200.8 | µg/L | NE | 4.85 | | 3.64 | | 7.46 | | 6.9 | |
| Beryllium | E200.8 | µg/L | NE | ND (0.015) | | ND (0.03) | | ND (0.03) | | ND (0.03) | |
| Bismuth | E200.8 | µg/L | NE | ND (1.5) | | ND (5) | | ND (5) | | ND (5) | |
| Boron | E200.7 | µg/L | NE | 4.4 | J | 3.8 | J, BQ | ND (10) | | ND (10) | |
| Cadmium | E200.8 | µg/L | 0.094-0.64 | 0.0679 | J, BQ | ND (0.1) | | 0.0448 | J | 0.0364 | J |
| Calcium | E200.8 | µg/L | NE | 2160 | | 2020 | | 3930 | | 3390 | BQ1 |
| Chromium[3,4] | E200.8 | µg/L | 24-230 | 0.129 | J | ND (0.2) | | ND (0.2) | | ND (0.2) | |
| Cobalt | E200.8 | µg/L | NE | 0.18 | | 0.197 | | 0.317 | | 0.299 | BQ1 |
| Copper [4] | E200.8 | µg/L | 2.7-29 | 1.93 | | 0.922 | BQ1 | 6.27 | | 14.8 | |
| Iron | E200.8 | µg/L | NE | 24.4 | | 8.88 | J | 57.3 | | 46.7 | |
| Lead [4] | E200.8 | µg/L | 0.54-11 | 0.118 | J | 0.108 | J, BQ1 | 0.103 | J, BQ1 | 0.16 | J |
| Magnesium | E200.8 | µg/L | NE | 228 | | 186 | | 339 | | 299 | |
| Manganese | E200.8 | µg/L | NE | 15.8 | | 17.8 | | 23.6 | | 18.5 | |
| Molybdenum | E200.8 | µg/L | NE | ND (0.31) | | 0.57 | J | 1.18 | | 0.881 | J |
| Nickel [4] | E200.8 | µg/L | 16-170 | 0.246 | | 0.256 | BQ1 | 0.346 | BQ1 | 0.324 | BQ1 |
| Potassium | E200.8 | µg/L | NE | 259 | | 266 | | 354 | BQ1 | 318 | |

| Parameter | Method | Units | ADEC Criteria[1,2] | 073104GS4ASW001 GS4A 7/31/2004 | | 081904GS4ASW001 GS4A 8/19/2004 | | 092504GS4ASW001 GS4A 9/25/2004 | | 101904GS4ASW001 GS4A 10/19/2004 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Selenium [4] | E200.8 | µg/L | 4.6 | ND (0.31) | | ND (1) | | ND (1) | | ND (1) | |
| Silicon | E200.7 | µg/L | NE | 2080 | | 1400 | | 2830 | | 2940 | BQ1 |
| Silver | E200.8 | µg/L | NE | ND (0.0062) | | ND (0.02) | | ND (0.02) | | ND (0.02) | |
| Sodium | E200.8 | µg/L | NE | 742 | | 620 | | 1300 | BQ1 | 1250 | BQ1 |
| Thallium | E200.8 | µg/L | NE | ND (0.025) | | ND (0.05) | | 0.0304 | J | ND (0.05) | |
| Tin | E200.8 | µg/L | NE | ND (0.31) | | ND (1) | | ND (1) | | ND (1) | |
| Vanadium | E200.8 | µg/L | NE | ND (0.25) | | ND (0.4) | | ND (0.4) | | ND (0.4) | |
| Zinc [4] | E200.8 | µg/L | 36-380 | 4.25 | | 2.71 | BQ, BQ1 | 6.14 | BQ1 | 5.27 | BQ1 |
| **Other Parameters** | | | | | | | | | | | |
| Acidity, Total | E305.2 | mg/L | NE | ND (3.14) | | ND (10) | | ND (10) | | ND (10) | |
| Alkalinity, Total | A2320B | mg/L | 20 | 3.5 | J | ND (10) | | 4.5 | J | ND (10) | |
| Chloride | E300.0 | mg/L | 230 | 0.382 | | 0.309 | | 0.767 | | 0.844 | J- |
| Cyanide | A4500CN | mg/L | 5.2 | ND (0.0025) | | ND (0.005) | | 0.0026 | J | ND (0.005) | |
| Cyanide, Weak Acid Dissociable | A4500CN | mg/L | NE | ND (0.0025) | | ND (0.005) | | ND (0.005) | | ND (0.005) | |
| Fluoride | E300.0 | mg/L | NE | 0.032 | J | ND (0.1) | | 0.041 | J | ND (0.1) | J |
| Hardness (total) | A2340B | mg/L | NE | 7.13 | | 7.49 | | 10.2 | | 10.1 | |
| Hardness (dissolved) | A2340B | mg/L | NE | 6.33 | | 5.82 | | 11.2 | | | |
| Nitrogen, Ammonia (as N) [5] | A4500NH | mg/L | 6.06 mg-N/L | ND (0.031) | | ND (0.1) | | ND (0.1) | | ND (0.1) | |
| Nitrogen, Nitrate-Nitrate | E300.0 | mg/L | NE | ND (0.31) | | ND (1) | | 0.92 | J, J- | 0.63 | J |
| pH | E150.1 | pH Units | 6.5-8.5 | 7.15 | | 6.95 | | 6.64 | | 7.29 | |
| Phosphorus, Total (as P) | E365.2 | mg/L | NE | 0.0326 | J | 0.08 | J | 0.04 | J | 0 | |
| Specific Conductance | A2510B | µmhos/cm | NE | 24 | | 18 | | 34 | | 30.5 | |
| Sulfates | E300.0 | mg/L | NE | 5.89 | | 4.53 | | 9.96 | | 6.86 | |
| Thiocyanate | A4500M | mg/L | NE | 0.28 | | ND (1) | | 0.24 | | 0.15 | J |
| Total Dissolved Solids | A2540C | mg/L | 1,000 | 25 | | 6.25 | J | 7.5 | J | 11.3 | BQ |
| Total Suspended Solids | EPA 160.2 | mg/L | NE | 6 | | 17.3 | | 0.4 | J | 2.3 | |
| **Field Measurements** | | | | | | | | | | | |
| Conductivity | Field | mS/cm | NE | 0.044 | | 0.035 | | 0.029 | | 0.052 | |
| Dissolved Oxygen | Field | mg/L | 7-17 | 13.400 | | 12.5 | | 13.71 | | 13.61 | |
| pH | Field | pH units | 6.5-8.5 | 5.82 | | 5.9 | | 5.31 | | 5.98 | |
| Turbidity [6] | Field | NTU | 25 | 35 | | 42 | | 339 | | 132 | |
| Temperature | Field | °C | 13-20 | 13.2 | | 10.6 | | 3.5 | | 4.2 | |

Concentrations that exceed the ADEC criteria are highlighted.

See Appendix 6H-17 for explanation of data validation flags.

1 Alaska Administrative Code 18 Chapter 70 (18 AAC 70) Water Quality Standards (fresh water use for growth and propagation of fish, shellfish, other aquatic life, and wildlife).

2 Alaska Water Quality Criteria Manual for Toxic and Other Deleterious Organic and Inorganic Substances (aquatic life fresh water chronic).

3 Chromium III

4 Criteria are in the dissolved form. Total recoverable criteria shown in the Water Quality Manual are for calculation purposes only.

5 Ammonia varies based on pH and temperature. For pH of 6.5 and temperature of 16, ammonia criteria is 6.06 mg-N/L.

6 Criteria is 25 NTUs above natural conditions.

°C = degrees Celsius

ADEC = Alaska Department of Environmental Conservation

mg/L = milligrams per liter

µg/L = micrograms per liter

µmhos/cm = micromhos per centimeter

mS/cm = milliSiemens per centimeter

ND = not detected

NA = not available

NE = not established

NTU = nephelometric turbidity units

**TABLE 6H-15**
**2004 Validated Analytical Results - Long Lake Creek (GS-4B)**

| Parameter | Method | Units | ADEC Criteria[1,2] | 092504GS4BSW001 GS4B 9/25/2004 | | 101504GS4BSW001 GS4B 10/15/2004 | |
|---|---|---|---|---|---|---|---|
| **Total Metals** | | | | | | | |
| Aluminum | E200.8 | µg/L | 87 | 183 | | 47.3 | |
| Antimony | E200.8 | µg/L | NE | ND (0.2) | | ND (0.2) | |
| Arsenic | E200.8 | µg/L | NE | ND (0.5) | | ND (0.5) | |
| Barium | E200.8 | µg/L | NE | 8.6 | | 7.78 | |
| Beryllium | E200.8 | µg/L | NE | ND (0.03) | | ND (0.03) | |
| Bismuth | E200.8 | µg/L | NE | ND (5) | | ND (5) | |
| Boron | E200.7 | µg/L | NE | 4.1 | J | 5.5 | |
| Cadmium | E200.8 | µg/L | 0.1-0.76 | ND (0.1) | | ND (0.1) | |
| Calcium | E200.8 | µg/L | NE | 2710 | | 2840 | |
| Chromium[3,4] | E200.8 | µg/L | 28-270 | 0.219 | | ND (0.2) | |
| Cobalt | E200.8 | µg/L | NE | 0.0604 | J | 0.104 | |
| Copper [4] | E200.8 | µg/L | 2.9-30 | 0.337 | BQ1 | 1.51 | |
| Iron | E200.8 | µg/L | 1,000 | 196 | | 37.1 | |
| Lead [4] | E200.8 | µg/L | 0.54-19 | ND (0.2) | | 0.23 | |
| Magnesium | E200.8 | µg/L | NE | 337 | | 286 | |
| Manganese | E200.8 | µg/L | NE | 8.7 | | 2.54 | |
| Mercury | E1631 | µg/L | 0.77 | 0.0007 | BQ1 | 0.0009 | BQ1 |
| Molybdenum | E200.8 | µg/L | NE | ND (1) | | ND (1) | |
| Nickel [4] | E200.8 | µg/L | 16-170 | 0.161 | J, BQ1 | 0.189 | |
| Potassium | E200.8 | µg/L | NE | 260 | BQ1 | 267 | |
| Selenium [4] | E200.8 | µg/L | 5 | ND (1) | | ND (1) | |
| Silver | E200.8 | µg/L | NE | ND (0.02) | | ND (0.02) | |
| Sodium | E200.8 | µg/L | NE | 1570 | | 1380 | |
| Thallium | E200.8 | µg/L | NE | ND (0.05) | | ND (0.05) | |
| Tin | E200.8 | µg/L | NE | ND (1) | | ND (1) | |
| Vanadium | E200.8 | µg/L | NE | 0.474 | BQ1 | ND (0.4) | |
| Zinc [4] | E200.8 | µg/L | 37-390 | 3.52 | BQ1 | 8.34 | BQ |
| **Dissolved Metals** | | | | | | | |
| Aluminum | E200.8 | µg/L | NE | 13.9 | J | 18.4 | |
| Antimony | E200.8 | µg/L | NE | ND (0.2) | | 0.112 | |
| Arsenic | E200.8 | µg/L | 150 | ND (0.5) | | 0 | |
| Barium | E200.8 | µg/L | NE | 8.53 | | 7.58 | |
| Beryllium | E200.8 | µg/L | NE | ND (0.03) | | ND (0.03) | |
| Bismuth | E200.8 | µg/L | NE | ND (5) | | ND (5) | |
| Boron | E200.7 | µg/L | NE | ND (10) | | 3.3 | |
| Cadmium | E200.8 | µg/L | 0.094-0.64 | ND (0.1) | | ND (0.1) | |
| Calcium | E200.8 | µg/L | NE | 3030 | | 2820 | |
| Chromium[3,4] | E200.8 | µg/L | 24-230 | 0.134 | J, BQ | ND (0.2) | |
| Cobalt | E200.8 | µg/L | NE | 0.056 | J | 0.0332 | |
| Copper [4] | E200.8 | µg/L | 2.7-29 | 0.364 | BQ1 | 0.664 | |
| Iron | E200.8 | µg/L | NE | 78 | | ND (20) | |
| Lead [4] | E200.8 | µg/L | 0.54-11 | 0.107 | J, BQ1 | 0.207 | |
| Magnesium | E200.8 | µg/L | NE | 310 | | 282 | |
| Manganese | E200.8 | µg/L | NE | 7.23 | | 0.876 | |
| Molybdenum | E200.8 | µg/L | NE | ND (1) | | 0 | |
| Nickel [4] | E200.8 | µg/L | 16-170 | 0.287 | BQ1 | 0.253 | |
| Potassium | E200.8 | µg/L | NE | 269 | BQ1 | 274 | |

| Parameter | Method | Units | ADEC Criteria[1,2] | 092504GS4BSW001 GS4B 9/25/2004 | | 101504GS4BSW001 GS4B 10/15/2004 | |
|---|---|---|---|---|---|---|---|
| Selenium [4] | E200.8 | µg/L | 4.6 | ND (1) | | ND (1) | |
| Silicon | E200.7 | µg/L | NE | 2240 | | 1990 | |
| Silver | E200.8 | µg/L | NE | ND (0.02) | | ND (0.02) | |
| Sodium | E200.8 | µg/L | NE | 1490 | | 1520 | |
| Thallium | E200.8 | µg/L | NE | ND (0.05) | | ND (0.05) | |
| Tin | E200.8 | µg/L | NE | ND (1) | | ND (1) | |
| Vanadium | E200.8 | µg/L | NE | ND (0.4) | | ND (0.4) | |
| Zinc [4] | E200.8 | µg/L | 36-380 | 5.82 | BQ1 | 7.68 | |
| **Other Parameters** | | | | | | | |
| Acidity, Total | E305.2 | mg/L | NE | ND (10) | | ND (10) | |
| Alkalinity, Total | A2320B | mg/L | 20 | 7.75 | J | 7 | |
| Chloride | E300.0 | mg/L | 230 | 1.53 | | 1.43 | |
| Cyanide | A4500CN | mg/L | 5.2 | 0.0035 | J | 0.0028 | BQ |
| Cyanide, Weak Acid Dissociable | A4500CN | mg/L | NE | ND (0.005) | | 0.0038 | BQ |
| Fluoride | E300.0 | mg/L | NE | ND (0.1) | | ND (0.1) | |
| Hardness (total) | A2340B | mg/L | NE | 8.15 | | 8.27 | |
| Hardness (dissolved) | A2340B | mg/L | NE | 8.84 | | | |
| Nitrogen, Ammonia (as N) [5] | A4500NH | mg/L | 6.06 mg-N/L | 0.058 | J, BQ | 0.037 | |
| Nitrogen, Nitrate-Nitrate | E300.0 | mg/L | NE | 1.32 | J- | ND (1) | |
| pH | E150.1 | pH Units | 6.5-8.5 | 6.48 | | 6.9 | |
| Phosphorus, Total (as P) | E365.2 | mg/L | NE | ND (0.1) | | ND (0.1) | |
| Specific Conductance | A2510B | µmhos/cm | NE | 26.5 | | 26 | |
| Sulfates | E300.0 | mg/L | NE | 1.74 | | 1.7 | |
| Thiocyanate | A4500M | mg/L | NE | 0.17 | | 0.17 | |
| Total Dissolved Solids | A2540C | mg/L | 1,000 | 21.3 | | 21.3 | |
| Total Suspended Solids | EPA 160.2 | mg/L | NE | 8 | | 1 | |
| **Field Measurements** | | | | | | | |
| Conductivity | Field | mS/cm | NE | 0.02 | | 0.042 | |
| Dissolved Oxygen | Field | mg/L | 7-17 | 13.93 | | 12.42 | |
| pH | Field | pH units | 6.5-8.5 | 6.94 | | 6.9 | |
| Turbidity [6] | Field | NTU | 25 | 1 | | 2 | |
| Temperature | Field | °C | 13-20 | 6.9 | | 6.6 | |

Concentrations that exceed the ADEC criteria are highlighted.

See Appendix 6H-17 for explanation of data validation flags.

1 Alaska Administrative Code 18 Chapter 70 (18 AAC 70) Water Quality Standards (fresh water use for growth and propagation of fish, shellfish, other aquatic life, and wildlife).

2 Alaska Water Quality Criteria Manual for Toxic and Other Deleterious Organic and Inorganic Substances (aquatic life fresh water chronic).

3 Chromium III

4 Criteria are in the dissolved form. Total recoverable criteria shown in the Water Quality Manual are for calculation purposes only.

5 Ammonia varies based on pH and temperature. For pH of 6.5 and temperature of 16, ammonia criteria is 6.06 mg-N/L.

6 Criteria is 25 NTUs above natural conditions.

°C = degrees Celsius
ADEC = Alaska Department of Environmental Conservation
mg/L = milligrams per liter
µg/L = micrograms per liter
µmhos/cm = micromhos per centimeter
mS/cm = milliSiemens per centimeter
ND = not detected
NA = not available
NE = not established
NTU = nephelometric turbidity units

**TABLE 6H-16**
**2004 Validated Analytical Results - Iliamna River (GS-3A) - USGS Gauge 15300300**

| Parameter | Method | Units | ADEC Criteria[1,2] | 081904GS3ASW001 GS3A 8/19/2004 | | 092504GS3ASW001 GS3A 9/25/2004 | | 101904GS3ASW001 GS3A 10/19/2004 | |
|---|---|---|---|---|---|---|---|---|---|
| **Total Metals** | | | | | | | | | |
| Aluminum | E200.8 | µg/L | 87 | 77.1 | | 61.5 | | 141 | |
| Antimony | E200.8 | µg/L | NE | ND (0.2) | | ND (0.2) | | ND (0.2) | |
| Arsenic | E200.8 | µg/L | NE | ND (0.5) | | ND (0.5) | | ND (0.5) | |
| Barium | E200.8 | µg/L | NE | 7.75 | | 7.87 | | 9.92 | |
| Beryllium | E200.8 | µg/L | NE | ND (0.03) | | ND (0.03) | | ND (0.03) | |
| Bismuth | E200.8 | µg/L | NE | ND (5) | | ND (5) | | ND (5) | |
| Boron | E200.7 | µg/L | NE | 10.5 | BQ | 9 | J | ND (10) | |
| Cadmium | E200.8 | µg/L | 0.1-0.76 | ND (0.1) | | ND (0.1) | | ND (0.1) | |
| Calcium | E200.8 | µg/L | NE | 2130 | | 2460 | | 2280 | BQ1 |
| Chromium[3,4] | E200.8 | µg/L | 28-270 | 0.157 | J, BQ1 | 0.113 | J, BQ | 0 | |
| Cobalt | E200.8 | µg/L | NE | 0.0361 | J | 0.046 | J | 0.0546 | BQ1,J |
| Copper [4] | E200.8 | µg/L | 2.9-30 | 0.787 | | 0.485 | BQ1 | 0.706 | BQ1 |
| Iron | E200.8 | µg/L | 1,000 | 71.9 | | 70.6 | | 103 | |
| Lead [4] | E200.8 | µg/L | 0.54-19 | ND (0.2) | | ND (0.2) | | 1.2 | |
| Magnesium | E200.8 | µg/L | NE | 163 | | 175 | | 210 | |
| Manganese | E200.8 | µg/L | NE | 2.81 | | 3.36 | | 2.91 | BQ1 |
| Mercury | E1631 | µg/L | 0.77 | 0.0017 | BQ1 | 0.0015 | BQ1 | 0.0017 | BQ1 |
| Molybdenum | E200.8 | µg/L | NE | ND (1) | | ND (1) | | ND (1) | |
| Nickel [4] | E200.8 | µg/L | 16-170 | ND (0.2) | | 0.115 | J, BQ1 | 0.0633 | BQ1,J |
| Potassium | E200.8 | µg/L | NE | 331 | | 293 | BQ1 | 252 | |
| Selenium [4] | E200.8 | µg/L | 5 | ND (1) | | ND (1) | | ND (1) | |
| Silver | E200.8 | µg/L | NE | ND (0.02) | | ND (0.02) | | ND (0.02) | |
| Sodium | E200.8 | µg/L | NE | 1050 | | 1040 | BQ1 | 1090 | BQ1 |
| Thallium | E200.8 | µg/L | NE | ND (0.05) | | ND (0.05) | | ND (0.05) | |
| Tin | E200.8 | µg/L | NE | ND (1) | | ND (1) | | ND (1) | |
| Vanadium | E200.8 | µg/L | NE | 0.607 | | 0.559 | BQ1 | 0.49 | BQ1 |
| Zinc [4] | E200.8 | µg/L | 37-390 | 1.08 | J, BQ | 1.95 | BQ1 | 2.48 | BQ1 |
| **Dissolved Metals** | | | | | | | | | |
| Aluminum | E200.8 | µg/L | NE | 12.7 | J | 14.8 | J | 18.8 | BQ,BQ1,J |
| Antimony | E200.8 | µg/L | NE | ND (0.2) | | ND (0.2) | | ND (0.2) | |
| Arsenic | E200.8 | µg/L | 150 | ND (0.5) | | ND (0.5) | | ND (0.5) | |
| Barium | E200.8 | µg/L | NE | 7.14 | | 7.42 | | 7.28 | |
| Beryllium | E200.8 | µg/L | NE | ND (0.03) | | ND (0.03) | | ND (0.03) | |
| Bismuth | E200.8 | µg/L | NE | ND (5) | | ND (5) | | ND (5) | |
| Boron | E200.7 | µg/L | NE | 9.2 | J, BQ | 8.2 | J | ND (10) | |
| Cadmium | E200.8 | µg/L | 0.094-0.64 | ND (0.1) | | ND (0.1) | | ND (0.1) | |
| Calcium | E200.8 | µg/L | NE | 2000 | | 2330 | | 2200 | BQ1 |
| Chromium[3,4] | E200.8 | µg/L | 24-230 | ND (0.2) | | 0.11 | J, BQ | ND (0.2) | |
| Cobalt | E200.8 | µg/L | NE | ND (0.1) | | ND (0.1) | | 0.0312 | BQ1,J |
| Copper [4] | E200.8 | µg/L | 2.7-29 | 0.656 | BQ1 | 0.346 | BQ1 | 0.353 | BQ1 |
| Iron | E200.8 | µg/L | NE | 21.4 | | 33.5 | BQ1 | 19.1 | BQ1,J |
| Lead [4] | E200.8 | µg/L | 0.54-11 | 0.134 | J, BQ1 | ND (0.2) | | 0.217 | |
| Magnesium | E200.8 | µg/L | NE | 146 | | 169 | | 170 | |
| Manganese | E200.8 | µg/L | NE | 2.05 | | 2.86 | | 1.79 | BQ1 |
| Molybdenum | E200.8 | µg/L | NE | ND (1) | | ND (1) | | ND (1) | |
| Nickel [4] | E200.8 | µg/L | 16-170 | 0.107 | J, BQ1 | 0.18 | J, BQ1 | 0.236 | BQ1 |
| Potassium | E200.8 | µg/L | NE | 303 | | 277 | BQ1 | 240 | |

| Parameter | Method | Units | ADEC Criteria[1,2] | 081904GS3ASW001 GS3A 8/19/2004 | | 092504GS3ASW001 GS3A 9/25/2004 | | 101904GS3ASW001 GS3A 10/19/2004 | |
|---|---|---|---|---|---|---|---|---|---|
| Selenium [4] | E200.8 | µg/L | 4.6 | ND (1) | | ND (1) | | ND (1) | |
| Silicon | E200.7 | µg/L | NE | 2040 | | 2210 | | 2120 | BQ1 |
| Silver | E200.8 | µg/L | NE | ND (0.02) | | 0.0084 | J | ND (0.02) | |
| Sodium | E200.8 | µg/L | NE | 988 | | 1040 | BQ1 | 1030 | BQ1 |
| Thallium | E200.8 | µg/L | NE | ND (0.05) | | ND (0.05) | | ND (0.05) | |
| Tin | E200.8 | µg/L | NE | ND (1) | | ND (1) | | ND (1) | |
| Vanadium | E200.8 | µg/L | NE | 0.318 | J | 0.584 | BQ1 | 0.32 | BQ1,J |
| Zinc [4] | E200.8 | µg/L | 36-380 | 1.61 | BQ, BQ1 | 2.67 | BQ1 | 2.3 | BQ1 |
| **Other Parameters** | | | | | | | | | |
| Acidity, Total | E305.2 | mg/L | NE | 3.4 | J | ND (10) | | ND (10) | |
| Alkalinity, Total | A2320B | mg/L | 20 | 6 | | 6.25 | J | 6 | J |
| Chloride | E300.0 | mg/L | 230 | 0.587 | | 0.81 | | 0.906 | J- |
| Cyanide | A4500CN | mg/L | 5.2 | ND (0.005) | | ND (0.005) | | 0.0036 | J |
| Cyanide, Weak Acid Dissociable | A4500CN | mg/L | NE | ND (0.005) | | ND (0.005) | | ND (0.005) | |
| Fluoride | E300.0 | mg/L | NE | ND (0.1) | | ND (0.1) | | ND (0.1) | J |
| Hardness (total) | A2340B | mg/L | NE | 6 | | 6.86 | | 6.56 | |
| Hardness (dissolved) | A2340B | mg/L | NE | 5.59 | | 6.52 | | | |
| Nitrogen, Ammonia (as N) [5] | A4500NH | mg/L | 6.06 mg-N/L | 0.184 | | 0.253 | BQ | ND (0.1) | |
| Nitrogen, Nitrate-Nitrate | E300.0 | mg/L | NE | ND (1) | | ND (1) | | 1.25 | |
| pH | E150.1 | pH Units | 6.5-8.5 | 7.09 | | 6.5 | | 7.1 | |
| Phosphorus, Total (as P) | E365.2 | mg/L | NE | ND (0.1) | | ND (0.1) | | ND (0.1) | |
| Specific Conductance | A2510B | µmhos/cm | NE | 19 | | 21 | | 19.5 | |
| Sulfates | E300.0 | mg/L | NE | 1.36 | | 1.69 | | 1.48 | J- |
| Thiocyanate | A4500M | mg/L | NE | ND (1) | | 0.14 | | 0.71 | J |
| Total Dissolved Solids | A2540C | mg/L | 1,000 | 5 | J | 17.5 | | 22.5 | BQ,J- |
| Total Suspended Solids | EPA 160.2 | mg/L | NE | 0.7 | | 1.2 | | 1.9 | |
| **Field Measurements** | | | | | | | | | |
| Conductivity | Field | mS/cm | NE | 0.028 | | 0.16 | | 0.072 | |
| Dissolved Oxygen | Field | mg/L | 7-17 | 11.5 | | 15.32 | | 13.4 | |
| pH | Field | pH units | 6.5-8.5 | 7.7 | | 6.69 | | 5.61 | |
| Turbidity [6] | Field | NTU | 25 | 0 | | 28 | | 125 | |
| Temperature | Field | °C | 13-20 | 13.1 | | 8.5 | | 4 | |

Concentrations that exceed the ADEC criteria are highlighted.

See Appendix 6H-17 for explanation of data validation flags.

1 Alaska Administrative Code 18 Chapter 70 (18 AAC 70) Water Quality Standards (fresh water use for growth and propagation of fish, shellfish, other aquatic life, and wildlife).

2 Alaska Water Quality Criteria Manual for Toxic and Other Deleterious Organic and Inorganic Substances (aquatic life fresh water chronic).

3 Chromium III

4 Criteria are in the dissolved form. Total recoverable criteria shown in the Water Quality Manual are for calculation purposes only.

5 Ammonia varies based on pH and temperature. For pH of 6.5 and temperature of 16, ammonia criteria is 6.06 mg-N/L.

6 Criteria is 25 NTUs above natural conditions.

°C = degrees Celsius

ADEC = Alaska Department of Environmental Conservation

mg/L = milligrams per liter

µg/L = micrograms per liter

µmhos/cm = micromhos per centimeter

mS/cm = milliSiemens per centimeter

ND = not detected

NA = not available

NE = not established

NTU = nephelometric turbidity units

**Data Validation Flags:**

R – The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the sample.

U – The analyte was analyzed, but was not detected above the level of the reported sample quantitation limit.

J – The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.

J+ – The result is an estimated quantity, but the result may be biased high.

J- – The result is an estimated quantity, but the result may be biased low.

BQ – The result is associated with blank contamination at a level less than or equal to five times the concentration in the blank (ten times for common laboratory contaminants). Result should be considered not detected at the concentration of the MRL for

BQ1 – The result is associated with inorganic field blank (equipment blank, DI water blank or trip blank) contamination at a level less than or equal to five times the concentration in the blank for contaminants below the MRL (ten times for contaminants a

BQ2 – The result is associated with organic blank contamination at a level less than or equal to five times the concentration in the blank (ten times for common laboratory contaminants). Result should be considered not detected at the concentration of the

BQ3 – The result is associated with organic field blank (equipment blank, DI water blank or trip blank) contamination at a level less than or equal to five times the concentration in the blank (ten times for common laboratory contaminants). Result should