

## Field Inspection Report -Pebble Copper/Gold Exploration Project-

Personnel: Mark Fink, ADF&G  
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Inspection Date: April 17, 2008

APMA No.: A086118

**Inspection Type**

- Complete:
- Partial:
- Follow-up:
- Response to complaint:

**Weather Conditions**

- Temperature: **35 F**
- Wind: **16 mph WSW**
- Precipitation and types: **None**
- Visibility: **> 10 miles at airport**
- Sky Conditions: **Fair to cloudy**
- Ground conditions: **3 to 4 feet of snow at site**

**Wildlife Observed**

- Bear:
- Caribou:
- Moose:
- Waterfowl:
- Fish:
- Other: **Raven**

**Water level Frying Pan Lake\***

- Observed inflow: Yes \_\_\_ No \_\_\_
- Observed outflow: Yes \_\_\_ No \_\_\_

**\*Did not fly over Frying Pan Lake**

**Comments:**

Field inspection cut short due to low visibility at site.

**Recommendations:**

For surface water sources: recommend that water depth, where the intake structure is placed, be measured on a routine basis to ensure that the structure is fully submerged and that water availability is of sufficient flow/quantity to meet water use needs. Fish-bearing water sources, routine evaluations also should document the integrity of the intake screen. Agency representatives must have access to intake structures from fish streams/lakes during inspections.

**Actions Needed:**

**Well/Site No.: 8405**

**Activity: Drilling**

**Rig: No. 1**

**Date.: April 17, 2008**

**Condition of Drilling Site**

- Distance from water body: **>100 ft.**
- Location of fuel storage: **On pad.**
- Sorbent Pads Present or Not: **Present**
- Tundra Mat: **Yes**
- Pipe off Tundra: **Yes**
- Litter: **None**
- Activity: **Drilling**
- Trash Containment: **Present**
- Sanitary Facilities: **Present**
- Any spills or staining, or 'none' for that matter:  
**None**
- General impression of site: **Clean.**

**Drilling Activity**

- Drill additives in use (list): **NA**
- Water discharged: **Yes/bypass water discharged to tundra. Water was clear.**
- Drill water recirculation: **Yes. Recirculation system included three tanks used as a settling system for cuttings.**
- Artesian zone encountered: **NA**

**Sump Pit: No**

- Location: **NA**
- Discharge trench: **NA**
- Dimension pit: **NA**
- In use: **NA**

**Sump Pit Cont'd**

- Location and extent of discharged material? **NA**
- Topsoil, muck, tundra stockpiled: **NA**
- Location of secondary sump pit: **NA/recirculating drill mud**
- Hose color:

**Drill Water Supply**

- Stream/Lake/Pond/Well: **Water well No. 6344**
- Location: **SW<sup>1</sup>/<sub>4</sub>NE<sup>1</sup>/<sub>4</sub> Sec. 23, T3S, R35W, S.M. (see location map)**
- Adequate water flow and depth for fish passage in streams? **NA**
- Evidence of significant impacts to riparian vegetation or stream banks? **NA**
- Relative water level? **NA**
- General impression of water body, i.e. clear, turbid, tannic colored, etc.?
- Intake structure: **NA**
- Structure clear of debris: **NA**
- Mesh size: **NA**
- Submerged: **NA**
- Pump location to source: **On a platform over the well head.**
- Catch basin for fuel supply: **Yes**
- Sorbent Pads Present or Not: **Yes**
- Hose color: **Could not determine as hose had black foam pipe insulation covering.**

Well/Site No.: 8402

Rig: No. 2

Activity: Drilling

Date.: April 17, 2008

Condition of Drilling Site\*

\* Did not inspect rig site owing to weather.

- Distance from water body:
- Location of fuel storage:
- Sorbent Pads Present or Not:
- Tundra Mat:
- Pipe off Tundra:
- Litter:
- Trash Containment:
- Sanitary Facilities:
- Any spills or staining, or 'none' for that matter:
- General impression of site:

Drilling Activity

- Drill additives in use (list):
- Drill water discharged:
- Water recirculation:
- Artesian zone encountered:

Sump Pit

- Location:
- Discharge trench:
- Dimension pit:
- In use:
- Location and extent of discharged material?

Sump Pit Cont'd

- Topsoil, muck, tundra stockpiled:
- Location of secondary sump pit:
- Hose color:

Drill Water Supply

- Stream/Lake/Pond: **Unnamed tributary to Upper Talarik Creek.**
- Location of take point: **NE<sup>1</sup>/<sub>4</sub>NW<sup>1</sup>/<sub>4</sub> Sec. 23, T3S, R35W, S.M. (see location map)**
- Adequate water flow and depth for fish passage in streams? **Unknown.**
- Evidence of significant impacts to riparian vegetation or stream banks? **Unknown, tributary under 3 to 4 feet of snow cover.**
- Relative water level? **Unknown**
- General impression of water body, i.e. clear, turbid, tannic colored, etc.? **Not observed.**
- Intake structure: **In use. Could not inspect owing to conditions. Opening to creek was iced over.**
- Structure clear of debris: **Unknown.**
- Mesh size: **Unknown**
- Submerged: **Unknown.**
- Pump location to source: **Pump located on a tundra pad within a secondary catch basin.**
- Catch basin for fuel supply: **Yes.**
- Sorbent Pads Present or Not: **Yes.**
- Hose color: **Could not observe as covered in black foam piping insulation.**

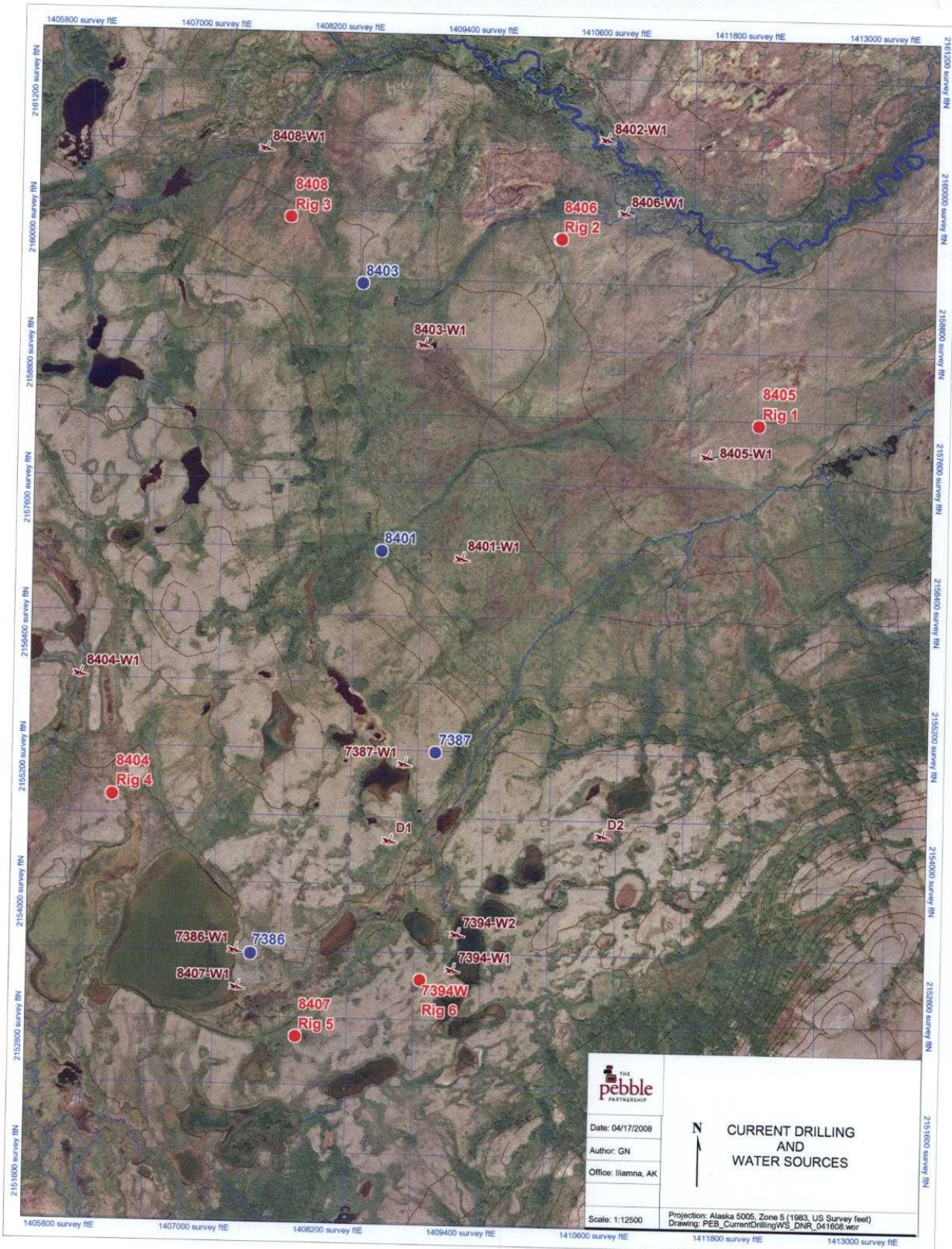




Figure 1. Rig no. 1 on drill site no.8405. Note tundra pad.



Figure 2. Secondary catch basin for pump fuel tank, rig no. 1 water source.



Figure 3. Drilling mud recirculation system, rig no. 1.



Figure 4. Rig no. 1 bypass water discharged to tundra.



Figure 5. Circulation tank at water source location for rig no. 2



Figure 6. Drill site 8405, rig no. 1.

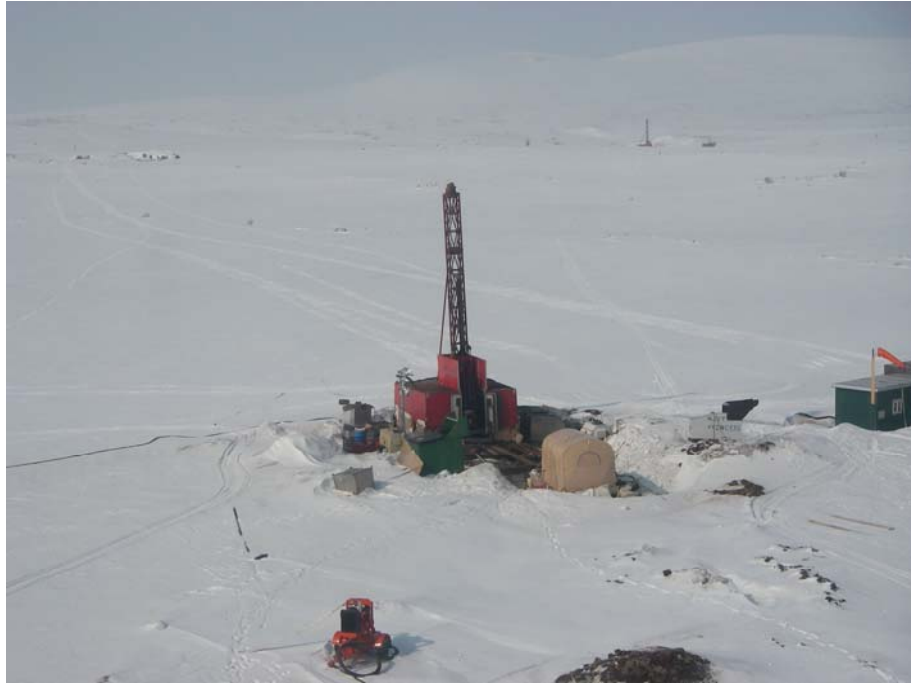


Figure 6. Drill site no. 8402, rig no. 2.