

Field Report -Pebble Copper/Gold Exploration Project-

Personnel: Jim Vohden (ADNR/DMLW) and
Shawn Stokes (ADEC)

Site Visit Date: 13 September 2007

APMA No.: A076118

Inspection Type

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

Weather Conditions

- Temperature: **Approx 50-55 F**
- Wind: **calm/mild**
- Precipitation and types: **brief light rain**
- Visibility: **5 miles**
- Sky Conditions: **100 % overcast 1000 feet**
- Ground conditions: **Damp**

Wildlife Observed

- Bear:
- Caribou:
- Moose:
- Waterfowl:
- Fish:
- Other: none

Water level Frying Pan Lake

- Observed inflow: Yes X No _____
- Observed outflow: Yes X No _____

Comments:

- In response to previous comments regarding apparently decreasing water levels at area ponds, two stakes were installed perpendicular to the waters edge at an unnamed pond where water is being utilized for drilling. The first stake (wooden lathe, 6" stickup with pink on top) is located at N59 53 34.7 W155 15 37.8 (NAD27AK). The stake is approximately 1' into the tundra vegetation away from the cobbled/muddy substrate of the pond. The current edge of water is 16' from this stake. A second stake was set 10' away from this stake, and is 26' from the edge of water. These stakes will be located after breakup 2008 to assess the water level of the pond at that time.

The inlet to this pond is across the diameter from the stake location and appears to be comprised of drainage from the immediate vicinity, the flow is estimated at 10gpm. The water level of the pond itself was typical of some ponds in the vicinity and the region; some ponds appear to be at "normal" water levels, others appear to be below "normal" levels.

Recommendations:

- Drillholes not in use anymore should be plugged appropriately and drill sites reclaimed. One hole was located that was drilled in 2006 and not plugged or reclaimed (drill hole 6347).

Actions Needed:

- None

Well/Site No.: EZE-H5330

Rig: No. 7

Activity: Standby (doing repairs)

Date.: 13 September 2007

Condition of Drilling Site

- Distance from water body:
- Location of fuel storage: **On pad.**
- Sorbent Pads Present or Not: **NA**
- Tundra Mat: **Yes**
- Pipe off Tundra: **Yes**
- Litter: **None**
- Activity: **Standby-making repairs**
- Trash Containment: **Yes**
- Sanitary Facilities: **Yes**
- Any spills or staining, or 'none' for that matter:
None
- General impression of site: **Clean. No disturbance to tundra other than sump pit and trench.**

Drilling Activity

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

Sump Pit

- Location: **Next to rig.**
- Discharge trench: **Yes. Approx 6 inches deep and 10 inches wide**
- Dimension pit: **Approximately 6'x6'**
- In use: **Yes. Two sump pits in line**

Sump Pit Cont'd

- Location and extent of discharged material? **In sump.**
- Topsoil, muck, tundra stockpiled: **Yes**
- Location of secondary sump pit: **Adjacent**
- Hose color: **white**

Drill Water Supply

- Stream/Lake/Pond: **Well**
- Location: **N59 53 52.2 W155 15 09.2 (NAD27AK)**
- 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.? **NA**
- Intake structure: **NA**
- Structure clear of debris: **NA**
- Mesh size: **NA**
- Submerged: **NA**
- Pump location to source: **NA**
- Catch basin for fuel supply: **Yes**
- Sorbent Pads Present or Not: **Yes**
- Hose color: **Yellow**

Well/Site No.: N/A

Activity: Drilling

Rig: No. 1

Date: 13 September 2007

Condition of Drilling Site

- Distance from water body: ~100'
- Location of fuel storage: **On pad.**
- Sorbent Pads Present or Not: **Yes**
- Tundra Mat: **Yes**
- Pipe off Tundra: **Mostly, 2 sticks of pipe on tundra. Others stockpiled on platform.**
- Litter: **Some minor personal litter (cups, empty food wrappers)**
- Trash Containment: **Yes**
- Sanitary Facilities: **Yes**
- Any spills or staining, or 'none' for that matter: **None**
- General impression of site: **Not as clean and tidy as Rig No. 7, however no serious environmental concerns.**

Drilling Activity

- Drill additives in use (list): **Unknown**
- Drill water discharged: **Yes to sump system.**
- Water recirculation: **Yes, through the use of baffled metal tanks.**
- Artesian zone encountered: **Unknown**

Sump Pit

- Location: **Down slope of rig to the south.**
- Discharge trench: **Yes. Approx 6 inches deep and 10 inches wide.**
- Dimension pit: **Not measured.**
- In use: **Yes.**
- Location and extent of discharged material?

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

Drill Water Supply

- Stream/Lake/Pond: **Surface water**
- Location: **N59 53 57.7 W155 15 03.9 (NAD27AK)**
- Adequate water flow and depth for fish passage in streams? **NA**
- Evidence of significant impacts to riparian vegetation or stream banks? **No impact to stream bank observed.**
- Relative water level? **Came up halfway on intake screen box.**
- General impression of water body, i.e. clear, turbid, tannic colored, etc.? **Good. Clear waters observed. No indication of pollution or sedimentation.**
- Intake structure: **In use. Intake cover box in place.**
- Structure clear of debris: **Yes, some leaves on screen above water.**
- Mesh size: **0.25 inches**
- Submerged: **Yes, as deep as it could go.**
- Pump location to source: **Approx. 100 feet.**
- Catch basin for fuel supply: **Yes.**
- Sorbent Pads Present or Not: **Yes.**
- Hose color: **White**

Abandoned Drill Site No.: 7366

Date: 13 September 2007

- Plugged: **Yes.**
- Cemented: **Unknown.**
- Standing pipe: **Yes.**
- Sump pit filled in: **Apparently, sump is not visible.**
- Water discharge trench filled in: **Yes.**
- Site re-vegetated: **Yes.**
- Artesian water present: **No.**
- Any spills or staining, or 'none': **None observed.**
- Comments: **Site looks good, straw/hay at site indicative of seed placement, and some new grass growth.**

Abandoned Drill Site No.: 6347

Date: 13 September 2007

- Plugged: **No.**
- Cemented: **No.**
- Standing pipe: **Yes, and wooden stake marked location site.**
- Sump filled in: **NA.**
- Water discharge trench filled in: **Yes.**
- Site re-vegetated: **No.**
- Artesian water present: **No.**
- Any spills or staining, or 'none': **None observed.**
- Comments: **Drill hole is not plugged or cemented yet and site has apparently not been reclaimed although there is straw/hay onsite indicative of seeding activities. Looking down the borehole a glare is apparent 10'-20' downhole. No trenches, pits or sumps seen. It appears as if this site utilized the centralized cuttings pond adjacent to site for discharge via a surface expression.**



Figure 1. Unnamed lake near Drill Rig 6, pink stake is in foreground marking distance to edge of water.



Figure 2. Water supply for Drill Rig 7, well "EZE-H5330".



Figure 3. Water intake screen at water source for Drill Rig 1.



Figure 4. Drill Rig 1.



Figure 5. Ground surface near borehole 6347.



Figure 6. View down borehole 6347.