Field Monitoring Report -- Pebble Copper/Gold Exploration Project --

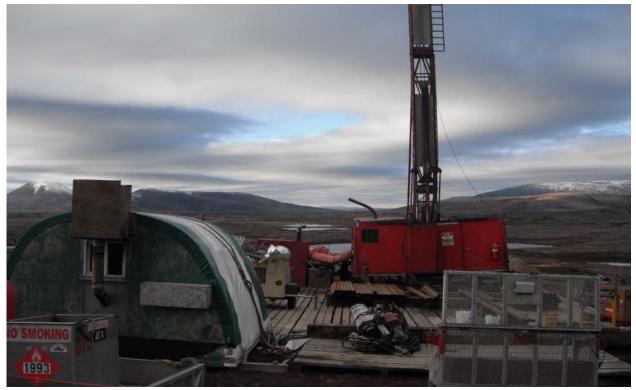
Personnel: Ron Benkert – ADF&G	Inspection Date: 10-13-2010
	Site Contact: Jeff Norberg
	APMA #: A106118
Inspection Type:	■ Wildlife Observed:
o Complete: x	 Bear: 1 brown bear – N. Fork Koktuli R.
o Partial:	o Caribou:
∘ Follow-up:	o Moose:
 Response to Public Complaint: 	o Waterfowl:
	o Fish:
Weather Conditions:	$_{\odot}$ Other: bald eagle, ptarmigan – N. Fork
o Temperature: 25 F	
○ Wind: 15 – 20 mph	Water level at Frying Pan Lake:
o Precipitation: none	$_{\odot}$ Observed inflow: Not observed
o Visibility: unlimited	\circ Observed outflow: Not observed
 Sky Conditions: partly cloudy 	Frying Pan Lake was frozen over
o Ground Conditions: dry/freezing	

Comments: ADF&G has verified inspected drill locations and water sources were properly noticed, per the PLP Water Withdrawal Notification Plan. The inspection included 2 regular drill rigs and 2 smaller geotechnical rigs. All sites were orderly and had proper tundra mats, fuel containment and spill supplies on hand. Screened intake structures were being used for water withdrawal at all sites. Each site was designated with the proper signage. All fuel sources were a minimum of 100 feet away from waterbodies. Rig #4 was in the process of being set up, but not in operation at the time of the inspection. Rig #4 water source had been signed, but no intake structure had been installed in the creek.

Recommendations: None - all exploratory activities complied with permits this inspection.

Actions Needed: None

Drill Hole/Site No.: 10523	Rig No.: 3
Activity: Exploratory Drilling	Date: 10-13-2010
Location: N 59.82994°,W -155.30426°	
Condition of Drilling Site:	■ Sump Pit (continued):
o Distance from waterbody: 0.31 miles	 Location and extent of discharged material: Just downslope from pits 20 x 50 feet
o Location of fuel storage: Adjacent to rig	$_{\odot}$ Topsoil, muck, tundra stockpiled: Yes
 Sorbent pads present: Yes 	 Location of secondary sump pit: 4 sump pits total joined by 5 foot trenches
o Tundra mat: Yes	o Hose color: White
 Pipe off tundra: Yes 	
o Litter: None	Drill Water Supply:
o Trash containment: Yes	o Stream, lake, kettle pond: Lake
o Sanitary facilities: Yes	o Location: N 59.83156°, W -155.31041°
o Any spills or staining: No	 Adequate water flow and depth for fish passage in streams: Yes
o General impression: Good	 Evidence of significant impacts to riparian vegetation or stream banks: No
	o Relative water level: Full
Drilling Activity:	 General impression of water body, i.e. clear, turbid, tannic: Clear
 Drill additives in use: Quik-Trol Gold/Extreme One 	o Intake structure: Yes
o Water recirculation: Yes	$_{\odot}$ Structure clear of debris: Yes
o Water discharged: Yes	o Mesh size: 1 x 12 mm
o Artesian zone encountered: No	o Submerged: Yes
	o Pump location to source: Approx. 110 ft.
Sump Pit:	\circ Catch basin for fuel supply: Yes
o Location: 50 feet from drill rig	o Sorbent pads: Yes
o Discharge trench: Yes	o Hose color: Yellow
$_{\odot}$ Dimensions of pit: 3 pits, 4x15 feet each	
o In use: Yes	



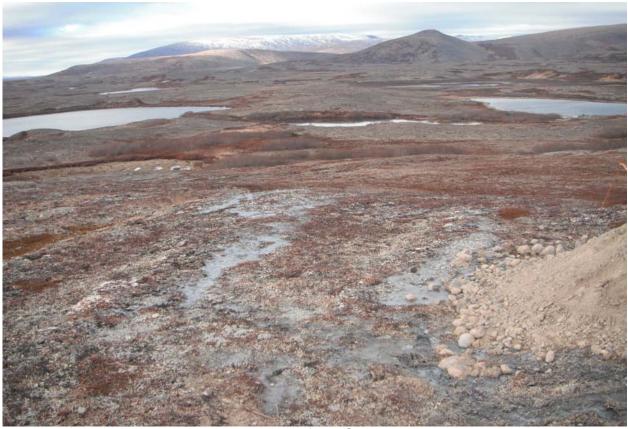
Drill Rig #3 – Drill Hole 10523



Drill Rig #3 – Drill Hole 10523 - Fuel Containment and Spill Kit



Drill Rig #3 – Drill Hole 10523 – Sump Pit



Drill Rig #3 – Drill Hole 10523 – Discharge from Sump Pit



Drill Rig #3 - Drill Hole 10523 - Water Source and Signage



Drill Rig #3 - Drill Hole 10523 - Screened Intake Structure

Drill Hole/Site No.: GH 10226	Rig No.: 2
Activity: Geotechnical drill hole	Date: 10-13-2010
Location: N 59.85712°, W -155.28940°	
Condition of Drilling Site:	Sump Pit (continued):
 Distance from waterbody: 530 ft. 	 Location and extent of discharged material: downhill of sump. Discharge covered an area approximately 30' x 60'.
o Location of fuel storage: Adjacent to drill rig	o Topsoil, muck, tundra stockpiled: Yes
 Sorbent pads present: Yes 	 Location of secondary sump pit: N/A
o Tundra mat: Yes	o Hose color: Yellow
 Pipe off tundra: Yes 	
o Litter: None	Drill Water Supply:
o Trash containment: Yes	o Stream, lake, kettle pond: Lake
 Sanitary facilities: Yes 	o Location: N 59.85857°, W -15528891°
 Any spills or staining: Minor amount of salt 	 Adequate water flow and depth for fish passage in streams: Yes
 General impression: Good. Some salt (about 3 lbs.) spilled on ground from de-icing tundra mat. 	 Evidence of significant impacts to riparian vegetation or stream banks: No
	 Relative water level: Full
Drilling Activity:	 General impression of water body, i.e. clear, turbid, tannic: Clear
 Drill additives in use: Poly-Drill Purevis 	o Intake structure: Yes
 Water recirculation: No 	o Structure clear of debris: Yes
o Water discharged: Yes	o Mesh size: 1 x 12 mm
 Artesian zone encountered: No 	o Submerged: Yes
	• Pump location to source: 163 ft.
Sump Pit:	• Catch basin for fuel supply: Yes
 Location: Approximately 20 ft. from drill rig 	o Sorbent pads: Yes
 Discharge trench: No 	o Hose color: Yellow
 Dimensions of pit: 4' x 6' 	
o In use: Yes	



Drill Rig #2 – GH 10266 – Frying Pan Lake in Background



Drill Rig #2 - GH 10266 - Fuel Containment



Drill Rig #2 – GH 10266 – Water Source Signage and Intake Structure (under ice)



Drill Rig #2 – GH 10266 – Water Source Pump Location and Fuel Containment

Date: 10-13-2010
Sump Pit (continued):
 Location and extent of discharged material: Adjacent to drill rig, minimal discharge
o Topsoil, muck, tundra stockpiled: Yes
 Location of secondary sump pit: N/A
o Hose color: Red
Drill Water Supply:
o Stream, lake, kettle pond: Stream
o Location: N 59.88428°, W -155.44724°
 Adequate water flow and depth for fish passage in streams: Yes
 Evidence of significant impacts to riparian vegetation or stream banks: No
o Relative water level: Normal
 General impression of water body, i.e. clear, turbid, tannic: Clear
o Intake structure: Yes
o Structure clear of debris: Yes
o Mesh size: 1 x 12 mm
o Submerged: Yes
 Pump location to source: Approximately 120 ft.
o Catch basin for fuel supply: Yes
o Sorbent pads: Yes
o Hose color: Yellow
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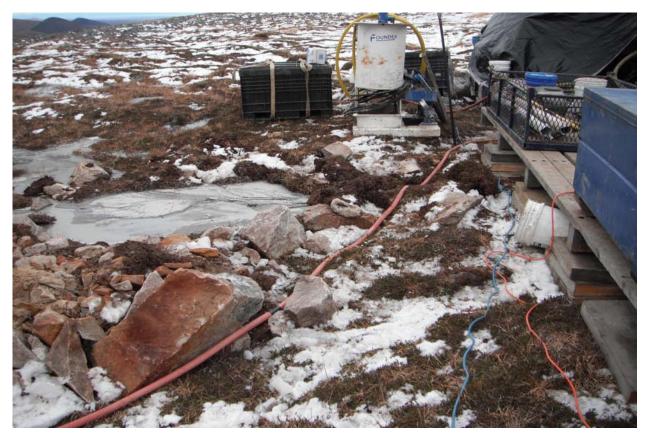


Drill Rig #1 – GH 10225



Drill Rig #1 – GH 10225 – Fuel Containment and Spill Kit

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Drill Rig #1 – GH 10225 – Sump Pit



Drill Rig #1 – GH 10225 – Water Intake and Signage

Drill Hole/Site No.: 10524	Rig No.: 4
Activity: Exploratory drilling	Date: 10-13-2010
Location: N 59.79461°, W -155.30318°	
Condition of Drilling Site:	Sump Pit (continued):
$_{\odot}$ Distance from waterbody: 0.30 miles	 Location and extent of discharged material: N/A
o Location of fuel storage: N/A	$_{\odot}$ Topsoil, muck, tundra stockpiled: Yes
o Sorbent pads present: Yes	 Location of secondary sump pit: 4 sump pits total joined by 4-5 foot trenches.
o Tundra mat: Yes	o Hose color: N/A
o Pipe off tundra: Yes	
o Litter: None	Drill Water Supply: Not in use
o Trash containment: Yes	$_{\odot}$ Stream, lake, kettle pond: Stream
 Sanitary facilities: Yes 	o Location: N 59.79872, W -155.30606°
$_{\odot}$ Any spills or staining: None	 Adequate water flow and depth for fish passage in streams: Yes
 General impression: Drill rig was not in operation, just being set up. 	 Evidence of significant impacts to riparian vegetation or stream banks: No
	o Relative water level: Normal
Drilling Activity:	 General impression of water body, i.e. clear, turbid, tannic: Clear
\circ Drill additives in use: N/A	o Intake structure: Onsite
o Water recirculation: N/A	o Structure clear of debris: N/A
o Water discharged: None	o Mesh size: 1 x 12 mm
o Artesian zone encountered: N/A	o Submerged: N/A
	o Pump location to source: N/A
■ Sump Pit:	\circ Catch basin for fuel supply: Yes
o Location: Adjacent to drill rig	o Sorbent pads: Yes
o Discharge trench: Yes, 4 total	o Hose color: Yellow
 Dimensions of pit: One was 17' x 5', 3 were 15' x 4' 	
o In use: No	



Drill Rig #4 – DH 10524



Drill Rig #4 – DH 10524 – Discharge Trench

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Drill Rig #4 – DH 10524 – Sump Pit and Water Recirculation Tank



Drill Rig #4 – DH 10524 – Fuel Containment



Drill Rig #4 – Water Source and Signage