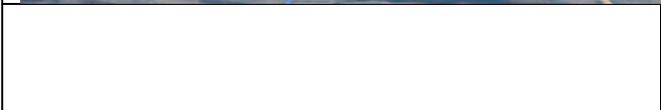
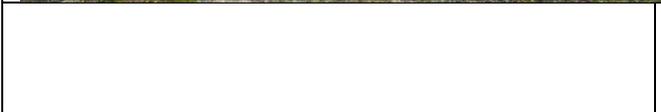


## Field Monitoring Report -- Pebble Copper/Gold Exploration Project --

Personnel: Gay Harpole (DEC/SPAR), Mike	Inspection Date: 7/17/2012
Walton (DNR/MLW), Jeff Norberg (Manager,	Site Contact: Jeff Norberg
Site Compliance & Reclamation, PLP)	APMA #: A126118
<input checked="" type="checkbox"/> Inspection Type:	<input checked="" type="checkbox"/> Wildlife Observed:
<input type="checkbox"/> Complete: X	<input type="checkbox"/> Bear:
<input type="checkbox"/> Partial:	<input type="checkbox"/> Caribou:
<input type="checkbox"/> Follow-up:	<input type="checkbox"/> Moose:
<input type="checkbox"/> Response to Public Complaint:	<input type="checkbox"/> Waterfowl:
	<input type="checkbox"/> Fish:
<input checked="" type="checkbox"/> Weather Conditions:	<input type="checkbox"/> Other: Ground Squirrels
<input type="checkbox"/> Temperature: 50°F +	
<input type="checkbox"/> Wind: Slight breeze	
<input type="checkbox"/> Precipitation: None	
<input type="checkbox"/> Visibility: Clear	
<input type="checkbox"/> Sky Conditions: Scattered Clouds	
<input type="checkbox"/> Ground Conditions: Dry	
<input checked="" type="checkbox"/> Comments: Ear plug in sump, one handful of Linseed soap lubricant on ground a few feet away from mat. Drill mud not present, water in sump.	
<input checked="" type="checkbox"/> Recommendations: Better housekeeping needed on this site.	
<input checked="" type="checkbox"/> Actions Needed: See above recommendations.	

Drill Hole/Site No.: 12547	Date: 7/17/2012
Rig No.: 3	Time: 1:05 pm
Activity: Cementing and casing for water	
<ul style="list-style-type: none"> <li>■ Condition of Drilling Site:</li> </ul>	<ul style="list-style-type: none"> <li>■ Sump Pit (continued):</li> </ul>
<ul style="list-style-type: none"> <li>○ Distance from water body: .2 mi</li> </ul>	<ul style="list-style-type: none"> <li>○ Location and extent of discharged material: About 30' from drill.</li> </ul>
<ul style="list-style-type: none"> <li>○ Location of fuel storage: Just east of mat</li> </ul>	<ul style="list-style-type: none"> <li>○ Topsoil, muck, tundra stockpiled: on liners</li> </ul>
<ul style="list-style-type: none"> <li>○ Sorbent pads present: yes</li> </ul>	<ul style="list-style-type: none"> <li>○ Hose color:</li> </ul>
<ul style="list-style-type: none"> <li>○ Tundra mat: good</li> </ul>	
<ul style="list-style-type: none"> <li>○ Pipe off tundra: yes</li> </ul>	<ul style="list-style-type: none"> <li>■ Drill Water Supply:</li> </ul>
<ul style="list-style-type: none"> <li>○ Litter:</li> </ul>	<ul style="list-style-type: none"> <li>○ Stream, lake/pond: Lincoln Lake (final:DDH12-547-W)</li> </ul>
<ul style="list-style-type: none"> <li>○ Trash containment: metal dumpster</li> </ul>	<ul style="list-style-type: none"> <li>■ Location: 59 53.29 N/155 16.55 W</li> </ul>
<ul style="list-style-type: none"> <li>○ Sanitary facilities: yes</li> </ul>	<ul style="list-style-type: none"> <li>○ Adequate water flow and depth for fish passage in streams: Yes</li> </ul>
<ul style="list-style-type: none"> <li>○ Any spills or staining: approx. a quart of linseed lube on tundra</li> </ul>	<ul style="list-style-type: none"> <li>○ Evidence of significant impacts to riparian vegetation or stream banks: No</li> </ul>
<ul style="list-style-type: none"> <li>○ General impression:</li> </ul>	<ul style="list-style-type: none"> <li>○ General impression of water body (i.e. clear, turbid, tannic): Clear</li> </ul>
	<ul style="list-style-type: none"> <li>○ Intake description: Mesh screen</li> </ul>
<ul style="list-style-type: none"> <li>■ Drilling Activity:</li> </ul>	<ul style="list-style-type: none"> <li>○ Structure clear of debris: yes</li> </ul>
<ul style="list-style-type: none"> <li>○ Drill additives in use: Water only.</li> </ul>	<ul style="list-style-type: none"> <li>○ Mesh size: standard</li> </ul>
<ul style="list-style-type: none"> <li>○ Recirculation tank: No - just put on line</li> </ul>	<ul style="list-style-type: none"> <li>○ Submerged: Yes</li> </ul>
<ul style="list-style-type: none"> <li>○ Water discharged: To 3 sumps.</li> </ul>	<ul style="list-style-type: none"> <li>○ Fuel/generator location to source: 120 ft from source</li> </ul>
<ul style="list-style-type: none"> <li>○ Artesian zone encountered:</li> </ul>	<ul style="list-style-type: none"> <li>○ Catch basin for fuel supply: yes</li> </ul>
	<ul style="list-style-type: none"> <li>○ Sorbent pads: yes</li> </ul>
<ul style="list-style-type: none"> <li>■ Sump Pit:</li> </ul>	<ul style="list-style-type: none"> <li>○ Hose color: yellow</li> </ul>
<ul style="list-style-type: none"> <li>○ Location: Just north of pad</li> </ul>	
<ul style="list-style-type: none"> <li>○ Discharge trench: yes</li> </ul>	
<ul style="list-style-type: none"> <li>○ Dimensions of pit:</li> </ul>	
<ul style="list-style-type: none"> <li>○ In use: Yes</li> </ul>	
<ul style="list-style-type: none"> <li>■ Other Comments: Water source is showing Signs of approximately 1 foot drawdown on bank. Water inflow to lake from stream and seeps is estimated by visual observation to exceed the 25 gpm pump rate. Norberg stated pumping began night of July 13, 2012, so continuous pumping could only have caused about 0.5-inch drawdown of the lake, assuming no other inflow to the lake. Norberg subsequently reported existence of a beaver dam upstream of this lake that contributed to lowered lake level.</li> </ul>	





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

Personnel: Gay Harpole (DEC/SPAR), Mike	Inspection Date: 7/17/2012
Walton (DNR/MLW), Jeff Norberg (Manager,	Site Contact: Jeff Norberg
Site Compliance & Reclamation, PLP)	APMA #: A126118
<input checked="" type="checkbox"/> Inspection Type:	<input checked="" type="checkbox"/> Wildlife Observed:
<input type="checkbox"/> Complete: X	<input type="checkbox"/> Bear:
<input type="checkbox"/> Partial:	<input type="checkbox"/> Caribou:
<input type="checkbox"/> Follow-up:	<input type="checkbox"/> Moose:
<input type="checkbox"/> Response to Public Complaint:	<input type="checkbox"/> Waterfowl:
	<input type="checkbox"/> Fish:
<input checked="" type="checkbox"/> Weather Conditions:	<input type="checkbox"/> Other: Ground Squirrels
<input type="checkbox"/> Temperature: 50°F +	
<input type="checkbox"/> Wind: Slight breeze	
<input type="checkbox"/> Precipitation: None	
<input type="checkbox"/> Visibility: Clear	
<input type="checkbox"/> Sky Conditions: Scattered Clouds	
<input type="checkbox"/> Ground Conditions: Dry	
<input checked="" type="checkbox"/> Comments:	
<input checked="" type="checkbox"/> Recommendations:	
<input checked="" type="checkbox"/> Actions Needed:	

Drill Hole/Site No.: 12545	Date: 7/17/2012
Rig No.: 2	Time: 2:15 PM
Activity: Moving grouting hole, just finished grout.	
<ul style="list-style-type: none"> <li>■ Condition of Drilling Site:</li> </ul>	<ul style="list-style-type: none"> <li>■ Sump Pit (continued):</li> </ul>
<ul style="list-style-type: none"> <li>○ Distance from water body: .2 mi</li> </ul>	<ul style="list-style-type: none"> <li>○ Location and extent of discharged material:</li> </ul>
<ul style="list-style-type: none"> <li>○ Location of fuel storage: On pad.</li> </ul>	<ul style="list-style-type: none"> <li>○ Topsoil, muck, tundra stockpiled: on liners</li> </ul>
<ul style="list-style-type: none"> <li>○ Sorbent pads present: yes</li> </ul>	<ul style="list-style-type: none"> <li>○ Hose color: White (to discharge)</li> </ul>
<ul style="list-style-type: none"> <li>○ Tundra mat: good</li> </ul>	
<ul style="list-style-type: none"> <li>○ Pipe off tundra: yes</li> </ul>	<ul style="list-style-type: none"> <li>■ Drill Water Supply: Stream</li> </ul>
<ul style="list-style-type: none"> <li>○ Litter: No</li> </ul>	
<ul style="list-style-type: none"> <li>○ Trash containment: metal dumpster</li> </ul>	<ul style="list-style-type: none"> <li>■ Location: .25 mile from rig</li> </ul>
<ul style="list-style-type: none"> <li>○ Sanitary facilities: yes</li> </ul>	<ul style="list-style-type: none"> <li>○ Adequate water flow and depth for fish passage in streams: appears yes, based on hover over water intake site. Bear sighting the evening before (reported by drilling crew) and fresh bear scat along route of water intake line (near brushy area) prevented observation from ground.</li> </ul>
<ul style="list-style-type: none"> <li>○ Any spills or staining: No</li> </ul>	<ul style="list-style-type: none"> <li>○ Evidence of significant impacts to riparian vegetation or stream banks: No</li> </ul>
<ul style="list-style-type: none"> <li>○ General impression: Site clean/good condition</li> </ul>	<ul style="list-style-type: none"> <li>○ General impression of water body (i.e. clear, turbid, tannic): Clear</li> </ul>
	<ul style="list-style-type: none"> <li>○ Intake description: Mesh screen</li> </ul>
<ul style="list-style-type: none"> <li>■ Drilling Activity:</li> </ul>	<ul style="list-style-type: none"> <li>○ Structure clear of debris: yes</li> </ul>
<ul style="list-style-type: none"> <li>○ Drill additives in use: Extreme # one and quik-trol-gold.</li> </ul>	<ul style="list-style-type: none"> <li>○ Mesh size: standard</li> </ul>
<ul style="list-style-type: none"> <li>○ Recirculation tank: Yes, recirculating</li> </ul>	<ul style="list-style-type: none"> <li>○ Submerged: Yes</li> </ul>
<ul style="list-style-type: none"> <li>○ Water discharged: yes, about 200 feet to uplands.</li> </ul>	<ul style="list-style-type: none"> <li>○ Fuel/generator location to source: over 100 ft from source</li> </ul>
<ul style="list-style-type: none"> <li>○ Artesian zone encountered: no</li> </ul>	<ul style="list-style-type: none"> <li>○ Catch basin for fuel supply: yes</li> </ul>
	<ul style="list-style-type: none"> <li>○ Sorbent pads: yes</li> </ul>
<ul style="list-style-type: none"> <li>■ Sump Pit:</li> </ul>	<ul style="list-style-type: none"> <li>○ Hose color: yellow</li> </ul>
<ul style="list-style-type: none"> <li>○ Location: Just south of pad</li> </ul>	
<ul style="list-style-type: none"> <li>○ Discharge trench: yes</li> </ul>	<ul style="list-style-type: none"> <li>■ Other Comments: broken glass tube (about 1-inch diameter by 1-foot long) found on tundra, unknown origin.</li> </ul>
<ul style="list-style-type: none"> <li>○ Dimensions of pit: standard, 3 in use.</li> </ul>	
<ul style="list-style-type: none"> <li>○ In use: Yes</li> </ul>	





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

Personnel: Gay Harpole (DEC/SPAR), Mike	Inspection Date: 7/17/2012
Walton (DNR/MLW), Jeff Norberg (Manager,	Site Contact: Jeff Norberg
Site Compliance & Reclamation, PLP)	APMA #: A126118
<input checked="" type="checkbox"/> Inspection Type:	<input checked="" type="checkbox"/> Wildlife Observed:
<input type="checkbox"/> Complete:	<input type="checkbox"/> Bear:
<input type="checkbox"/> Partial: X Flyover	<input type="checkbox"/> Caribou:
<input type="checkbox"/> Follow-up:	<input type="checkbox"/> Moose:
<input type="checkbox"/> Response to Public Complaint:	<input type="checkbox"/> Waterfowl:
	<input type="checkbox"/> Fish:
<input checked="" type="checkbox"/> Weather Conditions:	<input type="checkbox"/> Other:
<input type="checkbox"/> Temperature: 50°F +	
<input type="checkbox"/> Wind: Slight breeze	
<input type="checkbox"/> Precipitation: None	
<input type="checkbox"/> Visibility: Clear	
<input type="checkbox"/> Sky Conditions: Scattered Clouds	
<input type="checkbox"/> Ground Conditions: Dry	
<input checked="" type="checkbox"/> Comments:	
<input checked="" type="checkbox"/> Recommendations:	
<input checked="" type="checkbox"/> Actions Needed:	

Drill Hole/Site No.: GH12-304S (S = Sonic)	Date: 7/17/2012
Rig No.: 5	Time: 2:25 PM
Activity: None – down for repairs.	
■ Condition of Drilling Site:	■ Sump Pit (continued):
○ Distance from water body:	○ Location and extent of discharged material:
○ Location of fuel storage:	○ Topsoil, muck, tundra stockpiled: on liners
○ Sorbent pads present: yes	○ Hose color: Yellow
○ Tundra mat: good	
○ Pipe off tundra: yes	■ Drill Water Supply: Stream
○ Litter: No	
○ Trash containment: metal dumpster	■ Location:
○ Sanitary facilities: yes good	○ Adequate water flow and depth for fish passage in streams: appears yes
○ Any spills or staining: No	○ Evidence of significant impacts to riparian vegetation or stream banks: No
○ General impression: Site clean/good condition	○ General impression of water body (i.e. clear, turbid, tannic): Clear
	○ Intake description: Mesh screen
■ Drilling Activity: None at the time	○ Structure clear of debris: yes
○ Drill additives in use:	○ Mesh size: standard
○ Recirculation tank:	○ Submerged: No – drill rig down for repairs.
○ Water discharged:	○ Fuel/generator location to source: 100 ft from source
○ Artesian zone encountered: no	○ Catch basin for fuel supply: yes
	○ Sorbent pads: yes
■ Sump Pit:	○ Hose color: yellow
○ Location:	
○ Discharge trench: yes	■ Other Comments:
○ Dimensions of pit: standard	
○ In use:	

