

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

Personnel: William Cole, ADNR-Mining	Inspection Date: 8/6/2013
Carolyn Curley, ADNR-Mining	Site Contact: Jeff Norberg
	APMA #: A20136118
<input checked="" type="checkbox"/> Inspection Type:	<input checked="" type="checkbox"/> Wildlife Observed:
<input type="checkbox"/> Complete:	<input type="checkbox"/> Bear:
<input type="checkbox"/> Partial: Mining Reclamation	<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: Juvenile eagle flying,
<input type="checkbox"/> Temperature: 40s	Ground squirrels
<input type="checkbox"/> Wind: windy with gusts 50-60 knots	
<input type="checkbox"/> Precipitation: occasional light rain	
<input type="checkbox"/> Visibility: Good	
<input type="checkbox"/> Sky Conditions: Overcast	
<input type="checkbox"/> Ground Conditions: Mixed-damp and dry	
<input checked="" type="checkbox"/> Comments: Active sites within the project area appear clean and well-kept. Operations are within compliance with existing approval from ADNR Mining Section.	
<input checked="" type="checkbox"/> Recommendations:	
<input checked="" type="checkbox"/> Actions Needed:	



Fuel station for exploration activities.



Site of consolidated exploration field camp.



View of deposit and surrounding area.

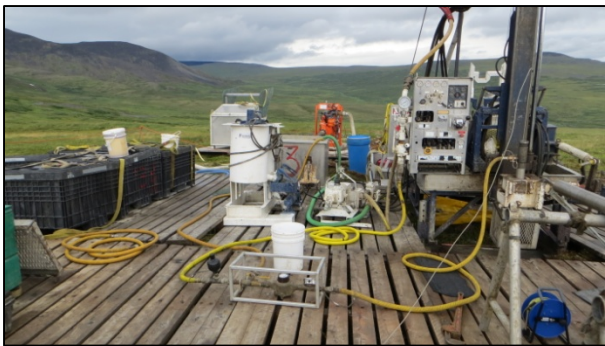
Drill Hole/Site No.: GH13374	Date: 8/6/13
Rig No.: 4	Time: 11:28am
Activity: Packer test. Depth 115'	
<ul style="list-style-type: none"> ■ Condition of Drilling Site: windy, cool 	<ul style="list-style-type: none"> ■ Sump Pit (continued):
<ul style="list-style-type: none"> ○ Distance from waterbody: 1 mile 	<ul style="list-style-type: none"> ○ Location and extent of discharged material:
<ul style="list-style-type: none"> ○ Location of fuel storage: next to drill 	<ul style="list-style-type: none"> ○ Topsoil, muck, tundra stockpiled: Yes
<ul style="list-style-type: none"> ○ Sorbent pads present: Yes 	<ul style="list-style-type: none"> ○ Hose color: Yellow
<ul style="list-style-type: none"> ○ Tundra mat: Yes 	
<ul style="list-style-type: none"> ○ Pipe off tundra: Yes 	<ul style="list-style-type: none"> ■ Drill Water Supply:
<ul style="list-style-type: none"> ○ Litter: No 	<ul style="list-style-type: none"> ○ Stream, lake/pond: stream
<ul style="list-style-type: none"> ○ Trash containment: Yes 	<ul style="list-style-type: none"> ○ Location: 1 mile
<ul style="list-style-type: none"> ○ Sanitary facilities: Yes 	<ul style="list-style-type: none"> ○ Adequate water flow and depth for fish passage in streams: Yes
<ul style="list-style-type: none"> ○ Any spills or staining: No 	<ul style="list-style-type: none"> ○ Evidence of significant impacts to riparian vegetation or stream banks: No
<ul style="list-style-type: none"> ○ General impression: clean, well-kept 	<ul style="list-style-type: none"> ○ General impression of water body (i.e. clear, turbid, tannic): Clear
	<ul style="list-style-type: none"> ○ Intake description: Hose with intake structure
<ul style="list-style-type: none"> ■ Drilling Activity: 	<ul style="list-style-type: none"> ○ Structure clear of debris: Yes
<ul style="list-style-type: none"> ○ Drill additives in use: No 	<ul style="list-style-type: none"> ○ Mesh size: 1 X 12 mm slotted mesh
<ul style="list-style-type: none"> ○ Recirculation tank: Yes 	<ul style="list-style-type: none"> ○ Submerged: Yes
<ul style="list-style-type: none"> ○ Water discharged: Yes. 20' uphill 	<ul style="list-style-type: none"> ○ Fuel/generator location to source: uphill
<ul style="list-style-type: none"> ○ Artesian zone encountered: No 	<ul style="list-style-type: none"> ○ Catch basin for fuel supply: Yes
	<ul style="list-style-type: none"> ○ Sorbent pads: Yes
<ul style="list-style-type: none"> ■ Sump Pit: 	<ul style="list-style-type: none"> ○ Hose color: Yellow
<ul style="list-style-type: none"> ○ Location: Next to drill 	
<ul style="list-style-type: none"> ○ Discharge trench: No 	<ul style="list-style-type: none"> ■ Other Comments:
<ul style="list-style-type: none"> ○ Dimensions of pit: 4'X4' 	
<ul style="list-style-type: none"> ○ In use: Yes 	



View of site for GH13374



Sump and material stockpile for GH 13374



General site conditions for GH 13374.



Pump for water is located uphill from the stream.



Stream and water take point location.

Abandoned Drill Hole/Site No.: DDH12555	Date:8/6/13
	Time: 12:00
■ Plugged: Yes	
■ Cemented: Yes	
■ Standing pipe: Yes	
■ Sump pit filled in: Yes	
■ Water discharge trench filled in: Yes	
■ Site revegetated: Yes	
■ Date revegetated/reclaimed: 6/15/13	
■ Artesian water present: No	
■ Any spills or staining: No	
■ Comments/General impression: Site looks good. Vegetation getting re-established.	



DDH12555 marker and drillhole pipe. Reclamation kit is in the background.



DDH12555 site reclamation in progress.



DDH12555 overburden replaced after completion of drilling.

Abandoned Drill Hole/Site No.: DDH 9462	Date: August 6, 2013
	Time: 12:20pm
■ Plugged: Yes	
■ Cemented: Yes	
■ Standing pipe: Yes	
■ Sump pit filled in: Yes	
■ Water discharge trench filled in: Yes	
■ Site revegetated: In process	
■ Date revegetated/reclaimed: various dates	
■ Artesian water present: Artesian water flow stopped 6/12/2013	
■ Any spills or staining: Yellow-brown staining from artesian flow.	
■ Comments/General impression: Difficult artesian flow. Specialist from Colorado flown in to help. ~30gpm with brown Fe bacterial staining. Flow surfaced ~40' from drillhole and infiltrated back into the ground without entering surface streams, Flow was stopped 6/12/2013. Natural vegetation beginning to grow in area of ground affected by artesian flow.	



DDH 9462 drillhole marker and drillhole pipe.



DDH 9462 site showing path of artesian flow and reclamation efforts.



DDH 9462 approximate end location of surface artesian flow.



DDH 9462 natural revegetation on area affected by surface flow of artesian water.