

199

Northing(m):
 Easting (m):
 Elevation (m):
 Collar Azimuth: —
 Hole Depth:
 Area: Powderhorn Lake North Area

Diamond Drill Hole: DDH- PN-99-02
 Collar Dip: 90°
 Drilled by: Aurora Drilling Inc.
 Core Size: 30
 Date: Oct 23-24/99
 Logged by: N. Jacobs
 Licence:
 NTS: 12H/1

From (m)	To (m)	Description	Core Angle	Mineralization	Sample No.	Interval (m)	(m)	Assay
0.0	7.6	<u>Overburden / Casing</u>						
7.6	8.84	<u>Possible Boulders</u> Black-gray silicified fibric unit, strongly banded/foliated w trace to 0.5% fine diss py; rusty weathered fractures (strongly breaks core) <u>8.5-8.84</u> Thin laminations of reddish-brown garnet w locally 0.5-1% dissan. pyrite and chalcopyrite.	60°	Py	PN02-99-001	7.6 - 8.84	1.24	
8.84	25.3	<u>Diorite Dyke</u> Medium-grained, grey massive plagioclase-porphyratic dioritic dyke (becoming progressively darker colored + finer-grained (albeit w coarse plagioclase phenocrysts) towards bottom of the unit). Moderately-strongly magnetic with trace dissan. specks of pyrite throughout.						

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Diamond Drill Hole: DDH- PN-99-02								
Northing(m): Easting (m): Elevation (m): Collar Azimuth: — Collar Dip: 90° Hole Depth: Area: Powderhorn Lake North Area				Drilled by: Aurora Drilling Inc. for Copper Hill Res. Inc. Core Size: 3.0 Date: Oct 23-24/99 Logged by: W. Jacobs Licence: NTS: 12H/1				
From (m)	To (m)	Description	Core Angle	Mineralization	Sample No.	Interval (m)	(m)	Assay
25.3	25.8	<u>@ 19.7m</u> 10 cm wide quartz-vein, silicified section with 2% disseminated pyrite.		Py	PN02-99-002	19.6 - 19.7	0.1	
25.8	52.7	<u>Mafic Volcanics?</u> Strongly foliated, blackish-green unit with a non-distinct, though apparently fine-grained, texture (possible early, pre-deformation dyke). Local intermittent patches of quartz (silicification) and possibly epidote. 1-5% dissem. pyrite.	60°	Py	PN02-99-003	25.3 - 25.8	0.5	
		<u>Felsic (Rhyolitic) Volcanics</u> Strongly banded/foliated greenish-gray to bluish-gray to bluish-white (mottled colored) with 1-3mm size blue quartz phenocrysts scattered throughout. Alternating light-colored bands reflecting intense silicification with possible...						

9

Nov. 10 1999 12:29PM P10

NAME: 11-10-99 11:00:45 AM

PHONE NO. : 7897455129

FROM: ERIK H. BERSON 10:17:05 AM

FROM : JACOB-RESOURCES

3 of 9

Diamond Drill Hole: DDH-							
Northing(m): Easting (m): Elevation (m): Collar Azimuth: — Collar Dip: 90° Hole Depth: Area: <u>Powderhorn Lake North Area</u>				Drilled by: <u>Aurora Drilling Inc.</u> Core Size: <u>80</u> Date: <u>Oct 23-24/99</u> Logged by: <u>W. Jacobs</u> Licence: NTS: <u>12H/1</u>			
From (m)	To (m)	Description	Core Angle	Mineralization	Sample No.	Interval (m)	Assay
		Blue-Grey porphyritic felsic volcanic... slight varicite alteration. All Variably-colored bands exhibit diffusive (gradational) boundary changes, i.e., with no sharp or discrete contacts. Bands most likely reflect original flow- differentiation now accentuated by moderate metamorphism (minor iron-scale folds occur locally). Occasional purplish-brown bands reflect probable biotite concentrations. Trace - 0.5% dissemin. sulphides of pyrite and pyrrhotite throughout thickness, intermittent patches of 1-2% dissemin. + stronger pyrite and pyrrhotite with trace chalcopyrite. <u>25.8-26.5</u> Strongly banded/foliated with pale purplish brown, grey-green, yellow-green & orange-brown colors Siliceous epidote-garnet patches 2-10 cm wide, and 1-2% fracture-fill pyrite assoc.	60°	Py, po Trace cpy			
					AN02-99-004	25.8-26.5	0.7

Nov. 10 1999 12:30AM P11

LINE: 11/10/99 10:02:45 PM

PHONE NO. : 7097455128

FROM: BILAL BEGON 10:10:02 PM

FROM : JACOB-RESOURCES

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Diamond Drill Hole: DDH- AN-99-02

Northing(m):
Easting (m):
Elevation (m):
Collar Azimuth: --
Hole Depth:
Area:

Collar Dip: 90°

Drilled by: Aurora Drilling Inc.
Core Size: BQ
Date: Oct 23-24/99
Logged by: N. Jacobs
Licence:
NTS: 12 H/1

From (m)	To (m)	Description	Core Angle	Mineralization	Sample No.	Interval (m)	(m)	Assay
		Blue-Grey porphyritic Matrix. Uls. Continued...						
		<u>26.5-27.0</u> 2-3% dissim. + stringer pyrrhotite and lesser pyrite concentrated along/parallel to foliation planes.	60-70°	Po, Py	AN02-99-005	26.5-27.0	0.5	
		<u>27.0-27.0</u> 1-2% pyrrhotite + pyrite	70-80°	Po, Py	AN02-99-006	27.0-27.0	2.0	
		<u>27.0-29.5</u> 1-5% pyrite, sphalerite, lesser pyrrhotite + trace chalcopyrite assoc. with intense silicification. Sphalerite occasionally forming 2-3 mm wide, burgundy-brown colored bands parallel to foliation.	60°	Py, sph, po + cpy	AN02-99-007	27.0-29.5	0.5	
		<u>29.5-31.0</u> Gray, sugary-grained texture with an abundance of the blue quartz phenocrysts. As 1% diss. cherty + stringer pyrrhotite (to trace chalcopyrite).		Po, + cpy	AN02-99-008	29.5-31.0	1.5	

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Diamond Drill Hole: DDH-								
Northing(m): Easting (m): Elevation (m): Collar Azimuth: Hole Depth: Area:			Drilled by: <i>Aurora Drilling Inc.</i> For <i>Copperhill Resources Corp.</i> Core Size: <i>BQ</i> Date: <i>Oct 23-24/99</i> Logged by: <i>W. Jacobs</i> Licence: NTS: <i>12H/1</i>					
From (m)	To (m)	Description	Core Angle	Mineralization	Sample No.	Interval (m)	(m)	Assay
		<i>Blue-qtz porphyritic felsic Unit.... continued.</i>						
		<i>31.0 - 32.0</i> <i>Same as previous section.</i>	<i>60°</i>	<i>po, tr cpy</i>	<i>PA02-99-009</i>	<i>31.0 - 32.0</i>	<i>1.0</i>	
		<i>32.0 - 33.0</i> <i>Same</i>			<i>PA02-99-010</i>	<i>32.0 - 33.0</i>	<i>1.0</i>	
		<i>33.0 - 34.0 * 0.6m core loss</i> <i>0.5 % dissem. pyrite</i>		<i>py</i>	<i>PA02-99-011</i>	<i>33.0 - 34.0</i>	<i>1.0</i>	
<i>34.0</i>	<i>34.5</i>	<i>Aplite Dyke</i> <i>Fine-grained, olive-green with quartz-porphyritic texture (non-foliated).</i>						
<i>34.5</i>	<i>49.0</i>	<i>Felsic Volcanics (Blue-qtz Phytic) (as previous to dyke).</i>						
		<i>34.5 - 36.5</i> <i>Greenish-grey flow with 0.5 - 1% dissem. pyrite.</i>		<i>py</i>	<i>PA02-99-012</i>	<i>34.5 - 36.5</i>	<i>2.0</i>	

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Diamond Drill Hole: DDH-							
Northing(m): Easting (m): Elevation (m): Collar Azimuth: Hole Depth: Area: <u>Powderhorn Lake North</u>		Collar Dip: <u>90°</u>		Drilled by: <u>Aurora Drilling Inc.</u> for <u>Copper Hill Res. Inc.</u> Core Size: <u>BQ</u> Date: <u>Oct 23-24/99</u> Logged by: <u>Al. Jacobs</u> Licence: NTS: <u>12H/1</u>			
From (m)	To (m)	Description	Core Angle	Mineralization	Sample No.	Interval (m)	(m)
		<u>36.5-38.0</u> 2-5% dissemin., stringer and fracture-fill pyrite. Trace chalcopyrite in places.		py, trcpy	A02-99-013	36.5-38.0	1.5
		<u>38.0-39.0</u> Burgundy-brown biotite-rich section with trace -0.5% dissemin. pyrite		py	A02-99-014	38.0-39.0	1.0
		<u>39.0-41.0</u> Dominantly greenish-grey with thin burgundy-brown colored bands of biotite-rich material. Trace -1% dissemin. pyrite + pyrrhotite. Abundant blue quartz phenocrysts			A02-99-015	39.0-41.0	2.0

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Diamond Drill Hole: DDH-							
Northing(m): Easting (m): Elevation (m): Collar Azimuth: Hole Depth: Area: <u>Powderhorn Lake North</u>		Collar Dip: <u>90°</u>		Drilled by: <u>Aurora Drilling Inc.</u> Core Size: <u>BQ</u> Date: <u>Oct 23-24/99</u> Logged by: <u>W. Jacobs</u> Licence: NTS: <u>124/1</u>			
From (m)	To (m)	Description	Core Angle	Mineralization	Sample No.	Interval (m)	(m)
		<u>41.0-42.0</u> Brownish-gray argyrite breccia with 0.5-2% disseminated and stringer pyrite, pyrrhotite, and trace-minor sphalerite. Couple of fracture-fillings and bands of pyrite up to 3mm wide.		Py, po Tr-minor sph	PW02-99-016	41.0-42.0	1.0
		<u>42.0-43.0</u> 1-3% disseminated + stringer pyrrhotite. Fabric/foliation crenulated + folded with core-angle varying from 40-60°.	40-60°	po	PW02-99-017	42.0-43.0	1.0
		<u>43.0-43.5</u> 5-8% disseminated + stringer pyrrhotite and trace chalcopirite.	Variable 40-70°	po, tr epy	PW02-99-018	43.0-43.5	0.5

Nov. 10 1999 12:34AM P15

LINE: 1/1/2000 TIME: 2:05:04 PM

PHONE NO. : 7097455120

FROM: ERIK M. JACOBSON 10:17PM 11/10/99

FROM : JACOBSON-RESOURCES

809

15

Diamond Drill Hole: DDH-							
Northing(m): Easting (m): Elevation (m): Collar Azimuth: — Collar Dip: 90° Hole Depth: Area: <u>Penderharn Lake, NWT</u>				Drilled by: <u>Amara Drilling Inc. for Copper Hill Resources Inc.</u> Core Size: <u>3Q</u> Date: <u>Oct 23-24/99</u> Logged by: <u>N. Jacobs</u> Licence: NTS: <u>12H/1</u>			
From (m)	To (m)	Description	Core Angle	Mineralization	Sample No.	Interval (m)	(m)
		<u>Blue-Gray Phytic Folitic Mafic rock...</u>					
		<u>43.5 - 44.15</u> Bluish-gray felsics with semi-massive (10-20%) to massive (80%) pyrrhotite with minor scattered coarse blebs of chalcopyrite and possibly sphalerite.		semi-massive to massive po, tr cpy, sph.	<u>PN02-99-019</u>	<u>43.5 - 44.15</u>	<u>0.65</u>
		<u>44.15 - 49.0</u> Bluish-gray to pale greenish-gray silicification with patchy yellow-green coloration in places representing possible sericite? Trace - 0.5% dissemin. pyrite. Occasional fracture-fillings of pyrite, pyrrhotite & trace chalcopyrite. Minor cross-cutting silica veinlets. Variable foliation patterns indicating folding → 44.5-45.0 → 0-10° → 45.0-49.0 → 65-70°			<u>PN02-99-020</u> <u>PN02-99-021</u> <u>PN02-99-022</u> <u>PN02-99-023</u>	<u>44.15 - 45.0</u> <u>45.0 - 46.0</u> <u>46.0 - 48.0</u> <u>48.0 - 49.0</u>	<u>0.85</u> <u>1.0</u> <u>2.0</u> <u>1.0</u>

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Diamond Drill Hole: DDH-

Northing(m):
 Easting (m):
 Elevation (m):
 Collar Azimuth: — Collar Dip: 90°
 Hole Depth:
 Area: Pinkerton Lake North

Drilled by: Aurora Drilling Inc. For Copper Hill Resources Inc.
 Core Size: 80
 Date: Oct 23-24/99
 Logged by: A. Jacobs
 Licence:
 NTS: 12H/1

From (m)	To (m)	Description	Core Angle	Mineralization	Sample No.	Interval (m)	(m)	Assay
49.0	52.6	<u>Felsic Volcanic (Rhyolitic)</u> <u>Tuff</u> Mottled bluish-gray, yellowish green & purplish-brown textures with possible relic fragmental (fufaceous?) textures obscured by silicification.	65°					
		<u>49.0-51.0</u> Abundant purplish-brown bands of possibly biotite-rich mat. Th. diagen. sulphides			<u>PNo 2-99-024</u>	<u>49.0-51.0</u>	<u>2.0</u>	
		<u>51.0-52.6</u> Weak-moderate sericitization			<u>PNo 2-99-025</u>	<u>51.0-52.6</u>	<u>1.6</u>	
52.6	E.O.H	<u>Aplite Dyke</u> Massive, quartz-kalidspars phytic texture to homogeneous to marbled coloration ranging from olive green to orange-green, pinkish orange and dark pinkish brown colors.	<u>Dyke</u> <u>Angle</u> <u>@ 30°</u>					
	<u>@ 52.52</u>							