



32005NW0011 21 THACKERAY

010

DIAMOND DRILLING

TOWNSHIP: THACKERAY TWP.

REPORT NO: 21

WORK PERFORMED FOR: Cominco Ltd.

RECORDED HOLDER: Same as Above [xx]
: Other []

<u>Claim No.</u>	<u>Hole No.</u>	<u>Footage</u>	<u>Date</u>	<u>Note</u>
L 739005	PT-89-29	206m	Feb/89	(1)
	PT-89-28	178.3m	Mar/89	(1)
L 738722	PT-89-27	160.3m	Mar/89	(1)
	3	144.3		

(1) W8908.106, date filed May/89



DIAMOND DRILL LOG



PROPERTY TELGAR TOWNSHIP THACKERAY

DATE MARCH 4, 1989 PAGE: 1 OF 3

ERRONS

HOLE NO. PT-89-27 DIP -45° AZMIUTH G. North LOGGED BY D.R. HAWKE

CORE SIZE BQ TOTAL METRES 160.3 m HOLE LOCATION L 2+00W 245 N

DIP METRES AND DEGREE 160.3 m 45.1° True

CASING LEFT IN HOLE: YES NO CASING METRES 8.1 m.

DRILL TIME: START Mar. 4/89 FINISH Mar. 7/89 MECHANICAL TIME _____

MISCELLANEOUS PROBLEMS _____

METRES	DESCRIPTION	ASSAYED FOR	ASSAY RESULTS
0.0 - 8.1	OVERBURDEN		
8.1 - 73.8	BASALT; dark green, f.g. to med. gr. massive, strongly magnetic. Slightly chloritic in places. Locally 2% diss. py.		
9.4 - 10.4	weak to moderate, pervasive epidote and hematite alt'n with 2-3% diss. py. cut by thin (<2mm) irreg. carb-chl strcs.		
11.0 - 14.5	core badly broken and rubbly. FAULT 1.5m core lost. contains numerous pieces of white qtz with brick red K-spar alt'n.		
15.1	2mm wide qtz-carb-chl. vein with 1cm wide K-spar alt'n envelope		
15.2 - 16.2	core badly broken		
18.3	4cm wide K-spar alteration zone at 75° to c. axis		
19.0 - 20.8	cut by several, thin (<3mm) qtz-carb-chl veins at ≈ 70° to c. axis. Veins have 5-10 mm wide brick red K-spar alt'n envelopes which are in turn surrounded by a zone (up to 30 cm wide) of weak epidote-chl-alt'n with 1-2% diss. py.		
26.5 - 26.8	Feldspathic zone (numerous small plag. xtals. (1mm) with red hematite as blebs and fracture coatings.		
27.2	2cm wide qtz-chl vein at 70° to c. axis pyritic Kspar alt'n envelope		

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METRES	DESCRIPTION	ASSAYED FOR	ASSAY RESULTS
73.8-160.3	<p>to 2 cm</p> <p>28.8-29.3 - zone containing numerous, rounded, saussuritized feldspar phenocrysts (2-3 mm). Contacts gradational.</p> <p>29.5 - m.g., subdiabasic textured with a few feldspathic segregations.</p> <p>36.0-36.6 - as at 19.0-20.8</p> <p>38.4-39.0 - mod. hematite alt'n with < 1% diss py.</p> <p>40.9 - qtz vein, 1cm wide at 70° to c. axis</p> <p>41.0 - qtz vein, 2 cm wide at 65° to c. axis</p> <p>40.9 - 41.5 - slight hematite and carb alt'n.</p> <p>47.1 - white qtz. vein 2cm wide at 80° to c. axis</p> <p>53.0-54.2 - mod. to strong hem-chl-carb alt'n with 1-2% fine diss. py.</p> <p>54.4-54.8 - as at 53.0-54.2, 1cm wide qtz vein at 54.5</p> <p>65.3-65.6 - contains 2-3% diss. py.</p> <p>SILICEOUS HORIZON - f.g., green to purple to pink, mod. to strongly magnetic. mod. to strong silica, hem, epidote alt'n. excellent preservation of protolith basalt textures in places.</p> <p>75.2-75.7 - hapaloclastite - matrix is f.g. cream coloured silica containing numerous angular shard-like frags. with thin (< 1mm) white rims. Contains < 1% diss py. 1cm wide specular hem. vein at 75.4.</p> <p>76.0 - 76.8 - variolitic flow tops. Flow tops roughly parallel to c. axis</p> <p>77.4-77.7 - red syenite feldspar porph. dike. Contacts at 80° to c. axis.</p> <p>79.3-79.6 - variolitic, varioles are 5-8 mm in diameter.</p> <p>79.9-80.1 - as at 79.3-79.6</p> <p>80.5-80.9 - as at 77.4-77.7. Contains large euhedral feld. phenocrysts to 5mm.</p> <p>83.2-83.5 - Syenite feld. porph. dike. Contacts at 65° to core axis. Phenocrysts 1-3 mm in diameter</p>		

METRES	DESCRIPTION	ASSAYED FOR	ASSAY RESULTS
	83.6-84.2 - variolitic		
	84.4 - 2 cm wide qtz. vein at 65° to c. axis.		
	84.9-85.2 - 3cm wide qtz vein at ≈ 70° to c. axis		
	85.2-85.7 - variolitic		
	85.9-86.6 - variolitic.		
	83.2 - irreg qtz filled fract. zone		
	89.1 - white qtz. vein 3cm wide at 25° to c. axis		
	90.4-90.8 - variolitic		
	98.7-105.6 - variably hematitic throughout. Contains ≈ 1% diss. py. and 1-2% diss specular hematite.		
	105.6-117.7 - strong hematite alt'n. Contains up to 8% (average 2-3%) specular hematite as str. and disseminations		
	117.7-142.0 as at 98.7-105.6 - FAULT with some gouge at 119.1.		
	119.2-120.7 - cut by numerous white qtz. veins (1-4mm) at ≈ 80° to c. axis. Minor Kspar alt'n along veins		
	128.0-129.5 - cut by several narrow (<5mm) wide qtz veins at ≈ 70° to c. axis..		
	136.6-136.8 - brecciated zone. Siliceous frags in a fine carb matrix. Contains a few blebs c.p. to 3mm.		
	139.8-140.8 - f.g. syenite porph. dike contacts irreg. (some assimilation along contacts) Contains <1% diss. py.		
	151.2-160.3 - alt'n (bleaching) along fract.		
	154.0-154.5 - contains numerous ovoid white qtz. "eyes".		
	154.6-154.8 - f.g. syenite porph. dike, contacts at 65° to c. axis. Contains ≈ 1% fine diss pyrite.		
	156.4-156.9 - as at 154.6-154.8		
	159.0-159.1 - as at 154.6-154.8, contacts at 80° to c. axis		
	159.3-159.8 - as at 154.6-154.8		
160.3	END OF HOLE.		

D.R. Hanks



DIAMOND DRILL LOG



PROPERTY TELGAR TOWNSHIP THACKERAY

ERRONS DATE MARCH 14, 1989 PAGE: 1 OF 3

HOLE NO. PT-89-28 DIP -45° AZMIUTH G. NORTH LOGGED BY DR. HAWKE

CORE SIZE BQ TOTAL METRES 178.3 HOLE LOCATION L 15+00 W 2+20 N

DIP METRES AND DEGREE 172 m 44°

CASING LEFT IN HOLE: YES NO CASING METRES 3.1

DRILL TIME: START Mar 9/89 FINISH March 12/89 MECHANICAL TIME _____

MISCELLANEOUS PROBLEMS _____

METRES	DESCRIPTION	ASSAYED FOR	ASSAY RESULTS
0.0 - 3.1	OVERBURDEN		
3.1 - 21.3	SILICEOUS HORIZON, highly siliceous, purple to mauve to pink, f.g. massive intense hematite alt'n. 9.2-9.4 - lamprophyre dike, contacts at 35° to c. axis 12.2-12.5 - black, moderately carb. section 15.2 - 4cm wide qtz vein at 80° to c. axis 15.6-15.8 - slightly carb. 16.1-16.3 - syenite porph dyke, contacts at ≈50° to c. axis. Contains numerous subhedral feld. phenocrysts to 2mm 16.6-16.9 - as at 15.6-15.8 17.0 - minor diss. py. along fractures 18.2 - 2cm wide qtz. vein at 70° to c. axis 18.8-19.3 - as at 16.1-16.3. Euhedral phenocrysts to 1cm. Minor cp. coating some fract. 19.7-21.0 - contains much dark laucocratic material and some carb.		
21.3 - 178.3	BASALT - dark green grey, f.g. massive, strongly magnetic. Sharp contact with above unit at 45° to c. axis 21.3-24.6 - mod. to highly carb and hem. with 3-5% fine diss py plus < 1% cp. much v. fine specular hematite. 25.1-25.6 - syenite porph. dyke with euhedral feldspar phenocrysts to 5mm. Contacts at 55° to c. axis. 24.6-36.9 - mod. pervasive carb. alt'n, weak hematization. Contains ≈ 1% diss. py. mainly along fract.		

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METRES	DESCRIPTION	ASSAYED FOR	ASSAY RESULTS
	<p>30.4-30.8 - syenite porph. dike</p> <p>31.2 - 4cm wide qtz. vein at 50° to c. axis</p> <p>31.6-32.2 - brecciated, fractured and recemented by white carb. qtz. Contains 2-3% diss. py.</p> <p>32.2 - 32.9 - qtz. carb. with numerous angular frags. basalt. <u>FAULT</u>. Contains ≈ 2% diss. py.</p> <p>33.1-34.2 - syenite porph. dyke. Contacts at 55° to c. axis. Contains numerous lath shaped, euhedral, feld. phenocrysts to 1 cm.</p> <p>34.2-35.3 - as at 31.6-32.2</p> <p>44.8-45.2 - Syenite dike, contact at 70° to c. axis. Contains < 1% diss. py.</p> <p>47.5-47.9 - as at 31.6-32.2, smaller phenos.</p> <p>57.6-57.8 - as at 31.6-32.2; smaller phenocrysts</p> <p>62.9-63.0 - aprite dike.</p> <p>75.8-75.9 - syenite porph. dike, contacts at 80° to c. axis</p> <p>75.1 - qtz. vein 3cm wide at 75° to c. axis.</p> <p>82.6-82.7 - qtz. vein at 80° to c. axis.</p> <p>82.9 - qtz. vein 3cm wide at 75° to c. axis</p> <p>87.7 - white qtz vein 2cm wide at 45° to c. axis. Highly carb wall rock for 10 cm on either side.</p> <p>89.6-90.2 - white qtz. vein with many inclusions of altered syenite porph. Contains 2-3% diss. specular hematite. Contacts at ≈ 90° to c. axis</p> <p>99.4-100.7 - flow breccia</p> <p>103.2-103.5 - contains ≈ 3% diss. py.</p> <p>121.2-122.1 - syenite porph. dike, contacts at 70° to c. axis. Contains 1-2% diss. py.</p> <p>123.0-123.1 - flow breccia/hyaloclastite</p> <p>123.1-124.0 - contains ≈ 3% diss and blebs py. plus some py. along fract.</p> <p>124.0-124.6 as at 121.2-122.1, contacts at 30° to c. axis.</p> <p>124.6-125.2 - flow breccia/hyaloclastite, light brown (carb) alt'n along fract. Contains 2-3% diss. py.</p>		

METRES	DESCRIPTION	ASSAYED FOR	ASSAY RESULTS
	<p>125.2-125.5 - as at 121.2-122.1, contacts at 25° to c. axis</p> <p>125.9-127.4 - breccia, angular frags highly alt'n (carb) basalt in a light grey, f.g. white siliceous matrix. Contains \approx 3% coarse pyrite.</p> <p>127.4-131.7 - cut by numerous fine (1mm) qtz-carb. strcs, generally at 60° to c. axis. Also much light brown alteration along fractures. Minor py coating some fract.</p> <p>140.1-140.6 - slightly carb-interflow sed. faint banding at 60° to c. axis. Contains \approx 3% fine diss py.</p> <p>149.4-149.5 - strong epidote, Kspar, silica alt'n possible interflow sediment.</p> <p>154.0 - grades to c.g. basalt.</p> <p>161.7-162.1 - f.g. syenite porph. dike, contacts at 70° to c. axis. Contains 1-2% diss. py.</p> <p>164.9-166.5 - f.g. syenite dike. Contains numerous vague melanocratic patches. (possibly, partially resorbed basalt). Contains \approx 1% diss. specular hematite plus pyrite. Contacts at 70° to c. axis.</p> <p>169.7-170.0 - f.g. syenite dike with $<$ 1% diss. py. Contacts at 70° to c. axis.</p> <p>168.0-168.4 - mod. pervasive carb alt'n with a small amount of irreg. chl. veining.</p> <p>174.5 - 4 cm wide carb-chl. alt'n zone.</p> <p>177.6-178.0 - syenite porph dike, contacts at 60° to c. axis.</p> <p>174.5-178.3 - coarser grained</p>		
178.3	END OF HOLE.		

DR. H. H. H.



DIAMOND DRILL LOG



ERRONS

PROPERTY TELGAR

TOWNSHIP THACKERAY

DATE MARCH 18, 1989

PAGE: 1 OF 3

HOLE NO. PT-89-29 DIP -45° AZMIUTH G. North LOGGED BY D.R. HAWKE

CORE SIZE BQ TOTAL METRES 187.5 HOLE LOCATION L 16100 W 2105 N

DIP METRES AND DEGREE 184.4 @ 41.2°

CASING LEFT IN HOLE: YES/ (NO) CASING METRES: _____

DRILL TIME: START Mar. 13/89 FINISH Mar. 15/89 MECHANICAL TIME _____

MISCELLANEOUS PROBLEMS _____

METRES	DESCRIPTION	ASSAYED FOR	ASSAY RESULTS
0.0-7.6	OVERBURDEN.		
7.6-181.4	BASALT - dark grey to black, f.g. massive strongly magnetic, slightly chloritic 8.9-10.1 - mod. chloritic with $\approx 1\%$ fine diss. py. 10.1-11.8 - syenite feldspar porph. dike Contacts at $\approx 70^\circ$ to c. axis 11.0-11.1 - basalt xenolith 11.1-12.9 - mod. to intense, pervasive carb alt'n slightly chloritic. Contains $< 1\%$ diss. py. 13.3-13.6 - syenite feldspar porph dike. Contacts at $\approx 50^\circ$ to c. axis 22.6-23.1 - syenite feldspar porph. dike. Contacts at $\approx 50^\circ$ to c. axis. Well fract. with fract. coated by chl. and carb. 23.1-26.0 - mod. to intense pervasive carb. alt'n 23.5-23.6 - syenite dike. 24.7-24.8 - f.g. syenite dike, contacts at 60° to c. axis. 26.0-26.8 - syenite porph. dike containing numerous euhedral, tabular feldspar phenocrysts to 1 cm. Chilled zones ≈ 10 cm wide at either contact. Contacts at $\approx 90^\circ$ to c. axis. 26.8-29.5 - mod. to intense, pervasive carb alt'n. Contains up to 10% (average 1-2% diss. py. Cut by a few thin (< 1 mm) irreg. carb. stringers. 33.8-34.3 - syenite porph dike, contacts at 60° to c. axis		

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METRES	DESCRIPTION	ASSAYED FOR	ASSAY RESULTS
	<p>45.5-64.0 - mod. to intense, pervasive carb and chl. alt'n. Cut by numerous fine (<2mm) irreg. str. qtz-carb. Locally strong hematite alt'n. Contains up to 20% fine diss. py. (average \approx 5%)</p> <p>45.7-46.2 - syenite porph. dike, contacts at 70° to c. axis. Contains <1% diss. py.</p> <p>48.4-48.6 - white qtz. vein at 70° to c. axis. Highly pyritic (25%) wall rocks for 4 cm along both contacts.</p> <p>49.2-50.2 - syenite dike, upper contact brecciated containing irregular veins and masses of specular and earthy hematite.</p> <p>51.2-51.7 - strong epidote alt'n.</p> <p>55.1-55.2 - white qtz. vein at $\approx 70^\circ$-80° to c. axis. Highly pyritic wall rocks for 5 cm on either side.</p> <p>55.2-55.6 - strongly altered and brecciated dike, containing 3-5% py.</p> <p>58.7-59.5 - f.g. syenite dike with 2-3% fine diss. py. Contacts at $\approx 60^\circ$ to c. axis</p> <p>63.9-64.2 - strong epidote - hematite alt'n.</p> <p>69.6-74.7 - slight pervasive carb. - chl. alt'n. Cut by a few thin (1-2 mm) qtz-carb str. at $\approx 75^\circ$ to c. axis. Contains \approx 1% diss. py.</p> <p>71.4-71.8 - syenite porph dike at $\approx 90^\circ$ to c. axis</p> <p>71.6-71.7 - qtz. vein at 60° to c. axis</p> <p>82.3-88.1 - as at 69.6-74.7</p> <p>88.8-89.1 - white qtz. vein at $\approx 90^\circ$ to c. axis</p> <p>89.8-89.9 - as at 88.8-89.1</p> <p>94.2-97.1 - slight pervasive carb - chl alt'n. contains 1-2% diss. py.</p> <p>98.0-98.7 - cut by several qtz. vein (1-3 mm wide) at 90° to c. axis. Contains \approx 8% - 10% diss. py. Slight pervasive carb. alt'n.</p> <p>99.6-100.3 - syenite feldspar porphyry dike. Contains numerous euhedral, tabular feldspar phenocrysts to 15 mm.</p> <p>102.4-103.0 - flow breccia / hyaloclastite.</p> <p>106.7-110.6 - Contains a few white anhedral feldspar phenocrysts to 3mm.</p> <p>124.5-129.9 - flow breccia / hyaloclastite with 1-2% diss. py.</p>		

METRES	DESCRIPTION	ASSAYED FOR	ASSAY RESULTS
	<p>131.9-132.3 - Syenite porph. dike, contacts at 70° to c. axis. Contains a few fine blebs py. along fract.</p> <p>132.4-133.1 - flow breccia / hyaloclastite.</p> <p>137.8 - Qtz vein 2cm wide at 55° to c. axis</p> <p>138.2 - Qtz vein 2cm wide at 70° to c. axis.</p> <p>142.1-142.2 - as at 131.9-132.3</p> <p>145.8-148.7 - Breccia zone, consisting of silicified basalt frags in a white qtz. matrix. Contains 2-3% diss. py. In places basalt altered along fract. forming a pseudo breccia composed of unaltered "islands" of basalt in a light brown altered matrix</p> <p>149.0-152.3 - cut by numerous, thin (1-2 mm) parallel, qtz-carb strcs, generally at 60° to c. axis.</p> <p>152.6-152.9 - variably silicified to a brown colour with 3-5% diss. py.</p> <p>154.0-154.6 - pervasively silicified and carbonatized and brecciated in places. Contains ≈ 2% diss. py.</p> <p>165.9-166.1 - Contains 3-5% diss. py.</p> <p>166.1 - 167.7 - flow breccia / hyaloclastite, variably epidotized.</p> <p>174.0 - grades to c.g.</p>		
180.2-181.4	<p>SILICEOUS HORIZON, buff to peach colour, f.g., massive. Contains 2-3% diss. py. mod to intense Kspar alt'n. Upper contact gradational over ≈ 40 cm.</p>		
181.4-187.5	<p>DIABASE, dark green, coarse gr. magnetic. Contains some feldspathic segregations in places.</p>		
187.5	<p>END OF HOLE</p>		

DR. Hata



DIAMOND DRILL LOG



PROPERTY TELGAR TOWNSHIP THACKERAY

ERRONS DATE FEB. 21, 1989 PAGE: 1 OF 4

HOLE NO. PT-89-30 DIP -45° AZMIUTH G. NORTH LOGGED BY D.R. HAWKE

CORE SIZE BQ TOTAL FOOTAGE 206 meters HOLE LOCATION L100E/2+90S

DIP FOOTAGE AND DEGREE 96.34 m = 44.6° 206 m = 42.2°

CASING LEFT IN HOLE: YES NO CASING FOOTAGE 21 meters

DRILL TIME: START Feb 20/89 FINISH Feb 24/89 MECHANICAL TIME _____

MISCELLANEOUS PROBLEMS _____

FOOTAGE	DESCRIPTION	ASSAYED FOR	ASSAY RESULTS
0.0 - 21.0	OVERBURDEN		
21.0 - 29.8	BASALT, dark grey, f.g., strongly magnetic, slightly chloritic. Contains 1-2% fine diss. py. 22.7 - 22.9 - highly chl. + ser. section with a few rounded spots earthy hematite 23.3 - 23.9 - brecciated section - possible flow breccia. 25.1 - 25.6 - breccia, strong pervasive carb. alt'n, minor bleaching. Some black chl. filling fract. 26.2 - contains 5-8% small (<1mm) subhedral leucokene xtals 26.5 - 26.7 - broken core, highly weathered 26.7 - 26.9 - brecciated as at 23.3 - 23.9		
29.8 - 31.0	JYENITE, brick red, f.g., massive. Contains 2-3% diss. py plus some py as fracture fillings. Contacts at 75° to c. axis.		
31.0 - 84.0	SILICEOUS HORIZON, heterogeneous zone of f.g. dark grey siliceous material (silicified basalt) with numerous patches and envelopes around fractures of pink to red Ksp or alt'n. Contains 1-2% fine diss. py. mod. magnetic. 36.3 - 40.6 - contains numerous angular dark grey siliceous frags to 2cm. Frags and matrix very similar in composition. Possible auto breccia.		

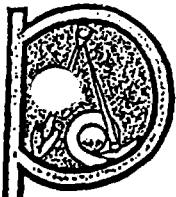
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FOOTAGE	DESCRIPTION	ASSAYED FOR	ASSAY RESULTS
	<p>Some frags of red highly Kspar alt. material.</p> <p>42.5-43.2 - brick red fig. syenite? breccia Upper contact sharp at 65° to c. axis Lower contact gradational with larger more distinct frags.</p> <p>43.9-44.8 - light grey to cream, fig., highly siliceous rock. Contains numerous dark grey, translucent, flattened qtz eyes.</p> <p>46.9-48.2 - breccia zone, as at 36.3-40.6</p> <p>49.2-52.0 - breccia zone with much pink to red Kspar alt'n.</p> <p>52.3-52.6 - as at 43.9-44.8</p> <p>54.0-54.7 - as at 43.9-44.8</p> <p>60.4-67.6 - breccia zone with numerous angular frags to 2 cm. Strong Kspar alt'n. Contact at 55° to c. axis</p> <p>67.6-70.0 - contains several rounded elongate blebs filled by white qtz. Possible amygdules.</p> <p>73.3-74.5 - Contains 3-5% py as thin, irregular discontinuous str.</p> <p>75.9-76.3 - strong pervasive sil. & Kspar alt'n</p> <p>78.0-78.3 - breccia zone containing numerous dark grey subrounded frags to 1 cm.</p> <p>78.3-83.0 - mod. to strong pervasive sil., gradational to massive basalt.</p> <p>83.5-83.8 - highly fract. Rock recemented by qtz-shl assemblage</p>		
84.0-87.5	<p>BASALT, dark green grey to black, f.g., massive, mod. to strongly magnetic. Upper contact gradational into siliceous horizon and lower contact gradational into altered zone.</p>		
87.5-115.7	<p>ALTERED ZONE, non magnetic, variably chloritized, hematized, silicified and carbonatized basalt. Fault breccia with frags to 10 cm. Contains up to 20% diss py over small (<10 cm) widths (average $\leq 2\%$). Crude shear foliation in places at $\pm 60^\circ$ to c. axis. Episodic reactivation of fault suggested by frags within frags in places.</p>		

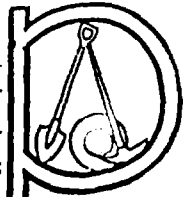
METRES	DESCRIPTION	ASSAYED FOR	ASSAY RESULTS
	87.5-90.7- mod. hem. alt'n, slight carb and sil alt'n		
	91.1-100.5- dark green, intense chl. & carb. alt'n. Minor specular hematite mostly in str. and fracture coatings. Contains 2-3% drss. py.		
	100.5-102.9- pinkish grey colour, mod. to strong hem. and sil. alt'n. Weak chl. alt'n.		
	104.5-104.6- Contains 15-20% drss. py.		
	102.9-104.1- as at 91.1-100.5.		
	104.1-105.8- mod.-strong chl., hem., carb. alt'n.		
	107.1-115.7- mod. to strong chl. alt'n, weak hem. alt'n. Stockwork type sil. alt'n in places.		
	107.6-107.9- numerous parallel str. of white gtz. at $\pm 50^\circ$ to c. axis.		
	108.6-110.4- Contains 2-3% drss. leucoxene xtals generally < 1 m.m.		
	110.4-111.0- cut by numerous white str. of gtz, generally at 50° to c. axis.		
	112.1-112.2- highly chl., slightly carb gouge.		
	112.4- shear foliation at 50° to c. axis.		
115.7-186.6	BASALT - dark green, m.g. slightly to mod. magnetic. Becomes slightly c.g. down the hole.		
	115.7-129.5- core badly broken, rubbly and highly weathered (limonitic). Fault Zone. Brecciated at 87.5-115.7. Cut by a few fine str. of gtz plus minor carb. mod. chl. alt'n.		
	136.2-136.8- core badly broken.		
	136.7- 4 cm. wide dark grey chert band.		
	137.0-137.1- gtz hematite vein at 50° to c. axis.		
	140.2-140.4- cut by several gtz-chl.-hem str. at $70^\circ-90^\circ$ to c. axis.		
	144.8-146.5- as at 115.7-129.5, some talc rich weathered gouge at 145.9		
	148.5-149.5- cut by numerous small str. white gtz with no preferred orientation.		
	136.0-149.3- core broken into 5-15 cm long sections. Strong weathering (limonite) along fract.		

METRES	DESCRIPTION	ASSAYED FOR	ASSAY RESULTS
	149.4-166.2 - mainly hyaloclastite / flow breccia Contains numerous subangular frags to 7cm. plus many smaller (<1mm to 10mm) angular shard like frags. Most frags have concentric altin rims developed. Also contains a few large (to 3cm) rounded variolites in both massive frags and matrix.		
	155.9-156.1 - massive light grey chert? Contacts at $\pm 65^\circ$ to c. axis.		
	159.9-160.1 - white gtz-carb. vein at 55° to c. axis		
	160.9-161.0 - as at 159.8-160.1		
	161.5-161.6 - light grey green chert, faint budding (5mm thick) at 60° to c. axis.		
	162.4-163.2 - mixed chert, gtz-carb, hyaloclastite zone with 3-5% fine diss py.		
	163.4-163.5 - as at 162.4-163.2		
	163.6-163.9 - Variolitic section		
	164.1 - deformed hyaloclastite developing a crude shear foliation at 75° to c. axis		
	166.4-166.8 - variolitic section		
	167.1-167.5 - as at 162.4-163.2, contains <1% diss py.		
	168.8-169.6 - variolitic		
	172.0-172.4 - variolitic		
	173.0-174.9 - variolitic		
	175.4-175.5 - cherty section at 170° to c. axis. Contains $\approx 5\%$ banded py		
	177.2-177.3 - white gtz-carb vein at $\pm 40^\circ$ to c. axis		
	178.0-181.0 - hyaloclastite		
	181.0-182.1 - variolitic		
	182.1-186.6 - hyaloclastite		
186.6-192.2	SYENITE DIKE. contacts at 60° to c. axis contains a few white round feldspar phenocrysts plus 1-2% fine diss py.		
192.2-206.0	BASALT - as at 115.7-186.6		
	192.2-206.0 - mostly hyaloclastite with 1-2% diss. py		
	193.4-193.6 - cut by several parallel white gtz strs. at 40° to c. axis		
	196.7-197.0 - contains large (10cm) frags chert		
	204.5 - 2cm wide chert band at 65° to c. axis		
	205.5-205.6 - as at 196.7-197.0		
206.0	END OF HOLE		

D. R. Hake



DIAMOND DRILL LOG



ERREX
RESOURCES INC.

PROPERTY TELGAR TOWNSHIP THACKERAY

ERRONS DATE FEB 28 1989 PAGE: 1 OF 3

HOLE NO. PT-89-31 DIP -45° AZMIUTH G. NORTH LOGGED BY D.R. HAWKE

CORE SIZE BQ TOTAL METRES 187.2 HOLE LOCATION L5+00W/3+55S

DIP METRES AND DEGREE 88.4 m = 46.1° 187.2 m = 45.1°

CASING LEFT IN HOLE: YES NO CASING METRES 48

DRILL TIME: START Feb 25/89 FINISH Mar. 2/89 MECHANICAL TIME _____

MISCELLANEOUS PROBLEMS _____

METRES	DESCRIPTION	ASSAYED FOR	ASSAY RESULTS
0.0-48.6	OVERBURDEN		
48.6-91.8	BASALT - dark green to black, massive mod. magnetic. Contains a few black tabular hornblende and/or praxe phenocrysts to 1 mm. Core is badly broken and highly weathered (Fe oxides) along fract. Some localized alt'n to lime green talc? along fract. Fault Zone		
	48.6-50.6 - casing core, poor recovery, some possible boulders mixed in.		
	60.7-61.2 - brecciated and recemented with Fe oxide.		
	64.7-69.5 - contains ≈ 5% diss. subhedral leucoxene xlsals to 1mm		
	72.2-72.3 - lime green talc with vuggy, qtz vein at 10° to c. axis.		
	73.0 - 3 mm wide specular hem vein at 15° to c. axis.		
	81.2-81.3 - diss. specular hem. blebs ≈ 3%		
	81.4 - some limonitite and talcose gouge		
	81.4-97.0 - Core is slightly less broken up with fewer fractures.		
	82.0-86.2 - cut by a few thin qtz veins 2-5 mm wide, generally at 30°-50° to core axis.		
	90.0-90.2 - vuggy white qtz. vein 1cm wide at ≈ 10° to c. axis.		
91.8-97.4	MAFIC DIKE - olive green, f.g. containing numerous dark green to black chl-talc spots to 4mm. Some appear to be phenocrysts while others look like open space filling		

ONTARIO GEOLOGICAL SURVEY
ASSESSMENT FILES
OFFICE
APR 21 1989
RECEIVED

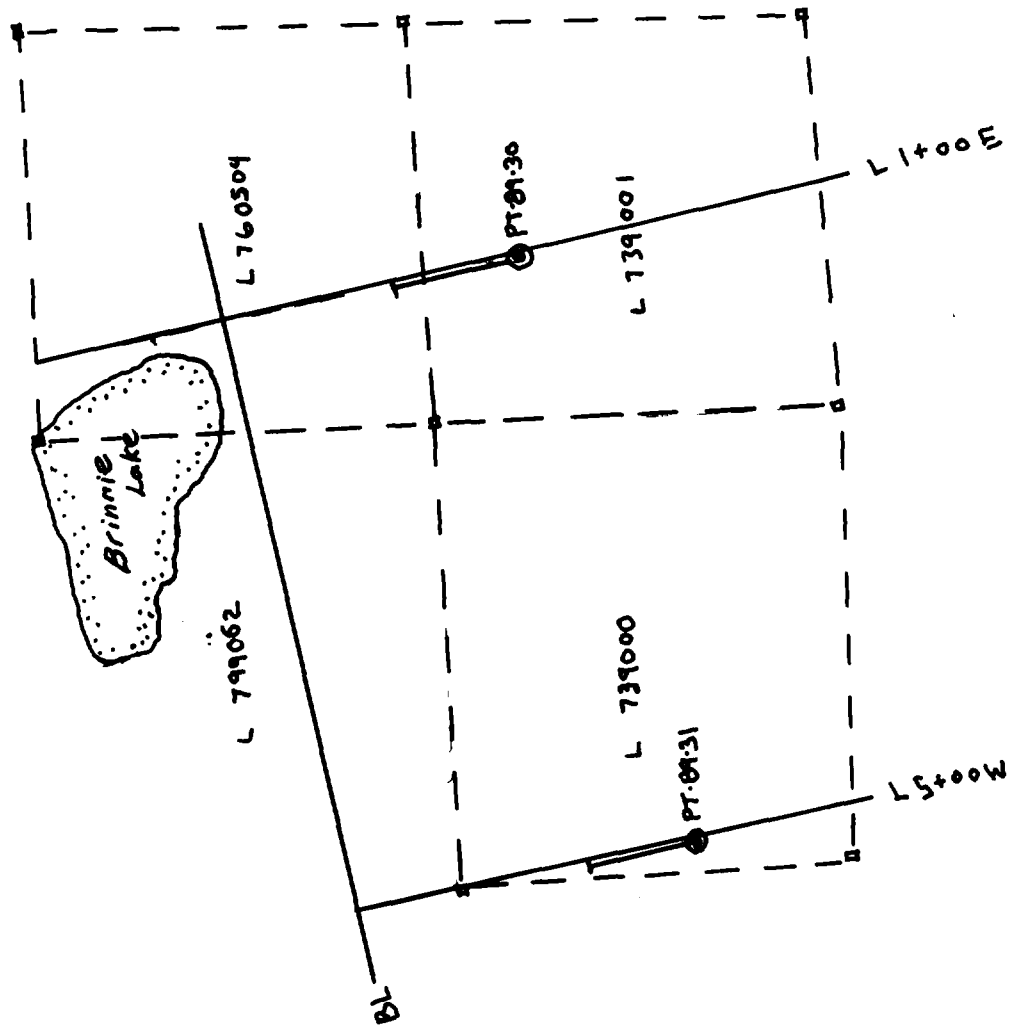
FOOTAGE	DESCRIPTION	ASSAYED FOR	ASSAY RESULTS
97.4-134.8	<p>upper contact at 65° to c. axis with much Fe oxides at contact forming a zone 6cm wide</p> <p>95.2-95.6 - core badly broken</p> <p>BASALT - as at 48.6-91.8</p> <p>97.0-98.6 - core badly broken with much Fe oxides (limonite) along fracture.</p> <p>99.5-100.6 - core badly broken</p> <p>104.7-105.1 - brecciated and recemented by white qtz.</p> <p>98.5 - some clayey, talcose gouge.</p> <p>100.3 - bright lime green talc? in fract. at 40° to c. axis</p> <p>106.0 - some limonitic gouge</p> <p>109.5-109.7 - clayey gouge</p> <p>112.5-112.9 - core badly broken</p> <p>114.0-114.6 - core badly broken</p> <p>115.7-115.9 - fract. filled with clayey, limonitic gouge</p> <p>115.7-123.7 - core badly broken</p> <p>121.2-123.7 - ground core</p> <p>125.2-128.0 - pillowed flows. Many small pillows 5-20 cm wide.</p> <p>129.4-130.0 - cherty sediments, faint bedding at 50° to c. axis.</p> <p>129.7 - talcose and clayey gouge along fract.</p> <p>130.5-130.9 - dark to light grey, fine bedded (1-3 mm) cherty seds. bedding at 55° to c. axis</p> <p>132.3-132.7 - as at 130.5-130.9 - some fine limonitic bedded material mixed in, suggesting shallow water</p>		
134.8-138.5	<p>SEDIMENTS; green to grey, f.g. thinly bedded, cherty and arenaceous sediments</p> <p>Bedding at 65° to c. axis.</p> <p>136.6-137.3 core badly broken</p>		
138.5-150.7	<p>BASALT, dark green to black, m.g. magnetic moderately chloritic in place. Most fract. coated by limonite.</p> <p>144.8 to 144.9 - limonitic (after hematite?) vein 4 mm wide at 45° to c. axis</p>		

FOOTAGE	DESCRIPTION	ASSAYED FOR	ASSAY RESULTS
	146.1 - 1cm wide hematite band $\alpha \approx 60^\circ$ to c. axis		
150.7-155.8	SEDIMENTS - as at 134.8-138.5 bedding at 65° to c. axis		
	153.7 - 2cm wide blob (frag) coarse py with 2mm wide limonite vein		
	154.0 - 1cm wide py band		
	150.7 - 151.8 - core badly broken and rubbly, some clayey gouge		
155.8 - 187.2	BASALT, as at 138.5-150.7		
	165.3-165.7 - highly weathered, very limonitic possible sed. zone		
	167.7-168.3 - core badly broken & highly weathered.		
	170.6-170.9 - cut by a few thin (3-6mm) vuggy qtz veins at $5-10^\circ$ to c. axis		
	172.4-174.0 - core badly broken, highly weathered, with some clayey gouge		
	171.7-171.8 - clay and silt filled seam. 2cm wide at 15° to c. axis.		
	178-185 - 4m core lost (ground) between		
	185.4-185.9 - core badly broken & highly weathered contains some clayey gouge.		
	185.6-187.7 - highly chl. with a few small (<1mm) pink spots (garnet?). Intense weathering along fractures		
	181.0-185.3 lost core		
	185.3-186.4 lost core		
187.2	END OF HOLE.		

D.R. Harte

PDH - locations
Scale 1:7500

PT-89-30 250 m west
100m south
#1 post
PT-89-31 400 m west
240m south
#1 post



DOCUMENT No. W8908-106

Instructions - Supply required data on a separate form for each type of work to be recorded (see table below). For Geo-technical work use form no. 1002 "Report of Work (Geotechnical, Environmental, Mechanical...)"

Name and Postal Address of Recorded Holder
COMINCO LIMITED LTD.
 2200 - 120 ADELAIDE ST. W.,



32D05N0011 21 THACKERAY

900

Summary of Work Performance and Distribution of Credits

Total Work Days Cr. claimed 3005 2540.11	Mining Claim			Work Days Cr.	Mining Claim			Work Days Cr.	Mining Claim			Work Days Cr.
	Prefix	Number	Work Days Cr.		Prefix	Number	Work Days Cr.		Prefix	Number	Work Days Cr.	
For Performance of the following work. (Check one only) <input type="checkbox"/> Manual Work <input type="checkbox"/> Shaft Sinking Drifting or other Lateral Work. <input type="checkbox"/> Compressed Air, other Power driven or mechanical equip. <input type="checkbox"/> Power Stripping <input checked="" type="checkbox"/> Diamond or other Core drilling <input type="checkbox"/> Land Survey	L-	738620	35.91	L-	738685	59.20	L-	738717	59.20			
		738678	59.20		738686	59.20		738720	40			
		738679	59.20		738687	59.20		738721	40			
		738680	59.20		738688	59.20		738722	40			
		738681	59.20		738689	40		738727	59.20			
		738682	59.20		738714	59.20		738728	59.20			
		738683	59.20		738715	59.20		738729	59.20			
		738684	40		738716	59.20		738730	59.20			

All the work was performed on Mining Claim(s): **L-739005, L-739010, L-738722, L-739001, L-738620**

Required Information eg: type of equipment, Names, Addresses, etc. (See Table Below)

HEATH AND SHERWOOD DRILLING,
 34 DUNCAN AVENUE NORTH,
 KIRKLAND LAKE, ONTARIO
 P2N 3L3

EQUIPMENT USED: HS-20A UNITIZED DRILL BQ CORE

APR 21 1989

LARDER LAKE RECEIVED
 MAR 21 1989
 AM 8:55 PM

HOLE NUMBER	FOOTAGE
PT-89-27	526 FT.
PT-89-28	585 FT.
PT-89-29	605 FT.
PT-89-30	676 FT.
PT-89-31	613 FT.
	<u>3005 FT.</u>

1 DAY FOR EACH FOOT OF BQ CORE DRILLED IN EXCESS OF 100 FT.

3005.00
 2430.11 (2540.11)
 DAYS

465 days banked for future use.

Date of Report: **MARCH 20/89**
 Recorded Holder or Agent (Signature): *Mary Greer*

Certification Verifying Report of Work
 "I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true."

Name and Postal Address of Person Certifying
MARY GREER, 103 GOVERNMENT ROAD EAST, KIRKLAND LAKE, ONTARIO P2N 1A9

Date Certified: **MARCH 20/89**
 Certified by (Signature): *Mary Greer*

Table of Information/Attachments Required by the Mining Recorder

Type of Work	Specific information per type	Other information (Common to 2 or more types)	Attachments
Manual Work	RECORDED Nil MAR 21 1989	Names and addresses of men who performed manual work/operated equipment, together with dates and hours of employment.	Work Sketch: these are required to show the location and extent of work in relation to the nearest claim post.
Shaft Sinking, Drifting or other Lateral Work			
Compressed air, other power driven or mechanical equip.	Type of equipment	Names and addresses of owner or operator together with dates when drilling/stripping done.	Work Sketch (as above) in duplicate
Power Stripping	Type of equipment and amount expended. Note: Proof of actual cost must be submitted within 30 days of recording.		
Diamond or other core drilling	Signed core log showing; footage, diameter of core, number and angles of holes.		
Land Survey	Name and address of Ontario land surveyor.	Nil	Nil

CLAIM NUMBER	WORK DAYS CR.
L-738731	59.20
L-738732	59.20
L-738733	40
L-738734	40
L-738735	40
L-738736	40
L-738737	40
L-738738	40
L-738748	59.20
L-739000	58.20
L-739001	58.20
L-739002	58.20
L-739003	58.20
L-739004	58.20
L-739005	39
L-739006	39
L-739007	39
L-739008	39
L-739009	39
L-739010	39
L-739025	59.20
L-739030	59.20
L-760504	59.20
L-799062	59.20
L-799063	59.20
	<u>2540.11</u>

