

FALCONBRIDGE NICKEL MINES LIMITED

5400N. 155 Ft.W.

Date: March 31, 1951 Location: of O R.L. Bearing: East Hole No: G.B. 21
 Logged by: W.D. Dip: -45° at collar Property: Gull Pond, Newfoundland.

<u>DIP TESTS</u>		
<u>Footage</u>	<u>Angle etched</u>	<u>Corrected angle.</u>
0.0	Hole collared at -45°	
26.0	54 degrees	45 1/2 degrees
150.0	49 "	40 1/2 "
400.0	47 "	38 1/2 "

<u>FROM</u>	<u>TO</u>	<u>DESCRIPTION</u>	<u>SAMPLE NOS.</u>
0.0	48.0	Overburden: sand, and small boulders, Vertical depth of water 15 feet.	
48.0	92.5	f.g., lt. gray, siliceous, altered, locally sericitic rhyolite, considerably fractured and cut by numerous fine lt. greenish-white and salmon-pink (carbonate?) f.f.	
92.5	193.5	"Sulphide Zone", Mostly f.g., dk. green, altered, quartz-anthophyllite-chlorite-cordierite andesite with minor magnetite and varying amounts of disseminated pyrite, pyrrhotite and chalcopyrite.	
193.5	203.5	Medium f.g., dk. green, massive, intermediate dyke rock cut by numerous fine epidote f.f. (possibly diabase).	
203.5	238.0	Mostly f.g., dk. green, quartz-anthophyllite-chlorite-cordierite andesite with minor pyrite, pyrrhotite and chalcopyrite.	
238.0	281.0	Very f.g., dk. brownish-grey, cherty-looking, finely banded and locally crenulated tuff with some cordierite and considerable biotite and anthophyllite throughout. Cut by numerous quartz f.f.	
281.0	327.0	f.g., dk. green, altered anthophyllite-cordierite-chlorite andesite with very minor intercalated tuff.	
327.0	338.5	f.g., dk. green, altered, chloritic andesite, with scattered magnetite grains and scattered pyrite blebs.	
338.5	341.6	f.g., dk. green, massive, intermediate dyke rock, probably diabase.	
341.6	358.0	f.g., dk. green, quartz-anthophyllite-chlorite andesite, somewhat schistose at 40° and with occasional specks chalcopyrite.	
358.0	372.0	Mostly f.g., grayish-brown, cherty-looking, finely banded and locally crenulated tuffs with some cordierite development and with local pyrite and pyrrhotite concentrations.	
372.0	408.6	Medium f.g., dk. greyish-green, massive dyke rock of dioritic composition (probably diabase)	

HOLE FINISHED

Hole started March 29, 1951
 Hole finished April 2, 1951.

Hole cemented down to 110' and casing pulled.
 Hole stopped prematurely because of dangerous ice conditions in the vicinity of the drill-shack.

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SAMPLE NO.	FROM	TO	LENGTH	% CU	CU	DESCRIPTION
1355	92.5	102.5	10.0	0.69		Fine grained, dark green, altered, chlorite-anthophyllite andesite with minor disseminated pyrite and pyrrhotite. 15% Core Recovery.
1356	97.0	102.0		0.26		S L U D G E S A M P L E
1357	102.5	107.5	5.0	0.78		Fine grained, dark green, chlorite-anthophyllite-cordierite andesite, with minor disseminated pyrite, pyrrhotite and chalcopyrite.
1358	107.5	112.5	5.0	1.04		Fine grained, dark green, chlorite-anthophyllite-cordierite andesite with minor disseminated pyrite and pyrrhotite and 2 to 3% chalcopyrite.
1359	112.5	117.5	5.0	0.53		Similar, with some quartz fracture fill and very minor sulphides.
	117.5	118.0				C O R E G R O U N D
1360	118.0	122.0	4.0	1.57	6.28	70% core recovery, similar to 112.5-117.5, with numerous quartz fracture fill and with 3% chalcopyrite.
	122.0	123.0				C O R E G R O U N D
1361	123.0	123.7	0.7	1.31	0.92	Similar to 118-122, and with 2 to 3% chalcopyrite.
	123.7	124.7				C O R E G R O U N D
1362	124.7	128.5	3.8	2.06	7.83	Fine grained, dark green, altered, chlorite-anthophyllite-cordierite andesite with 6% blebs and fracture fill chalcopyrite.
	128.5	129.0				C O R E G R O U N D
1363	129.0	132.0	3.0	2.10	6.30	Similar to 124.7-128.5 and with 8 to 10% chalcopyrite. Slightly schistose at 45°.
1364	132.0	137.5	5.5	1.72	9.46	Fine grained, dark green, altered, quartz-anthophyllite-chlorite-cordierite andesite with 4 to 5% pyrrhotite and 6% chalcopyrite. Slightly schistose at 45 to 50°.
1365	137.5	143.0	5.5	0.40		Similar, with minor pyrrhotite and 1 to 2% chalcopyrite.

SAMPLE NO.	FROM	TO	LENGTH	% CU	CU	DESCRIPTION
1366	143.0	147.5	4.5	0.48		Similar, with minor pyrrhotite and 2% chalcopyrite.
1367	147.5	157.0	9.5	2.43		Similar, with 8 to 10% chalcopyrite. Slightly schistose at 50°.
1368	157.0	165.5	8.5	0.81		Similar, with minor disseminated magnetite and 2% fine chalcopyrite.
1369	165.5	169.5	4.0	0.72		Similar, to 157.0-165.5 with some injected quartz and minor pyrrhotite and chalcopyrite,
1370	169.5	172.5	3.0	0.41		Similar, somewhat more chloritic and with 20% disseminated pyrite and pyrrhotite and 3 to 4% chalcopyrite.
1371	172.5	177.0	4.5	1.67		Mostly fine grained, altered, chloritic andesite with traces pyrite and pyrrhotite.
1372	177.0	180.5	3.5	0.14		Fine grained, dark greenish-black, quartz-anthophyllite-cordierite andesite with minor pyrite, pyrrhotite, and traces chalcopyrite.
1373	180.5	185.5	5.0	0.43		Similar, somewhat more chloritic and with minor disseminated pyrrhotite and chalcopyrite and with some intercalated tuff.
1374	185.5	190.5	5.0	0.74		Similar, with minor pyrrhotite and 1 to 2% chalcopyrite.
1375	190.5	193.5	3.0	0.35		Similar, with rare sulphide specks.
1376	203.5	211.0	7.5	0.49		Fine grained, dark green, quartz-anthophyllite-chlorite-cordierite andesite with occasional chalcopyrite blebs.
1377	211.0	216.0	5.0	0.59		Similar, somewhat more chloritic and with occasional chalcopyrite blebs and fracture-fillings
1378	216.0	222.0	6.0	0.42		Similar.
1379	222.0	227.5	5.5	0.82		Fine grained, dark green, altered, chloritic andesite with occasional scattered chalcopyrite blebs and fracture-fillings

ASSAY RECORD SHEET

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SAMPLE NO.	FROM	TO	LENGTH	% CU	CU	DESCRIPTION
1380	227.5	231.5	4.0	0.23		Similar, with minor pyrite and pyrrhotite.
1381	231.5	238.0	6.5	0.24		Fine grained, dark greenish-black, quartz-anthophyllite-cordierite andesite, with minor pyrite and pyrrhotite, slight 25° shear at 234.5 ft.
1391	315.8	317.8	2.0	0.45		Fine grained, dark green, anthophyllite-chlorite andesite, somewhat biotite and with minor disseminated pyrite, pyrrhotite and chalcopryite.
1392	358.0	367.0	9.0	0.08		Very fine grained, finely banded, cherty tuffs with minor local concentrations of pyrite and pyrrhotite.
<u>Summary:</u>						
	92.5	117.5	25.0	0.69		
	118.0	157.0	39.0	1.60		
	187.0	193.5	6.5	0.71		
	203.5	227.5	24.0	0.57		