

FALCONBRIDGE NICKEL MINES LIMITED

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92.6'N. 190'W.

Date: April 5, 1951 Location: of O. B.L. Bearings: East Hole No: G. B. 23
 Logged by: N.B. Dip: -40° at collar Property: Gull Pond, Newfoundland.

DIP TESTS

<u>Footage</u>	<u>Angle etched</u>	<u>Corrected angle.</u>
0.0	Hole collared at -40°	
150.0	15 degrees	36½ degrees
300.0	44 "	35½ "
400.0	42½ "	34 "

<u>FROM</u>	<u>TO</u>	<u>DESCRIPTION</u>	<u>SAMPLE NOS.</u>
0.0	40.0	Overturden: sand and numerous boulders.	
40.0	71.0	Badly broken core, 60% recovery: f.g., lt. grey to greenish-grey and locally pinkish, siliceous, rock cut by numerous quartz f.f., may be altered rhyolite. Minor dk. red jasper 70.5 - 71.0.	
71.0	108.0	f.g., dk. green, massive, altered, chloritic andesite with considerable talc and some anthophyllite development throughout. Sl. 60° shear at 95.5 with quartz and carbonate injection and rare specks galena (?).	
108.0	121.5	Very f.g., greyish-brown, cherty-looking, finely banded and locally cremlated tuffs with some cordierite development and minor intercalated andesite. Local pyrite mineralisation and cons. quartz injection.	
121.5	139.0	f.g., dk. greyish-green, altered, biotitic and chloritic andesite with minor local anthophyllite development.	
139.0	148.5	f.g., dk. green, altered, chlorite-cordierite andesite.	
148.5	153.5	Mostly very f.g., dk. green, cherty tuffs with minor pyrite, pyrrhotite, chalcopyrite.	1408
153.5	156.5	f.g., dk. green, quartz-anthophyllite-cordierite andesite, somewhat biotitic and with minor disseminated pyrrhotite and chalcopyrite.	1409
156.5	175.0	Very f.g., grey to brownish-grey, cherty-looking, finely banded and locally sl. cremlated, tuffs with indistinct cordierite development and minor finely disseminated pyrite throughout.	
175.0	199.6	"Sulphide Zone", f.g., dk. green, altered, chlorite-cordierite andesite with varying amounts of heavily disseminated pyrite and pyrrhotite.	
199.6	210.7	f.g., greenish-grey, cherty-looking, finely banded, siliceous tuffs with minor incipient cordierite development and minor disseminated pyrite.	
210.7	219.0	f.g., dk. greenish-black, quartz-anthophyllite-cordierite-biotite andesite, with minor disseminated acicular pyrrhotite.	

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92.6°N, 190°W.

Date: April 5, 1951 Location: of O. B.L. Bearing: East Hole No: O. B. 23

Logged by: W. B. Dip: -40° at collar Property: Gull Pond, Nfld.

FROM	TO	DESCRIPTION	SAMPLE NOS.
219.0	224.0	f.g., dk. greenish-black, massive, diabase dyke.	
224.0	237.0	f.g., dk. green, altered, chloritic andesite grading to quartz-anthophyllite-cordierite-biotite andesite.	
237.0	241.5	f.g., dk. greenish-black, trap dyke with occasional scattered feldspar phenocrysts.	
241.5	245.5	Very f.g., dk. greyish-green, cherty-looking, finely banded, silicified tuffs with minor pyrite, pyrrhotite, and trace chalcopyrite.	
245.5	270.5	f.g., dk. green, quartz-anthophyllite-chlorite-cordierite andesite with disseminated pyrrhotite and minor pyrite and magnetite throughout. (Not sampled).	
270.5	395.0	"Sulphide Zone", mostly f.g., dk. green, altered, quartz-anthophyllite-chlorite-cordierite andesite, with local talc development and locally schistose. Varying amounts of disseminated pyrite, pyrrhotite, and chalcopyrite.	
395.0	421.0	f.g., dk. green, quartz-anthophyllite-chlorite-cordierite andesite with very minor fine disseminated acicular pyrrhotite.	

HOLE FINISHED.

Hole started April 3, 1951
Hole finished April 8, 1951

Hole cemented and casing pulled.

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Badger, Newfoundland

SAMPLE NO.	FROM	TO	LENGTH	% CU	CU	DESCRIPTION
1404	108.0	110.8	2.8	0.17		Fine grained, greyish-brown, cherty-looking, finely banded tuffs with minor pyrite and cut by numerous quartz fracture-fillings.
1405	110.8	113.0	2.2	.14		Fine grained, dark green, biotitic andesite with minor disseminated pyrite.
1406	113.0	119.0	6.0	.11		Similar to 108.0-110.8
1408	148.5	153.5	5.0	0.32		Mostly very fine grained, dark green, cherty tuffs with minor pyrite, pyrrhotite, and chalcopyrite.
1409	153.5	156.5	3.0	0.71		Fine grained, dark green, quartz-anthophyllite-cordierite andesite, somewhat biotitic and with minor disseminated pyrrhotite and chalcopyrite.
1410	175.0	182.2	7.2	0.10		Fine grained, dark green, altered, chlorite-cordierite andesite with 30% heavily disseminated pyrite and pyrrhotite and minor magnetite.
1411	182.2	187.0	4.8	N11		Fine grained, dark green, altered, chlorite-cordierite andesite with minor disseminated pyrite, pyrrhotite and minor magnetite.
1412	187.0	195.0	8.0	.06		Similar, with 15% disseminated pyrite and pyrrhotite.
1413	195.0	199.6	4.6	.05		Similar, with 20 to 30% heavily disseminated pyrite and pyrrhotite.
1414	270.5	272.5	2.0	.42		Fine grained, dark green, quartz-anthophyllite-chlorite-cordierite andesite with minor pyrrhotite and chalcopyrite.
1415	272.5	281.0	8.5	.19		Similar, with minor disseminated pyrrhotite and traces chalcopyrite.
1416	281.0	283.5	2.5	.49		Similar, with minor chalcopyrite.

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Badger, Newfoundland

SAMPLE NO.	FROM	TO	LENGTH	% CU	CU	DESCRIPTION
1417	283.5	287.7	4.2	.23		Similar, less chloritic and with minor pyrrhotite.
1418	287.7	292.7	5.0	0.69		Fine grained, dark greenish-black, quartz-anthophyllite-chlorite-cordierite andesite with minor disseminated pyrrhotite and 2% chalcopyrite.
1419	292.7	297.7	5.0	0.86		Fine grained, dark green, chlorite-anthophyllite-cordierite andesite with minor magnetite, 5 to 6% pyrrhotite and 3 to 4% chalcopyrite.
1420	297.7	301.7	4.0	0.64		Similar, with 5 to 6% pyrrhotite, minor pyrite and 2% chalcopyrite.
1421	301.7	311.7	10.0	0.22		Similar, with 8 to 10% disseminated pyrrhotite and pyrite.
1422	311.7	318.5	6.8	0.68		Similar, somewhat talcose and considerably more chloritic and with 10 to 12% disseminated pyrite and pyrrhotite and 3% chalcopyrite. Slightly schistose at 55°.
1423	318.5	323.5	5.0	0.26		Similar, with 5 to 6% disseminated pyrite and pyrrhotite.
1424	323.5	328.0	4.5	0.11		Similar.
1425	328.0	336.0	8.0	0.18		Similar, to 323.5-328.0 with 12 to 15% disseminated pyrite and pyrrhotite, locally slightly schistose at 45°.
1426	336.0	339.5	3.5	.43		Similar, somewhat talcose and with 10% disseminated pyrite and pyrrhotite, and 2 to 3% chalcopyrite.
1427	339.5	345.0	5.5	.15		Fine grained, dark greenish-black, silicified, talc-chlorite-cordierite andesite with 10 to 12% disseminated pyrite and pyrrhotite.
1428	345.0	350.0	5.0	.08		Fine grained, very dark green, schistose, talc-chlorite-cordierite andesite with 6 to 8% disseminated pyrite, schistosity cuts core at approximately 40°.
1429	350.0	354.0	4.0	.09		Fine grained, dark green, quartz-chlorite-cordierite andesite with 5% disseminated pyrite and pyrrhotite, slightly schistose at 50°.
1430	354.0	361.5	7.5	.22		Similar to 345.0-350.0, with numerous injected quartz stringers and 15% disseminated pyrite and minor pyrrhotite.

ASSAY RECORD SHEET

Hole No. GB-23

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SAMPLE NO.	FROM	TO	LENGTH	% CU	CU	DESCRIPTION
1431	361.5	366.0	4.5	.48		Similar with 1 to 2% chalcopyrite.
1432	366.0	369.0	3.0	.96	2.88	Fine grained, dark green, altered, talc-chlorite-cordierite andesite with some injected quartz, 6 to 7% disseminated pyrite and pyrrhotite and 3% chalcopyrite.
1433	369.0	375.0	6.0	.64	3.84	Similar, with 2 to 3% chalcopyrite, mineralization occurs mostly as narrow parallel stringers or fracture-fills cutting core at about 60°.
1434	375.0	378.0	3.0	1.42	4.26	Similar, with 4 to 5% chalcopyrite.
1435	378.0	383.0	5.0	1.53	7.65	Similar, with 5% chalcopyrite.
1436	383.0	388.0	5.0	2.03	10.15	Similar, with 6 to 7% chalcopyrite.
1437	388.0	391.5	3.5	1.71	5.22	Similar, with 6% chalcopyrite.
1438	391.5	395.0	3.5	1.09	3.82	Similar, with minor chalcopyrite.
1439	395.0	400.0	5.0	0.16		Fine grained, dark green, quartz-anthophyllite-chlorite-cordierite andesite with very minor disseminated pyrrhotite.
1440	400.0	404.5	4.5	0.35		Similar.
<u>SUMMARY:</u>						
	148.5	156.5	8.0	0.47		
	281.0	318.5	37.5	0.55		
	336.0	339.5	3.5	0.43		
	341.5	375.0	13.5	0.73		
	375.0	395.0	20.0	1.60		