

FALCONBRIDGE NICKEL MINES LIMITED

100 ft. west of P.L.

Date: March 4, 1951 Location: on old hole No. 4 Section Hole No: G. P. # 13

Logged by: W. B. Dip: -45° at collar Property: Gull Pond, Nfld.

DIP TESTS

<u>Footage</u>	<u>Angle etched</u>	<u>Corrected Angle</u>
0.0	Hole collared at -45°	
150.0	51 degrees	42½ degrees
300.0	50 "	41½ "
500.0	48½ "	40 "

<u>FROM</u>	<u>TO</u>	<u>DESCRIPTION</u>	<u>SAMPLE NOS.</u>
0.0	38.0	Overburden: Mostly sand with occasional small boulders. Vertical depth of water 8 feet.	
38.0	107.0	"Sulphide Zone", f.g., dk. green, altered, silicified, chlorite-cordierite andesite with some anthophyllite development, and varying amounts of disseminated pyrrhotite, pyrite and chalcopyrite. See sample record sheets.	
107.0	162.0	Mostly f.g., dk. greenish-gray, altered, silicified cordierite-andesite with minor disseminated pyrrhotite, pyrite and very minor chalcopyrite. See sample record sheets.	
162.0	219.0	Very f.g., dk. green, chloritic andesite with rare blebs chalcopyrite.	
219.0	223.0	Very f.g., dk. greenish-black, trap dyke.	
223.0	239.5	f.g., dk. grayish-green, altered, chlorite-cordierite-anthophyllite andesite with occasional scattered blebs pyrrhotite and pyrite.	
239.5	248.0	Very f.g., greenish-black to brownish-black cherty-looking, finely banded tuffs (?) cut by occasional quartz f.f.	
248.0	254.0	Similar to 223.0 - 239.5.	
254.0	271.5	Very f.g., greenish-black to brownish-black, cherty-looking, altered, finely banded and locally crenulated tuffs (?), cut by occasional quartz f.f. and with minor intercalated andesite.	
271.5	275.0	f.g., dk. green, altered, chlorite-anthophyllite andesite.	
275.0	280.0	Similar to 254.0 - 271.5 and with some quartz - anthophyllite alteration. Banded at approximately 45 degrees.	
280.0	299.0	Mostly f.g., dk. green, altered chloritic andesite with some anthophyllite development, possibly some intercalated tuffs.	
299.0	307.0	f.g., dk. green, altered, chloritic andesite with some biotite and cordierite development and with some disseminated pyrite and F.F. chalcopyrite.	1185

100 ft. west of B. L.

Date: March 4, 1951 Location: on old hole No. 4 Section. Hole No: G. B. # 13

Logged by: W. P. Dip: -45° at collar Property: Gull Pond, Nfld.

FROM	TO	DESCRIPTION	SAMPLE NOS.
307.0	324.5	Very f.g., grey to brownish-grey, cherty, banded and crenulated locally biotitic tuffs with minor interlamellar pyrite throughout.	
324.5	332.0	f.g., dk. green, altered chlorite-cordierite andesite with 20% heavily disseminated pyrite.	1186
332.0	337.0	f.g., dk. green, trap dyke cut by occasional epidote f.f.	
337.0	340.5	f.g., dk. green, altered, chloritic andesite with minor disseminated pyrite.	1187
340.5	343.0	Very f.g., greyish-green, altered and fractured trap dyke.	
343.0	372.0	f.g., dk. green, altered, talc-chlorite-cordierite andesite with varying amounts of disseminated pyrite and pyrrhotite.	
372.0	374.0	60% massive pyrite, remainder f.g., white chert or rhyolite.	
374.0	388.0	f.g., dk. grey to green, altered, quartz-anthophyllite-biotite andesite with local disseminated pyrite and pyrrhotite.	
388.0	398.0	Very f.g., greyish-white, cherty, finely banded, tuffs (?), highly silicified and with minor pyrite.	
398.0	405.0	Massive pyrite.	
405.0	421.0	f.g., dk. green, altered, chlorite-cordierite andesite with heavily disseminated pyrite and pyrrhotite.	
421.0	441.5	f.g., dk. green, altered, chlorite-cordierite andesite, locally silicified and locally schistose at 55 - 60°. Minor disseminated and f.f. pyrite and pyrrhotite throughout.	
441.5	505.5	f.g., dk. green, very finely banded, cherty-looking tuffs with some chlorite and biotite development and with scattered quartz eyes and fine feldspar crystals and cut by occasional quartz and carbonate f.f., banding at 55°, possibly minor intercalated andesite.	
HOLE FINISHED.			

Hole started March 3, 1951.

Hole finished March 8, 1951.

Hole cemented down to 150' and casing pulled.

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Badger, Newfoundland

SAMPLE NO.	FROM	TO	LENGTH	% CU	CU Feet %	DESCRIPTION
1150	37.0	42.5	5.5	1.04	5.72	Fine grained, dark green, silicified, altered, chlorite-cordierite andesite, with 15% disseminated pyrrhotite and pyrite and minor chalcopyrite. Slight schistose at 60°.
1151	42.5	45.3	2.8	.94	2.63	Similar, somewhat more chloritic and with 15 to 20% disseminated pyrite and pyrrhotite and minor chalcopyrite.
1152	45.3	50.0	4.7	2.15	10.10	Similar, with some massive pyrrhotite and 3 to 4% chalcopyrite.
1153	50.0	54.0	4.0	.98	3.92	Similar, with minor disseminated pyrite, pyrrhotite and chalcopyrite.
1154	54.0	57.1	3.1	.44	1.36	Similar, somewhat more silicified and with minor pyrite, pyrrhotite and chalcopyrite.
1155	57.1	62.5	5.4	.51	2.75	Similar.
1156	62.5	65.5	3.0	2.76	8.28	Similar, with 2% chalcopyrite.
1157	65.5	72.0	6.5	2.67	17.31	Similar, with minor pyrrhotite and 6 to 8% chalcopyrite.
1158	72.0	78.5	6.5	2.11	13.70	Fine grained, dark green, altered, silicified, chlorite-cordierite andesite, with 5 to 6% fracture-fill ^{ing} chalcopyrite. Slightly schistose at 55°.
1159	78.5	80.5	2.0	.74	1.48	Similar, with very rare sulphides.
1160	80.5	85.5	5.0	2.35	11.75	Similar, somewhat more chloritic and with minor pyrrhotite and 8% chalcopyrite.
1161	85.5	91.0	5.5	2.25	12.40	Similar, with some injected quartz, and 6 to 8% chalcopyrite. Slightly schistose at 60°.
1162	91.0	95.0	4.0	1.17	4.68	Similar, with some anthophyllite development and 3 to 4% dissemination and blebs chalcopyrite.
1163	95.0	98.0	3.0	3.64	10.92	Similar, somewhat more chloritic and with 5% chalcopyrite.
1164	98.0	102.5	4.5	3.14	14.10	Similar, with 8% fracture-fill ^{ing} chalcopyrite.
	102.5	104.3				C O R E G R O U N D

ASSAY RECORD SHEET

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SAMPLE NO.	FROM	TO	LENGTH	% CU	CU Feet %	DESCRIPTION
1165	104.3	107.0	2.7	3.10	8.36	Similar, with minor disseminated pyrrhotite and pyrite and chalcopyrite.
1166	107.0	112.0	5.0	.38		Similar, with numerous chloritic slips and very minor disseminated pyrite and pyrrhotite.
1167	112.0	120.0	8.0	.30		Fine grained, dark greenish-grey, altered silicified cordierite-andesite, with some injected quartz and minor pyrrhotite, pyrite and traces chalcopyrite.
1168	120.0	125.6	5.6	.20		Similar.
1169	125.6	130.0	4.4	.27		Similar, with numerous chloritic slips, minor 20° shear at 128.3.
1170	130.0	135.0	5.0	.13		Similar.
1171	135.0	140.0	5.0	.16		Similar, with some anthophyllite development.
1172	140.0	145.0	5.0	.28		Similar to 135.0-140.0, and with minor disseminated pyrrhotite and traces chalcopyrite.
1173	145.0	149.5	4.5	.76		Similar, with 1 to 2% chalcopyrite.
1174	149.5	153.0	3.5	.79		Fine grained, dark green, altered, silicified and chloritic andesite with minor fracture-fill chalcopyrite.
1175	153.0	158.0	5.0	1.18		Similar, with some cordierite development and 2% chalcopyrite.
1176	158.0	162.0	4.0	0.35		Similar, with minor disseminated pyrrhotite and chalcopyrite.
1177	162.0	169.0	7.0	0.04		Very fine grained, dark green, altered, chloritic andesite with rare specks pyrrhotite, and pyrite and traces chalcopyrite.
1178	169.0	173.5	4.5	0.32		Similar.
1179	173.5	178.0	4.5	0.22		Similar, with minor blebs and fracture-fill chalcopyrite.
1180	178.0	183.0	5.0	0.13		Similar, with occasional blebs chalcopyrite.
1181	183.0	188.0	5.0	0.19		Fine grained, dark green, altered, chloritic andesite with occasional quartz and carbonate fracture-fill, and rare blebs chalcopyrite.
1182	188.0	195.0	7.0	0.03		Similar, locally somewhat silicified.

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SAMPLE NO.	FROM	TO	LENGTH	% CU	CU	DESCRIPTION
1183	195.0	204.0	9.0	0.10		Similar.
1184	204.0	207.5	3.5	0.66		Similar, with 3% chalcopyrite blebs and fracture-fillings.
1185	299.0	307.0	8.0	0.41		Fine grained, dark green, altered, chloritic, andesite with some biotite and cordierite development and with some disseminated pyrite and fracture-fill ^{ing} chalcopyrite.
1186	324.5	332.0	7.5	0.03		Fine grained, dark green, altered chlorite-cordierite andesite with 20% heavily disseminated pyrite.
1187	337.0	340.5	3.5	0.12		Fine grained, dark green, altered, chloritic, andesite, with minor disseminated pyrite.
1188	343.0	348.5	5.5	0.01		Fine grained, dark green, altered, talc-chlorite-cordierite andesite, with minor disseminated pyrite and pyrrhotite.
1196	348.5	352.5	4.0	Trace		Fine grained, dark green, altered talc-chlorite-cordierite andesite with minor pyrrhotite and fracture-fill ^{ing} pyrite.
1197	352.5	357.2	4.7	Trace		Similar, somewhat more chloritic and with 10 to 15% disseminated pyrite and pyrrhotite.
1198	357.2	362.2	5.0	Trace		Similar, with occasional narrow pyrite sections.
1199	362.2	365.5	3.3	Trace		Similar, somewhat biotitic and with some intercalated cherty tuff and 7 to 8% disseminated pyrite.
1200	365.5	372.0	6.5	Trace		Fine grained, dark grey, silicified, biotitic, altered andesite (?) with scattered magnetite grains and very minor pyrite and pyrrhotite.

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SAMPLE NO	FROM	TO	LENGTH	% CU	CU	DESCRIPTION
1201	372.0	374.0	2.0	Trace		60% massive pyrite, remainder fine grained white chert or rhyolite.
1202	374.0	382.0	8.0	Trace		Fine grained, dark grey to green, altered, quartz-anthophyllite-biotite andesite with local disseminated pyrite and pyrrhotite.
1203	382.0	388.0	6.0	Trace		Similar.
1204	388.0	398.0	10.0	Trace		Very fine grained, greyish-white, cherty, finely banded, tuffs (?) highly silicified and with minor pyrite.
1205	398.0	405.0	7.0	Trace		Massive pyrite.
1206	405.0	411.0	6.0	Trace		Fine grained, dark green, altered, chlorite-cordierite andesite with 40% heavily disseminated pyrite and pyrrhotite.
1207	411.0	415.0	4.0	Trace		Similar, with 50% disseminated pyrite and pyrrhotite.
1208	415.0	421.0	6.0	Trace		Fine grained, dark green, altered, chlorite-cordierite andesite with 6% disseminated pyrite and pyrrhotite.

Summary:

37.0	54.0	17.0	1.31
54.0	62.5	8.5	0.48
62.5	107.0	44.5	2.43
107.0	120.0	13.0	0.33
145.0	158.0	13.0	0.93
204.0	207.5	3.5	0.66
299.0	307.0	8.0	0.41