

FALCONBRIDGE NICKEL MINES LIMITED
Falconbridge, Ontario.

Date: Sept. 19/51 Location: 84/00 S. 85° E. Bearing: East Hole No. G.R. 102
of # I B.L.

Logged by: L. Coleman & L. Hudson Elevation: Dip: -40° Property: Gull Pond, Nfld.

DIP TESTS:

<u>Footage</u>	<u>Angle etched on tube</u>	<u>Corrected angle</u>
0.0	Collared at -40°	—
250.0	40°	33°
572.0	35°	28.5°

<u>FROM</u>	<u>TO</u>	<u>DESCRIPTION</u>	<u>SAMPLE NO.</u>
0.0	10.0	Overburden: sand and small boulders.	
10.0	13.2	Medium grained, medium grey, altered siliceous tuff, sheared and brecciated, with chiefly quartz fracture-filling, some chlorite; considerable chlorite and talc development, minor pyrite and a few specks of chalcopyrite.	
13.2	31.0	Medium grained, blue-grey rock, probably a quartz diorite, with cordierite, biotite and carbonate development, disseminated pyrite and a few specks of chalcopyrite.	
31.0	44.3	Medium grained, greenish-grey, altered siliceous tuff, with considerable biotite development, some cordierite and chlorite, occasional quartz fracture-fillings, minor pyrite and a few specks of chalcopyrite.	
44.3	48.5	Very fine grained, grey, chloritised, amygdular volcanic, with intercalated, medium grained, blue-grey, altered siliceous tuff; occasional quartz fracture-fillings, minor pyrite and chalcopyrite.	
48.5	56.5	Medium grained, greenish-grey, altered siliceous tuff, appear to contain some pyroclastic fragments or bombs, which are largely recrystallized, considerable chlorite development, quartz and carbonate fracture-fillings; minor cordierite development and a few specks of pyrite.	
56.5	63.5	Fine grained, medium grey, sheared, chloritised, amygdular andesite, with minor cordierite development.	
63.5	66.0	Fine grained, medium grey, chloritised, amygdular andesite intercalated with crenulated siliceous tuff, with minor cordierite development and pyrite.	
66.0	78.0	Fine grained, medium grey, siliceous crenulated tuff, numerous quartz eyes and some sericitization; a few amygdaloidal horizons.	
78.0	78.8	Very fine grained to fine grained, green-grey, chloritised amygdular andesite, with some buffaceous material.	
78.8	83.8	Very fine grained, banded brownish and black chert, with jasper; considerable injected quartz, some epidote and carbonate fracture-fillings	
83.8	89.2	Very fine grained, crenulated, medium grey, siliceous tuff, with some quartz eyes and chloritization; a few scattered specks of pyrite.	
89.2	91.5	Fine grained, dark greenish-grey, chloritised andesite, in part amygdaloidal, occasional quartz and carbonate fracture-fillings; some scattered specks of pyrite.	

FALCONBRIDGE NICKEL MINES LIMITED

Date: Sept. 19/51 Location: 8h/00 S. 85'E. Bearing: East Hole No. G.B. 102
of #1 R.L.

Logged by: L. Coleman & L. Hudson Elevation: _____ Dip: -10° Property: Gull Pond, Nfld.

FROM	TO	DESCRIPTION	SAMPLE NO.
91.5	102.5	Medium grained, dark grey intermediate dike rock; nests of carbonate giving a spotted effect; quartz, carbonate and epidote fracture-fillings; minor pyrite, chilling at contacts and increase in grain size away from them; contact at about 60°.	
102.5	109.6	Very fine grained, medium grey, siliceous tuff, with some chlorite and talc development; somewhat brecciated, with considerable injected quartz. 107.0 - 107.2: fine grained dark grey, slightly porphyritic dacite dikelet, with disseminated pyrite.	
109.6	115.0	Medium grained, medium brownish-grey, well-banded rock (possibly derived from an andesite tuff or from sediments); some crenulation and shearing and considerable alteration with chlorite and biotite development; disseminated pyrite and quartz fracture-fillings; spotted appearance due to nests of chlorite. 113.8-114.3: band of fine grained, light grey siliceous tuff.	
115.0	124.6	Similar to 109.6-115.0, which appears to be changing to or being replaced by a fine grained to medium grained, medium green-grey, intermediate dike rock (dolerite ?) and it shows progressive alteration towards centre; disseminated pyrite showing some segregation in bands, especially where there is quartz fracture-filling.	
124.6	125.9	Fine grained, greyish-brown, sheared tuff, with biotite and chlorite development, minor pyrite paralleling the shearing.	
125.9	131.7	Fine grained, dark bluish-black, highly chloritized and slightly sheared andesite, with cordierite development, injected quartz fracture-filling and minor pyrite.	
131.7	141.7	Fine grained, light bluish-grey, sheared tuff, with cordierite and talc development and considerable injected quartz fracture-filling.	
141.7	146.0	Similar to (115-124.6)	
146.0	168.2	Fine grained, light bluish-grey, sheared tuff, with local chlorite development and minor pyrite. 146.5 - 149.1: numerous quartz injections.	
168.2	204.4	Fine grained to very fine grained, light grey, siliceous tuff, crenulated in part and locally highly chloritized with considerable quartz fracture-filling and disseminated pyrite. 195 - 196.3: pronounced biotite development. 200 - 202: massive sulphides (pyrite) and injected quartz.	
204.4	231.4	fine grained, medium grey, sheared and well crenulated tuff, with some chlorite, biotite and sericite development, numerous quartz injections and minor pyrite.	

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Date: Sept. 19/51 Location: 84°00 S. 85°E. Bearings: East Hole No. G.B. 102
of #1 B.L.

Logged by: L. Coleman & L. Hudson Elevation: _____ Dip: -10° Property: Gull Pond, Nfld.

FROM	TO	DESCRIPTION	SAMPLE NO.
231.4	264.6	Fine grained, medium to light grey, siliceous sheared tuff, with some cordierite, biotite and chlorite development and intercalated light bluish-grey, cherty-looking rock. 233.8 - 234.8: disseminated chalcopyrite in chert. 254.7 - 260.8: abundant quartz fracture-filling.	
264.6	270.0	Fine grained to very fine grained, light grey, sheared and well orenulated tuff, with sulphide (pyrite) banding.	
270.0	294.0	Fine grained, medium grey siliceous tuff, orenulated in part, with cordierite and chlorite development (chloritization increasing with depth). 291.3 - 291.8: disseminated chalcopyrite. 292 - 294 : coarse grained.	
294.0	315.2	Fine grained, dark greenish-black, highly chloritised tuff (probably an andesitic tuff in origin), with quartz fracture-filling locally. 313 - 313.6: disseminated chalcopyrite.	
315.2	328.4	Fine grained, medium grey and brown, siliceous sheared tuff, with cordierite and biotitic development and minor disseminated pyrite.	
328.4	330.2	Fine grained, black dolerite dyke.	
330.2	337.2	Similar to 315.2 - 328.4.	
337.2	358.3	Medium grained, grey-black, slightly ophitic dolerite dyke. 338.4 - 338.9: similar to 315.2 - 328.4 337.2 - 342.7: very fine grained, medium grey to putty-colored chilled contact.	
358.3	417.4	Fine grained, dark greenish-black, highly chloritised tuff (andesite tuff originally ?), with pronounced epidote development along the banding.	
417.4	432.2	Fine grained to medium grained, dark green-black, met. hb. andesite, with occasional quartz and carbonate fracture-fillings	
432.2	435.3	Fine grained, dark greenish-grey, sheared andesitic tuff.	
435.3	438.4	Fine grained to very fine grained, dark green-grey, sheared andesite.	
438.4	442.1	Similar to 417.4 - 432.2	
442.1	504.3	Fine grained, dark green-grey andesite, with pronounced chlorite development locally; epidote and carbonate fracture-filling.	
504.3	517.3	Fine grained dark grey-black, hb. andesite, with a weak banding (somewhat orenulated); minute particles of chalcopyrite and pyrite throughout and occasional epidote and carbonate fracture-fillings	
517.3	540.8	Similar to 417.4 - 432.2.	
540.8	558.5	Fine grained, medium grey to dark greenish-grey andesite, locally highly chloritised, with numerous epidote fracture-fillings, some biotite development and occasional quartz fracture-fillings	

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Date: Sept. 19/51 Location: 8h. 00 85'E. Bearing: East Hole No. G.H. 102
of #1 B.L.

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<u>FROM</u>	<u>TO</u>	<u>DESCRIPTION</u>	<u>SAMPLE NO.</u>
558.5	567.4	Very fine grained, white quartz veining.	
567.4	570.8	Finegrained to medium grained, medium grey, siliceous tuff, with cordierite and biotite development.	
570.8	572.0	Similar to 540.8 - 558.5, but with pronounced epidote fracture-filling.	

END OF HOLE.

Hole started: September 11, 1951.
Hole finished: September 15, 1951.

All casing pulled.

No AX core drilled.

ASSAY RECORD SHEET

GULLBRIDGE MINES LIMITED
Badger, Newfoundland

Hole No. GB-102

						DESCRIPTION
SAMPLE NO.	FROM	TO	LENGTH	% CU	OZ AU	
3322	233.8	234.8	1.0	1.89	.04	Very fine grained, light bluish-grey, cherty-looking rock. 3 to 5% chalcopyrite.