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FALCONBRIDGE NICKEL MINES LIMITED
Falconbridge, Ontario.

Date: September 4/51 Location: 80/00S 187'E of #1 Base Line Bearing: East Hole No. G.B. 100

Logged by: L.B.H. & L.G.H. Elevation: Dip: -45° Property: Gull Pond, Nfld.

DIP TESTS:

Footage	Angle etched on tube	Corrected Angle
0.0	collared at 45°	
200.0	50°	43°
409.0	45°	38°

From	To	Description	Sample
0.0	8.5	Overburden: small boulders and gravel.	
8.5	16.0	Fine grained to very fine grained, dark grey slightly altered tuff, locally cremulated with cordierite development and minor disseminated pyrite.	
16.0	22.5	Medium grained, light blue-grey rock, probably a quartz diorite, with cordierite development and minor disseminated pyrite and a few specks of chalcopyrite.	
22.5	59.3	Fine grained to very fine grained, medium grey, sheared, altered tuff, locally siliceous, with occasional blebs of cordierite, numerous quartz injections, occasional epidote and carbonate fracture-fillings, minor chlorite and biotite. Very minor pyrite, galena, chalcopyrite and sphalerite.	
59.3	84.2	Fine grained, medium dark green-grey, sheared and slightly altered andesite, with local biotite and cordierite development, occasional quartz injections and carbonate fracture-filling, minor disseminated pyrite.	
84.2	92.2	Fine grained to very fine grained, medium grey, sheared, altered tuff locally cremulated with blebs of cordierite, occasional quartz injections and epidote fracture-fillings	
92.2	96.5	Fine grained, medium green-grey, porphyritic andesite, with phenocrysts of feldspar, occasional epidote and carbonate fracture-fillings	
96.5	129.6	Similar to 84.2-92.2, with several bands of jasper.	
29.6	185.1	Fine grained, dark grey-green andesite, slightly altered and locally sheared, with occasional quartz, epidote and carbonate fracture-fillingsand some intercalated altered tuff.	
85.1	201.3	Fine grained to very fine grained, medium grey, altered tuff, with local biotite and chlorite development and numerous quartz injections.	
01.3	213.5	Fine grained, dark green-black, highly chloritic andesite, with occasional epidote fracture-fillings; 212-213.5 has a large amount of injected quartz.	
13.5	225.3	Very fine grained, light greyish-white chert, with some intercalated, green-black, chloritic, siliceous, andesite. Massive pyrite bands throughout, but confined largely to the andesite, also present is disseminated cubic pyrite.	
25.3	242.6	Fine grained to very fine grained, light bluish-gre[illegible] rhyolite tuff, chloritized and sericitized in part, blebs of cordierite and minor disseminated pyrite. [illegible] is very distinctive.	

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From	To	Description	Sample No.
242.6	248.0	Fine grained, dark bluish-black, highly chloritized andesite, with massive sulphides (pyrite) and very minor galena and chalcopyrite.	
248.0	259.2	Similar to 225.3-242.6, with locally crenulated tuff.	
259.2	260.9	Similar to 201.3-213.5.	
260.9	285.0	Similar to 225.3-242.6, with varying amounts of chalcopyrite and pyrrhotite.	
285.0	285.9	Fine grained, blue-grey, highly chloritized, rhyolitic tuff, with cordierite, biotite and injected quartz. Minor pyrrhotite and chalcopyrite.	
285.9	288.2	Fine grained, green-black trap dyke-rock.	
288.2	296.7	Similar to 285.0-285.9.	
296.7	300.6	Similar to 285.9-288.2	
300.6	304.9	Very fine grained, dark greenish-black, siliceous tuff, with highly chloritized bands. Varying amounts of chalcopyrite and pyrrhotite.	
304.9	311.3	Similar to 300.6-304.9, but more siliceous. Very minor pyrite, pyrrhotite and chalcopyrite.	
311.3	320.0	Very fine grained, light, greyish-white chert, with minor chalcopyrite and pyrrhotite mineralization along fractures. Highly chloritized local bands.	
320.0	327.7	Similar to 300.6-304.9, but not mineralized.	
327.7	331.3	Similar to 311.3-320.0, but with only minor cubic pyrite mineralization.	
331.3	342.9	Very fine grained, dark greenish-black, siliceous tuff, locally chloritized and with injected quarts. Minor pyrite and magnetite.	
342.9	371.0	Fine grained to very fine grained, light, bluish-grey, rhyolitic tuff, with some injected quarts. Similar in appearance to 225.3-252.6 (distinctive banding).	
371.0	405.0	Fine grained, dark, grey-black, chloritic andesite, locally sheared and with anthopyllite development. Some injected quarts and epidote fracture-filling.	
405.0	409.0	Similar to 342.9-371.0.	
		END OF HOLE.	
		AX Core 8.5 - 24.0'	
		Hole Started: August 27th, 1951. Hole Finished: August 31st, 1951.	

ASSAY RECORD SHEET

GULLBRIDGE MINES LIMITED
Badger, Newfoundland

Hole No. GB-100

SAMPLE NO.	FROM	TO	LENGTH	% CU	OZ. AU.	% ZN	%PB	DESCRIPTION
3306	247.3	249.6	2.3	.06	.01			Massive pyrites.
	249.6	263.9	NOT SAMPLED					
3307	263.9	264.8	0.9	6.38	.02			Fine grained, light bluish-grey rhyolite tuff. Chlorite, sericite and cordierite development with 15 to 20% chalcopyrite and pyrrhotite.
	264.8	265.5	NOT SAMPLED					
3308	265.5	265.8	0.3	7.72				Similar to above with grains of magnetite. 8 to 10% chalcopyrite and pyrrhotite.
	265.8	268.4	NOT SAMPLED					
3309	268.4	269.1	0.7	2.61				Fine grained, light bluish-grey rhyolitic tuff, with grains of magnetite. 5 to 7% chalcopyrite and pyrrhotite.
	269.1	277.7	NOT SAMPLED					
3310	277.7	280.0	2.3	.22		Tr.		Similar to above with chlorite and biotite. 5 to 7% chalcopyrite and pyrrhotite.
	280.0	282.8	NOT SAMPLED					
3311	282.8	285.0	2.2	1.66		.23	Nil	Similar to above. 10 to 12% chalcopyrite and pyrrhotite.
3312	285.0	285.9	0.9	.25		Tr.		Fine grained, blue-grey, chloritic rhyolitic tuff, with cordierite, biotite and injected quartz. Minor pyrrhotite and pyrite.
	285.9	288.2	2.3	DIKE		(NOT SAMPLED)		
3313	288.2	291.7	3.5	.15		Tr.		Fine grained, blue-grey, chloritic rhyolitic tuff, with cordierite, biotite and injected quartz. Minor pyrrhotite and chalcopyrite.
3314	291.7	296.7	5.0	Nil		Tr.		Similar to above.
	296.7	300.6	3.9	DIKE ROCK		(NOT SAMPLED)		
3315	300.6	303.2	2.6	.76	.01			Very fine grained, dark greenish-black siliceous tuff, with chlorite. 10 to 12% chalcopyrite and pyrrhotite.
3316	303.2	304.9	1.7	.35	.18	Tr.	Nil	Similar to above with minor chalcopyrite and pyrrhotite.