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FALCONBRIDGE NICKEL MINES LIMITED.

DATE: 12/5/'51 Location: Approx. 6h.0'S. 120'W. Bearing: East Hole No: G.B.3h.

Logged by: W.B. Dip: -75° at collar Property: Gull Pond, Newfoundland.

DIP TESTS.

Footage	Angle etched on tube	Corrected angle
0.0	Hole collared at -75°	
200.0	78°	73°
400.0	75°	70°
575.0	76°	71°

FROM	TO	DESCRIPTION	SAMPLE NOS.
0.0	15.0	Overburden: Sand with numerous boulders.	
15.0	17.0	Mostly very fine grained, cherty, brownish-grey, well banded tuff with heavily disseminated pyrrhotite and 6-7% chalcopyrite.	1863
17.0	36.0	"Sulphide zone" fine grained, dark green, quartz-anthophyllite-chlorite cordierite andesite with varying amounts of disseminated pyrrhotite and pyrites and chalcopyrite.	
36.0	44.5	Fine grained, dark green, altered talc-chlorite-cordierite andesite with minor disseminated pyrites and pyrrhotite.	
44.5	47.5	Very fine grained, brownish-grey, cherty-looking, banded and granulated tuff with very minor p yrites specks.	1870
47.5	104.5	Fine grained, greyish-green, altered talc-chlorite-cordierite andesite with some biotite development and minor pyrites specks, locally slightly silicified.	
104.5	119.5	"Sulphide zone" mostly fine grained, dark green, altered talc-chlorite-biotite-cordierite andesite with disseminated pyrrhotite and pyrites.	
119.5	126.0	Very fine grained, greenish-grey, cherty, slightly banded tuff (?) with 5-6% disseminated pyrites.	1876
126.0	150.0	"Sulphide zone" fine grained, gark green, chlorite-cordierite andesitewith heavily disseminated pyrites and pyrrhotite.	
150.0	185.0	Fine grained, dark green, altered , chlorite-cordierite andesite to chloritic andesite with minordisseminated pyrites and fracture fillings of same. Moderately strong 25° shearing 160.0-170.0.	
185.0	191.5	Very fine grained, greenish-grey to brownish-grey, cherty, slightly banded siliceous tuff(?)	
191.5	234.5	Mostly fine grained, dark green, chlorite-cordierite andesite with local quartz, talc, anthophyllite, and biotite development and with varying amounts of disseminated pyrrhotite and pyrites.	
234.5	244.5	Mostly massive pyrites. (Apparently replacing light grey, granulated siliceous tuff.)	1902

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FALCONBRIDGE NICKEL MINES LIMITED

DATE: 12/5/'51 Location: Approx. 64.8'S. 120.0'W. Bearing: East. Hole No: G.B.34.

Logged by: W.B. Dip: -70° at collar Property: Gull Pond, Newfoundland.

FROM	TO	DESCRIPTION	SAMPLE NOS.
244.5	248.0	Fine grained, altered, chlorite-cordierite andesite with minor dark greyish-green, cherty rock, 40-50% heavily disseminated pyrites.	1903
248.0	252.2	Very fine grained, light grey, cherty, banded tuff with scattered green blotches and with 10% local pyrites concentrations.	1904
252.2	255.8	Fine grained, dark green, chlorite-cordierite andesite with 30% heavily disseminated pyrites, pyrrhotite and traces of chalcopyrite.	1905
255.8	261.0	Fine grained, dark grey to brownish-grey, highly cherty slightly banded tuff(?) with 10-15% local pyrites concentrations.	1906
261.0	271.0	Very fine grained, greenish-grey to brownish-grey fairly massive, cherty rock with scattered magnetite and local heavy pyrites.	
271.0	570.0	"Sulphide zone" Fine grained, dark green, chlorite-cordierite andesite with local talc and biotite development and varying amounts of disseminated pyrites, pyrrhotite and chalcopyrite. Dissemination and seams of magnetite throughout.	
570.0	576.5	Very fine grained, dark grey to brownish-grey, cherty, slightly banded tuff with some cordierite development and minor disseminated euhedral pyrites.	

HOLE FINISHED.

Hole started 12/5/'51
Hole finished 18/5/'51

Casing left in and hole left open.

ASSAY RECORD SHEET

Hole No. GB-34

GULLBRIDGE MINES LIMITED
Badger, Newfoundland

SAMPLE NO.	FROM	TO	LENGTH	% CU	CU Feet %	DESCRIPTION
1863	15.0	17.5	2.5	0.86	2.15	Mostly very fine grained, cherty, brownish-grey, well-banded, tuff with heavily disseminated pyrrhotite and 6 to 7% chalcopyrite.
1864	17.5	23.0	5.5	1.05 (1.08)	5.78	Fine grained, dark greenish-black, quartz-anthophyllite-chlorite-cordierite andesite with 8% finely disseminated pyrrhotite and 6 to 7% blebs and disseminated chalcopyrite.
1865	23.0	28.0	5.0	1.14	5.72	Similar, locally biotitic and with 4 to 5% chalcopyrite.
1866	28.0	31.0	3.0	0.30	0.90	Similar, with 7 to 8% disseminated pyrrhotite and pyrite and traces chalcopyrite.
1867	31.0	36.0	5.0	0.19		Similar, somewhat less chloritic and with 6 to 7% disseminated pyrrhotite and pyrite.
1868	36.0	42.5	6.5	0.16		Fine grained, dark green, altered talc-chlorite-cordierite andesite with minor disseminated pyrite and pyrrhotite.
1869	42.5	44.5	2.0	0.05		Similar to 36.0-42.5.
1870	44.5	47.5	3.0	0.09		Very fine grained, brownish-grey, cherty-looing, banded and cremulated tuff with very minor pyrite specks.
1871	47.5	52.0	4.5	0.05		Fine grained, greyish-green, talc-chlorite-biotite-cordierite (?) andesite with minor pyrite.
1872	52.0	54.5	2.5	0.55		Similar, with 25% heavily disseminated pyrrhotite and pyrite and traces chalcopyrite.
1873	54.5	58.0	3.5	0.15		Similar, with very minor pyrite.
	58.0	104.5	N O T	S A M P L E D		
1874	104.5	114.5	10.0	0.36		Fine grained, dark green, talc-chlorite-biotite-cordierite andesite with 15% disseminated pyrite and pyrrhotite.
1875	114.5	119.5	5.0	0.06		Fine grained, dark green, chlorite-biotite-talc-cordierite andesite with 15 to 20% pyrrhotite, pyrite and minor chalcopyrite.

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ASSAY RECORD SHEET

Hole No. GB-34

GULLBRIDGE MINES LIMITED
Badger, Newfoundland

SAMPLE NO.	FROM	TO	LENGTH	% CU	CU "Feet %"	DESCRIPTION
1876	119.5	126.0	6.5	0.19		Very fine grained, greenish-grey, cherty, slightly banded tuff (?) with 5 to 6% disseminated pyrite.
1877	126.0	133.0	7.0	0.49		Fine grained, dark green, chlorite-cordierite andesite with minor intercalated tuff and with 25% disseminated pyrrhotite and pyrite and minor chalcopyrite.
1878	133.0	143.0	10.0	0.30		Fine grained, dark green, quartz-anthophyllite-chlorite-cordierite andesite with very minor disseminated pyrite.
1879	143.0	150.0	7.0	1.05	7.35	Fine grained, dark green, altered chlorite-cordierite andesite with 30 to 40% heavily disseminated pyrite.
1880	150.0	158.0	8.0	0.11	0.88	Fine grained, dark green, chlorite-cordierite andesite with minor disseminated pyrite.
1881	158.0	159.0	1.0	2.29	2.29	Similar to 150.0-158.0 with 1/4 inch chalcopyrite fracture-filling.
	159.0	191.5	N O T	S A M P L E D		
1882	191.5	196.0	4.5	0.42		Fine grained, greenish-grey, locally cherty, quartz-talc-chlorite andesite with minor intercalated tuff and minor pyrite.
1883	196.0	201.0	5.0	0.27		Fine grained, dark green, quartz-talc-chlorite-cordierite andesite with 6 to 7% disseminated pyrrhotite and pyrite.
1884	201.0	205.0	4.0	0.14		Mostly chlorite-cordierite andesite, locally talcose and biotitic with 15% disseminated pyrrhotite and pyrite.
1885	205.0	208.0	3.0	0.13		Mostly fine grained, dark green, chlorite-cordierite andesite with 10% disseminated pyrite and pyrrhotite.
1886	208.0	215.5	7.5	0.07		Mostly fine grained, dark green, chlorite-cordierite andesite with some quartz, anthophyllite and talc development and 10 to 15% pyrrhotite and pyrite.
1887	215.5	225.5	10.0	0.21		Fine grained, dark greenish-black, quartz-anthophyllite-talc-chlorite andesite with very minor pyrite.

ASSAY RECORD SHEET

Hole No. 05-34

Page 3.

GULLBRIDGE MINES LIMITED
Badger, Newfoundland

SAMPLE NO.	FROM	TO	LENGTH	% CU	CU Feet %	DESCRIPTION
1888	225.5	232.5	7.0	0.17		Fine grained, dark green, chlorite-cordierite andesite, locally biotitic and with 15 to 17% disseminated pyrite and pyrrhotite.
1901	232.5	234.5	2.0	0.12		Fine grained, dark green, chlorite-cordierite andesite with 25% heavily disseminated pyrite and minor pyrrhotite.
1902	234.5	244.5	10.0	0.08		Mostly massive pyrite, apparently replacing light grey, crenulated siliceous tuff.
1903	244.5	248.0	3.5	0.16		Fine grained, altered, chlorite-cordierite andesite with minor dark greyish-green, cherty rock. 40 to 50% heavily disseminated pyrite.
1904	248.0	252.2	4.2	0.15		Very fine grained, light grey, cherty, banded tuff with scattered green blotches and with 10% local pyrite concentrations.
1905	252.2	255.8	3.6	0.48		Fine grained, dark green, chlorite-cordierite andesite with 30% heavily disseminated pyrite, pyrrhotite and traces chalcopyrite.
1906	255.8	261.0	5.2	0.20		Fine grained, dark grey to brownish-grey, highly cherty, slightly banded tuff (?) with 10 to 15% local pyrite concentrations.
1907	261.0	267.0	6.0	0.11		Very fine grained, greenish-grey to brownish-grey, fairly massive, cherty rock with minor fine magnetite and pyrite.
1908	267.0	271.0	4.0	0.05		Similar with 25% disseminated and fracture-filling pyrite.
1909	271.0	275.0	4.0	0.59	2.36	Altered andesitic material with 50% heavily disseminated pyrite with traces chalcopyrite.
1910	275.0	278.5	3.5	2.87	10.05	Fine grained, dark green, chlorite-cordierite andesite with 15% pyrrhotite and 6 to 8% chalcopyrite.
1911	278.5	283.5	5.0	3.50	17.5	Fine grained, dark green, talc-chlorite-cordierite andesite with 15 to 20% disseminated pyrrhotite and pyrite and 7 to 8% chalcopyrite.
1912	283.5	288.5	5.0	3.38	16.80	Similar, locally biotitic and with 20% disseminated pyrite and pyrrhotite and 7 to 8% chalcopyrite.

ASSAY RECORD SHEET

Hole No. GB-34

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GULLBRIDGE MINES LIMITED
Badger, Newfoundland

SAMPLE NO.	FROM	TO	LENGTH	% CU	CU Feet %	DESCRIPTION
1913	288.5	291.0	2.5	2.55	6.38	Fine grained, dark green, quartz-talc-chlorite-cordierite andesite with 10 to 15% disseminated pyrrhotite and 6% chalcopyrite.
1914	291.0	296.5	5.5	1.78	9.79	Similar, locally slightly biotitic and with 10 to 15% pyrrhotite and disseminated and blebs chalcopyrite.
1915	296.5	301.5	5.0	0.34		Fine grained, dark green, chlorite-cordierite andesite with minor talc development and 15% disseminated pyrite and pyrrhotite.
1916	301.5	306.5	5.0	0.12		Fine grained, dark green, chlorite-cordierite andesite with 15 to 17% disseminated pyrrhotite and pyrite.
1917	306.5	316.5	10.0	Trace		Fine grained, dark green, chlorite-cordierite andesite with 20% disseminated pyrite and pyrrhotite.
1918	316.5	326.5	10.0	0.04		Similar, with 25% disseminated pyrite and pyrrhotite.
1919	326.5	336.5	10.0	Nil		Similar, with 30% disseminated pyrite and pyrrhotite, minor disseminated and fracture-filling magnetite.
1920	336.5	343.0	6.5	0.05		Similar.
1921	343.0	349.0	6.0	Nil		Fine grained, dark green, quartz-talc-chlorite-cordierite andesite with 6 to 7% disseminated pyrite and pyrrhotite.
1923	349.0	355.0	6.0	Trace		Fine grained dark green, quartz-talc-chlorite-cordierite (?) andesite with minor disseminated pyrite and pyrrhotite.
1924	355.0	365.0	10.0	0.10		Fine grained, dark green, quartz-chlorite-cordierite andesite with 15% disseminated pyrite and pyrrhotite and fine magnetite throughout.
1925	365.0	370.0	5.0	1.32	6.60	Similar, with some talc development and 10 to 12% disseminated pyrrhotite and pyrite and 5% blebs and disseminated chalcopyrite.
1926	370.0	372.0	2.0	1.95	3.90	Similar, with 20 to 25% heavily disseminated pyrrhotite and 3 to 4% chalcopyrite.
1927	372.0	375.5	3.5	0.41		Fine grained, dark green, chlorite-cordierite andesite with 20% disseminated pyrite and pyrrhotite.

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ASSAY RECORD SHEET

Hole No. GB-34

GULLBRIDGE MINES LIMITED
Badger, Newfoundland

SAMPLE NO.	FROM	TO	LENGTH	% CU	CU	DESCRIPTION
1928	375.5	385.5	10.0	0.11		Fine grained, dark greenish-black, quartz-chlorite-cordierite andesite with 15% disseminated pyrite and minor pyrrhotite.
1929	385.5	395.0	9.5	0.05		Similar, with 20% pyrite.
1930	395.0	403.0	8.0	0.07		Similar to 385.5-395.0, with 10% disseminated pyrite and pyrrhotite.
1931	403.0	413.0	10.0	Trace		Fine grained, dark green, chloritic andesite with some quartz, biotite and cordierite development and 20 to 25% heavily disseminated pyrite.
1932	413.0	423.0	10.0	Trace		Fine grained, dark green, quartz-chlorite-cordierite andesite with 15 to 20% disseminated pyrite.
1933	423.0	428.0	5.0	Trace		Similar, with local biotite development and 20 to 30% heavily disseminated pyrite.
1934	428.0	435.5	7.5	Trace		Fine grained, dark green, chloritic andesite with some quartz and cordierite development and 8 to 10% disseminated pyrite and pyrrhotite.
1935	435.5	443.0	7.5	Trace		Fine grained, dark green, quartz-chlorite-cordierite andesite with 10 to 15% disseminated pyrite.
1936	443.0	453.0	10.0	Trace		Fine grained, dark green, quartz-chlorite-cordierite-andesite with some biotite development and 15% disseminated pyrite.
1937	453.0	463.0	10.0	Trace		Similar, with 15% disseminated pyrite.
1938	463.0	473.0	10.0	Trace		Mostly fine grained, dark green, quartz-chlorite-cordierite andesite with 15% disseminated pyrrhotite and pyrite.
1939	473.0	479.0	6.0	Trace		Similar, with 15 to 17% disseminated pyrrhotite and pyrite and minor magnetite.
1940	479.0	489.0	10.0	Trace		Fine grained, dark green, quartz-chlorite-cordierite andesite with 7 to 8% disseminated pyrrhotite and pyrite, occasional chloritic slips from 482-485.
1941	489.0	499.0	10.0	Trace		Similar, locally cherty and with 6 to 8% disseminated pyrite.

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ASSAY RECORD SHEET

Hole No. GB-34

GULLBRIDGE MINES LIMITED
Badger, Newfoundland

SAMPLE NO.	FROM	TO	LENGTH	% CU	CU	DESCRIPTION
1942	499.0	506.5	7.5	Trace		Fine grained, dark green, chlorite-quartz-cordierite andesite with 7 to 8% disseminated pyrrhotite and pyrite.
1943	506.5	511.5	5.0	0.28		Fine grained, dark green, quartz-anthophyllite-chlorite andesite with minor disseminated pyrite.
1944	511.5	517.5	6.0	0.26		Similar.
1945	517.5	522.0	4.5	0.42		Similar, with traces chalcopyrite.
1946	522.0	527.0	5.0	0.56		Fine grained, dark greyish-green, quartz-talc-chlorite-anthophyllite andesite with 6 to 8% fine pyrite and pyrrhotite and minor fine chalcopyrite.
1947	527.0	532.5	5.5	0.41		Fine grained, dark green, chlorite-cordierite andesite with 15% disseminated pyrrhotite and pyrite.
1948	532.5	539.2	6.7	0.12		Fine grained, dark greyish-green, highly silicified, cherty, andesitic material(?) with fine disseminated pyrite and pyrrhotite and considerable injected quartz.
1949	539.2	549.0	9.8	0.18		Fine grained, dark green, quartz-anthophyllite-chlorite-cordierite andesite with 10% disseminated pyrrhotite and minor chalcopyrite.
1950	549.0	558.0	9.0	0.35		Similar, with 10 to 15% disseminated pyrrhotite and minor chalcopyrite.
1951	558.0	563.0	5.0	0.61		Fine grained, dark green, altered, chlorite-cordierite andesite with 15% disseminated pyrrhotite and minor chalcopyrite.
1952	563.0	570.0	7.0	0.39		Similar, with 20 to 25% heavily disseminated pyrite and pyrrhotite and traces chalcopyrite.

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FALCONBRIDGE NICKEL MINES LIMITED

Gullbridge Mines Limited

ASSAY AVERAGES

Gull Pond, Nfld.

Sample No.	From	To	Length	% Cu
1863	15.0	17.5	2.5	0.86
1864	17.5	23.0	5.5	1.05
1865	23.0	28.0	5.0	1.14
	15.0	28.0	13.0	1.05
1863	15.0	17.5	2.5	0.86
1864	17.5	23.0	5.5	1.05
1865	23.0	28.0	5.0	1.14
1866	28.0	31.0	3.0	0.30
	15.0	31.0	16.0	0.90
1909	271.0	275.0	4.0	0.59
1910	275.0	278.5	3.5	2.87
1911	278.5	283.5	5.0	3.50
1912	283.5	288.5	5.0	2.77
1913	288.5	291.0	2.5	2.55
1914	291.0	296.5	5.5	1.78
	271.0	296.5	25.5	2.35

Summary:

15.0	28.0	13.0	1.05
15.0	31.0	16.0	0.90
271.0	296.5	25.5	2.35

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ASSAY RECORD SHEET

Hole No. GB-34

GUILBRIDGE MINES LIMITED
Badger, Newfoundland

SAMPLE NO.	FROM	TO	LENGTH	% CU	CU	DESCRIPTION
Summary:						
	15.0	28.0	13.0	1.05		
	28.0	31.0	3.0	0.30		
	52.0	54.5	2.5	0.55		
	104.5	150.0	45.5	0.50		
	158.0	159.0	1.0	2.29		
	191.5	196.0	4.5	0.42		
	271.0	275.0	4.0	0.59		
	275.0	296.5	21.5	2.75		
	365.0	372.0	7.0	1.50		
	372.0	375.5	3.5	0.41		
	506.5	532.5	26.0	0.38		
	549.0	570.0	21.0	0.42		