

GULLBRIDGE MINES LIMITED

HOLE NO. G.B. 107

Date: Feb. 22, 1952

111 + 583 & 3'E of #1 B.L. Bearing: East along the line.
Note: Same location as #106.

Logged by: P. Sonnenfeld
L. Hudson

Dip: 70°
0.0 collared at 70°
250.0 - 70.5° - 63.5°
539.0 - 62.0 - 55.0°

Property: Gull Pond, Nfld.

No AXT core. Casing pulled. Hole started: Oct. 15/51. Hole completed: Oct. 25/51.

From	To	Description
0	5.3	Overburden: sand and small boulders
5.3	33.3	Fine-grained, medium green to dark grey, andesite, slightly sheared at an angle of 39° with the core axis. Several intermittent amygdaloidal zones are well developed. Quartz and epidote fracture-fillings. Epidote developed frequently around amygdules. Some chlorite formed. Sparse pyrite specks.
33.3	77.6	Fine-grained, medium green andesite, with hornblende phenocrysts, biotite and some chlorite. Epidote formed in nests around phenocrysts and in fracture-fillings. Occasional calcite fracture-fillings. Slightly sheared at an angle of 25-30° with the core axis. Pyrite in specks and spots. 33.3 - 41.0 Intensely fractured zone. Those fractures in the lower part being filled with calcite.
77.6	114.5	Fine-grained, medium green andesite, similar to previous (33.3 - 77.6) but with quartz fracture-fillings and more pyrite spots. 84.7 - 86.2 amygdaloidal zone. 101.9 - 103.5 quartz penetration prominent (possibly siliceous intermediate dyke?) 113.1 - 114.5 quartz penetration prominent.
114.5	116.5	Fine-grained, dark green altered andesite or tuff, sheared with quartz cordierite, epidote and pyrite stringers along the shearing planes.
116.5	138.0	Fine-grained dark green to dark blue andesite with hornblende phenocrysts and some chlorite. Occasional epidote fracture fillings. Few pyrite spots.
138.0	141.5	Similar to previous (116.5 - 138.0) with biotite developed, with disseminated pyrite (Amygdaloidal zone?)
141.5	156.7	Fine-grained, dark green to lilac-coloured andesitic tuff, silicified, crenulated and highly sheared, with biotite and amphibole developed, some interjected quartz veins and fracture fillings. 145.8 - 145.9 Very fine grained black trap dyke. 147.14 - 147.5 " " " " " "
156.7	172.5	Fine-grained, dark green to bluish-grey silicified andesite with minor intercalated tuff, highly sheared and altered. Considerable brown biotite, amphibole and locally cordierite

From	To	Description
156.7	172.5	(continued) developed. With numerous interjected quartz veins and fracture-fillings. Lower contact forms an angle of 29° with the core axis.
172.5	176.6	Very fine-grained lamprophyre dyke with quartz phenocrysts
176.6	181.0	Very fine-grained, black trap
181.0	222.3	Fine-grained, dark green andesite with amphibole, biotite and cordierite developed. Quartz and clinozoisite fracture-fillings. Occasional specks of pyrite. Lower contact forms an angle of 40° with the core axis.
223.3	232.0	Fine-grained, medium green andesite, with amphibole phenocrysts biotite and some chlorite; epidote stringers and occasional pyrite specks. Similar to 33.3 - 77.6. The epidote stringers are cut and offset, as if step-faulted (Possible indication of a fault??)
232.0	313.1	Fine-grained dark green andesite, with amphibole, biotite and cordierite developed. Similar to 181.0-222.3. Considerable pyrrhotite in seams. The core seems to be following the contact of a trap dyke in several places. 254.2 - 255.5. Very fine-grained black trap dyke.
313.1	323.5	Fine-grained, dark green andesitic tuff, silicified, crenulated; with biotite and amphibole developed. Sparse pyrite specks. 318.5 - 320.5 core badly broken.
323.5	332.0	Interbedded andesitic tuff and very thin flows of lava. Amygdaloidal horizon at 328.7 - 330.1
332.0	342.2	Fine-grained, medium to dark green andesite, slightly sheared with amphibole and biotite developed. Similar to 232.0 - 313.1. With occasional pyrite spots. 334.7 - 334.8 Pyrite spots more abundant, up to 2%
342.2	344.5	Very fine-grained, dark brown to black lamprophyre dyke with quartz phenocrysts, mineralized with pyrite and pyrrhotite and slightly magnetic. Probably same formation as trap dyke above.
344.5	347.7	Fine-grained, dark green melanocratic andesite, with amphibole, biotite and cordierite developed, similar to 332.0 - 342.2. Sheared at an angle of 38° to the core axis and silicified. Pyrite and pyrrhotite stringers well distributed.
347.7	349.4	Fine-grained, dark green crenulated andesitic tuff, silicified, with pyrite and pyrrhotite stringers.
349.4	356.0	Fine-grained, dark green andesite, slightly sheared and silicified, with amphibole, biotite and cordierite developed. Similar to 344.5 - 347.7. With pyrite and pyrrhotite stringers near upper contact.

From	To	Description
356.0	362.1	Fine-grained, dark green to lilac andesite, similar to 156.7 - 172.3, but wholly or partly glassy.
362.1	405.5	Fine-grained, dark green andesite, similar to 356.0 - 362.1, slightly sheared, in places highly silicified, occasionally vitreous, sparse pyrite and pyrrhotite specks.
405.5	443.2	Fine-grained, dark green to dark grey andesite, slightly sheared, with amphibole, biotite and cordierite developed. Similar to 181.0 - 222.3. With numerous epidote fracture-fillings and nests with secondary quartz. Sparse pyrite specks.
443.2	447.9	434.2 - 435.5 Epidote predominant Medium-grained, dark green quartz-feldspar porphyry dyke (quartz diorite?) in a granular groundmass with some biotite and epidote developed, and occasional pyrite specks. The upper contact forms an angle of 13° and the lower contact 19° with the core axis.
447.9	453.2	Fine-grained dark green andesitic tuff, similar to 344.5 - 349.4 with occasional pyrite stringers. Sharp lower contact forms an angle of 18° with the core axis.
453.2	453.5	Fine-grained, dark green andesitic tuff, similar to previous (447.9 - 453.2).
453.5	456.5	Very fine-grained, dark brown - black highly altered material with quartz phenocrysts and considerable biotite developed throughout, as well as sizeable epidote stringers. Fine dispersion of pyrite throughout the rock. (possibly same formation as 342.2 - 344.5)
456.5	459.8	Fine-grained, dark green silicic andesitic tuff, similar to 453.2 - 453.5, but with several small local alteration phases of the type represented by 453.5 - 456.5. Occasional pyrite specks.
459.8	468.0	Fine-grained dark green to lilac andesite, with some minor intercalated tuff, similar to 156.7 - 172.5 with brown biotite, amphibole and local cordierite developed, silicified. With some local alteration phases of the type represented by 453.5 - 456.5. Fractured and brecciated. Occasional pyrite specks.
468.0	473.0	Fine-grained dark green to lilac crenulated and silicified andesitic tuff, with intercalated thin andesite flows, highly altered. With biotite and amphibole developed, similar to 141.5 - 156.7. With considerable epidote and chlorite, quartz fracture-fillings and some pyrite specks.
473.0	510.0	Fine-grained dark green to lilac andesite, with brown biotite, amphibole and local cordierite developed, silicified, similar to 459.8 - 468.0 with considerable epidote and quartz fracture-fillings. Slightly sheared and altered; with intercalated minor tuff bands.
510.0	513.0	Fine-grained, dark green to lilac andesite similar to 473.0 - 510.0, but with considerable interjections of the following andesite (513-518).

From	To	Description
513.0	518.0	Very fine-grained light-medium green andesite, with small hornblende phenocrysts, slightly sheared and altered.
518.0	525.4	Fine-grained, dark green to lilac andesite, similar to 510.0 - 513.0
525.4	533.3	Fine-grained, dark green to lilac andesitic tuff, with brown biotite, amphibole and local cordierite developed, silicified, similar to 468.0 - 473.0. Occasional pyrite specks.
533.3	534.5	Very-fine-grained, dark brown-black material similar to 453.5 - 456.5.
534.5	539.0	Fine-grained, dark green to lilac andesitic tuff with brown biotite, amphibole and cordierite developed, crenulated, similar to 525.4 - 533.3 535.8 - 535.9 Fine-grained, medium green intermediate dyke with quartz phenocrysts, similar to 443.2 - 447.9 538.1 - 538.2 Very fine-grained dark brown lamprophyre dyke, with quartz phenocrysts, similar to 342.2 - 344.5
	539.0	End of hole.