

PROPERTY

BURNT POND CLAIMS, Nfld. Project 6741

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LOCATION 130 E; 17+00 S

BEARING -

HOLE NO. 6741-2

LOGGED BY A. M. Frew

ELEVATION

DIP -45°

FINAL DEPTH 649'

STARTED May 14, 1968

TESTS (CORRECTED)

FINISHED May 22, 1968

At 50' - 41°

250' - 38°

CASING 0-48' AX

530' - 37°

CORE SIZE AXF

FROM	TO	DESCRIPTION
0.0	38.0	OVERBURDEN (Sand, silt, granite boulders, etc.)
38.0	53.0	ANDESITE BRECCIA - Medium green, fine grained, closely packed andesite fragments. Impregnated and altered by red iron carbonate. Much fracture filling by white granite carbonate, very blocky. Lost core - 41-42'; 42.5-44'; 46-49'. 50 - 51 - Red pug - fault 52.5-53 - " " "
53.0	56.0	ANDESITE - As above but not brecciated, much red iron carbonate.
56.0	58.0	TUFF - Interbedded red and light green, finely grained tuff, somewhat siliceous, bedding at 75° to core.
58.0	137.5	ANDESITE - Fine grained, dark green, magnetic, fractured with red hematitic stain on fracture faces. Throughout there is occasional tiny crystal and bleb of pyrite, contact sudden but angle not evident due to blocky ground. 68.0 - 72.0 - Schistose and very blocky - much red stain. 80.0 - 82.0 - " " " " " " " 110.0 - 1/4" vein red carbonate at 25° to core.
137.5	139.5	CHERTY QUARTZ VEIN - Brecciated with olivine matrix, fragments of light to smokey grey, large and well spaced. Last 1"-2" is agglomerate - small rounded fragments in a red hematitic groundmass. Apparent bedding at 40° to core.
139.5	148.0	ANDESITE - Medium green, medium to coarse grained, blebs and narrow stringers of pyrite with trace of chalcopyrite. Numerous 2"-4" brecciated zones, some red hematite stain, occasional well spaced white quartz carbonate stringer, blocky.

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FROM	TO	DESCRIPTION
148.0	203.0	ANDESITE - Dense, dark green to black, very fine grained - aphanitic. Hairline stringers and blebs of pyrite with minor associated chalcopyrite. Fractured with fracture faces coated with red hematite. Moderate to strongly magnetic. 162 - 164 - Lost core. 170 - 180; 195.5-198.5 - Best mineralization but never in excess of 1% volume. 190 - What could be flow banding at 45° to core.
203.0	235.0	ANDESITE - Fine grained, dark green, weakly to moderately magnetic. Well spaced narrow fracture filling of white quartz carbonate. Occasional narrow stringer of pyrite, core moderately blocky. Fractures at 50-60° to core, minor red hematitic stain. 219.0 - 222.5 - Coarse grained, contacts at 50° to core. 228.0 - 230.0 - Brecciated - small fragments in weakly chloritic andesite matrix.
235.0	282.0	BRECCIA - Interbedded with narrow andesite beds, fragments are small (rarely over 1/4") and close packed in a weakly chloritic groundmass. Minor amounts of pyrite in matrix with trace of chalcopyrite. Core very blocky. (This area caused much caving and hole had to be cemented). Occasional 1/4" quartz carbonate vein at 40° to core. Some red hematitic staining of fracture faces, core moderately magnetic, with some strongly magnetic zones. Lost core; 250-252'; 269-271'; 278=279.7'; 282.5-283.0'. 235.5 - 237.0 - Coarse grained to medium grained. 245.0 - 247.0 - Medium grained, medium green, unbrecciated. 253.0 - 262.0 - Same as 245.0-247.0'.

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FROM	TO	DESCRIPTION
282.0	291.0	ANDESITE - Fine grained, dark green, weakly to moderately magnetic, somewhat siliceous, badly broken, blebs of pyrite throughout with minor associated chalcopyrite. Contact blocky. 288.5 - 289.0 - Fair concentration of pyrite stringers and and blebs with minor chalcopyrite.
291.0	299.0	ANDESITE - Medium grained, porphyritic, dark green to black elongated phenocrysts in a medium green, fine grained ground-mass. Moderately magnetic, occasional bleb of pyrite, hairline stringers and fracture fillings of white quartz carbonate. Contact sudden at 65° to core.
299.0	302.0	ANDESITE - Same as 282-291'. A little lighter green. At both contacts there is a fair concentration of pyrite over 1"-2". Out contact at 20° to core, some varioles over 1".
302.0	311.0	ANDESITE - Same as 291-299'. Contact at 311' blocky.
311.0	385.5	ANDESITE - Fine grained, dark green-grey to medium green, non magnetic, occasional small bleb and narrow stringer of pyrite. Some cherty and siliceous zones. Throughout there are zones of fracturing with fractures filled with white quartz carbonate. Over last 6 feet there are well spaced anhedral phenocrysts of creamy green feldspar, apparent contact at 45° to core.
385.5	396.0	SILICEOUS ANDESITE - Very fine grained, aphanitic, dark grey to greenish grey, highly siliceous, massive, moderately to strongly magnetic, well spaced pyrite stringers throughout with fair concentration at 394.5-396'. Contact not clear, but appears to be at 20° to core.
396.0	419.0	ANDESITE - Fine grained, dark grey, massive, non magnetic, practically barren except for isolated hairline stringers and blebs of pyrite. Fractures and weak slips at 30° to core. Fracture filling of white quartz carbonate up to 1/4" wide. Leucoxene from 416-419'. Contact blocky blocky.

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419.0	436.0	DIORITE - Medium grained, dark green-grey, uniform texture, occasional bleb of pyrite, weakly magnetic. Contact at 436' sudden at 45° to core.
436.0	454.0	ANDESITE - Dark green to green grey, fine grained, weakly magnetic, inclusions of preceeding rock, stringers of quartz carbonate - also fracture filling. Contact gradational. 443 - 445 - Stringers and fracture fillings of olivine.
454.0	470.0	DIORITE - Similar to 419-436', except finer grained, with zones of leucoxene - most likely a coarse andesite.
470.0	473.0	ANDESITE BRECCIA - Fragments of fine grained, dark grey to dark grey-green, close packed, siliceous, isolated pyrite stringer.
473.0	515.0	ANDESITE - Fine grained, dark grey to green gray, weakly magnetic, occasional bleb and stringer of pyrite, numerous quartz carbonate stringers and veins. 491.8 - 492.3 - Granite vein at 70° to core - more rhyolitic than granitic.
515.0	534.0	DIORITE - Medium grained, dark greenish grey to dark grey, magnetic, even textured, grades into following rock type. Lost core - 515.5-517'; 526.5-529'.
534.0	631.0	DIORITE - Coarse grained, 70% black to dark green mineral, 30% light mineral, locally granodiorite, very magnetic, with much visible magnetite, finely disseminated pyrite throughout. Contact at 631' is slip at 15-20° to core. 563.5 - 564.0 - Inclusion of fine grained andesite, fractures coated with pink carbonate. 577.5 - 2" vein pink to brownish red dhyolite porphyry at 60° to core. 586.0 - 588.0 - Shearing at 5° to core.

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534.0	631.0	Continued 597.0 - 599.0 - Several veins of olivine, blocky, probable fault filling. 624.0 - 631.0 - Brecciated, large fragments white quartz carbonate matrix.
631.0	649.0	FELSITE - Even textured, dark grey and pink intermixed, appears to be extremely fine grained granite, strongly magnetic, massive stringers and fracture filling of pink and white quartz carbonate, zones of olivine fracture filling.
	649.0	END OF HOLE