

GM 18899

DIAMOND DRILL HOLE

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Énergie et Ressources
naturelles

Québec 

PUBLIC

DOME EXPLORATION COMPANY (QUEBEC) LIMITED

BERRY TOWNSHIP, QUEBEC

Hole No. BY - 1

Location: Range 5, Lot 57

Claim: 3, Lic. 224957

Azimuth: 064° (T)

Dip: at collar 57°

at 100 feet 54° (corrected)

at 300 feet 55° "

at 500 feet 56° "

at 700 feet 57° "

Core Size: AXT

Started: October 20, 1966

Finished: November 4, 1966

Logged By: C. H. Smallwood

Purpose: To check a magnetic anomaly

Ministère des Richesses Naturelles, Québec

SERVICE DES GITES MINÉRAUX

No GM- 18899

SAMPLE

0.0 - 46.0	Casing	0.0-40.5 Clay and sand 40.5 Ledge	
46.0 - 47.2	Granite	Granular, medium-grained, fairly dark colour; 20% quartz, Plagioclase appears more dominant than potash feldspar; 10% Hornblende, 3% Biotite. 3% Pyrite, Pyrrhotite, traces of globular Chalcopyrite.	1
47.2 - 53.6	Granite	As above but more gneissic with banding at 10° to 20° to core axis	
		47.8-48.5) Yellowish green colour 52.7-53.6) with dark green flecks (Hornblende?)	
		50.0-51.4 Quartz vein 1% Pyrrhotite	2
53.6-57.2	Gabbro Dyke	Fine-grained, dark green colour, uniform; less than 5% quartz	
57.2 - 331.2	Granite	As above 15% Hornblende 10% Biotite; sections gneissic with banding at 10° - 20° to core axis (more magnetic); minor Pyrrhotite, Pyrite, Magnetite? and odd speck of chalcopyrite as stringers throughout. Vuggy at 60.0; some sections are muscovite rich; at 125.0 gneissosity at 45° to core axis Lost core 103.8 - 105.8 Pegmatitic from 123.5-125.0 and 280.3-280.5 Gabbro Dyke with chilled contacts at 45° to core axis from 147.4-149.4	
		204.8-205.7 10% massive Pyrrhotite 15% massive Pyrite, 1/2% Chalcopyrite very highly magnetic	3
		252.0-255.0 3% disseminated pyrite trace chalcopyrite	4
		255.0-257.5 2% disseminated pyrite trace chalcopyrite	5

SAMPLE

Cont'd				
57.2 0 331.2	Granite	257.5-260.0	2% disseminated pyrite, trace chalcopyrite	6
		312.0-313.4	Fine-grained, green colour 5% biotite; Porphyritic with feldspar phenocrysts contacts are gradational ANDESITE	
		The following are GABBRO DYKES 84.4-85.6; 93.6-94.2; 110.0-111.5; 130.4-132.7; 133.6-133.9; 200.0-201.7; 214.0-214.7; 254.4-255.0; 259.5-260.0; 261.9-263.6; 264.7-266.9; 275.7 -267.9; 273.6-274.7 267.7		
331.2-- 350.0	Andesite		Fine-grained, dark green to dark blue-green colour; hornblende phenocrysts throughout, lineation at 45° to core axis, trace of pyrite as stringers, minor to 5% Biotite; narrow sections altered (granitized) with silicification; feldspar phenos from 335.3 - 336.8; amygdaloidal from 349.0 - 350.0 HORNBLLENDE ANDESITE	
350.0 - 355.2	Amphibolite		Highly altered (granitized), green colour, hornblende phenos; 30% secondary quartz, 3% disseminated pyrite, minor magnetite, traces chalcopyrite	
		350.0 - 352.5		7
		352.5 - 355.5		8
355.2 - 362.0	Amphibolite		Dark green colour, fairly uniform, sections fine-grained; hornblende phenos, highly magnetic	
362.0 - 368.9	Andesite		Blue-green colour, fine-grained siliceous and altered with several narrow tongues of granite; hornblende phenos.	
368.9 - 371.8	Amphibolite		as from 355.2-362.0 but only slightly magnetic	

SAMPLE

371.8 - 373.8	Andesite	Fine-grained, blue-green colour massive with minor amygdules.	
373.8 - 381.0	Andesite	Altered, green to buff colour, minor hornblende phenos	
381.0 - 382.2	Gabbro Dyke		
382.2 - 397.5	Amphibolite	As above with granite from 389.0-389.7	
397.5 - 460.7	Andesite	Fine-grained, dark green to blue green colour, lineation at 60° to core axis; repetition of cream to pinkish to green coloured quartz feldspar bands (Pillow feature?) Patchy Pyrite, Pyrrhotite Granite from 408.0 - 409.2 and from 412.3 - 412.7 Several buff coloured acidic Sections	
		401.7-402.7 3% Pyrite, 2% Pyrrhotite, trace chalcopyrite	9
		412.7-414.5 5% Pyrrhotite, pyrite 10 trace chalcopyrite	
		Last 20 feet altered (granitized)	
460.7 - 462.2	Gabbro Dyke		
462.2 - 465.2	Granite		
465.2 - 467.9	Granite	Medium-grained, grey colour, black flecked; feldspar and minor quartz phenos Porphyritic Granite	
467.9 - 468.9	Gabbro Dyke		
468.9 - 472.0	Granite	As from 465.2 - 467.9	
472.0 - 474.0	Granite	As from 57.2 - 331.2	
474.0 - 481.4	Andesite	Granitized at contacts	
481.4 - 485.9	Granite	As from 57.2 - 331.2	

SAMPLE

485.9 - 496.3	Andesite	Fine-grained, green colour, hornblende, phenos, sections altered, lineation at 30° to core axis, patchy pyrite	
496.3 - 510.5	Granite	As above with gabbro dykes from 498.1 - 502.2; 508.5 - 509.0	
510.5 - 521.5	Andesite	Highly altered, granitized and silicified, sections amphibolitized	
		510.0 - 513.3 20% silica, 60% amphibolite, 5% pyrite highly magnetic	11
		515.6 - 517.9 40% silica, 3% pyrite	12
521.5 - 525.0	Granite	Minor amphibolite lenses	
525.0 - 528.0	Amphibolite	Altered moderately silicified 4% disseminated pyrite, magnetite? moderately magnetic	13
528.0 - 529.6	Sediments	Cherty, siliceous, banding at 45° to core axis, alternate bands of siliceous grey coloured material and green bands of mafic minerals, patchy pyrite	
529.6 - 531.0	Granite		
531.0 - 540.8	Sediments	As above	
540.8 - 568.5	Andesite	Fine-grained, dark green colour, flecked, dacitic at 549.0, odd section granitized	
568.5 - 570.0	Dyke	Aphanitic to glassy groundmass, dark brownish green colour, with tabular feldspar, magnetic, contacts at 30° to core axis	
570.0 - 571.5	Andesite	As above	
571.5 - 572.0	Granite		
572.0 - 572.5	Dyke	As above, non-magnetic	
572.5 - 573.7	Andesite	Fine-grained, dark blue-green colour, amphibolitized, highly magnetic, 7% pyrrhotite pyrite	14

SAMPLE

573.7 - 579.0	Andesite	Lighter colour than above and very minor mineralization	
579.0 - 582.0	Sediment	As above irregular banding 10% pyrrhotite, 5% pyrite minor chalcopyrite	15
582.0 - 583.0	Andesite	As above	
583.0 - 584.9	Sediment	As above	
		583.0 - 585.0 5% pyrrhotite, 3% pyrite, minor chalcopyrite	16
584.9 - 586.0	Granite		
586.0 - 592.0	Andesite		
592.0 - 599.6	Granite	Includes minor granitized and altered rock	
599.6 - 602.1	Gabbro	More than 10% quartz, lightly mineralized with pyrite	
602.1 - 602.5	Granite		
602.5 - 621.8	Gabbro	Granitized in places, sparse pyrite mineralization	
621.8 - 623.3	Granite		
623.3 - 629.6	Gabbro	Abundant quartz and biotite	
629.6 - 719.2	Granite	Includes granitized and altered rocks, biotite, lightly mineralized with pyrite in places	
719.2 - 732.0	Gabbro	Includes granitic material as well as a few narrow inclusions of peridotite, sparse pyrite mineralization	
732.0 - 750.1	Granite	A few narrow (maximum 6") highly siliceous cherty inclusions	
750.1 - 752.7	Andesite		
752.7 - 761.0	Granite	Includes granitized material and altered rocks, lightly mineralized with pyrite	

END OF HOLE