

GM 16342

DIAMOND DRILL LOG, BEAUCHEMIN OPTION

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Québec 

DIAMOND DRILL LOG

GHISLAU MINING CORPORATION LIMITED
Beauchemin Option - Isle Dieu Twp.

Hole No. - G-1	Elevation -	Claim - 203493 -1	Main B.L
Started - 23 Sept., 1964	Dip - Collar - -45°	Location - Line 60 W	N 50° W
Finished - 30 Sept., 1964		Latitude - 54 34 S	3 56 NW
Bearing - S 40° W		Departure - 0 94.5 E	1 04 NE
Length - 346.0'		Logged by - A. C. Lee	
Purpose -		Drill Co. - Rouyn D.D. & Dev. Co	

DEPTH FEET	DESCRIPTION	SAMPLE NO	ASSAYS	FOOTAGE	WIDTH
0 - 14.0	OVERBURDEN		Au oz/ton		
14.0 - 24.0	AMPHIBOLITE (recrystallized andesite?) cut by fine grained grey green migmatite.	B17852	Tr.	66.5 - 70.0	3.5'
24.0 - 148.0	SILICIFIED & ALTERED ZONE within the above migmatized andesite, some brecciation and faulting.	B17853	Tr.	78.5 - 83.5	5.0'
		B17854	Tr.	83.5 - 88.5	5.0'
24-25	Very low scattered pyrrho- tite.	B17855	Tr.	88.5 - 93.5	5.0'
66.5-70	Silicious band with irreg- ular pyrite, pyrrhotite & little chalcopryite, 6" lost core.	B17856	0.01	93.5 - 98.5	5.0'
		B17857	Tr.	104.0 - 110.0	6.0'
		B17858	Tr.	112.5 - 117.5	5.0'
78.5-83.5	Silicified migmatite, low fine pyrite, pyrrhotite plus rounded aggregate massive mineral up to 1/2" diameter.	B17859	Tr.	117.5 - 122.5	5.0'
		B17860	Tr.	122.5 - 126.0	3.5'
86-87	Fractured & brecciated bands fine streaks pyrite, more silicified than normally.				
88.5-91	Numerous rounded massive pyrite, pyrrhotite shapes & some 1/4" bands of same with quartz stringers up to 1".				
91-92.5	Black band at 70°.				
94-97.5	Heavy pyrite bands & round shapes.				
104-110	Streaky heavy pyrite 1/4" bands at 45° & 90° occasio- ally, fairly silicious.				

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Hole No. G-1

DEPTH FEET	DESCRIPTION	SAMPLE No.	ASSAYS	FOOTAGE	WIDTH
	117.5-119.5 Frequent bands heavy pyrite at 30°, some quartz breccia with heavier pyrite plus chalcopyrite. At 118.5- yellow-brown (not epidote) mineral twisted & rounded concretions.				
	120-126 Frequent heavy 1/4" bands pyrite, core slightly brecciated.				
	136-139 Coarse bands hornblendic material (diorite) at 40°.				
148.0 - 181.0	MIGMATIZED ANDESITE - alternating narrow silicified bands in dark recrystallized andesite, sometimes fairly coarse grained.				
	178.5-181 Coarse grained granodiorite dike at 30°.				
181.0 - 346.0	ANDESITE - hard, somewhat silicified and altered occasional sections migmatized.				
	216-220.5 Coarse grained diorite dike at 30°.				
	240-247 Fine grained grey silicified and brecciated altered rhyolite.				
	251-251.5 Bleached, medium.				
	261-263 Low bleaching.				
	267-273 Recrystallized, some white feldspar phenocrysts.				
	303-306.5 Coarse pink granodiorite dike 30°.				
	313-314 Same.				
	315-346 Slightly granular, recrystallized.				
346.0	END OF HOLE No. G-1				

DIAMOND DRILL LOG

GHISLAU MINING CORPORATION LIMITED
Beauchemin Option - Isle Disu Twp.

Hole No. - G-2	Elevation -	Claim - 203493 -1
Started - Oct. 1, 1964	Dip - Collar - 45°	Location - Main B.L. N 50° W
Finished - Oct. 5, 1964		Latitude - 0 70 NE
Bearing - S 40° W		Departure - 2 72 NW
Length - 204.0'		Logged by - A. C. Lee
Purpose -		Drill Co. - Rouyn D.D. & Dev. Co.

DEPTH FEET	DESCRIPTION	SAMPLE NO	ASSAYS	FOOTAGE	WIDTH
0 - 4.0	CASING				
4.0 - 100.5	ANDESITE - normal hardness, some narrow bleached sections & occasional narrow epidote bands with pyrrhotite.				
4-10	Soft bleached sections, serpentinized? low brecciation.				
10-24	Frequent black banding at 70° carrying low pyrrhotite.				
30.5-31	Pyrrhotite streaks & rounded shapes.				
37-38	Several quartz breccia bands in grey rock with slight grain, diorite?				
41-42	Some heavy streaks pyrite & a little pyrrhotite in bands at 45°.				
50-62	Frequent narrow bands or dikes coarse diorite or feldspar porphyry, very irregular.				
62-88	Some black biotite bands with brecciation, occasional grey diorite dikelets. Coarse pyrrhotite, at 70-72. 76-77.5 med. pyrite, 1/16" bands at 75°. 82-83 dissem. pyrite. 87- dissem. pyrite.				
88-90	Coarse grey syenite.				

Hole No. G-2

DEPTH FEET	DESCRIPTION	SAMPLE No.	ASSAYS	FOOTAGE	WIDTH
	90-95 Heavily fractured, disseminated coarse pyrite.				
	95.5-100.5 Heavily fractured at 45°, quartz stringers & some fault at 99', rusty with sand. About 1½' lost core.				
100.5 - 140.0	DIORITIZED ANDESITE				
	100.5-112 White feldspar porphyry dikelets & tongues (syenite).				
	112-113.5 Disseminated pyrrhotite streaks & bands at 50°.				
	121-125.5 Granular dull pyrite & some pyrrhotite in irregular seams & pillow (?) in fragment, outlines. Occasional grain.				
	126.0-130.0 Diorite.				
	130-134 Irregular streaks pyrite & a little pyrrhotite in medium chloritized andesite - last 6" heavy pyrrhotite.				
	135-138 Slips at 10°-20° with bright green & brick red carbonate & chlorite, soft.				
	138-140 Diorite.				
140.0 - 204.0	ANDESITE - altered, but some signs pillows occasionally.				
	140-142.5 Red carbonate & chlorite seams at 10°, soft.				
	145-148 Same.				
	150-170 Light grey, slightly chloritized.				
	170-204 Harder, frequent dikelets of diorite throughout.				

204.0 END OF HOLE No. G-2.

FROM	TO	WIDTH	AU
75.0	77.5	2.5	Tr.
90.0	93.0	3.0	Tr.
116.0	119.0	3.0	Nil
130.0	134.0	4.0	Nil
41.0	42.0	1.0	0.08

SAMPLE NO.
M 37701
M 37702
M 37703
M 37704
B 17861

DIAMOND DRILL LOG

GHISLAU MINING CORPORATION LIMITED
Beauchemin Option - Isle Dieu Twp.

Hole No. - G-3 Elevation - Claim - 203493 -1
Started - Oct. 6, 1964 Dip - Collar - -45° Location - Main B.L. N 50° W
Finished - Oct. 8, 1964 Latitude - 1 48 NE
Bearing - S 60° W Departure - 4 17 NW
Length - 204' Logged by - A. C. Lee
Purpose - Drill Co. - Rouyn D.D. & Dev. Co.

DEPTH FEET	DESCRIPTION	SAMPLE NO	ASSAYS	FOOTAGE	WIDTH
0 - 44.0	OVERBURDEN		oz/ton Au		
44.0 - 54.0	DIORITIZED ANDESITE - hard, some epidote streaks.	M 37705	Nil	70.0 - 75.0	5.0'
54.0 - 125.0	ANDESITE - altered dark chloritic patches with sharp outlines.	M 37706	Nil	78.5 - 83.5	5.0
	70-73.5 Chloritic patches carrying low disseminated fine pyrite & chalcoppyrite.				
	73.5-78.5 Chloritic patches carry low disseminated pyrite, pyrrhotite & as streaks throughout.				
	124-125 Pyrite & chalcoppyrite streaks & irregular patches.				
125.0 - 150.0	DIORITIZED ANDESITE - light grey green streaks & bands at about 30°, fairly hard.				
150.0 - 171.0	DIORITE - fine grained.				
171.0 - 204.0	ANDESITE - dark, hard.				
	177-181 Coarse pinkish syenite.				
	184-185 " " " at 45°.				
	188-189 " " " at 45°.				
	200-204 Black chlorite patches with sharp outlines each carries a little fine pyrite, pyrrhotite.				
204.0	END OF HOLE No. G-3				

Hole No. G-3

DIAMOND DRILL LOG

GHISLAU MINING CORPORATION LIMITED
Beauchemin Option - Isle Dieu Twp.

Hole No. - G-4	Elevation -	Claim - 203493 -1
Started - Oct. 17, 1964	Dip - Collar - -45°	Location - Main B.L. N 50° W
Finished - Oct. 19, 1964		Latitude - 0 20 NE
Bearing - N 60° E		Departure - 5 70 NW
Length - 210.0'		Logged by - A. C. Lee
Purpose -		Drill Co. - Rouyn D.D. & Dev. Co.

DEPTH FEET	DESCRIPTION	SAMPLE No	ASSAYS	FOOTAGE	WIDTH
0 - 59.0	CASING				
59.0 - 106.5 161.5	RHYOLITE OR SILICIFIED INTERMEDIATE DIKE cut by frequent narrow xxx silicious dike- lets. TUFFACEOUS AGGLOMERATE				
59-60	Rusty fractures carrying chalcopyrite, scattered fine pyrite.				
61.5-66.5	Pink flecks of alteration, axinite? medium fine pyrite, 4% sulphides.				
66.5-71.5	Low to medium pyrite, irreg- ularly distributed consist- ing of dull sandy pyrite & small patches of bright fine pyrite. 3% sulphides.				
71.5-76.5	Darker with light bands & fracturing at 40° & refract- ured at right angles to that. Fractures filled with dull sandy pyrite, 2" or 3" of silicification with dissem- inated pyrite, chalcopyrite, 4% sulphides.				
76.5-81.5	Same darker rock, banding at 15°-20° with heavy, massive streaks pyrrhotite, edged with a little chalcopyrite occasionally & streaks of pyrite - 10% sulphides.				
81.5-86.5	Similar but 8% sulphides.				

Hole No. G-4

DEPTH FEET	DESCRIPTION	SAMPLE NO.	ASSAYS	FOOTAGE	WIDTH
86.5-91.5	Mostly sandy dull pyrite in bands, some pyrrhotite & very low chalcopyrite, 8% sulphides.				
91.5-96.5	Banded & disseminated pyrite & less pyrrhotite, some quartz stringers - 10% sulphides.				
96.5-101.5	Similar to last, more disseminated, less banding & 10% sulphides. Mag.				
101.5-106.5	Well banded at 20°, pyrrhotite lines with chalcopyrite, last ft. molybdenite on slips and disseminated, calcite hair fractures at 45°, 12% sulphides.				magnetite.
106.5-111.5	Darker, less silicified, less mineral, narrow fewer bands pyrrhotite with a little chalcopyrite, 2% sulphides, last 4", scattered molybdenite grains. Mag.				
111.5-116.5	Pink, dark green & white feldspar bands at 30°, darker, less silicification & less mineral, 1st 10" carries a little molybdenite, 2% sulphides.				
116.5-121.5	More silicified, banding at 20°-30°, some pyrrhotite but more chalcopyrite - 3% sulphides. Mag.				
	120-120.5 Molybdenite grains & streaks - 0.5%.				
121.5-126.5	Silicified & refractured at 60° by calcite filled fractures - heavier chalcopyrite, little pyrrhotite.				
126.5-161.5	<u>CHLORITIZED ALTERED ZONE</u>				
126.5-131.5	Medium chloritization, more pyrrhotite than chalcopyrite, a little pyrite, clots of quartz, 4% sulphides. Molybdenite slip at 40° at 130' to 131.5 - 0.5%				
131.5-136.5	Medium chloritization, 1% sulphides.				

DEPTH FEET	DESCRIPTION	SAMPLE NO.	ASSAYS	FOOTAGE	WIDTH
	136.5-141.5 Medium to high chloritiza- tion, high mechanical breccia- tion from 138-140.0, molybden- ite slip (6") at 140.5', pyrrhotite, pyrite, chalcopyrite, 5% sul- phides. Strongly magnetic.				
	141.5-146.5 Fine quartz calcite breccia- tion, high pyrite, very low chalcopyrite, high chloriti- zation - 0.25% Mo.				
	146.5-149 High graphitic fault, slips at 30° - 0.25% Mo.				
	149-151 Brecciated, high pyrite, chalcopyrite, slips 10°.				
	151-155 Brecciated with high pyrite, chalcopyrite & a little pyrrhotite, slips at 10°, graphite to 15' (along core axis) molybdenite slip 155' 0.75% Mo/5'.				
	155-160 Brecciated - high pyrite, pyrrhotite & chalcopyrite, 5% sulphides.				
	151-161.5 Pelée tuff.				
161.5 - 210.0	BASIC VOLCANICS - silicified & cut by narrow coarse syenite dikelets, anorthosite dike at 60°-70°, banding occasionally at 60°.				
	198-204 Dark chloritized fine grained rock with medium pyrrhotite - very fine, a little chalcopy- rite, 4% sulphides.				
210.0	END OF HOLE No. G-4				

DEPTH FEET		DESCRIPTION				SAMPLE No.	ASSAYS	FOOTAGE	WIDTH
FROM	TO	WIDTH	Au oz/ton	Ag oz/ton	Cu %	Ni %	MoS2 %	SAMPLE NO.	
59.0	61.5	2.5	Nil					M 37707	
61.5	66.5	5.0	Nil					M 37708	
66.5	71.5	5.0	Nil					M 37709	
71.5	76.5	5.0	Nil	Nil	0.18			M 37710	
76.5	81.5	5.0	Nil	Nil	0.22			M 37711	
81.5	86.5	5.0	Nil	Nil	0.40			M 37712	
86.5	91.5	5.0	Nil	Nil	0.26			M 37713	
91.5	96.5	5.0	Nil	Nil	0.24			M 37714	
96.5	101.5	5.0	Nil	Nil	0.36			M 37715	
101.5	106.5	5.0	0.02	0.08	0.76		0.05	M 37716	
106.5	111.5	5.0	Tr.	Nil	0.24		0.02	M 37717	
111.5	116.5	5.0	Tr.	0.26	0.33		0.04	M 37718	
116.5	121.5	5.0	0.04	0.50	1.94		0.07	M 37719	
121.5	126.5	5.0	0.07	0.94	3.55		0.02	M 37720	
126.5	131.5	5.0	0.04	0.56	1.68	Nil	0.05	M 37721	
131.5	136.5	5.0	0.03	0.60	1.32		.081	M 37722	
136.5	141.5	5.0	0.13	0.68	0.97	Nil	.40	M 37723	
141.5	146.5	5.0	0.03	0.34	0.77		.105	M 37724	
146.5	151.5	5.0	0.03	0.32	1.13		.34	M 37725	
151.5	156.5	5.0	0.03	0.78	0.99		.062	M 37726	
156.5	161.5	5.0	0.09	0.48	1.24			M 37727	
198.0	204.0	6.0	Tr.	0.12	0.04	Nil		M 37728	
AVERAGES:									
116.5	161.5	45.0	0.05	0.58	1.51				
116.5	141.5	25.0	0.06	0.65	1.89				
116.5	136.5	20.0			2.12				
71.5	116.5	45.0			0.33				
131.5	156.5	25.0					.198		

DIAMOND DRILL LOG

GHISLAU MINING CORPORATION LIMITED
Beauchemin Option - Isle Dieu Twp.

Hole No. - G-5	Elevation -	Claim - 203493 -1
Started - Oct. 20, 1964	Dip - Collar - -45°	Location - Main B.L. N50° W
Finished - Oct. 27, 1964		Latitude - 0 28 SW
Bearing - N 15° W		Departure - 5 15 NW
Length - 370.0'		Logged by - A. C. Lee
Purpose -		Drill Co. - Philippon (Rouyn D.D)

DEPTH FEET	DESCRIPTION	SAMPLE No	ASSAYS	FOOTAGE	WIDTH
0 - 86.0	CASING				
86.0 - 163.0	TUFF RHYOLITE - fragmental, mechanical breccia for 1st 20 ft., yellow sericite alteration seams, clots & nodules of dull sandy pyrite, some fractures at 45°, quartz-filled & some nearly horizontal, calcite filled, occasional irregular narrow seams with pyrrhotite & a little chalcopryite. anorthosite 90-93 Coarse anorthosite highly altered to sericite & some soft dark green mineral, a little chalcopryite. Not magnetic. 95-98 Same, Molybdenite crystal. (Narrow fract. & weak shear @ 30° & 60°) 100-110 Quartz stringers occasionally carrying streaks chalcopryite. Graphite slip 104. 116-118 heavy sandy pyrite - 20% sulphides. 125-145 Coarse agglomerate, graphite slip 125.5. 152- 6" weak graphitic fault at 50° & another at 160.5'. 150-163 Quartz calcite breccia 10-15% pyrite & a little pyrrhotite & chalcopryite occasionally. Fracturing mainly at 30° to core. BASIC LAVA - bleached & carbonatized. 163.0 - 224.0 DEVELOPMENT - massively carbonated & silicified, finely disseminated pyrite. (non magnetic) 179-182 Fractured & brecciated at 30°.				

Hole No. G-5

DEPTH FEET	DESCRIPTION	SAMPLE No	ASSAYS	FOOTAGE	WIDTH
	192- Scattered fine chalcopyrite.				
	192-200 Fractured & brecciated at 20°-30°, quartz & calcite filled, 10% sandy pyrite along fractures.				
	205-212 Similar fractures, bracciation, 10% sandy pyrite.				
	214- 6" dike of coarse diorite (?) irregularly along core.				
	215-219 Mostly rhyolite.				
240.0					
224.0 - 240.0	DIORITE - grey, fine grained with many acid lava inclusions, fairly well fractured. (non magnetic)				
	235-249 Medium fracturing at 20° to 45°, filled with quartz or calcite, graphite slip 245.2.		Weakly mag. at 240.		
240.0 - 362.0	METADIABASE - ophitic texture, non magnetic. More massive and almost pure fine to medium grained diorite with coarse pink feldspar & quartz at 297-298.				
	250-308				
	303-308 Fractured & intruded by irregular yellow carbonate dikes - streaky fine pyrite - a few grains MoS ₂ at 304.5.				
	311- 2 ins. pink feldspar & quartz.				
	315-328 Diabase texture, long thin ophitic hornblende crystals.				
	332- 3 or 4" quartz with feldspar or epidote stringers at 20°.				
	334- Same at 80°.				
	340-347 Frequent narrow quartz epidote stringers at 30°.				
	343- 2" streak pyrite, pyrrhotite, chalcopyrite at 30°.				
	348- 6" pink granite.				
	358- 6" pink granite.				
	coarse texture at end.				
362.0 - 375.0	ANDESITE - hard, altered, intruded by frequent tongues diorite - last 2' fractured.				
375.0	END OF HOLE No. G-5				

DEPTH FEET		DESCRIPTION				SAMPLE NO	ASSAYS	FOOTAGE	WIDTH
FROM	TO	WIDTH	AU OZ/Ton	AG Oz/ton	CU %	NI %	MoS2 %	SAMPLE NO.	
86.0	91.0	5.0'	Tr.					M 37729	
91.0	95.0	4.0	0.01		0.01			M 37730	
100.0	105.0	5.0	Tr.				0.01	M 37731	
105.0	110.0	5.0	0.01		0.15		0.02	M 37732	
110.0	115.0	5.0	Tr.					M 37733	
115.0	120.0	5.0	Tr.					M 37734	
120.0	125.0	5.0	Nil					M 37735	
125.0	130.0	5.0	Nil				0.02	M 37736	
130.0	135.0	5.0	Nil					M 37737	
135.0	140.0	5.0	Nil					M 37738	
140.0	144.0	4.0	Tr.					M 37739	
144.0	150.0	6.0	Tr.		0.15			M 37740	
150.0	155.0	5.0	Tr.				0.01	M 37741	
155.0	160.0	5.0	Tr.				0.01	M 37742	
160.0	165.0	5.0	Tr.					M 37743	
165.0	170.0	5.0	Nil					M 37744	
170.0	175.0	5.0	Nil					M 37745	
175.0	180.0	5.0	Nil					M 37746	
180.0	185.0	5.0	Tr.					M 37747	
185.0	190.0	5.0	Tr.					M 37748	
190.0	195.0	5.0	Tr.					M 37749	
195.0	200.0	5.0	Tr.					M 37750	
200.0	205.0	5.0	Tr.					B 17866	
205.0	210.0	5.0	Tr.					B 17867	
210.0	215.0	5.0	Nil					B 17868	
215.0	220.0	5.0	Nil					B 17869	
220.0	224.0	4.0	Tr.					B 17870	

DIAMOND DRILL LOG

GHISLAU MINING CORPORATION LIMITED
Beauchemin Option - Isle Dieu Twp.

Hole No. - G-6	Elevation -	Claim - 203493 -1
Started - Oct. 28, 1964	Dip - Collar - -50°	Location - From Main B.L. N 50° W
Finished - Nov. 2, 1964		Latitude - 4 52 NW
Bearing - N 15° W		Departure - 0 41 NE
Length - 249'		Logged by - A. C. Lee
Purpose -		Drill Co. - Rouyn D.D. & Dev. Co

DEPTH FEET	DESCRIPTION	SAMPLE NO.	ASSAYS	FOOTAGE	WIDTH
0 - 51.0	CASING				
51.0 - 80.0	BASIC VOLCANICS - dark & light green bands broken zone, heavily fractured serpentine slips, frequently at 20° to 45° to core axis.				
70-80	Fault Zone, core recovered as pebbles, 1/4 to 1" diam., some thin slips coated with massive pyrite. Fine magnetite at 71' - much lost (ground) core.				
80.0 - 175.0	BASIC VOLCANICS, more massive.				
98-100.5	Grey to purple syenite porphyry.				
103-104	Coarse slug of pyrrhotite here & there.				
114.5-115.5	Coarse diorite dike.				
116-118	Soft serpentine slips at 30°.				
120-123	Several serpentine slips at 30°-40°. At 123' - jasper fractures & brecciation.				
125-145	Dark sharp shapes in grey groundmass.				
145-148	Peculiar brecciation, rounded shapes with black outlines, dendritic black shapes also.				
151-	2" pink quartz feldspar dike & same at 165'.				

Hole No. G-6

DEPTH FEET	DESCRIPTION	SAMPLE No.	ASSAYS	FOOTAGE	WIDTH
	162-167 Broken zone, slips at 35°-45°.				
175.0 - 249.0	MIXED BASIC VOLCANICS & ANORTHOSITE DIKES, dark green, fine grained, seppentine, high magnetite & pyrrhotite, very fine grained.				
	182-186 Massive black graphitic section, strongly magnetic, high fine magnetite, scattered fine pyrrhotite & pyrite.				
	188-197 Scattered coarse angular pyrrhotite.				
	197-203 Narrow dikes anorthosite at 70°.				
	203-208 Broken core, slips at 35°, med. to high pyrrhotite and pyrite.				
	208-210 Strongly magnetic, contains high fine pyrite & magnetite.				
	220-229 Strongly magnetic, irregular med. fine pyrite, pyrrhotite, magnetite, chalcopyrite plated on the infrequent slips.				
	236-245 Coarse anorthosite dike at 30°.				
	245-249 Medium scattered fine greenish pyrite.				
249.0	END OF HOLE No. G-6				

DIAMOND DRILL LOG

GHISLAU MINING CORPORATION LIMITED
Beauchemin Option - Isle Dieu Twp.

Hole No. - G-7	Elevation -	Claim - 203493 -1
Started - Nov. 3, 1964	Dip - Collar - -45°	Location - From Main B.L. N 50° W
Finished - Nov. 10, 1964	260' - -44°	Latitude - 6 11 NW
Bearing - S 30° W		Departure - 1 95 NE
Length - 300'		Logged by - A. C. Lee
Purpose -		Drill Co. - Rouyn D.D. & Dev. Co

DEPTH FEET	DESCRIPTION	SAMPLE No	ASSAYS	FOOTAGE	WIDTH
0 - 66.0	CASING				
66.0 - 87.0	GREY BASIC LAVA - intruded by some irregular coarse anorthosite.				
	76-80 Broken weak slips at 30° about 1 1/2' calcite stringers in centre.				
	80-87 Broken core.				
87.0 - 109.0	DIABASE				
	88-100 Spotty, some of these being chlorite up to 1 cm. in diameter - occasional streaks of pyrite, pyrrhotite at 40°.				
109.0 - 124.0	ACID TUFF - banding at 60°, medium to high massive sulphides along banding, pyrite, pyrrhotite & chalcopryrite, scattered mauve leucoxene, minor chlorite slips carrying MoS ₂ .				
	118.5- Slip at 40°.				
124.0 - 140.0	INTERMEDIATE GREY LAVA, massive, medium pyrite uniformly disseminated, scattered mauve leucoxene alteration and chlorite.				
140.0 - 164.0	BASIC LAVA intruded by grey anorthosite, some streaks of it at 10°.				
164.0 - 187.5	ACID TUFF & FRAGMENTAL - low scattered pyrite, chalcopryrite.				
	165.5-169 Anorthosite, upper contact 35°, lower 80°.				

Hole No. G-7

DEPTH FEET	DESCRIPTION	SAMPLE NO	ASSAYS	FOOTAGE	WIDTH
	168.5-182.5 Weakly fractured & filled with thin chalcopyrite.				
	182.5-187.5 Better chalcopyrite.				
187.5-	BASIC LAVA - brecciated & badly broken by shearing & faulting at 40°, medium pyrite, fault area 187.5-192.5, fine chalcopyrite, molybdenite.				
	194-197.5 Anorthosite dike at 45°.				
	200.5-201.5 Broken core at 40°-60°.				
	205-206 Anorthosite dike at 45°.				
	208-210.5 Anorthosite dike at 45°.				
	215-220 Irregular clots of chlorite containing fine mineral, shines like bornite, but may be sphalerite.				
	220-260 Same spotty chlorite clots & streaks, low magnetite occasionally - scattered low pyrrhotite.				
	26-261 Grey granite stringers at 40°.				
	261- Some chloritized basic lava with pyrrhotite amygdules up to 8 mm - some streaks for 8".				
	272- Breccia filled with pyrrho- tite & sphalerite(?).				
	274- Brown biotite (?)				
	277-277.5 Coarse grey feldspar dike at 40°.				
	280-295 Grey black irregular rounded shapes in jet black softer groundmass - looks like per- idotite internal structure.				
	298-299 Brown biotite.				
300.0	END OF HOLE No. G-7.				

DEPTH FEET		DESCRIPTION				SAMPLE NO.	ASSAYS	FOOTAGE	WIDTH
FROM	TO	WIDTH	oz/ton AU	oz/ton AG	% CU	% ZN	% MoS2	SAMPLE NO.	
109.0	114.0	5.0'	0.01	Nil	0.45			B 17881	
114.0	119.0	5.0	0.03	0.32	1.33			B 17882	
119.0	124.0	5.0	0.01	0.30	1.09			B 17883	
124.0	129.0	5.0	Tr.	Nil				B 17884	
129.0	134.0	5.0	Tr.	Nil				B 17885	
134.0	139.0	5.0	Tr.	Nil				B 17886	
168.5	173.5	5.0	Nil	0.06	0.07			B 17887	
182.5	187.5	5.0	Nil	0.10	0.13			B 17888	
187.5	193.5	6.0	0.02	Nil	0.70		0.06	B 17889	
215.0	220.0	5.0			0.05	Nil		B 17890	
Average:									
109.0	124.0	15.0			0.957				
114.0	124.0	10.0	0.02	0.31	1.21				
168.5	182.5								
182.5	193.5	11.0			0.44				

DIAMOND DRILL LOG

GHISLAU MINING CORPORATION LIMITED

Beauchemin Option

Isle Dieu Township

Hole No. - G-8

Elevation -

Claim - 203493 -1

Started - Nov. 14, 1964

Dip - Collar - -45°

Location - From Main B.L.
- N 50° W

Finished - Nov. 24, 1964

400' - -45°

Latitude - 6 29 NW

Bearing - S 30° W

Departure - 2 93 NE

Length - 404'

Logged by - A. C. Lee

Purpose -

Drill Co. - Rouyn D.D. & Dev.

DEPTH FEET	DESCRIPTION	SAMPLE NO	ASSAYS	FOOTAGE	WIDTH
0 - 79.0	CASING				
79.0 - 126.0	METADIABASE - fine medium grained, fractured extensively, serpentized.				
	104-105 Epidote fractures at 30° - medium dull sandy pyrite, 3 mm rounded & oval shapes.				
	108.5-111 Red syenite dike at 45°.				
	114-115.5 Grey pink syenite at 45°.				
	120-123 Serpentinized slip along core.				
126.0 - 157.0	METADIABASE - medium grained, dark & much less altered.				
	139.5-140.5 Grey anorthosite dike, indefinite contacts.				
157.0 - 178.0	BASIC LAVA - contact 40° to core axis.				
178.0 - 212.0	ANORTHOSITE at 45°, irregular intrusion hard fine to medium grained & grey - streaks irregular pyrite in fine grained obsidian section.				
212.0 - 221.5	METADIABASE - quartz stringers & some yellow epidote.				
221.5 - 257.0	RHYOLITE FRAGMENTAL - pink in places, brecciated.				
	230.5-231.5 Broken, weak slips at 20°, one slip plated with MoS ₂ - fragmental similar to 164-187.5 in G-7.				

Hole No. G-8

DEPTH FEET	DESCRIPTION	SAMPLE No.	ASSAYS	FOOTAGE	WIDTH
257.0 - 272.0	MINERALIZED ZONE - black chloritized, heavy brecciation, calcite filling - Main fracturing about 45° to core angle but later slips at 25°.				
	257-262 Pyrite, chalcopyrite, MoS ₂ in scattered small grains 15% sulphides.				
	262-267 Same - 20% sulphides, strong Mo slip 266.5-267 (Graphitic)				
	267-272 Same - 20% sulphides, slips 268-269.				
272.0 - 276.0	INTERMEDIATE GREY LAVA - with frequent rounded anorthosite shapes, at 274.5 - sphalerite crystals 2-3 mm.				
276.0 - 404.0	BASIC LAVA - intruded by occasional anorthosite dikes.				
	287-293 Red syenite dike at 45°.				
	294-313 Frequent angular shapes pyrrhotite & streaks up to 3 mm wide - magnetic.				
	319- Some fine brown biotite.				
	323.5-324 Pink syenite dike.				
	343-349 Dark chlorite patches & streaks at 70° to core.				
	349-350 Grey syenite dike at 80°.				
	350-369 Lighter grey-green flow with irregular splotches of chlorite. much				
	369-404 Another flow, dark but harder, similar to 276-350. At 387 scattered pyrrhotite, magnetites.				
404.0	END OF HOLE No. G-8				

Hole No. G-8 (Cont'd.)

DEPTH FEET		DESCRIPTION				SAMPLE NO.	ASSAYS	FOOTAGE	WIDTH
FROM	TO	WIDTH	AU OZ/TON	AG OZ/TON	CU %	ZN %	MoS2 %	SAMPLE NO.	
257.0	262.0	5.0'	0.03	0.20	0.94		0.01	M 37851	
262.0	267.0	5.0	0.02	0.20	0.57		Tr.	M 37852	
267.0	272.0	5.0	0.08	0.56	1.66		0.05	M 37853	
304.0	309.0	5.0			Nil			M 37854	
Averages:									
257.0	272.0	15.0	0.04	0.32	1.06				

DIAMOND DRILL LOG

GHISLAIU MINING CORPORATION LIMITED
Beauchemin Option - Isle Dieu Twp.

Hole No. - G-9	Elevation -	Claim - 203493 -1
Started - Nov. 25, 1964	Dip - Collar - -90°	Location - From Main B. L. N 50° W
Finished - Dec. 7, 1964	499 - -85°	Latitude - 5 19 NW
Bearing - Vertical		Departure - 1 06 NE
Length - 499.0'		Logged by - A. C. Lee
Purpose -		Drill Co. - Rouyn D.D. & Dev.

DEPTH FEET	DESCRIPTION	SAMPLE NO	ASSAYS	FOOTAGE	WIDTH
0 - 38.0	CASING (Reamed from 30') (Cemented at 55')				
38.0 - 72.0	RHYOLITE - fragmented, yellow epidote, irregular pyrite, pyrrhotite in streaks & patches, a little chalcopryite.				
	39.5- Molybdenite grains.				
	44-49 Black argillite, same amount of mineral as rest.				
	52- Fracturing at 80° to core.				
	59- 3" along core carrying molybdenite flakes.				
	60.5- Same				
	62.5- Same				
	65.5 Same				
	65.5-69 Weak slips & fractures, a little molybdenite, some heavy chalcopryite.				
	69-69.5 Strong slip at 30° to core.				
	69.5-72 Pisolitic fragmental, heav- ily chloritized, and heavily mineralized with pyrite, chalcopryite, some medium molybdenite in 80° fractures.				
	72-82 Grey andesite				
72.0 - 82.0	GREY ANDESITE - many slips at 20° to 30° to core, much epidote.				
82.0 - 99.0	BASALT - heavy epidote streaks, fractures & slips at 60°-70° to core normal, many carry graphite, flakes.				

Hole No. G-9

DEPTH FEET	DESCRIPTION	SAMPLE No.	ASSAYS	FOOTAGE	WIDTH
99.0 - 105.0	PINK SYENITE DIKE, at 105' broken core plated with chalcopryrite & a little Molybdenite - last 2 feet badly broken.				
105.0 - 227.0	BASALT - black chloritic blotches & streaks some epidote streaks.				
	111-112 Lost core.				
	115-127 Broken core, slips at 20° to core angle.				
	156-158 Calcite slips at 20° to core.				
	188-190.5 Heavy streaks & gobs pyrrhotite - magnetic.				
	208-209 Pink - grey syenite dikes at 30°.				
	220-221 Bleached to blue grey.				
	222-223 " " " "				
	226-227 Grey anorthosite.				
227.0 - 255.0	ANDESITE - dark grey, massive.				
	249-252.5 Grey syenite dikes at 30° to core angle.				
255.0 - 275.0	ANDESITE - blotchy grey rock unlike other lavas, hard.				
	271-274 Medium pyrrhotite & pyrite in bands at 90° to core.				
275.0 - 280.0	SILICIFIED - medium pyrite, pyrrhotite, low chalcopryrite at 45°.				
280.0 - 354.0	METADIABASE - lighter grey with distinctive black "ophitic" texture, first 10' coarse white feldspar & blotchy - lower contact may be at 70°.				
	294-295 Pink syenite at 45°.				
	299-300 Yellow syenite at 30° to core.				
	322.5-325 Chloritic shear at 20° to core.				
354.0 - 390.0	HYBRID METADIABASE & BASIC LAVA.				
	351- 1/2" biotite seam, followed by scattered biotite occasionally.				
390.0 - 499.0	METADIABASE - very hard, dark, scattered epidote becoming coarser deeper down. Subvolcanic				

DEPTH FEET		DESCRIPTION				SAMPLE NO.	ASSAYS	FOOTAGE	WIDTH
		431-437	Feldspar porphyry at 90° to core angle, grey with occasional pink feldspar phenocrysts.						
499.0		END OF HOLE No. G-9							
FROM	TO	WIDTH	AU OZ/TON	AG OZ/TON	CU %	SAMPLE NO.			
38.5	45.0	6.5	Tr.	Nil	0.18	37855			
45.0	50.0	5.0	Tr.	Nil	0.07	37856			
50.0	55.0	5.0	Nil	Nil	0.10	37857			
55.0	60.0	5.0	0.01	Nil	0.60	37858			
60.0	66.0	6.0	0.01	0.04	0.60	37859			
66.0	72.0	6.0	0.06	0.74	2.92	37860			
275.0	281.0	6.0	0.01	0.14	0.40	37861			
127.5	131.3	3.8	Tr.			37889			
145.0	147.5	2.5	Tr.						
Average:									
55.0	72.0	17.0	0.03	0.27	1.42				
Hole No. G-9									

DIAMOND DRILL LOG

Chislau Mining Corporation Limited
Beauchemin Option - Isle Dieu Twp.

Hole No. - G-10	Elevation -	Claim - 203492 -1
Started - Jan. 6, 1965	Dip - Collar - -45°	Location - From 1964 Geophysical grid
Finished - Jan. 20, 1965	300' - -40°	Latitude - 65 75 W
Bearing - S 30° W	642' - -36½°	Departure - 44 00 S
Length - 642'		Logged by - A. C. Lee
Purpose -		Drill Co. - Royyn D. D. Co.

DEPTH FEET	DESCRIPTION	SAMPLE NO.	ASSAYS	FOOTAGE	WIDTH
0 - 10.0	CASING				
10.0 - 273.0	GABBRO - grey, fine grained with dark inclusions.				
10-22	Fractured & cut by small stringers white feldspar at 30° & 70°.				
24-25	Bleached.				
38-91	Diorite somewhat coarser in grain.				
51-55.5	Buff coloured syenite dike, fine grained, low scattered pyrite.				
85-91	Round chloritic spots.				
91-105	Lighter colour, fine grain.				
105-110	Calcite breccia.				
123-130	Bleached weak shear zone at 70°.				
130-137	Coarse grained.				
143-156	Quartz carbonate stringers in weak fracture zone.				
156-159	Coarse grained.				
159-163	Quartz & feldspar stringers fracture zone at 70°.				
163-183	Coarse grained.				

Hole No. G-10

DEPTH FEET	DESCRIPTION	SAMPLE NO.	ASSAYS	FOOTAGE	WIDTH
	183-210				
	204.5-				
	218-233				
	233-262				
	262-263				
273.0 - 370.0	INTERMEDIATE VOLCANICS - fragmental sections black to light coloured, frequent bleached sections.				
	295.5-298.5				
	300-307				
	310-318				
	334-367				
370.0 - 440.0	INTERMEDIATE VOLCANICS - very hard, grey to green, carbonatized slightly for first 15 feet.				
	428-440				
440.0 - 498.0	RHYOLITE - interbedded with black slate occasional light ghost fragments with some slickensided graphite slips - irregular pyrite streaks - 2%-5% in fractures at 10° to 45°, very low pyrrhotite & occasional trace of chalcopyrite.				
	497-498				
498.0 - 563.0	RHYOLITE FRAGMENTAL - very dark grey & hard but on the whole massive, light ghost-like fragments more common than in previous sect. First ten feet somewhat fractures.				

DEPTH FEET	DESCRIPTION		SAMPLE NO.	ASSAYS	FOOTAGE	WIDTH
563.0 - 614.0	RHYOLITE - dark grey, interbedded with slate, some sections greywacke.					
	585-598	Black, slate.				
	598-610	Light banded rhyolite with some fragmental sections.				
614.0 - 642.0	RHYOLITE - black, with frequent bands slate, slickensided graphite slips.					
	615.5-616.5	Fractures at 70° filled with irregular pyrite & a little py chalcopyrite.				
642.0	END OF HOLE No. G-10.					
FROM	TO	WIDTH	AU Oz/ton	AG Oz/ton	Sample No.	
435.0	440.0	5.0	Nil	Nil	M 37862	
450.0	455.0	5.0	Nil	Nil	M 37863	
460.5	460.8	0.3	Tr.	Nil	M 37864	
470.2	472.8	2.6	Nil	Nil	M 37865	
472.8	477.5	4.7	Nil	Nil	M 37866	
485.0	490.0	5.0	Nil	Nil	M 37867	
500.0	504.0	4.0	Nil	0.06	M 37868	

DIAMOND DRILL LOG

GHISLAU MINING CORPORATION LIMITED
Beauchemin Option - Isle Dieu Twp.

Hole No. - G-11

Elevation -

Claim - 203492 -1

Started - Jan. 22, 1965

Dip - Collar - -45°

Location - From 1965
Geophysic. Grid

Finished - Jan. 28, 1965

200' - -42°

Latitude - 68 30 W

Bearing - S 30° W

400' - -38°

Departure - 43 40 S

Length - 403'

Logged by - A. C. Lee

Purpose -

Drill Co. - Rouyn D. D. Co.

DEPTH FEET	DESCRIPTION	SAMPLE NO	ASSAYS	FOOTAGE	WIDTH
0 - 82.0	CASING				
82.0- 190.0	GABBRO - fine to medium grained.				
	93-105 Rhyolite inclusion, carbon- atized & sericitized, fre- quent calcite fractures at 80° - 90° to core angle.				
	134-141 Altered rhyolite breccia inclusion, frequent calcite fractures at 80° .				
	170-184 Heavy yellow epidote inject- ion with bleaching, fract- uring at 45° to core angle.				
190.0 - 250.0	ANDESITE - dark green, altered, calcite fractures at 45° .				
	205-210 Sericitized & bleached.				
	210-220 Medium breccia at 60° - 70° , healed with calcite.				
	220-223 Sericitized & bleached.				
	223-226 Serpentinized & cut by cal- cite stringers.				
	226-242 Frequent quartz calcite veins with bleaching & some epidote. Massive $1/8$ " pyrrhotite streaks at 229' & 239.5'.				
250.0 - 305.0	MINERALIZED ZONE - 10% pyrrhotite mostly black slate, except for light coloured bands greywacke.				

Hole No. G-11

DEPTH FEET		DESCRIPTION				SAMPLE No.	ASSAYS	FOOTAGE	WIDTH
		250-265	Frequent graphite slips at 45°.						
		265-268	Chert, light coloured.						
		270-272	Fragmental.						
		275-280	Frequent graphite slips at 30°-40°, 25% pyrrhotite.						
		282-283	Quartz epidote stringers.						
		291-291.5	Nearly massive pyrrhotite.						
		291.5-297.5	Brecciated & silicified pyrrhotite.						
		297.5-305	Coarse nodules pyrrhotite up to ½" x 2".						
305.0 - 387.0		MINERALIZED ZONE, 20% pyrrhotite, Fragmental some coarse fragments, dark & light, pyrrhotite nodules up to 2" x 4".							
		351-351.5	Migmatite dike.						
		373-374	Migmatite dike.						
387.0 - 403.0		COARSE GREY AGGLOMERATE - fractured & cut by quartz feldspar stringers, occasional pyrrhotite nodules.							
		402-403	Dark grey quartz feldspar dike.						
403.0		END OF HOLE No. G-11							
FROM	TO	WIDTH	AU oz/ton	Ag oz/ton	Cu %	Zn %	Ni %	Sample No.	
260.0	265.0	5.0			0.02			M 37869	
275.0	280.0	5.0	Tr.	0.08	0.04	Nil	Nil	M 37870	
300.0	305.0	5.0			0.04			M 37871	

Hole No. G-11

DIAMOND DRILL LOG

GHISLAU MINING CORPORATION LIMITED
Beauchemin Option - Isle Dieu Twp.

Hole No. - G-12	Elevation -	Claim - 203492 -1
Started - Jan. 30, 1965	Dip - Collar - -45°	Location - From 1965 Geophysic. Grid
Finished - Feb. 13, 1965	300' - -44°	Latitude - 50 42 00 S
Bearing - S 50° W		Departure - 70 50 W
Length - 585'		Logged by - A. C. Lee
Purpose -		Drill Co. - Rouyn D.D. & Dev.

DEPTH FEET	DESCRIPTION	SAMPLE NO.	ASSAYS	FOOTAGE	WIDTH
0 - 25.0	CASING				
25.0 - 143.0	GABBRO, fine to medium grained. 42-45 Silicified & chloritized. Last 15' cut by many fine quartz carbonate fractures at 60° .				
143.0 - 248.0	ANDESITE - dark green, chloritized & in part recrystallized, frequent minute carbonate fractures at 45° - 60° . 178-180 Heavily carbonatized & bleached, last 3' fractures running along core at 5° to C.A. 205-211 Feldspar porphyry dike, fine grained. 224-237 Same.				
248.0 - 268.6	GABBRO - fine grained.				
268.0 - 331.0	ANDESITE - dark green, hard. 269-280 Silicified in bands at 45° . with heavy pyrrhotite, frequent clots of fine brown biotite. 298-300 Coarse irregular pyrrhotite in occasional bands. 303-310 Irregular heavy lenses & bands pyrrhotite with a little pyrite as inclusions - 5% sulphides.				

Hole No. G-12

DEPTH FEET	DESCRIPTION	SAMPLE No.	ASSAYS	FOOTAGE	WIDTH
	316-318 Occasional bands pyrite & pyrrhotite accompanied by a little chalcopryite. 5% sulphide.				
	318-325 Massive pyrrhotite, very fine grained, a little pyrite & very little chalcopryite - 30% sulphides.				
	325-331 Cut by frequent stringers of white cherty feldspar carrying some pyrite, 5% sulphide.				
331.0 - 376.0	SULPHIDE ZONE				
	331-344.5 Heavy to massive pyrrhotite with occasionally a little pyrite & chalcopryite - 80% sulphides.				
	324.5-352.5 White cherty rhyolite bands similar to 324-331 carrying pyrite & some pyrrhotite, 3%				
	352.5-368 Black carbonaceous schist with heavy to massive bands pyrrhotite & a little pyrite, very low chalcopryite at 45°, some slickensided graphite slips. 50% sulphides.				
	368-376 Black carbonaceous schist with occasional cherty bands, carries pyrrhotite elongated fragments in bands also - increasing amount pyrite.				
376.0 - 585.0	BLACK BANDED CARBONACEOUS ROCK (SLATE) banding at 40°, irregular pyrite & less pyrrhotite, 1-3% sulphide.				
	376.5-379.5 Lost core, broken				
	379.5-381 Broken core				
	387-391 White feldspar porphyry or rhyolite intruding the slate parallel to banding.				
	391-396.5 Rhyolite dikes. Lost core - blocky ground, graphite slips.				
	419-424 Graphite slips.				
	400-410 Some cherty bands at 40°-70°, pyrite bands occasionally.				

DEPTH FEET	DESCRIPTION	SAMPLE No.	ASSAYS	FOOTAGE	WIDTH
	414-417				
	418-419.5				
	432-433.5				
	440-450				
	453-454				
	455-467				
	468-473				
	491-495				
	497-500				
	503-504				
	516.5-520.5				
	523-527				
	529-533				
	535-536				
	536-553				
	553-585				
585.0	END OF HOLE No. G-12				

DEPTH FEET		DESCRIPTION					SAMPLE NO.	ASSAYS	FOOTAGE	WIDTH
FROM	TO	WIDTH	AU	AG	CU	ZN			SAMPLE NO.	
317.0	322.0	5.0			0.10	N11			M 37880	
336.0	341.8	5.8			0.27				M 37881	
363.0	368.0	5.0			0.09				M 37882	

Hole No. G-12

DIAMOND DRILL LOG

GHISLAW MINING CORPORATION LIMITED
Beauchemin Option - Isle Dieu Twp.

Hole No. - G-13	Elevation -	Claim - 203493 -1
Started - Feb. 15, 1965	Dip - Collar - -45°	Location - From 1965 Geophysic. Grid.
Finished - Feb. 23, 1965	391' - -43°	Latitude - 51 50 S
Bearing - South (Ast.)		Departure - 58 50 W
Length - 391'		Logged by - A. C. Lee
Purpose -		Drill Co. - Rouyn D.D. & Dev.

DEPTH FEET	DESCRIPTION	SAMPLE NO.	ASSAYS	FOOTAGE	WIDTH
0 - 90.0	CASING				
90.0 - 197.0	DIORITE - coarse, carbonatized with low bleaching.				
	96-99 Andesite inclusion.				
	111-114 Andesite cut by quartz carbonate stringers at 45° & 90°.				
	120.5-123 Brick red syenite dike at 75° to core angle.				
	129-143 Brick red to salmon pink syenite, coarse.				
	145-148 Chloritized & carbonatized andesite.				
	154-160.5 Grey to pink syenite, coarse.				
	168-176 Syenite porphyry, coarse grain, dark red in dark green ground-mass.				
	188- 1 1/4" of massive chalcopyrite chlorite.				
	193- Same.				
197.0 - 203.0	RHYOLITE - altered				
	200-202 Fine breccia, well disseminated pyrite, 25% sulphides.				
203.0 - 220.0	AGGLOMERATE - medium coarse with fragments elongated up to 1" x 5", black slate bands frequently at 70°, pyrrhotite occurs as				

Hole No. G-13

DEPTH FEET	DESCRIPTION	SAMPLE No.	ASSAYS	FOOTAGE	WIDTH
203.0 - 220.0 (cont'd.)	fragments & sandy dull pyrite as fractures filling - 10%-15% sulphides.				
	200-227 <u>MINERALIZED ZONE</u>				
220.0 - 222.0	FINE TUFFACEOUS BRECCIA - high pyrite in blebs & streaks, say 50%-70%.				
222.0 - 242.0	SYENITE PORPHYRY - coarse pink feldspar in black groundmass.				
	235.5-236.5 Hard silicified lava in- clusion.				
242.0 - 310.0	BLACK CARBONACEOUS HYBRID - thin slaty bands at 45°, medium hard, with frequent relics of white feldspar & quartz in irreg- ular & mesh mineralized with scattered pyrite & pyrrhotite about 5%.				
	250-260 7% pyrite, pyrrhotite.				
	260-275 3% pyrite, pyrrhotite, ex- cept 7% pyrrhotite at 266.5'.				
	278-294 Frequent white feldspar phenocrysts.				
	294-297 Brownish red syenite por- phyry.				
	304.8- 4" quartz with high coarse particles chalcopyrite.				
	305-325 More frequent relics of white feldspar now in groups.				
310.0 - 382.0	FELDSPAR PORPHYRY, dark grey, fine grained on the whole but occasional coarse white or pink feldspar, south contact at 5°.				
	350-355 Grey andesite inclusion.				
	370-374 Green andesite.				
382.0 - 391.0	ANORTHOSITE - fine grained, abundant white feldspar phenocrysts up to 1 x 2 mm. The hybrid 242-310 may be related to this in- trusive.				
391.0	END OF HOLE No. G-13				

DEPTH FEET		DESCRIPTION				SAMPLE No.	ASSAYS	FOOTAGE	WIDTH
FROM	TO	WIDTH	AU	AG	CU			SAMPLE NO.	
200.0	205.0	5.0	Tr.	Nil	0.05			M 37874	
205.0	210.0	5.0	Tr.	Nil	0.04			M 37875	
210.0	215.0	5.0	Tr.	Nil	0.05			M 37876	
215.0	220.0	5.0	Tr.	Nil	0.06			M 37877	
220.0	225.0	5.0	0.01	0.32	0.22			M 37878	
225.0	227.0	2.0	0.05	0.44	0.85			M 37879	

DIAMOND DRILL LOG

GHISLAU MINING CORPORATION LIMITED
Beauchemin Option - Isle Dieu Twp.

Hole No. - G-14	Elevation -	Claim - 203493 -2
Started - Feb. 24, 1965	Dip - Collar - -45°	Location - From 1965 Grid
Finished - Feb. 27, 1965		Latitude - 52 00 S
Bearing - South		Departure - 57 00 W
Length - 208'		Logged by - A. C. Lee
Purpose -		Drill Co. - Continental

DEPTH FEET	DESCRIPTION	SAMPLE NO.	ASSAYS	FOOTAGE	WIDTH
0 - 106.0	CASING				
106.0 - 208.0	COARSE SYENITE PORPHYRY - grey with chloritic groundmass.				
	123-125 Chloritic green andesite inclusion.				
	139-150 Greenstone and hybrid porphyry.				
	140-150 Low to medium streaks pyrite.				
	170-184 Greenstone & hybrid.				
	195-202.5 Some quartz, red to brown, coarse grained, basic granite.				
	202.5-204 Lost core.				
	205.5-207.5 Lost core.				
208.0	END OF HOLE No. G-14				
FROM	TO	WIDTH	AU Oz/ton	SAMPLE NO.	
140.0	145.0	5.0	0.01	M 37883	
145.0	150.0	5.0	0.01	M 37885	
Hole No. G-14					

DIAMOND DRILL LOG

GHISLAW MINING CORPORATION LIMITED
Isle Dieu Twp. - Beauchemin Option

Hole No. - G-15	Elevation -	Claim - 203493 -1
Started - Mar. 1, 1965	Dip - Collar - -45°	Location - From 1965 Grid
Finished - Mar. 5, 1965		Latitude - 51 50 S
Bearing - South		Departure - 61 50 W
Length - 443' 420'		Logged by - A. C. Lee
Purpose -		Drill Co. - Continental

DEPTH FEET	DESCRIPTION	SAMPLE No	ASSAYS	FOOTAGE	WIDTH
0 - 86.0	CASING				
86.0 - 123.0	RHYOLITE FRAGMENTAL - coarse fragments up to 1" x 4" or 5", many of yellow sericite, the whole cut by many black thin fractures, some slips & low shearing.				
123.0 - 205.0	RHYOLITE - massive yellow, black fractures				
	133-136 Broken core, many black minor slips.				
	137-139 Broken core slips at 70°.				
	141-144 Broken core, looks like oxidized open break at 143-144.				
	145-153 Dark blue, with many black fractures.				
	153-155 Yellow slip at 5° core axis				
	163-168 Several yellow slips at 5° core axis, with brown oxidation suggesting an open seam.				
	171-185 Black fractures less numerous.				
	185-200 Fracturing more intense, becoming a definite breccia - main movement at 45°.				
	200-205 Softer, chloritized.				
205.0- 240.0	GABBRO - fine grain, heavy, massive dark green with frequent irregular red pseudocrystals which look like garnets, a streak pyrrhotite.				

Hole No. G-15

DEPTH FEET	DESCRIPTION	SAMPLE No.	ASSAYS	FOOTAGE	WIDTH
240.0 - 279.0	DIORITE - fine to medium grain with some inclusions of gabbro.				
279.0 - 296.0	MINERALIZED ZONE - grey, fine grained rhyolite fairly massive, yet fractured low carbonization, cut by carbonate fractures, medium pyrite - low pyrite, very low chalcopyrite - 30% sulphides.				
296.0 - 420.0	GABBRO - dark green, irregular texture fine to coarse with round inclusions, pillows or fragments some segregation of fine brown mica. Scattered coarse pyrrhotite up to 10 mm long.				
	321-323 Fine pyrrhotite replacement around inclusions, 20% sulphides strongly magnetic.				
	325.5-326.5 Grey granite.				
	375-384 Dark rhyolite inclusions, very hard.				
	392-409 Dark rhyolite inclusions.				
	406-409 Streaks coarse pyrrhotite & pyrite, scattered.				
	411-420 Inclusions of dark rhyolite, cut by quartz threads frequent coarse pyrrhotite blebs.				
420.0	END OF HOLE No. G-15				

<u>FROM</u>	<u>TO</u>	<u>WIDTH</u>	<u>AU</u>	<u>CU</u>	<u>SAMPLE NO.</u>
279.0	285.0	6.0'	Tr.	0.11	M 37884
285.0	290.0	5.0	Nil	0.09	M 37886
290.0	296.0	6.0	Tr.	0.11	M 37887
406.0	409.0	3.0	Nil		M 37888

DIAMOND DRILL LOG

GHISLAU MINING CORPORATION LIMITED
Beauchemin Option - Isle Dieu Twp.

Hole No. - G-16	Elevation -	Claim - 203493 -1
Started - Mar. 8, 1965	Dip - Collar - -45°	Location - From 1965 Grid
Finished - Mar. 11, 1965	259' - -45°	Latitude - 52 60 S
Bearing - S 30° W		Departure - 58 90 W
Length - 259'		Logged by - A. C. Lee
Purpose -		Drill Co. - Rouyn D. D.

DEPTH FEET	DESCRIPTION	SAMPLE NO.	ASSAYS	FOOTAGE	WIDTH
0 - 69.0	CASING				
69.0 - 172.5	RHYOLITE - yellow sericitized, coarse frag- mental.				
	73-80.5 Coarse grained dike, 5% pyrite & leucoxene.				
	87-98 Broken core, frequent frac- tures.				
	98-100 Weak slips at 10° with cal- cite & 1 to 2 thousandths thickness of molybdenite plated.				
	100-120 Broken core, frequent fra- ctures @ 45° .				
	130-148.5 Frequent fractures at 10° - 30° , black filled with chlo- rite.				
	148.5-150 Heavy pyrite as nodules & irregular masses.				
	157.5-161.5 Seams of massive pyrite at 15° to core axis & irreg- ular masses.				
172.5 - 187.5	MINERALIZED SECTION - fine brecciation, with heavy pyrite, some pyrrhotite & scattered & streaky chalcopryite, usually black with slatey sections, sometimes with slips @ 20° .				
	182.5-185 Mostly heavy to massive sul- phides, 1/3 chalcopryite.				

Hole No. G-16

DEPTH FEET	DESCRIPTION	SAMPLE No	ASSAYS	FOOTAGE	WIDTH
	185-187.5 Similar but less than 1/4 chalcopyrite.				
187.5 - 259.0	DIORITE - dark grey to black massive, fine grained.				
	187.5-200 Pyrrhotite & pyrite as coarse nodules & fine sca- ttered mineralization up to 30%.				
	245- Slips at 10° to core axis.				
259.0	END OF HOLE No. G-16				

<u>FROM</u>	<u>TO</u>	<u>WIDTH</u>	<u>AU</u>	<u>CU</u>	<u>AG</u>	<u>ZN</u>	<u>MoS2</u>	<u>SAMPLE NO.</u>
98.0	100.0	2.0'					0.10	M 37903
172.5	177.5	5.0	Tr.	0.25	0.14			M 37891
177.5	182.5	5.0	Tr.	0.15	0.08			M 37892
182.5	187.5	5.0	0.11	2.24	0.56	0.08	0.03	M 37893
187.5	192.5	5.0	Tr.	0.08	0.12			M 37894

DIAMOND DRILL LOG

GHISLAIN MINING CORPORATION LIMITED
Beauchemin Option - Isle Dieu Twp.

Hole No. - G-17	Elevation -	Claim - 203493 -1
Started - Mar. 12, 1965	Dip - Collar - -70°	Location - From 1965 Grid
Finished - Mar. 15, 1965	254' - -69°	Latitude - 52 60 S
Bearing - S 30° W		Departure - 58 90 W
Length - 254'		Logged by - A. C. Lee
Purpose -		Drill Co. - Rouyn D. D.

DEPTH FEET	DESCRIPTION	SAMPLE NO.	ASSAYS	FOOTAGE	WIDTH
0 - 47.0	CASING				
47.0 - 50.0	ANDESITE - green, altered.				
50.0 - 167.0	DIORITE OR GABBRO - fine grained at top but medium grained from 65' down, dark green, ophitic texture.				
	121-124 Grey syenite or granite @ 45°.				
	125-150 Some finer grained sections or semi-digested inclusions,				
	165-167 Heavy streaks fine grained pyrite.				
167.0 - 190.0	MINERALIZED ZONE in rhyolite.				
	167-182 Dark, nearly black, streaks almost massive pyrite and pyrrhotite.				
	182-184 Similar but with occasional narrow streaks chalcopyrite.				
	184-185 Many slips at 45° with graphite.				
	185-187 Slips with graphite & molybdenite, rhyolite breccia.				
	187-190 Rhyolite breccia with streaks weak chalcopyrite in pyrite.				
190.0 - 226.0	DIORITE OR GABBRO - massive but fine grained, dark grey to black, occasional streaks of heavy pyrite & pyrrhotite, frequent rhyolite inclusions - some brecciated.				

Hole No. G-17

DEPTH FEET		DESCRIPTION				SAMPLE NO.	ASSAYS	FOOTAGE	WIDTH
226.0 - 254.0		RHYOLITE - massive, dark grey with black spots & occasional round peas of pyrrhotite.							
254.0		END OF HOLE No. G-17.							
FROM	TO	WIDTH	AU	AG	CU	ZN	MoS2	SAMPLE NO.	
165.0	170.0	5.0	Tr.	Nil	0.05			M 37895	
170.0	175.0	5.0	Tr.	Nil	0.09			M 37896	
175.0	180.0	5.0	Nil	Nil	0.06			M 37897	
180.0	185.0	5.0	Tr.	0.06	0.09			M 37898	
185.0	190.0	5.0	0.01	0.20	0.61		0.04	M 37899	

DIAMOND DRILL LOG

GHISLAIN MINING CORPORATION LIMITED
Beauchemin Option - Isle Dieu Twp.

Hole No. - G-18	Elevation -	Claim - 203493 -1
Started - Mar. 16, 1965	Dip - Collar - -70°	Location - From 1965 Grid
Finished - Mar. 21, 1965	300' - -71°	Latitude - 52 31 S
Bearing - S 30° W		Departure - 59 49 W
Length - 300'		Logged by - A. C. Lee
Purpose -		Drill Co. - Rouyn D. D.

DEPTH FEET	DESCRIPTION	SAMPLE NO	ASSAYS	FOOTAGE	WIDTH
0 - 45.0	CASING				
45.0 - 204.5	GABBRO - green, fine grained, some amphibolite inclusions, occasional scattered pyrrhotite & a little chalcopryrite grains, lower contact 45° to core axis.				
	90.5-91 White syenite dike @ 90° to core.				
	92-93 Same.				
	118-119.5 White syenite dike, irregular contact.				
	121-122 Same.				
	125-150 Becoming lighter in colour.				
	164-180 Many brown mica spots up to 3 mm.				
	185-190 Low disseminated fine pyrite & magnetite.				
204.5 - 225.3	RHYOLITE - massive at first, becoming coarse agglomerate, yellow to dark blue colour.				
225.3 - 230.3	MINERALIZED SECTION - chloritized & cut by calcite stringers, some very heavy sections botryoidal pyrite & a few streaks chalcopryrite.				
230.3 - 300.0	GABBRO - scattered low pyrite & magnetite.				
	242-243.5 Mostly massive pyrrhotite.				
	245.5 254 White syenite porphyry, coarse.				

Hole No. G-18

DEPTH FEET	DESCRIPTION	SAMPLE No.	ASSAYS	FOOTAGE	WIDTH
	257.5-261.5 White syenite porphyry @ 40° to core.				
	261.5-285 Mostly rhyolite inclusions, black, with scattered pyrr- hotite, 6" heavy at 262.5.				
	276.5-278 Heavy pyrrhotite fragmental & a little scattered coarse chalcopyrite.				
300.0	END OF HOLE No. G-18.				

<u>FROM</u>	<u>TO</u>	<u>WIDTH</u>	<u>AU</u>	<u>AG</u>	<u>CU</u>	<u>SAMPLE NO.</u>
185.0	190.0	5.0'	NH1			M 37901
225.3	230.3	5.0	0.01	0.20	0.40	M 37902

DIAMOND DRILL LOG

GHISLAU MINING CORPORATION LIMITED
Beauchemin Option - Isle Dieu Twp.

Hole No. - G-19	Elevation -	Claim - 203493 -1
Started - Mar. 23, 1965	Dip - Cellar - -70°	Location - From 1965 Grid
Finished - Mar. 27, 1965	360' - -71°	Latitude - 52 00 S
Bearing - S 30° W		Departure - 59 80 W
Length - 360'		Logged by - A. C. Lee
Purpose -		Drill Co. - Rouyn D. B.

DEPTH FEET	DESCRIPTION	SAMPLE NO	ASSAYS	FOOTAGE	WIDTH
0 - 70.0	CASING				
70.0 - 271.5	GABBRO - light green, medium grained.				
	75-86 Occasional heavy streaks of pyrite or pyrrhotite.				
	141- 6" white syenite porphyry dike.				
	149- 3" white syenite porphyry dike.				
	149.5- 6" white syenite porphyry dike.				
	167.5-170.5 Coarse white syenite @ 30° dark green chlorite fills spaces between feldspar crystals.				
	215-227 Abundant pink angular min- eral, fairly soft - sand seam at 222'.				
	245-253 Frequent irregular white syenite dikelets cutting core at 30°.				
	258-266 Many fractures, broken core.				
271.5 - 275.0	QUARTZ PORPHYRY - fresh, grey, fractured & brecciated.				
275.0 - 277.5	RHYOLITE BRECCIA - coarse.				
277.5 - 293.7	MINERALIZED ZONE - black to dark green, rhyolite intruded by gabbro.				

Hole No. G-19

DEPTH FEET	DESCRIPTION	SAMPLE No.	ASSAYS	FOOTAGE	WIDTH
	279-281 Graphite slips 30°-45° to core axis, irregular coarse pyrite.				
	281-282.5 Massive pyrite, dull brownish yellow.				
	282.5-283.5 Heavy calcite breccia with coarse sandy pyrite, vuggy, with some coarse chalcopyrite occasionally.				
	283.5-293.7 Dark green, chloritized hybrid rhyolite intruded by gabbro, streaks & clusters of pyrrhotite & pyrite with a little chalcopyrite occasionally.				
293.7 - 360.0	BASALT - low chloritization & with frequent irregular elongated black shapes (carbonaceous dust)* scattered pyrrhotite & streaks pyrite - rock keeps same texture & appearance to end - drilling with formation*				
	306-310 Irregular coarse pyrrhotite shapes.				
	314.5-317 Breccia filled with quartz occasionally. & carrying pyrrhotite irregularly.				
	320-322 Brecciated with 2" molybdenite grains at 322'.				
360.0	END OF HOLE No. G-19				

<u>FROM</u>	<u>TO</u>	<u>WIDTH</u>	<u>AU</u>	<u>AG</u>	<u>CU</u>	<u>SAMPLE NO.</u>
277.5	282.5	5.0			0.31	M 37904
282.5	287.5	5.0			0.85	M 37905
287.5	293.7	6.2			0.21	M 37906

DIAMOND DRILL LOG

GHISLAU MINING CORPORATION LIMITED
Beauchemin Option - Isle Dieu Twp.

Hole No. - G-20	Elevation -	Claim - 203493 -1
Started - Mar. 29, 1965	Dip - Collar - -90°	Location - 1965 Grid
Finished - Apr. 9, 1965	-90° - 573'	Latitude - 51 50 S
Bearing - Vertical		Departure - 60 50 W
Length - 577'		Logged by - A. C. Lee
Purpose -		Drill Co. - Rouyn D. D.

DEPTH FEET	DESCRIPTION	SAMPLE No	ASSAYS	FOOTAGE	WIDTH
0 - 68.0	CASING				
68.0 - 247.0	RMOLITE - sericite yellow, intensely fractured at 70° & filled with ankerite streaks, hard.				
	85-151 Breccia, medium, healed with calcite & ankerite, low chloritization fragments with cherty silicification 129-130 and 147-151.				
	151-207 Yellow sericitized cut by black chloritic threads, hard, fractured throughout into a coarse breccia.				
	207-230 Less altered, but fractured somewhat.				
	230-247 Carbonate breccia, streaks of fine pyrite, some heavy, some well disseminated.				
247.0 - 294.0	GREY GREEN GRANITE - coarse white to pink feldspars.				
	267-275 Amphibolite and diorite.				
294.0 - 455.5	DIORITE - fine to medium grained, "coarse" grained sections & much amphibolite.				
	307-312 Feldspar porphyry - very fine grained with infrequent small white & pink feldspars.				
	385-400 Coarser grained, <u>gabbro</u> with great variation in composition, low serpentinization.				

Hole No. G-20

DEPTH FEET	DESCRIPTION	SAMPLE No	ASSAYS	FOOTAGE	WIDTH
	430-430.5 Grey syenite @ 45°.				
	433.5-434 Grey syenite				
	453.5-455.5 Rhyolite, medium pyrite - one slip along core shows a little molybdenite.				
455.5 - 472.5	SYENITE PORPHYRY - pink to white, coarse grained.				
472.5 - 500.0	WHITE CHERTY RHYOLITE - badly broken & blocky.				
	472.5-475 Narrow streaks pyrrhotite and pyrite, occasional fractures with a little chalcopryrite.				
	480-490 Irregular coarse syenite in- trusions.				
	490- 6" silicified, fractured & mineralized with pyrite, pyrrhotite & chalcopryrite.				
	492-494.5 Many graphite slips, much lost core, frequent grains & plates of molybdenite.				
	495-499.5 Feldspar porphyry, very fine grained, tiny feldspar pheno- crysts.				
500.0 - 540.4	MINERALIZED ZONE - GREY CHERTY RHYOLITE BRECCIA with many red streaks. Irregular pyrite throughout, some massive streaks at all angles, some nodules, irregular fract- ures carrying chalcopryrite.				
	527.5-532.5 Nearly massive pyrite in places, and a little chalco- pyrite.				
	532.5-537 Heavy streaks pyrite, chalco- pyrite @ 40°, heavy chlorite.				
540.4 - 577.0	GABBRO				
	547.5-552 Feldspar porphyry, fine grained both contacts at 70°-80°.				
	558.7-561.2 Mostly massive fine grained, pyrrhotite with a little chalcopryrite scattered through- out.				
577.0	END OF HOLE No. G-20.				

DEPTH FEET		DESCRIPTION		SAMPLE No.	ASSAYS	FOOTAGE	WIDTH
FROM	TO	WIDTH	Cu %	MoS2 %		SAMPLE NO.	
492.0	494.5	2.5'		0.24		M 37907	
500.0	505.0	5.0	0.13			M 37908	
505.0	510.0	5.0	0.10			M 37909	
510.0	515.0	5.0	0.17			M 37910	
515.0	520.0	5.0	0.20			M 37911	
520.0	525.0	5.0	0.17			M 37912	
525.0	527.5	2.5	0.35			M 37913	
527.5	532.5	5.0	1.19	0.10		M 37914	
532.5	537.0	4.5	2.91	0.01		M 37915	
537.0	540.0	3.4	0.35			M 37916	
558.7	561.2	2.5	0.06			M 37917	
AVERAGES:							
532.5	537.0	4.5	2.91				
527.5	537.0	9.5	2.00	0.06			
500.0	540.4	40.4	0.62				