



42A10NW0539 14 CLERGUE

010

Diamond Drilling

Township of Clergue

Report NO: 14

Work performed by: Dominion Gulf Co.

Claim NO	Hole NO	Footage	Date	Note
L. 57168	13	1191'	Apr/52	

Notes:

3-1-90

PROPERTY

CLERGUE

SE 1/4 S 1/2 11/4

Clergue

L.S. 7168

HOLE NUMBER 13 (100. 5)

SHEET NUMBER 1

SECTION FROM 0 TO 388

DIAMOND DRILL RECORD

LOCATION: LAT. 1440 N
DEP. 870 W

ELEVATION OF COLLAR

DATUM

DIRECTION AT START: BEARING N 5° E
DIP Surface 48°; 300'-53°; 600'-51°; 1000'-52°

STARTED April 4, 1952

COMPLETED May 16, 1952

ULTIMATE DEPTH 1191'

PROPOSED DEPTH 960'

DEPTH FEET	FORMATION	SAMPLE NO	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$		
0-284	Casing in overburden - sand, clay, gravel and boulders.					B.I.R.	Specimens
284-388	Peridotite Fine to medium grained, finely mottled black and grey, incipiently poikilitic. Highly but not completely serpentized. Ratio of altered olivine to pyroxene and pyroxene derivations is about 75:25 although variable locally. Contains up to 5% leucoxene. Medium to strong magnetic strength - estimated 10% magnetite as fine disseminated material and occasional thin stringers at 45° and 80° to core long axis. Fairly frequent thin fibre stringers. Box 284 to 309 3 fibre stringers 1/16", 45° 298-299 irregular thin gabbro dyke paralleling the core. Box No. 2 (309 to 334) - 12 fibre stringers at 1/16 45° plus frequent very thin discontinuous stringers. 332-333 banded, possibly due to rehealed shearing.	6213	291-293	8.58 Fe	0.23 Ni	0.50 Cr	296 322

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Drill core is stored at
the drill site

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PROPERTY CLERGUEHOLE NUMBER 13 (loc. 5)SHEET NUMBER 2

DIAMOND DRILL RECORD

SECTION FROM 388 TO 417.5
 LOCATION: LAT. _____
 DEP. _____
 ELEVATION OF COLLAR _____
 DATUM _____
 DIRECTION AT START: BEARING _____
 DIP _____

 STARTED _____
 COMPLETED _____
 ULTIMATE DEPTH _____
 PROPOSED DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$	
	Box No. 3 (334-358) fibre 1 @ 1/4, 8 @ 1/8, 25 @ 1/16 1" gabbro dykes 60° to core at 337, 338, 340 and 344				BIR Specimens 346	
	Box No. 4 (358-382) fibre 4 @ 1/8, 22 @ 1/16 plus frequent very thin discontinuous fibre lines all at about 45° generally.				369	
	Box No. 5 (382-407) 382-388 fibre 5 @ 1/16 387.5-388 rehealed shearing. 388-407 pyroxenite				388 (contact)	
388-417.5	Pyroxenite - fine grained, massive, fresh looking; light to dark grey varying locally. Highly chilled upper contact, 60° to core long axis. Rock is fairly hard, and exceptionally fine-grained for a pyroxenite. Contains about 10% irregular dark green splotches up to 1/10". Non-magnetic.				404	
	Box No. 6 (407-432) pyroxenite to 417.5					

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PROPERTY CLERGUEHOLE NUMBER 13 (loc. 5)SHEET NUMBER 3SECTION FROM 417.5 TO 476.5

DIAMOND DRILL RECORD

LOCATION: LAT.
 DEP.
 ELEVATION OF COLLAR
 DATUM
 DIRECTION AT START: BEARING
 DIP

STARTED
 COMPLETED
 ULTIMATE DEPTH
 PROPOSED DEPTH

DEPTH FEET	FORMATION	SAMPLE NO	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$		
417.5-476.5	Peridotite - uniform, massive poikilitic peridotite, highly but not completely serpentinized; mottled black and dark grey; fine to medium grained. Magnetite estimated at 10% as fine disseminated material and occasional thin stringers.						BIR Specimen
	Box No. 6 (cont'd) (407-432) 417.5-432 peridotite, as described fibre 5 @ 1/16						425
	Box No. 7 432-457 fibre 103/16, 501/8, 301/16	6214	448-450	13.37 0.12	451		
	Box No. 8 (457-482) As described to 476.5 - approaching 476.5 becomes slightly finer-grained, and leucoxene increases. Fibre 8 @ 1/8 and 12 @ 1/16 to 476.5. Very abrupt 45° contact at 476.5 with completely serpentinized dunite.			Fe Ni Cr 0.43			471

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PROPERTY CLERGUE

HOLE NUMBER 13 (loc. 5)

SHEET NUMBER 4

SECTION FROM 476.5 TO 1156

DIAMOND DRILL RECORD

LOCATION: LAT.
 DEP.
 ELEVATION OF COLLAR
 DATUM
 DIRECTION AT START: BEARING
 DIP

STARTED
 COMPLETED
 ULTIMATE DEPTH
 PROPOSED DEPTH

DEPTH FEET	FORMATION	SAMPLE NO	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$		
476.5-1156	Dunite - light green colour, changing to a light olive green at 533 and back to light green at 833. Completely serpentized. Olivine pseudomorphs distinct fairly large. Only slightly magnetic, magnetite content less than 5% overall. As occasional thin stringers - disseminated magnetite content is very low, Disseminated chalcopyrite at upper contact, Contains thin stringers of cross and slip fibre, as described in the following detailed description. Box No. 8 (457-482) 476.5-482 as described above, No fibre Box No. 9 (482-508) As described; 486-489 lost core fibre 8 @ 1/16 503-508 fractured and broken 1' mud seam at 506' Box No. 10 (508-533) Missing - lost in transit ?						
					BIR Specimen		
					482		
					492		

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PROPERTY CLEGGUEHOLE NUMBER 13 (Loc. 5)SHEET NUMBER 5

DIAMOND DRILL RECORD

SECTION FROM 476.5 TO 1156

LOCATION: LAT.

STARTED

DEP.

COMPLETED

ELEVATION OF COLLAR

ULTIMATE DEPTH

DATUM

DIRECTION AT START: BEARING

PROPOSED DEPTH

DEPTH FEET	FORMATION	SAMPLE NO	WIDTH OF SAMPLE	GOLD %	SLUDGE GOLD %
					BIR Specimen
	Box No. 11 (533-558) Olive-green, completely serpentinized dunite, massive, uniform as before. Only slightly magnetic. About 6 thin magnetite stringers up to 1/4". Occasional thin seams of slip fibre. No cross fibre.				551
	Box No. 12 (538-583) As before. Occasional thin seams of slip fibre and magnetite.				574
	Box No. 13 (583-608) As before 604-606 lost core. Frequent serpentine slips	6215	600-602 5.85	Fe Ni Cr 0.20 0.17	599
	Box No. 14 (608-633) As before Several seams of slip up to 1/8", many thin, less than 1/16". Uniform, occasional thin seams of magnetite. 610-612 lost core.				623

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PROPERTY CLERGUEHOLE NUMBER 13 (loc, 5)SHEET NUMBER 6

DIAMOND DRILL RECORD

SECTION FROM 476.5 TO 1156LOCATION: LAT.
DEP.

ELEVATION OF COLLAR

DATUM

DIRECTION AT START: BEARING

DIP

STARTED

COMPLETED

ULTIMATE DEPTH

PROPOSED DEPTH

DEPTH FEET	FORMATION	SAMPLE NO	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$		
	Box No.15 (633-658)						
	As before, fairly frequent thin (less than 1/16) seams of slip-fibre and frequent serpentine slips.						
	635-637 lost core						
	6" mud seam at 644						
	Box No. 16 (658-683)						
	661-678 more highly fractured, fractures filled with slip fibre, all thin. Colour olive green.						
	Low magnetite content as fine dust surrounding olivine pseudomorphs.						
	Box No.17 (683-708)						
	Lost core 690-692, 693-694, 705-706						
	Rock type as before. Fairly frequent thin seams of slip fibre, occasional thin seams of magnetite						
	Box No.18 (708-733)						
	Rock type as before. More frequent magnetite stringers up to 1/8" usually at 45°.						

BIR Specimen

651

682

700

722

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PROPERTY

CLERGUE

HOLE NUMBER 13 (loc. 5)

SHEET NUMBER 7

SECTION FROM 476.5 TO 1156

DIAMOND DRILL RECORD

LOCATION: LAT.
 DEP.
 ELEVATION OF COLLAR
 DATUM
 DIRECTION AT START: BEARING
 DIP

STARTED
 COMPLETED
 ULTIMATE DEPTH
 PROPOSED DEPTH

DEPTH FEET	FORMATION	SAMPLE NO	WIDTH OF SAMPLE	GOLD %	SLUDGE GOLD %
	Frequent slip fibre in slips up to 1/16". Appears to be weak and talcose				B.I.R. Specimen 726
	Box No. 19 (733-758) Rock type as before. Slightly magnetic. Traces of leucoxene. Considerable increase in the quantity of fibre. Cross-fibre is present, together with slip fibre. Fibre is all short, with very numerous thin fibre lines. Loggable fibre - 6 @ 1/8, 60 @ 1/16				753
	Box No. 20 (758-783) As before - all shorts. Magnetite seams are wider, more frequent. Eleven at 1/2" Fibre 6 @ 1/8, 30 @ 1/16				774
	Box No. 21 (783-808) Massive uniform olive green serpentinized dunitite, as before. Quantity of fibre has dropped. 1 @ 1/8, 6 @ 1/16	6216	798-800	Fe Ni Cr 4.35 0.24	794 0.58

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PROPERTY

CLERGUE

HOLE NUMBER 13 (loc. 5)

SHEET NUMBER 8

SECTION FROM 476.5 TO 1156

DIAMOND DRILL RECORD

LOCATION: LAT.
 DEP.
 ELEVATION OF COLLAR
 DATUM
 DIRECTION AT START: BEARING
 DIP

STARTED
 COMPLETED
 ULTIMATE DEPTH
 PROPOSED DEPTH

DEPTH FEET	FORMATION	SAMPLE NO	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$		
	Box No. 22 (808-833) rock as before 1" of magnetite at 820'					BIR Specimen	
	Frequent thin fibre stringers less than 1/16.					819	
	Box No. 23 (833-858) Completely serpentinized dunite, slight change in colour from light olive green to light green. Very little fibre (301/16) More frequent magnetite stringers mostly with no associated fibre (25 up to 1/4") 857-58 lost core,					842	
	Box No. 24 (858-883) As above just a few thin fibre stringers, magnetite about the same. 874-875 lost core.					877	
	Box No. 25 (883-908) massive, light green, completely serpentinized dunite as before. A few threads of fibre. Minor pyrrhotite stringers very thin, associated with a magnetite stringer in 3" of amorphous green serpentine at 898.					895	

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PROPERTY CLERGUE

HOLE NUMBER 13 (loc. 5)

SHEET NUMBER 9

DIAMOND DRILL RECORD

SECTION FROM 476.5 TO 1156

LOCATION: LAT. _____
 DEP. _____
 ELEVATION OF COLLAR _____
 DATUM _____
 DIRECTION AT START: BEARING _____
 DIP _____

STARTED _____
 COMPLETED _____
 ULTIMATE DEPTH _____
 PROPOSED DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$
	Fairly frequent thin magnetite stringers as before	6218	897-898	Ni-0.20 Fe-5.50 Cr-0.39	
	Box No. 26 (908-933) as before				BIR Specimen
	No fibre at all. Frequent thin magnetite stringers.				922
	Box No. 27 (933-958) Rock type as before. Frequent thin seams of fibre, mostly slip, at 20° and 70° to core long axis. 945-46 lost core.				949
	Box No. 28 (958-983) Rock more highly fractured 961-62 lost core Numerous thin fibre lines, 30° to core long axis.				970
	Box No. 29 (983-1008) Rock well fractured. Very numerous thin fibre lines in ribbon fashion. Also thin fibre following fractures, probably mostly slip. Slip makes estimation difficult -1% Occasional magnetite seams.	6217	998-1000 13.41	Fe Ni Cr 0.24 0.11	994

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PROPERTY CLERGUEHOLE NUMBER 13SHEET NUMBER 10

DIAMOND DRILL RECORD

SECTION FROM 476.5 TO 1156LOCATION: LAT.
DEP.

STARTED

ELEVATION OF COLLAR

COMPLETED

DATUM

ULTIMATE DEPTH

DIRECTION AT START: BEARING

PROPOSED DEPTH

DEPTH FEET	FORMATION	SAMPLE NO	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$		
	Box No. 30 (1008-1033) Same as last box. Magnetite increasing - 15 stringers up to 1 inch in width at 20° and 45°					BIR Specimen	
					1025		
	Box No. 31 (1033-1058) Rock more massive and uniform. Numerous thin fibre lines. Some talcose slip-fibre - a few at 1/8" and a few at 1/16".					1050	
	Box No. 32 (1058-1083) Same as last box massive and uniform. Numerous thin fibre lines. No loggable fibre.					1075	
	Box No. 33 (1083-1108) massive completely serpentinized dunite, becoming darker in colour at 1100 (light green to olive green) Contains a few thin fibre stringers. Fibre lines have decreased greatly. Lost core 1103 - 1108.					1100	

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PROPERTY CLERGUE

HOLE NUMBER 13

SHEET NUMBER 11

SECTION FROM 476.5 TO 1191

DIAMOND DRILL RECORD

LOCATION: LAT.....
 DEP.....
 ELEVATION OF COLLAR.....
 DATUM.....
 DIRECTION AT START: BEARING.....
 DIP.....

STARTED.....
 COMPLETED.....
 ULTIMATE DEPTH.....
 PROPOSED DEPTH.....

DEPTH FEET	FORMATION	SAMPLE NO	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$	
	Box No. 34 (1108-1133) Mottled light and olive green. Core broken and blocky. Numerous serpentine slips. Frequent thin streaky magnetite veins a few fibre stringers (2 @ 1/16, several < 1/16) Lost core 11.0 - 1112					BIK Specimen 1124
	1125-1126					
	Box No. 35 (1133-1158) As before to 1156	6219	1153-1155	Fe Ni	Cr	
	Frequent serpentine slips and picrolite stringers A few thin fibre stringers.					1150
1156-1173	Contact Zone - highly serpentized and carbonatized tuff. Banded at 45° to core. The tuff is almost completely assimilated by the serpentized dunite and in local zones is wholly assimilated, the only remaining evidence of the tuff being a streaky banding.					1170 1174
1173-1191	Tuff - light grey, faintly banded 45° to core, fine-grained, carbonatized. Numerous irregular carbonate stringers and replacement zones. Local zones may contain very fine disseminated pyrite. At 1187.5 1/2" fine pyrite, possibly also some fine arsenopyrite needles.	6220	1187.5-	1188	Ni.Au	1188

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1191 END OF HOLE

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