



Diamond Drilling

Township OF SCADDING

Report NO: 17

Work performed by: GULF MINERALS CANADA LTD.

Claim Nº	Hole Nº	Footage	Date	Note
S 346915	S-1	101'	Oct/73	(1)
	S-2	471	0ct/73	(1)
	S-3	2661	Oct/73	(1)
	S-4	5001	0ct/73	(1)
	S-5	182'	Oct/73	(1)
	S-6	188'	0ct/73	(1)
	S-7	157'	Oct/73	(1)
	S-8	1341	Oct/73	(1)
	S - 9	190'	Oct/73	(1)
	S-10	153'	Nov/73	(1)
	S-11	2951	Nov/73	(1)
	S-12	111'	Nov/73	(1)
	S-13	192'	Nov/73	(1)
	S-14	194.5'	Aug/74	(2)
	S-15	187.0'	Aug/74	(2)
	S-16	338.01	Aug/74	(2)
	S-17	52.01	Aug/74	(2)
	S-18	192.0'	Aug/74	(2)
	S-19	218.01	Aug/74	(2)
	S-20	223.01	Sept/74	(2)
	S-21	177.0'	Sept/74	(2)
Notes:		4097.5		

(1) 40/74

Diamond Drilling

Township of SCADDING

Report NO: 17

Work performed by: Gulf Minerals Canada Ltd.

Claim NO	Hole No	Footage	Date	Note
S 346915	S-22	272.01	Sept/74	(2)
	S-23	111.0'	Sept/74	(2)
	S-24	220.0'	Sept/74	(2)
	S-25	190.0'	Sept/74	(2)
	S-26	201.01	Sept/74	(2)
	S-27	201.0'	Sept/74	(2)
	S-28 ·	208.01	Sept/74	(2)
	S-29	117.0'	Oct/74	(2)
	S-30	184.0'	Oct/74	(2)
	S-31	205.0'	Oct/74	(2)
	S-32	106.0'	Oct/74	(2)
	S-33	178.0'	Oct/74	(2)
S 373196	S-45 ·	307.0'	Sept/75	(3)
	S-46 ·	317.0'	Oct/75	(3)
	S-47 ·	348.01	Oct/75	(3)
	S-48×	310.0'	Oct/75	(3)
	S-49	298.01	Oct/75	(3)
	S-50	358.0'	Oct/75	(3)
S 359344	S-51	268.0'	Oct/75	(3)
S 359360	S-52	258.0'	Oct/75	(3)
Notes:				
(2) #53-75		87.	54.51	

ToTul: 41 DH

(3) #94-75



Gelimil Debend clorenim lind DIAMOND DRILL RECORD

D.D.H. NO. s-1' SHEET

1 OF 2

Scadding Township - Ontario PROPERTY 3+03N LATITUDE_ 5+62W LONGITUDE_ ELEVATION + 1 ft. (relative to S-3.S-4)

BEARING-TRUE 180° DIP_ FINAL DEPTH 101 feet CORE SIZE____

DATE STARTED October 18, 1973 DATE COMPLETED_October 19, 1973 DRILLED BY Midwest LOGGED BY P. C. McLean

DATE: November 14, 1973 SIGNED Val.

BED'G & FOLIA F'TAGE **F'TAGE** REMARKS DEPTH **FORMATION** DESCRIPTION DEPTH FEET CORED REC'D SAMPLES ETC. 0 - 6 Casing Overburden 6 - 35.2 Zone of chloritic argillite which includes heds and fragments of Chlorite grey quartzite. Quartzite up to 60% of the zone over short zone sections. Mineralization varies from rare to 5%, mainly pyrite. 17.9 - 35.2 Mainly chloritic argillite. Some breccia sections and grey quartzite. 55.2 - 47.5Ouartzite Dark grey and some reddish brown bods. Bodding at 65-70° to the core axis. Rusty broken zone, possibly faulting, 41.0 - 41.5 Broken altered section, rusty, possibly faulting. 46.5 - 47.0 5 -Dark orey quartite, beds locally 60° to the core Ouartzite 51.5

BIAMONE	DRILL	RECORD—CONTINUATION	SHEET
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D.D.H.	NO	<u>5-1</u>		·
SHEET		2	OF_	2

	DEPTH FEET	F'TAGE CORED	F'TAGE REC'D	FORMATION	DESCRIPTION	DEPTH	BED'G & FOLIA	REMARKS SAMPLES ETC.
						 		
						 		
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51.5	5 - 54.3	· · · · · · · · · · · · · · · · · · ·		Quartzite Breccia zone	Angular fragments up to 1/2 inch, in dark grey matrix.	-}	 	
			 	breccia zone	IBGLIA.		<u> </u>	
54.	1 - (1.2			Quartzite	Interhedded, Quartzite and siliceous greywacke normal hedding,			
			and	greywacke	breceisted over in From widths			
61.2	2 - 85 8			Reddish	Reddish brown, very fine grained, locally bedded at 65° to the core.			
·				Quartzite	Commonly brecciated. Minor disseminated pyrite except in more highly brecciated sections.		 	
			<u> </u>		brecciated sections.	_		
					72.8 - 73.1 Breccia zone.			
85.8	- 101			Limestone	Light grey, impure limestone. Interbedded with chloritic			
					argillareous heds and some narrow quartzite heds. Bedding at			
					45° to the core	+		•
							 	
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D.D.H. NO. S-2

SHEET

OF

PROPERTY Scadding Township - Ontario
LATITUDE 3+0.3N
LONGITUDE 5+62W
ELEVATION + 1 foot (relative to S-3,S-4)

BEARING—TRUE Vertical
DIP -90°
FINAL DEPTH 47 feet
CORE SIZE BQ

DATE STARTED October 19, 1973

DATE COMPLETED October 19, 1973

DRILLED BY Midwest

LOGGED BY P. C. McLean

DATE- November 14, 1973

SIGNED

BED'G DEPTH **F'TAGE F'TAGE REMARKS** FOLIA **FORMATION DESCRIPTION** DEPTH **FEET CORED** REC'D SAMPLES ETC. Casing 0 - 4 Overburden Dark green, some faint bedding at 45° to core, irregular inclusions of white quartite throughout. Chloritic 25.5 zone Local, disseminated sulphides. Reddish brown, bedding at 20° to core 25.5 - 35.9Ouartzite Dark grey, impure, locally brecciated with some pink fragments. 35.9 - 42.0Quartzite Reddish brown, locally brecciated. 42.0 - 47.0Ouartzite



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D.D.H. NO.

S-3

SHEET

1 OF 3

PROPERTY	Scadding Township - Ontario
LATITUDE	
LONGITUDE	5+62W
ELEVATION	0 Feet

BEARING -- TRUE 180°

DIP -45°

FINAL DEPTH 266 Feet

CORE SIZE BQ

DATE STARTED October 20, 1973

DATE COMPLETED October 21, 1973

DRILLED BY Nidwest

LOGGED BY P. C. NcLean

DATE: November 14, 1973

SIGNED

DEPTH FEET	F'TAGE CORED	F'TAGE REC'D	FORMATION	DESCRIPTION	DEPTH	BED'G & FOLIA	REMARKS SAMPLES ETC.
0 - 3			Overburden				
3.0 - 9.0			Red				
			Quartzite	Pink to reddish brown, fine grained.			
9.0 - 19.6			Grey				
			Quartzite	Dark grey impure, poorly hedded at 70° to core axis			
				14.6' Quartzite altered, crushed in appearance locally,			
				fair cubic pyrite.			
19.6 - 48.0			Reddish				
			Quartzite	Reddish to pink, locally brecciated, some py. throughout.			
				22.5 - 26.0 Sheared, possible fault.			
•				45.0 - 46.2 Brecciated pink quartzite, minor pyrite.			
18.0 - 62.0			Quartzite	Light to dark grey, some bedding at 60° to the core axis.		·	
				Some disseminated pyrite.			
				58.6 - 59.9 Breccia. Some py. Minor po. and chalco.			
52.0 - 69.0			Quartzite	Pale, pinkish grey in colour, altered in appearance.			
			 				
			<u> </u>				

D.D.H.	NO	
SHEET	2 OF 3	

Ouartzite Crushed and brecciated in appearance, some narrow chloritic sections in irregular patches. 75.0 - 78.5 Ouartzite Grey, relatively fresh, no sulphides. 78.5 - 103.5 Quartzite Breccia zone, crushed in appearance, some chloritic patches up to several inches. 93.5 - 208.8 Quartzite Dark grey, massive, some bedding at 80°-90° to the core axis bocally some disseminated by. Occasional crushed and altered sections. 93.5 - 208.8 Cushed, some cubic py. 144.8 - 146.0 Altered quartrite, some cubic py. 168.0 Bedding at 60° to the core. 178.5 - 179.0 Crushed section, cubical prrite. 194.9 - 195.3 Altered section, 101 cubic py. 201.0 Bedding at 45° to the core.	DEPTH FEET	F'TAGE CORED	F'TAGE REC'D	FORMATION	DESCRIPTION	DEPTH	BED'G & FOLIA	REMARKS SAMPLES ETC.
Quartzite Breccia zone, crushed in appearance, some chloritic patches up to several inches. Dark grey, massive, some bedding at 80°-90° to the core axis, locally some disseminated py. Occasional crushed and altered sections. 125.0 - 125.6 Crushed, some cubic py. 144.8 - 146.0 Altered quartzite, some cubic py. 168.0 Bedding at 60° to the core. 178.5 - 179.0 Crushed section, cubical pyrite. 194.9 - 195.3 Altered section, 10% cubic py. 202.0 Bedding at 45° to the core.	.0 - 75.0			Quartzite	Crushed and brecciated in appearance, some narrow chloritic sections in irregular patches.			
Up to several inches. 5 - 208.8 Quartzite Dark grey. massive. some bedding at 80°-90° to the core axis bocally some disseminated py. Occasional crushed and altered sections. 125.0 - 125.6 Crushed. some cubic py. 144.8 - 146.0 Altered quartzite, some cubic py. 168.0 Bedding at 60° to the core. 178.5 - 179.0 Crushed section, cubical pyrite. 194.9 - 195.3 Altered section, 10% cubic py.	.0 - 78.5			Quartzite	Grey, relatively fresh, no sulphides.			
Locally some disseminated py. Occasional crushed and altered sections. 125.0 - 125.6	<u>5 - 103.</u>	5		Quartzite	Breccia zone, crushed in appearance, some chloritic patches up to several inches.			
Locally some disseminated py. Occasional crushed and altered sections. 125.0 - 125.6								
sections. 125.0 - 125.6 Crushed, some cubic py. 144.8 - 146.0 Altered quartzite, some cubic py. 168.0 Bedding at 60° to the core. 178.5 - 179.0 Crushed section, cubical pyrite. 194.9 - 195.3 Altered section, 10% cubic py. 202.0 Bedding at 45° to the core.	5 - 208.	8		Quartzite	Dark grey, massive, some bedding at 80°-90° to the core axis			
144.8 - 146.0 Altered quartzite, some cubic py. 168.0 Bedding at 60° to the core. 178.5 - 179.0 Crushed section, cubical pyrite. 194.9 - 195.3 Altered section, 10% cubic py. 201.0 Bedding at 45° to the core.					sections.			
178.5 - 179.0 Crushed section, cubical pyrite. 194.9 - 195.3 Altered section, 10% cubic py. 201.0 Bedding at 45° to the core.								
201.0 Bedding at 45° to the core.			5					
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D.D.H. NO. <u>S-3</u>

JHEET <u>3</u> OF <u>3</u>

	DEPTH FEET	F'TAGE CORED	F'TAGE REC'D	FORMATION	DESCRIPTION	DEPTH	BED'G & FOLIA	REMARKS SAMPLES ETC.
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208	8 - 266	0		Limestone	Light grey, well hedded, locally narrow reddish hands, bedding at 60° to the core.			
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D.D.H. NO. SHEET S-4

1 OF 3

PROPERTY Scadding Township - Ontario
LATITUDE 3+78N
LONGITUDE 5+62W
ELEVATION 0 Feet

DATE STARTED October 21, 1973

DATE COMPLETED October 29, 1973

DRILLED BY Nidwest

LOGGED BY P. C. McLean, E. R. Craigie

DATE: October 29, 1973

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DEPTH FEET	F'TAGE CORED	F'TAGE REC'D	FORMATION	DESCRIPTION	DEPTH	BED'G & FOLIA	REMARKS SAMPLES ETC.
0 - 2			Overburden				
2 - 12			Red Quartzite	White to reddish in colour, fine grained 4.6 one inch quartz stringer			
12.0 - 21.7			Grey Quartzite	Dark grey, some hedding at 45° to core axis.			
.7-24.2			Red Quartzite	Pinkish coloured, very fine grained.			
. 2-54.7			Grey Quartzite	Some well bedded sections, bedding at 45° to the core axis, locally a little disseminated py.			
7-59.1			Quartzite	Light grey, very fine grained bed contains vein quartz and carbonate. Well mineralized with pyrite.			
1 -176.3			Grey Quartzite	Mostly dark grey with some light grey to pinkish beds.	65.0	30°	
				114.6'- 115.6 Brecciated, minor pyrrhotite	82.0'	30°	
				123.0' - 125.0 Brecciated, quartzite & chloritic fragments	103.0'	30° -45°	
3 - 180		-	Pinkish to Grey	Pink to grey, locally brecciated		50°	
			Quartzite		150	40°	

D.D.H.	NO	···		··············
SHEET	2	OF	3	

DEPTH FEET	F'TAGE CORED	F'TAGE REC'D	FORMATION	DESCRIPTION	DEPTH	BED'G & FOLIA	REMARKS SAMPLES ETC.
180 - 191			Grey Quartzite	Light grey, medium grained, foliated, hard and blocky.			
				181 - 183 Brecciated with pyrite, pyrrhotite, minor chlorite.			
				185 - 186 Very blocky. Sheared with slickensides.			
191 - 261			Dirty	Dark grey to greenish grey, medium to coarse grained, foliated,			
			Quartzite to Greywacke	poorly bedded to massive, composition quartz, chlorite, minor feldspars.	214	48°	
				193 - 194 Brecciated.			
				198 1/2 - 199 Sheared.			
				215 - 217 Brecciated, with minor pyrite.			
				220 - 222 Brecciated.			
				226 1/2 - 228 Brecciated, fragments up to 1 inch in diameter.			
	<u> </u>			244 - 2511/2 Breccia, light pinkish quartzite fragments up to	239	50°	
				one inch, greenish matrix. 1-5% pyrrhotite.			
				253 - 254 Brecciated.			*
290			Dirty Quartzite	light green to grey, 60-70% quartz, 30% feldspars			
			Quartzite			•	
				261 - 262 Breccia, minor pyrite, 2" fragments of pink quartzite and erecuish quartzite (?)			
				263 - 264 Breccia, 1% pyrrhotite.			
				280 - 282 Breccia, up to 50% pyrite between 281 1/2 - 282.			
				287 - 288 Shear zone. Fractures with slickensides			
				207 - 200 Onest 2010. Tractates with Streetistics			
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D.D.H. NO. S-4

SHEET _____3 OF __3

	DEPTH FEET	F'TAGE CORED	F'TAGE REC'D	FORMATION	DESCRIPTION	DEPTH	BED'G FOLIA	REMARKS SAMPLES ETC.
					288 - 290 Breccia, pink quartzite fragments			
2 90	- 341			Chlorite zone	Greywacke to argillite, light to dark green, medium to coarse grained, foliated, poorly hedded to massive, brecciated in part. Unit contains only minor pyrite mineralization.	302	35°	
		ļ		-	Unit contains only minor pyrite mineralization.	329	32°	
341	- 356			Quartzite	Light greenish to pink quartzite, poorly bedded to massive, hard, dense, medium to coarse grained. Brecciated in part.			
,					350 - 356 Brecciated.			
356	- 500			Limestone	Light grey to green, thinly and well bedded to nearly massive,	428	55°	
					dense, medium to coarse grained. Calcite composition is variable but up to 30%, quartz 40%, feldspars 10-30%, minor chlorite.	497	35°	
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GULF MINERALS COMPANY DIAMOND DRILL RECORD

D.D.H. NO. **S-5**

SHEET

OF 1

PROPERTY_ Scadding Township, Ontario 4+00N LATITUDE. LONGITUDE 6+50W ELEVATION +16 feet (relative to S-3,S-4)

BEARING-TRUE_ 180° -45° DIP_ 182' FINAL DEPTH_ BQ CORE SIZE_

DATE STARTED_ October 24, 1973 DATE COMPLETED_October 25, 1973 DRILLED BY_ Midwest E.R. Craigie LOGGED BY_

DATE: October 25, 1973

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DEPTH FEET	F'TAGE CORED	F'TAGE REC'D	FORMATION	DESCRIPTION	DEPTH	BED'G & FOLIA	REMARKS SAMPLES ETC
-4			Overburden				
4-45 1/2			Quartzite	Pink, massive hard and dense. Contains minor zones of fracturing			
				with chloritic material. Interval is very blocky. Chloritic fracture zones contain some pyrite.			
				Zones contain some pyrite.	 		
				37'4" - 45'6" Chloritic breccia zone with up to 5% pyrite			
1/2-			Quartzite	Light grey, weakly bedded to massive, foliated, coarse to medium	48	45°	
182		 		grained; composition varies from clean quartzite to meta-greywacke.	115	60°	
				calcareous in part, increasing to base: minor pyrice - disseminated	153	_75°	
				and as coating on fracture surfaces.			
			·	51.5 - 53 very blocky, fracture surfaces with talkose slickensides:			
			,	fracturing parallel to core axis.			
				55 - 56 weakly brecciated with some pyrite			
				61.5 - 63 Breccia zone, chloritic with pyrite			
				63 - 82.5 Blocky, slickensides on fracture surfaces, many fractures		· .	
				parallel to core axis.	<u> </u>		
				86-87 Light grey, massive quartzite, with rhombohedrons of			
				carbonate (1/8 to 1/4 inch xstals)	ļ		
				93 1/2 - 103 Blocky zone, fractures with slickensides. Most fractures			
				nearly parallel to the core axis.	ļ		
		<u></u>		103 - 106 Breccia zone, with minor pyrite and pyrrhotite.			
			 	152 - 152 1/2 Very blocky, slickensides on fractures.	 		
				157 - 157 1/2 Very block, as above.	 		
				171 - 173 1/2 Blocky, as above.	 		
				END OF HOLE			

GULF MINERALS COMPANY

DIAMOND DRILL RECORD

D.D.H. NO. S-6 SHEET

1 C

OF 1

PROPERTY SCADDING TOWNSHIP, Ontario
LATITUDE 7+50W
LONGITUDE 4+00N
ELEVATION +15 feet (relative to S-3, S-4)

BEARING—TRUE 180°
DIP -45°
FINAL DEPTH 188 feet
CORE SIZE BQ

DATE STARTED October 25, 1973

DATE COMPLETED October 26, 1973

DRILLED BY Midwest

LOGGED BY E. R. Craigie

DATE: October 26, 1973

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DEPTH FEET	F'TAGE CORED	F'TAGE REC'D	FORMATION	DESCRIPTION	DEPTH	BED'G & FOLIA	REMARKS SAMPLES ETC.
-10		•	Overburden				
10-56				c: Light grey, medium grained, hard, dense, foliated, poorly hedded			
				to massive. Interval blocky. Minor pyrite mineralization in			
				some zones (less than 1%).			
				10 - 26 Very blocky. Some slickensides on fractures, many			
				fractures parallel to core axis.			
6-80 1/			Quartzite:	Light pink to white quartzite with green chlorite in fractures.			
			brecca	Some pyrite associated with the chlorite (up to 5%). A relatively			
			·	hard, dense unit.			
	,		Grey				
- 80 1/2 ∙ - 188		· · · · · · · · · · · · · · · · · · ·	Quartzite:	Light grey, medium grained, hard, dense, foliated. Bedded to	39	87°	
				massive: generally blocky throughout, some zones with pyrite.			
<u></u>				Calcareous in part, increasing to base.	97	55°	
			,	81 1/2 - 82 1/2 Blocky, fractures with slickensides	142	35°	
				97 - 98 Rrecciated, very minor chlorite (less than 1%)			
				109 - 111 Very blocky, slickensides, some fractures parallel	T		•
				to core axis.			
				121 - 122 Brecciated with 1% pyrite.			
				130 - 134 Very blocky, fractures with slickensides.			
				152 - 166 Quartzite with breccia zones containing up to 20% pyrite.			
				Breccia is chloritic. Fragments are up to 1/2 inch in diameter.			
				174 - 175 Breccia, chloritic with pyrite.			
				181 - 188 Blocky.			
				<u> </u>	 		
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Gulf Minerals Canada Limited DIAMOND DRILL RECORD

D.D.H. NO. SHEET

OF

SCADDING TOWNSHIP, Ontario PROPERTY. LATITUDE_ 4+00N LONGITUDE_ ELEVATION_ 7+50W 15 feet (relative to S-3,S-4) BEARING-TRUE 180° DIP_ -32° FINAL DEPTH_ 157 feet CORE SIZE_ BQ

DATE STARTED October 26, 1973
DATE COMPLETED October 27, 1973 DRILLED BY____LOGGED BY__ Midwest E. R. Craigie

SIGNED Eni R. C DATE: October 28, 1973

DEPTH FEET	F'TAGE CORED	F'TAGE REC'D	FORMATION	DESCRIPTION	DEPTH	BED'G & FOLIA	REMARKS SAMPLES ETC
)-14			Overburden				
4-157			Grey Quartzite:	Light grey, hedded to massive, medium to coarse grained, foliated; composition - quartz grains with variable chlorite, pyrite and	34'	85°	
				pyrrhotite. Calcarcous in part, increasing to base. Interval is blocky and sheared throughout.	81	69°	
				14-44 Very blocky, fractures with slickensides, shearing at 27-30, 33-34, 38-40.			
				44 1/2 - 50. Brecciated, fragments 1/4 to 1/2 inch, about 2% pyrite, chloritic in part.			
		:		53 - 56. Blocky, fractures with slickensides, about 2% pyrite and chalcopyrite (minor)			
				56 - 73 Light grey quartzite, brecciated and sheared, shearing intense at 60-70. Fractures with slickensides.			
			<u> </u>	85 - 88. Blocky. Fractures with slickensides.			
				90 - 92. Breccia. Up to 2% pyrite and pyrrhotite.			
				107 128. Brecciated and sheared, 10-15% pyrite.			
_				145 - 149. Sheared. 149 - 150. Heavy pyrite, up to 50% of core. 156 - 157. Sheared.			



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D.D.H. NO.

S-3

SHEET

CF 1

PROPERTY Scadding Township - Ontario
LATITUDE 3+SSN
LONGITUDE 3+OON
ELEVATION -39 ft. (relative to S-3,S-4)

BEARING—TRUE 180°

DIP -45°

FINAL DEPTH 134 feet

CORE SIZE BQ

DATE STARTED October 30, 1973

DATE COMPLETED October 31, 1973

DR!LLED BY Midwest

LOGGED BY E.R. Craigie

DATE: October 31, 1973

SIGNED Eni P. C

DEPTH FEET	F'TAGE CORED	F'TAGE REC'D	FORMATION	DESCRIPTION	DEPTH	BED'G & FOLIA	REMARKS . SAMPLES ETC.
^.=12			Overburden				
12-62			Grey Quartzite	light grey, poorly bedded to massive, dense, foliated, redium to coarse grained.composition: 80% quartz; minor feldspar, chlorite	28'	60°	
				12- 21 Light pink to reddish, dense, massive 46 - 48 Brecciated, minor pyrite, chlorite			· ·
52 - 87			Chloritic zone	Dark green, massive, very chloritic. Some zones with pyrite pyrrhotite and chalcopyrite.	77!	40°	
				81 - 85 Well bedded and siliceous	83'	76°	
87 - -92-1/2			-Red-Quartzite	Light red to grey quartaite, well bedded, hard, dense. Gradational into limestone			
92 1/2- 154			Limestone	Light grey, well hedded, medium to coarse grained, foliated.	961	68°	
			· · · · · · · · · · · · · · · · · · ·	124 1/2 - 125 1/2 Sheared, with 20% pyrite.			
		+					



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	-	47.1	* **		
D.	D.	H.	NO.	S-	-9

SHEET

OF

OF 2

PROPERTY Scadding Township - Ontario
LATITUDE 3+55N
LONGITUDE 3+00W
ELEVATION -39 ft. (relative to S-3,S-4)

BEARING—TRUE 180°

DIP ________
FINAL DEPTH 190 feet

CORE SIZE BQ

DATE STARTED October 31, 1973
DATE COMPLETED November 1, 1973
FRILLED BY Midwest
LOGGED BY E. R. Craigie

1

DATE: November 1, 1973

SIGNED En K. Crury

DEPTH FEET	F'TAGE CORED	F'TAGE REC'D	FORMATION	DESCRIPTION	DEPTH	BED'G & FOLIA	REMARKS SAMPLES ETC
0-10			Overburden				
10 - 53 1/2			Grey Quartzite	Light grey, hard, dense, massive, medium grained, foliated.	35'	47°	
3 1/2 62 1/2			Chloritic	Dark green, massive, dense, 1% sulphides (py., Po.) 56 1/2 - 57 75% pyrite, vuggy.			
2 1/2	-		Grey				
96			Quartzite	light grey, poorly bedded to massive, generally as above quartzite unit. Contains variable pyrite.	83'	_55°	
				70 - 73 Chloritic, up to 5% sulphides.			
				86 - 96 Brecciated in part, up to 20% pyrite.			
96 - 122			Dirty Ouartzite	Dark grey, massive, hard, dense, with minor pyrite (up to 2%)		•	
			Quarte	103 - 105 Blocky, fractures with slickensides.			
<u>22 -</u> 144			Chloritic zone	Light grey to dark green, massive, siliceous in part. Pyrite, pyrrhotite, chalcopyrite up to 40% in some zones.	124'	55°	
				122 - 123 1/2 Strongly chloritic, 1% sulphides.	143'	_65°	
	·						

₹ D.D.H.	NO	_S-9			
** * 1 *		*			
CHEET		2	OF	2	

DEPTH FEET	FTAGE CORED	F'TAGE REC'D	FORMATION	DESCRIPTION	DEPTH	BED'G & FOLIA	REMARKS SAMPLES ETC.
144 - 148			Dirty		 		
			Quartzite	Dark grey, dirty quartzite.			
148 - 175			Reddish	Light grey to reddish, hard, dense, breccaited in part.	1		
			Quartzite	Sulphides up to 2% of unit.			
				150 - 155 Brecciated.			
				162 - 165 Brecciated.			
175 -			Breccia	Quartzite fragments up to several inches in a fine grained quartzite			
188 1/2				matrix. Possible regolith overlying limestone unit.			
188_1/2 -			Limestone	Light grey, well bedded, foliated.			
190			Limestone	Light grey, well bedded, forfaces.			
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D.D.H. NO. S-10 SHEET

OF 2

PROPERTY Scadding Township - Ontario
LATITUDE 4+00W
LONGITUDE 3+55N
ELEVATION -16 1/2' (relative to S-3, S-4)

BEARING—TRUE 180°

DIP -45°

FINAL DEPTH 153 feet

CORE SIZE BQ

DATE STARTED November 1, 1973

DATE COMPLETED November 2, 1973

DRILLED BY Midwest

LOGGED BY E. R. Craigie

DATE: November 2, 1973

SIGNED En R. Come

ŧ÷	DEPTH FEET	F'TAGE CORED	F'TAGE REC'D	FORMATION	DESCRIPTION	DEPTH	BED'G & FOLIA	REMARKS SAMPLES ETC.
v	- 5 1.2			Overburden		 		
5	1/2 - 21			Grey Quartzite	Light grey to reddish, dense, brecciated and sheared throughout. Fragments up to several inches in diameter. Some fractures are rusty. Pyrite occurs throughout (1 - 10%)			
21	- 40			Chloritic zone	Light grey to green, dense, massive, siliceous in most zones. Sulphides (py., po., chalco) variable from 1 - 5%.	221	_45°	
					23 - 33 1/2 Hard, dense, very siliceous, about 5% po.			
-					33 1/2 - 38 Chloritic, massive pyrrhotite.			
40	- 54 1/2			Grey Quartzite	Light grey to reddish, hard, dense, massive, brecciated in part with I - 5% sulphides (pyrite).			
				· · · · · · · · · · · · · · · · · · ·	44 - 53 Brecciated fragments up to several inches, rusty and slightly chloritic at 48 - 48 1/2.			
54	1/2 - 99			Chloritic zone	Light to dark green, massive to bedded, foliated, dense, medium to fine grained. Composition is variable from mainly chloritic to	56'	62°	
			-		siliceous. Pyrite (py.) pyrrhotite (po.) and chalcopyrite (chalco.) occur in variable amounts throughout.	76' 89'	58° 60°	

D.D.H. NO. <u>S-10</u>
SHEET <u>2</u> OF <u>2</u>

DEPTH FEET	F'TAGE CORED	F'TAGE REC'D	FORMATION	DESCRIPTION	DEPTH	BED'G & FOLIA	REMARKS SAMPLES ETC
				54 1/2 - 63 Siliceous, sulphides 1-2%, hard, dense.			
				63 - 66 Chloritic, quartz veinlets, massive sulphides,			
				66 - 75 1/2 Chloritic, sulphides about 1-2%.			
				75 1/2 - 78 Chloritic, 5% sulphides, quartz veinlets.			
				78 - 83 Chloritic, sulphides 1-5%			
				83 - 87 Chloritic, minor sulphides.			
				87 - 90 Weakly chloritic, siliceous, bedded.			
				90 - 94 Blocky, rusty, weakly chloritic.			
<u> </u>				94 - 99 Silicanus and weakly chloritic.			
9 - 153			Limestone	Light grey, bedded, foliated, medium grained, dense, limey to	136'	64°	
				siliceous beds, calcite variable from 10-30%, minor chlorite.			
				98 1/2 - 99 1/2 Sheared.			
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D.D.H: NO.

S-11

SHEET

1 OF 2

PROPERTY SCADDING TOWNSHIP - Ontario

LATITUDE 3+55N

LONGITUDE 4+00W

ELEVATION - 16 1/2 feet (relative to Holes S-3, S-4)

BEARING - TRUE Vertical

DIP -90°

FINAL DEPTH 295 feet

CORE SIZE BQ

DATE STARTED November 2, 1973

DATE COMPLETED November 4, 1973

DRILLED BY Midwest

LOGGED BY E. R. Craigie

DATE: November 4, 1973

SIGNED Cink. Comqu

DEPTH FEET	F'TAGE CORED	F'TAGE REC'D	FORMATION	DESCRIPTION	DEPTH	BED'G & FOLIA	REMARYS SAMPLES ETC.
0 - 4			Overburden				
- 278 1/	2		Grey Quartzite	Light to dark grey, massive to poorly hedded, hard, dense, foliated, medium to coarse grained. Composition 70-95% quartz grains, minor			
				feldspars and chlorite. Pyrite and pyrrhotite occur in some zones up to 20%. Unit is blocky and sheared throughout.			
				4 - 94 Light grey to reddish, hard, dense, massive, brecciated in part.			
				17 - 19.5 Minor pyrite (less than 1%)			
				34 - 38 5% pyrite, sheared.			
				64 - 65 Sheared.			
				77.5 - 79 Up to 30% pyrite 94 - 278.5 Medium to dark grey quartzite. Hard, massive to poorly			
				bedded. Brecciated and sheared throughout.			
				94 - 97 Sheared and blocky.		•	
				100 - 112 1-5% pyrite, blocky and sheared. 133 - 138 Blocky and sheared. Some fractures. Parallel	116	30°	
				to the core axis.			

D.D.H. NO. <u>S-11</u>
SHEET <u>2</u> OF <u>2</u>

DEPTH FEET	F'TAGE CORED	F'TAGE REC'D	FORMATION	DESCRIPTION	DEPTH	BED'G & FOLIA	REMARKS SAMPLES ETC
				149 - 152 Brecciated			
				152 - 163 Very blocky, sheared; fractures with slickensides, parallel to core axis.			
				190 - 203 Blocky, sheared.			
				212 - 213 Blocky, sheared.	212	55°	
				215 - 216 Blocky, sheared.			
				244.5 - 247 Blocky, sheared.			,
				250 - 251 Blocky, sheared.			
				273 - 274 Blocky, sheared.			
				259 - 261 20% pyrite.			
5 - 295			Limestone	Light grey, well bedded, generally hard. Composition - quartz 50 - 80%, calcite 1-20%, feldspars 5-20%, minor chlorite.	288	35°	
				SU - SUS, CATCILE 1-20%, TERUSPATS S-20%, MINIOT CHIOTICE.			
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D.D.H. NO.

SHEET

S-12

1 OF

PROPERTY Scadding Township - Ontario
LATITUDE 2+90N
LONGITUDE 2+00W
ELEVATION -42 feet (relative to S-3,S-4)

BEARING—TRUE 180°

DIP -45°

FINAL DEPTH 111 feet

CORE SIZE BQ

DATE STARTED November 4, 1973

DATE COMPLETED November 5, 1973

DRILLED BY Midwest

LOGGED BY E. R. Craigie

DATE: November 5, 1973

SIGNED Eri K. Conqu

DEPTH FEET	F'TAGE CORED	F'TAGE REC'D	FORMATION	DESCRIPTION	DEPTH	BED'G & FOLIA	REMARKS SAMPLES ETC.
υ <u>- 6</u>			Overburden				
6 - 49			Quartzite	'Light to dark grey, massive to poorly hedded, medium to coarse grained, foliated, hard, dense. Quartz up to 90% of unit	41'	48°	
				chlorite and feldspars variable - 10 to 30%.			
				25 - 39 Dark grey dirty quartzite to greywacke, minor pyrite at 36 - 37 feet.			
49 - 111			Limestone	Light grey, well hedded, medium to coarse grained, foliated. Calcite and "quartzitic" interbeds. Generally hard and dense.	85'	55°	
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D.D.H. NO. SHEET

S-13

1 OF 2

PROPERTY Scadding Township - Ontario
LATITUDE 3+75N
LONGITUDE 2+00W
ELEVATION -50 feet (relative to S-3, S-4)

DATE STARTED November 5, 1973

DATE COMPLETED November 7, 1973

DRILLED BY Midwest

LOGGED BY E. R. Craigie

DATE: November 7, 1973

SIGNED Ein R. Canqu

	TAGE EC'D	FORMATION	DESCRIPTION	DEPTH	BED'G & FOLIA	REMARKS SAMPLES ETC.
- 8		Overburden				
91		Grey Quartzite	Light to dark grey, hard, dense. Massive to poorly hedded, medium to coarse grained, foliated. Composition: 70-90% quartz, minor chlorite and feldspar. Sulphides less than 1%.			·
			19 - 19.5 Sheared, blocky.			
			23.5 - 24.5 Sheared, blocky.			
			32 - 41 Light grey to pink quartzite, brecciated.			
			49 - 50 Sheared and blocky.			
			52 ~ 52.5 Brecciated, minor chlorite.			
			61 - 64 Blocky, sheared.			
			70 - 73 Blocky, sheared.			
			83 - 84 Blocky, sheared, fractures parallel to core axis.			
			87 - 91 Blocky, sheared, two feet of lost core.			
1 - 111		Chloritic zone	Light to dark green, massive to poorly bedded, brecciated throughout.			
			94 - 96 50% vuggy pyrite, brecciated.			

D.D.H. NO. S-13
SHEET 2 OF 2

	DEPTH FTAGE FTAGE FORMATION		FORMATION	,	DEPTH	BED'G & FOLIA	REMARKS SAMPLES ETC.	
				101 1/2 - 105 Breccia, 1" fragments of quartzite and chlorite.				
127.	5		Dirty Quartzit to Greywacke	e Dark grey, massive, hard and dense.				
				114.5 - 115.5 Sheared.				
				120 - 120.5 Sheared.				
5 - 19	2		Limestone	Light grey to greenish, well bedded, dense, composition - 60% quartz, 5-20% calcite. Minor feldspars and chlorite.	135'	80°		
		· · · · · ·						
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DRILLING SUPPLARY

- (1) Diameter of core: AQ, 1-1/16 inches
- (2) Owner/Operator of Drill Rig: Hosking Diamond Drilling 20 Tardif Street Rouyn, Quebec
- (3) Core Storage: at Gulf Minerals warehouse Toronto
- (4) Total Footage: 3,774 feet
- (5) Total days of Assessment Work: 3,735 days
 (1903 days are being reported)
- (6) Work Assignment:

 Claim No. 5.346915 1550 days.

 Claim No. 5.359360 21 days.

SUDBURY PROJECT - SCADDING TOWNSHIP DRILL PROGRAM

HOLE NO.	DIP	BEARING	DATE STARTED	DATE COMPLETE	LENGTH	DAYS OF ASSESSMENT WORK
S-14	-45°	180°	Aug. 10/74	Aug. 11/74	194'	194
S-15	-90°	•	Aug. 11/74	Aug. 12/74	187'	187
S-16	-90°	· -	Aug. 15/74	Aug. 20/74	3381	338
S-17	-90°	-	Aug. 22/74	Aug. 22/74	52'	13
S-18	-90°	-	Aug. 25/74	Aug. 26/74	1921	192
S-19	-90°	-	Aug. 27/74	Aug. 28/74	2181	213
S-20	-90°	-	Sept. 3/74	Sept. 5/74	223	223
S-21	-90°	-	Sept. 6/74	Sept. 7/74	177'	177
S-22	-90°	-	Sept. 9/74	Sept. 10/74	272	272
S-23	-45°	. 0.	Sept. 11/74	Sept. 12/74	111'	111
S-24	-45°	0°	Sept. 17/74	Sept. 18/74	2201	220
S-25	-60°	0°	Sept. 21/74	Sept. 22/74	1901	190
S-26	-75°	0°	Sept. 22/74	Sept. 24/74	201'	201
S-27	-45°	0°	Sept. 25/74	Sept. 25/74	2011	201
S-28	-30°	270°	Sept. 26/74	Oct. 4/74	2081	208
S-29	-45°	270°	Oct. 6/74	Oct. 7/74	117'	117
S-30	-60°	0°	Oct. 9/74	Oct. 10/74	1841	184
S-31	-60°	0°	Oct. 16/74	Oct. 17/74	205 '	205
S-32	-45°	0°	Oct. 18/74	Oct. 18/74	106'	106
S-33	-90°	-	Oct. 18/74	Oct. 19/74	178'	178

TOTAL DAYS OF ASSESSMENT WORK - 3,735 (1903 days being reported)

GULF MINERALS CUMPANT DIAMOND DRILL RECORD

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PROPERTY	SCADDING	TOWNSHIP	-	SUDBURY	PROJECT
LATITUDE	1+40%				_
LONGITUDE	2+901				<u>-</u>
FIFVATION	28'				-

EARII	NG-TRU	JE180°	
IP			
INAL	DEPTH_	194.5 ft.	
ORE	SIZE	AQ	

DATE STARTED August 10. 1974

DATE COMPLETED August 11. 1974

DRILLED BY Hosking Drilling

COCCED BY E. R. Craigie

SIGNED_Eric R. Craigie DATE: August 12, 1974 T RED'C T

DEPTH FEET	F'TAGE CORED	F'TAGE REC'D	FORMATION	DESCRIPTION	DEPTH	BED'G & FOLIA	:EMARKS SAMPLES ETC.
0 - 22			Overburden				
22 -			Espanola	Interhedded limestone and granuscke. Light to medium STCV.			
40 1/2			ESpanora	Interhedded limestone and greywacke. Light to medium grey, generally hard, dense. Contact with lower quartite unit occurs,			Bedding angle about 90°
				at 40.5 ft. and is a brecciated fault zone.			to core axis, minor
	٠.						folds common
40 1/2 -			Fault	Breccia zone			
12							
42 -							*
107 1/2		<u> </u>	Serpent	Quartzite. Light to dark grey with some pinkish zones. Blocky			
		-		throughout. Medium grained, hard, massive to poorly headed.			•
		· · · · · ·		50 - 55 Greywacke beds.			
				78 - 79 Massive py. to 75% of core 90 - 107 Py. mineralization, up to 15% of core in irregular			
				90 - 107 Py. mineralization, up to 15% of core in irregular intervals.			
				106 - 107 1/2 Breccia zone, contains up to 25% py, and po		 	
				100 - 107 172 brocers contains up to 234 by. And po			
107 1/2 -		-	Espanola	Interbedded limestone and greywacke beds, similar to above unit.	1421	60°	Bedding angle
194 1/2				115 - 125 Magnetite beds comprise up to 30% of the core			,
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GULF MINERALS COMPANY DIAMOND DRILL RECORD

D.D.H. NO. S-15 SHEET

1 OF 1

SCADDING TOWNSHIP - SUDBURY PROJECT PROPERTY_ 1+45N LATITUDE_

2+90W

28'

LONGITUDE_

ELEVATION_

CORE SIZE_

BEARING-TRUE 180° DIP___ -90° FINAL DEPTH_ 187 ft. AQ

DATE STARTED_ August 11, 1974 DATE COMPLETED - August 12, 1974 Hosking Drilling DRILLED BY_ E. R. Craigie LOGGED BY___

SIGNED Eric R. Craigie August 14, 1974 DATE:_

DEPTH FEET	F'TAGE CORED	F'TAGE REC'D	FORMATION	DESCRIPTION	DEPTH	BED'G & FOLIA	REMARKS SAMPLES ETC.
0 - 12			Overburden				
12 - 1	55		Espanola	Limestone, light grey, strongly to poorly bedded, medium grained, foliated, dense. Composition varies from greywacke to limestone; calcite 5 - 40%, biotite 0 - 20%, quartz 25 - 50%, some feldspars.			
				12 - 12-1/2 2 inch wide breccia zone. 48 - 48-1/2 Breccia zone			Beds occur at an angle of 60° to core axis
135 - 147			Fault	Brecciated and sheared. Fragments of pinkish quartzite and grey limestone. Fractures show slickensided surfaces. Interval contains up to 10% py.			
147 - 168			Serpent	Pink to reddish quartzite, Hard, dense, "cherty". Brecciated throughout with light green chlorite in breccia matrix.			Very fine grained
168 - 137			Espanola	Limestone. Dark grey, massive to poorly bedded, medium grained, similar to upper unit.			Beds are folded from angles between 0° and
				171 - 185 Interval contains 5 - 10% py, and up to 50% magnetite in some beds.			30° to core axis

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DIAMOND DRILL RECORD

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1 OF 1

PROPERTY SCADDING TOWNSHIP - SUDBURY PROJECT
LATITUDE 3+10N
LONGITUDE 7+40W
ELEVATION 72'

BEARING-T	RUE	pec	<u>1</u>	
DIP	90°			
FINAL DEPTH	ł	338	ft.	
CORE SIZE	AQ			

DATE STARTED	August	15, 1974	
DATE COMPLETED	August	20, 1974	
DRILLED BY	Hosking	Drilling	
LOGGED BY	E. R. Cr	aigie	

DATE: August 18, 1975 SIGNED Eric R. Craigie

DEPTH FEET	F'TAGE CORED	F'TAGE REC'D	FORMATION	DESCRIPTION	DEPTH	BED'G & FOLIA	REMARKS • SAMPLES ETC.
0 - 4			Overburden				
4 -			Serpent	Quartzite, light to medium grey, medium to fine grained, hard, dense,			
235				poorly bedded to massive. Blocky throughout interval with some			
				brecciated zones. Contains minor py. and po.			
	٠.			20 - 21 Rusty, slickensided fracture zone	,		
				27 - 30 Slickensided, blocky	32	45°	Bedding angle
				64 - 65 Brecciated			
				68 - 69, 87 - 88 Brecciated with slickensides on fracture			
	•			surfaces.			
				88-1/2 - 94 Breccia zone, pink to light grey quartzite			•
				fragments. 93 - 93-1/2 contains up to 25% py.			
				in chloritized breccia.			
		l		129 - 130 Brecciated			
				136 - 139, 152 - 159 Greywacke beds, blocky			
235 -			Serpent	Greywacke. Dark grey, medium to fine grained, massive to poorly			
239				bedded.			
230 -			Serpent	Quartzite, medium grey	241	20°	Bedding angle
23 <u>9 -</u> 251						"	0000118 2.1815
251 -			Serpent	Greywacke. Similar to upper unit			
274 274 -							
				•			
25-1/2			Serpent	Quartzite. Grey to greenish grey. Brecciated in part. Contact with			•
			'	lower limestone unit is a breccia zone.			
25-1/2			Espanola	Limestone. Nottled dark and light grey, poorly bedded, medium grained,	·		
538				foliated, dense. Composition varies - up to 30% calcite, 5 - 15%	333	15°	Bedding angle
•				biotite, 40 - 60% quartz, some feldspar.			
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GULF MINERALS CUMPANY DIAMOND DRILL RECORD .

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CHEET	11	

1 OF

PROPERTY_	SCADDING	TONNSHIP	-	SUDBURY	PROJECT
	3+40N				
LONGITUDE	8+20W				_
ELEVATION					

BEARI	NG-TRUE	180°	
DID	-9	0°	
FINAL	DEPTH	52 ft.	
CORE		AO	

DATE STARTED August 22, 1974

DATE COMPLETED August 22, 1974

DRILLED BY Hosking Drilling

LOGGED BY E. R. Craigie Hosking Drilling

SIGNED Eric R. Craigie

DEPTH FEET	F'TAGE CORED	F'TAGE REC'D	FORMATION	DESCRIPTION	DEPTH	BED'G & FOLIA	REMARKS SAMPLES ETC.
0 - 4			Overburden				
4 - 52			Serpent	Quartzite, Light grey, very blocky, fine grained, dense. Poorly bedded to massive.	20	42°	Bedding angle
<u> </u>							
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GULF MINERALS COMPANY DIAMOND DRILL RECORD

D.D.H. NO. S-18

SHEET

1 OF 1

PROPERTY SCADDING TOWNSHIP - SUDBURY PROJECT LATITUDE 2+60N :

LONGITUDE 7+40W ELEVATION 58'

BEARING—TRUE DIP -90°
FINAL DEPTH 192 ft.
CORE SIZE AQ

DATE STARTED August 25, 1974

DATE COMPLETED August 26, 1974

DRITTED BY Hosking Drilling

LOGGED BY E. R. Craigie

DATE: July 24, 1975 SIGNED Eric R. Craigie

F'TAGE CORED	F'TAGE REC'D	FORMATION	DESCRIPTION	DEPTH	BED'G & FOLIA	REMARKS SAMPLES ETC.
		Overburden				
		Serpent	Chloritic zone. Dark green, contains about 80% chlorite, 10% grey vein quartz, 1% pyrite.			
· .		Serpent	Quartzite. Light pink to reddish coloured. Contains 10 - 15% chlorite, 5% vein quartz, minor po., py.			In chloritic zones the intervals of strongest sulphide mineralization have vuggy texture
		Serpent	Chloritic zone. Similar to upper unit. About 75% chlorite, 10% po. and py., minor arsenopyrite.			
		Serpent	Quartzite. Light grey. Contains 5 - 10% chlorite. 25 - 29 Vuggy texture with up to 15% sulphides.			
		Serpent	Chloritic zone. Similar to upper units. About 70% chlorite, 5 - 30% py. and po. Some grey vein quartz.			
		Serpent	Quartzite. Light grey, medium to fine grained, massive to poorly bedded, hard, dense, brecciated and sheared in some intervals. 39 - 43 Up to 10% chlorite, some py, and po, especially at 42'	55	40°	Redding angle
		Serpent	Greywacke. Dark grey, fine grained, dense, massive.			
		Serpent	Quartzite. Medium grey. 133 - 142 contains some py., po.			
		Serpent	Chloritic quartzite. Light to greenish grey, chlorite to 20%.			
		Serpent	Quartzite. Pink to reddish "cherty" quartzite, hard, dense, massive, fine grained. 167 - 177 Contains rhombohed as of iron carbonate.			
	CORED	CORED REC'D	CORED REC'D FORMATION Overburden Serpent	Overburden Serpent Chloritic zone. Dark green, contains about 80% chlorite, 10% grey vein quartz, 1% pyrite. Serpent Quartzite. Light pink to reddish coloured. Contains 10 - 15% chlorite, 5% vein quartz, minor po., py. Serpent Chloritic zone. Similar to upper unit. About 75% chlorite, 10% po. and py., minor arsenopyrite. Serpent Quartzite. Light grey. Contains 5 - 10% chlorite. 25 - 29 Vuggy texture with up to 15% sulphides. Serpent Chloritic zone. Similar to upper units. About 70% chlorite, 25 - 30% py. and po. Some grey vein quartz. Serpent Chloritic zone. Similar to upper units. About 70% chlorite, 5 - 30% py. and po. Some grey vein quartz. Serpent Quartzite. Light grey. medium to fine grained, massive to poorly bedded, hard, dense, breceiated and sheared in some intervals. 39 - 43	Overburden Serpent Chloritic zone. Dark green, contains about 80% chlorite, 10% grey vein quartz, 1% pyrite. Serpent Quartzite, Light pink to reddish coloured. Contains 10 - 15% chlorite, 5% vein quartz, minor po., py. Serpent Chloritic zone. Similar to upper unit. About 75% chlorite, 10% po. and py., minor arsenopyrite. Serpent Quartzite. Light grey. Contains 5 - 10% chlorite. 25 - 20 Vuggy texture with up to 15% sulphides. Serpent Chloritic zone. Similar to upper units. About 70% chlorite, 5 - 30% py. and po. Some grey vein quartz. Serpent Quartzite. Light grey, medium to fine grained, massive to poorly bedded, hard, dense, breecfated and sheared in some intervals. Serpent Greywacke, Dark grey, fine grained, dense, massive. Serpent Quartzite, Medium grey. 133 - 142 contains some py., po. Serpent Chloritic quartzite. Light to greenish grey, chlorite to 20%.	Overburden Serpent Chloritic zone. Bark green, contains about 803 chlorite, 103 grey vein quartz, 13 pyrite. Serpent Chloritic zone. Bark green, contains about 803 chlorite, 103 grey vein quartz, 13 pyrite. Serpent Quartzite, Light pink to reddish coloured. Contains 10 - 153 chlorite, 53 vein quartz, minor po., py. Serpent Chloritic zone. Similar to upper unit. About 753 chlorite, 103 po. and py., minor arsenepyrite. Serpent Quartzite, Light grey. Contains 5 - 103 chlorite. 25 - 29 Vuggy texture with up to 153 sulphides. Serpent Chloritic zone. Similar to upper units. About 703 chlorite, 5 - 303 py. and po. Some grey vein quartz. Serpent Chloritic zone. Similar to upper units. About 703 chlorite, 5 - 303 py. and po. Some grey vein quartz. Serpent Quartzite, Light grey, medium to fine grained, massive to poorly bedded, hard, dense, brecciated and sheared in some intervals. 55 40° Serpent Greywacke, Dark grey, fine grained, dense, massive. Serpent Greywacke, Dark grey, fine grained, dense, massive. Serpent Chloritic quartzite. Light to greenish grey, chlorite to 203. Serpent Ouartzite, Pink to reddish "cherty" quartzite, hard, dense, massive.

GULF MINERALS COMPANY DIAMOND DRILL RECORD

D.D.H: NO. S-19			
SHEET	1	OF 1	

PROPERTY	SCADDING	TOWNSHIP	-	SUDBURY	PROJECT
LATITUDE	2+10%				
LONGITUDE	7+37W				
ELEVATION_	52'				

BEARING-TR	UE 180°	
DIP		
FINAL DEPTH		
CORE SIZE	10	

DATE STARTED August 27, 1974	_
DATE COMPLETED August 28, 1974	
DRILLED BY Hosking Drilling	
LOGGED BY E. R. Craigie	

DATE: July 24, 1975 SIGNED Eric R. Craigie

DEPTH FEET	F'TAGE CORED	F'TAGE REC'Ū	FORMATION	DESCRIPTION	DEPTH	BED'G & FOLIA	REMARKS SAMPLES ETC.
) - 6			Overburden				
- 161			Serpent				
			Serpent	Quartzite. Light grey, medium to fine grained, massive to poorly bedded, hard, dense, brecciated throughout in irregular intervals.	- 		
				Contact with lower limestone unit is a breccia.			
		i		21-1/2 - 22, 41 - 42, 45 - 46, 49 - 50 breccia zones, usually			
				with py.			
				71 - 78 Fractured zone, up to 25% py, in light green			
				chloritic matrix			
				120 - 172 Fractured zone. Light green chlorite. 10 - 20% py.			•
				and po.			
	 			148 - 161 Brecciated quartzite and greywacke. 5% py.			
171			F				
161 - 218	 -		Espanola	Limestone. Light to dark greenish grey. Medium to fine grained,			
210	 			dense, poorly hedded. Calcite varies from 0 = 30%, quartz 40 = 60¢, chlorite 5 = 20%.			
	 			163 - 184 Rock contains 5 -30% py, and magnetite in some beds.	190	30°-40°	Bedding angle
				Interval is dark grey in colour and medium grained.	1.20	<u> </u>	INCOUNTE ATTEL
				184 - 196 Light grey to nearly white, up to 40% calcite			
		<u> </u>	<u> </u>				
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DIAMOND DRILL RECORD

D.D.H., NO. SHEET

1 OF 1

PROPERTY SCADDING TOWNSHIP - SUDBURY PROJECT LATITUDE 2+97N
LONGITUDE 8+12W
ELEVATION 64'

BEARING—TRUE DIP -90°
FINAL DEPTH 223 ft.
CORE SIZE AQ

DATE STARTED September 3, 1974

DATE COMPLETED September 5, 1974

DRILLED BY Hosking Drilling

LOGGED BY E.R. Craigib

DATE: July 24, 1975

SIGNED Eric R. Craigie

DEPTH FEET	F'TAGE CORED	F'TAGE REC'D	FORMATION	DESCRIPTION	DEPTH	BED'G & FOLIA	REMARKS SAMPLES ETC.
0 - 4			Casing				
4 - 7			Serpent	Chloritic zone. Dark green, contains over 80% chlorite with 1-10% arsenopyrite. Unit is theared with some slickensides.			
7 - 87			Serpent	Quartzite. Light to pink. Hard. dense, blocky. Massive to poorly bedded.			
				4 - 17.5 Pinkish quartzite 17.5 - 28 Grey quartzite, blocky with slickensides 49 - 53 Pinkish quartzite, breeciated in part 66.5 - 76 Pinkish quartzite			
87 - 103-1/.			Serpent	Chloritic zone. Contains up to 75% chlorite in short intervals. Zone consists of chloritized quartzite - both pinkish and light grey units.			Interval between 95-1/2
				Sulphides, mainly arsenopyrite, vary from 0 - 5% of rock. 88 - 93 75% chlorite, sulphides rare 193 - 96-1/2 25 - 50% chlorite, sulphides rare			98-1/2 shows strong foliation at 40° to core axis
				96-1/2 - 98-1/2 803 chlorite, up to 202 arsenopyrite 98-1/2 - 103-1/2 253 chlorite in pink quartzite, rare sulphides.			core axis
103-1/ 204-1/	1		Serpent	Quartzite. Light to dark grey, medium to fine grained, hard, dense, massive to poorly bedded. Contains minor py, and po.	130	55°	
204-1/			Serpent	Greywacke, dark grey, fine grained, massive, hard and dense			
221 - 223			Serpent	Quartzite. Dark grey. dirty.			
•							

GOEF WINEKALD COMPANY

DIAMOND DRILL RECORD

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1 OF 1

PROPERTY_	SCADDING	TOWNSHIP	_	SUDBURY	PROJECT
LATITUDE	2+93N				 -
LONGITUDE	9+101	1		•	
FIEVATION	721	_			

BEARIN	NG-TRI	JE	-	- •	
DIP_		-90°			
FINAL	DEPTH_	177	ft.		
CORE	SIZE	AQ			

DATE STARTED	September 6, 1974
	September 7, 1974
DRILLED BY	Hosking Brilling
LOGGED BY	E. R. Craigie

DATE: July 24, 1975 SIGNED Eric R. Craigie

DEPTH FEET	F'TAGE CORED	F'TAGE REC'D	FORMATION		DESCRIPTION	DEPTH	BED'G & FOLIA	REMARKS SAMPLES ETC.
0 - 3			Overburden					
- 177			Serpent	grained, massive	me greywacke beds. Hard, dense, medium to fine to poorly bedded. Light to dark grey. Foliated. s from a clean quartzite to greywacke.			
				3 - 10-1/2	Light grey, blocky, poorly bedded, medium grained, foliated. 48 - 48-1/2 sheared.			
				51 - 65-1/2 65-1/2 - 106	Light pinkish grey, dense, Hard, massive, fine grained, brecciated in part Medium grey quartzite, hard, poorly bedded, medium			
					grained, foliated. Grades into greywacke at base. Blocky throughout, fractures with slickensided surfaces	95	25	Bedding angle
				106 - 118	Greywacke. Fine grained, dense, poorly bedded, foliated. Dark grey in colour			
				118 - 126	Pinkish to light grey quartzite, hard, dense, massive to fine grained. 122 - 126, brecciated; with some vein quartz			
				126 - 136 136 - 177	Greywacke, dark grey, fine grained. Dirty quartzite, Medium grey, medium grained. Hard.			
					Poorly bedded.			
	 					 		

DIAMOND DRILL RECORD

D.D.H. NO. 5-22 OF 1 SHEET

PROPERTY SCADDING TOWNSHIP - SUDBURY PROJECT LATITUDE 2+75N LONGITUDE 10+08W ELEVATION____ 671

BEARING-TRUE DIP_ 272 ft. FINAL DEPTH AQ CORE SIZE

September 9, 1974 DATE STARTED_ DATE COMPLETED September 10, 1974 Hosking Drilling DRILLED BY_ LOGGED BY E. R. Craigie

SIGNED Eric R. Craigie DATE: July 24, 1975

DEPTH FEET	F'TAGE CORED	F'TAGE REC'D	FORMATION	DESCRIPTION	DEPTH	BED'G & FOLIA	REMARKS SAMPLES ETC.
0 - 6			Overburden				
6 - 30			Serpent	Quartzite. Light grey, medium to fine grained, poorly bedded, hard, blocky, foliated. Fractures with slickensides throughout zone.			
30 - 50			Serpent	Quartzite. Light to pinkish grey. Fine grained, massive. Hard, dense. Blocky throughout, especially at 40'			
50 - 106			Serpent	Ouartzite. Light grey, medium to fine grained, poorly bedded. Generally as upper unit. 75 - 76, 81 - 83, 85 - 87 Brecciated with slickensides.			
106 - 110			Serpent	Quartzite. Light grey to near white. Dense, massive, fine grained.			
110 - 120			Serpent	Quartzite. Light grey, poorly bedded.			
120 - 131			Serpent	Quartzite. Light pinkish grey to white, massive.	<u> </u>		
131 - 135			Serpent	Quartzite. Grey, sheared, blocky. Slickensides on fractures			Minor fault
212			Serpent	Quartzite. Light to medium grey, poorly bedded to massive. Medium to fine grained, hard, dense, brecciated in part. Becoming dirty towards base. 177 - 179 Greywacke			Winor fault
•				179 - 180 Blocky with slickensides			Minor fault
21 <u>2 -</u> 272			Serpent	Quartzite and greywacke Medium to dark grey, foliated. 212 - 219, 222 - 237, 245 - 264 greywacke beds.			
					252	30°	Bedding angle
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GULF MINERALS CUMPANY DIAMOND DRILL RECORD

D.D.H. NO.	1	- Th.	,,,	S	23
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SHEET

1 OF 1

PROPERTY SCADDING TOWNSHIP - SUDBURY PROJECT LATITUDE 2+75N 10+08W LONGITUDE_ ELEVATION 67'

BEARING-TRUE_	0°
DIP	- 45°
FINAL DEPTH	111 ft.
CORE SIZE	AQ

DATE STARTED September 11, 1974

DATE COMPLETED September 12, 1974

DRILLED BY Hosking Drilling

LOGGED BY E. R. Craigie LOGGED BY___

DATE: July 24, 1975 SIGNED Eric R. Craigie

DEPTH FEET	F'TAGE CORED	F'TAGE REC'D	FORMATION	DESCRIPTION	DEPTH	BED'G & FOLIA	REMARKS SAMPLES ETC.
0 - 6			Overburden				
6 -111			Serpent	Quartzite. Light pinkish grey to medium grey. Hard dense, poorly			
				bedded to massive, blocky throughout. Foliated. medium to fine grained.			
		 		Composition varies from clean to dirty quartzite.			
	• •			11 - 12 1/2 Chloritic zone. Breccia of quartzite fragments in			
				chlorite matrix. Chlorite to 30%, py. 5 - 10%, vuggy			
				texture.			
				12 1/2 - 14 sheared, blocky with slickensides.			
				46 1/2 - 48 1/2 Chloritic breccia. 25% chlorite in clean white quart			
				zite. No sulphides			•
				60 1/2 - 62 Chloritic Breccia. chlorite to 30%, po. to 10%. some			
				grey vien quartz in light white quartzite.			
				62 - 64 blocky, with slickensides.			
				65 1/2 - 80 Quartzite. Light pinkish to white, massive fine grained.			• •
				81 - 81 1/2 blocky with slickensides.			
				90 1/2 - 94 blocky with slickensides.			
				108 - 110 Breccia. Grey carbonate and some clay gouge.			Fault zone
							
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GULF MINERALS COMPANY DIAMOND DRILL RECORD

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PROPERTY_	SCADDING TOWNSHIP - SUDBURY PROJECT	
LATITUDE_	1+47N	
LONGITUDE	10+10W	
ELEVATION	55'	

BEARING TRU	E0°	
DIP	-45	
FINAL DEPTH_	220 ft.	
COPE SIZE	AQ	

DATE STARTED September 17, 1974

DATE COMPLETED September 18, 1974

DRILLED BY Hosking Drilling

LOGGED BY E. R. Craigie

DATE: July 24, 1975 SIGNED Eric R. Craigie

DEPTH FEET	F'TAGE CORED	F'TAGE REC'D	FORMATION	DESCRIPTION	DEPTH	BED'G & FOLIA	REMARKS SAMPLES ETC.
0 - 7		-	Overburden				
7 -220			Serpent	Quartzite. Medium grey, foliated, poorly bedded, medium to fine grained.			beds vary between 15° to 20° to core axis.
				Hard, dense, blocky in some zones. Composition varies from clean to			to 20° to core axis.
				dirty quartzite.			
				96.5 4" wide, rusty, minor fault zone			
				107 - 110 blocky, slickensides			
				120 - 121 blocky, slickensides			
		: 		161 - 181 minor po. in breccia zones.		ļ	
			ļ	207 - 208 1/2 blocky, slickensides.			
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GULF MINERALS CUMPANY DIAMOND DRILL RECORD

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1 OF 1

PROPERTY_	SCADDING	TOWNSHIP	-	SUDBURY	PROJECT
LATITUDE					
LONGITUDI	8+14W				
ELEVATION	681				·

BEARING -TRUE	0 ⁰	
DIP	-60	
FINAL DEPTH_	190 ft.	
CORE SIZE	AQ	

DATE STARTED September 21, 1974

DATE COMPLETED September 22, 1974

DRILLED BY Hosking Drilling

LOGGED BY E. R. Craigie

DATE: July 24, 1975 SIGNED Eric R. Craigie

DEPTH FEET	F'TAGE CORED	F'TAGE REC'D	FORMATION	DESCRIPTION	DEPTH	BED'G & FOLIA	REMARKS SAMPLES ETC.
0 - 5			Overburden				
5 -116			Serpent	Quartzite. Light to medium grey, Medium to fine grained, foliated. Hard, massive to poorly bedded. Blocky throughout. 79 - 81 Breccia. 2-10% py. 81 -100 well bedded, calcarcous 100 -101 blocky, sheared, slickensides.	96	150-200	bedding angle.
116-124			Serpent	Quartzite. Pink to reddish hard, dense, fine grained. Brecciated in			
				part.			
124-190			Serpent	Quartzite. Light grey to pinkish grey becoming greenish grey towards			
	ļ			base. Medium to fine grained. Hard, dense, poorly bedded to massive. Approaches grey wacke in composition over some short intervals.	 -	-	
			 	Brecciated towards base.			
				132 1/2 - 138 1/2 Chloritic zone. Chlorite varies between 0 to 75%	······································		
				of rock. Massive, vuggy py. po. at 135 1/2 feet.			
				The interval consists of chloritized light pink			
				to grey quartzite.			
<u></u>		ļ	<u> </u>	139 1/2 - 142 1/2 dark grey, grey wacke. Not chloritic or		ļ	
	ļ			mineralized with sulphides. 144 - 145 1/2 Chloritic breccia. Chlorite comprises about		<u> </u>	
	<u> </u>	 		15% of the rock. Host rock is light grey to pink		 	
	ļ			quartzite. Py. occurs up to 5%.		 	
			<u> </u>			 	•
	 			154 - 155 , 164 - 165 , 169 - 170 , 174 - 177 , 181 - 182 , 186 - 190 ,		 	
				brecciated zones, some with minor po. mineralization	n.	i .	
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GULF MINERALS CUMPANY DIAMOND DRILL RECORD

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PROPERTY SCADDING TOWNSHIP -- SUDBURY PROJECT 2+06N LATITUDE_ 8+14K LONGITUDE_ ELEVATION_

681

BEARING-TRU	E 000
DIP	-75°
FINAL DEPTH_	201 ft.
CODE SIZE	ΛQ

DATE STARTED September 22, 1974

DATE COMPLETED September 24, 1974

DRILLED BY Hosking Drilling

LOGGED BY E. R. Craigie

DATE: March 7, 1975

S'GNED_Eric R. Craigie

1 OF

DEPTH FEET	F'TAGE CORED	F'TAGE REC'D	FORMATION	DESCRIPTION	DEPTH	BED'G & FOLIA	REMARKS SAMPLES ETC.
0 - 6			Overburden				
6 -151			Serpent	Quartzite. Light to medium grey, poorly bedded, hard, medium to fine grained. Blocky throughout interval. 18 - 19 altered, clay gouge 23 - 24 altered, clay gouge	91	300	bedding angle. Minor fault
				54 - 57 Breccia. some py. 142 -146 Grey wacke, brecciated, contains up to 20% pyrite.			Minor fault
151-170			Serpent	Quartzite. pink to reddish coloured, massive and fine grained. 157 -162 Breccia containing up to 5% chlorite, between 158 - 161 there is up to 25% arsenopyrite.			Fault zone
70-201			Serpent	Dirty quartzite and grey wacke.			Beds at 10° - 15° to cor axis.
	•		1.				
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	<u>.</u>						

GULF MINERALS COMPANY

DIAMOND DRILL RECORD

D.D.H. NO. S - 27

SHEET

1 OF 2

PROPERTY SCADDING TOWNSHIP - SUDBURY PROJECT
LATITUDE 1+32N
LONGITUDE 6+42N
ELEVATION 351

BEARING—TRUE 0°
DIP -45°
FINAL DEPTH 201 ft.
CORE SIZE AQ

DATE STARTED September 25, 1974

DATE COMPLETED September 25, 1974

DRILLED BY Hosking Drilling

LOGGED BY E. R. Craigie

DATE: September 26, 1974

SIGNED Eric R. Craigie

DEPTH FEET	F'TAGE CORED	F'TAGE REC'D	FORMATION	DESCRIPTION	DEPTH	BED'G & FOLIA	REMARKS SAMPLES ETC.
0 - 10			Overburden				
10 -111			Espanola	Limestone: light grey to greenish, generally well bedded and strongly			
				calcareous, dense, medium to coarse grained, foliated.	50'	25°-30°	Bedding angle.
			,	Contact with lower quartzite unit is a breccia - quartzite			
	٠.			fragments up to 1" in size in a greenish matrix (possibly a			
				regolith zone).			
				21 1/0 22 1/0 1-1			
				31 1/2 - 32 1/2 dark green breccia zone, with some quartz		ļ	
·····		· · · · · · · · · · · · · · · · · · ·		and py.			
				83 - 83 1/2 3" wide band of magnetite with some py.,		ļ	<u> </u>
				appears conformable to bedding.	<u> </u>	 	
				appears contormante to bedding.		<u> </u>	
			,	91 - 92 Magnetite beds in limestone, conformable to			
				calcareous beds.			· · · · · · · · · · · · · · · · · · ·
			,	93 - 105 Magnetite disseminated and in beds. Heavy beds at			
				94 - 95, 96- 97, with some pyrite and quartz in a breccia			
				zone at 98 - 100 and 103 - 104.			
		·	ļ	111 112 Process coloured constant format		<u> </u>	
			<u> </u>	111 - 112 Breccia, green coloured, angular fragments of grey to brown quartzite in greenish matrix with about 5 - 10%	ļ	ļ	
		<u> </u>	<u> </u>		 		
				py.	 		<u> </u>
11 - 13:			Serpent	Quartzite to a grey wacke: dark grey, generally hard, dense, massive;	 _	 	
			Derpene	with some blocky and sheared intervals.	 	 	
-				"ZON DONO DIDERY UNG SHOULDS INCOME.	 		
			 	121' pyrite filled fracture 1/4" wide.		 	
							
· · · · · · · · · · · · · · · · · · ·			 	129-132 very blocky, sheared			
			 	A STATE OF THE STA	 	 	

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DIAMOND	DRILL	RECORD	CO	NTINUAT	ON	SHEET

D.D.H. NO. <u>S - 27</u>
SHEET <u>2</u> OF <u>2</u>

DEPTH FEET	F'TAGE CORED	F'TAGE REC'D	FORMATION	DESCRIPTION	DEPTH	BED'G & FOLIA	REMARKS SAMPLES ETC.
135-201			Serpent	Quartzite: light grey, generally hard, blocky and massive; medium to fine grained, foliated, some brecciated and sheared sections.			
	•			148 - 150, 152 - 152 1/2, 154 - 155 1/2 Breccia zones			
				161 -169 Breccia, brown and grey quartzite fragments in a quartzite matrix with some minor py.			
				186 - 187 Breccia 10% py.			
				192 - 192 1/2 Breccia .			
	-						
-							

GULF MINERALS CUMPANY DIAMOND DRILL RECORD

D.D.H. NO. S - 28 SHEET

1 OF 1

PROPERTY SCADDING TOWNSHIP - SUDBURY PROJECT LATITUDE 2+32N LONGITUDE 7+15W ELEVATION 53'

BEARING—TRUE 270°

DIP -30°

FINAL DEPTH 208

CORE SIZE AQ

DATE STARTED_September 26, 1974

DATE COMPLETED_October 4, 1974

DRILLED BY Hosking Diamond Drilling

LOGGED BY E. R. Craigie

DATE: October 5, 1974

SIGNED Eric R. Craigie

DEPTH FEET	F'TAGE CORED	F'TAGE REC'D	FORMATION	DESCRIPTION	DEPTH	BED'G & FOLIA	REMARKS SAMPLES ETC.
0 - 12			Overburden				
12-208			Serpent	Quartzite: light to dark grey, medium to coarse grained, foliated, massive to poorly bedded. Generally blocky throughout, unit	<u> </u>		
				becomes darker coloured towards base - approaches grey wacke in composition.	106'	40°	Bedding
				Brecciated intervals occur throughout core, breccia usually mineralized with py. and minor chalco., sometimes weakly chloritic.			
				12 - 65 very blocky near-surface zone, some rusty fractures 84.5-85.5 Breccia, 5% py.			
				91 - 92 Breccia, 2 - 5% py., po. 99 - 102 Breccia, 5% py., po., minor chlorite			
				114.5-116 Breccia, 2% py., po., core angle at 30° 125 - 126 Breccia, 2% py. and po. 143 - 144 Breccia, minor py., po.			
				164 - 165 Breccia, po., py; minor chlorite, fine grained, fragments to 1/4" in size.			169': one inch wide goug
				172 -173.5 Breccia, fine grained as above, minor py.,po. 177 -180.5 Breccia, py.,po about 2%, minor chlorite			
				Breccia fragments up to 1/2" but generally smaller (1/8 - 1/4")			

GULF MINERALS CUMPANY DIAMOND DRILL RECORD

D.D.H. NO. S - 29 SHEET

OF

PROPERTY_	SCADDING TOWNSHIP	-	SUDBURY	PROJECT
LATITUDE_	. <u>3+00N</u>			
LONGITUDI	E7+87W			
ELEVATION	631			

270° BEARING-TRUE_ -450 DIP_ 117 ft. FINAL DEPTH_ AQ CORE SIZE_

DATE STARTED October 6, 1974 DATE COMPLETED October 7, 1974 DRILLED BY Hosking Drilling LOGGED BY E. R. Craigie

Eri R. Crigin

DATE: October 10, 1974

SIGNED Eric R. Craigie

DEPTH FEET	F'TAGE CORED	F'TAGE REC'D	FORMATION	DESCRIPTION	DEPTH	BED'G & FOLIA	REMARKS SAMPLES ETC.
0 - 7			Overburden				
7 -95.3			Serpent	Quartzite: grey to pinksih grey to salmon pink, core is blocky from			
				surface to 50 feet.	ļ		
				29.3 - 40.8 salmon pink quartzite, some what brecciated, and	ļ		95.3-95.7 15° co2=
				chloritic throughout, local calcite stringers and minor sulphides.			py., vein quartz and chlorite
95.3-			Serpent	Chloritic zone: containes mostly altered quartzite. Chloritic sections			96.7-98.7 altered
103.7				are well mineralized with sulphides and contain some	1		guartzite, reddish to
				grey vein quartz and carbonate.			greenish locally chlorit:
103.7 -			Serpent	Quartzite: medium grey, medium grained, foliated; poorly bedded to			98.7-101.0 Ereccia:
117.0				massive.	<u> </u>	<u> </u>	huartzite 30% chlorite
			ļ		ļ	<u> </u>	Calcite stringers through
						 	but. Sulphides rare.
		<u> </u>				<u> </u>	
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GULF MINERALS COMPANY DIAMOND DRILL RECORD

D.D.H. NO. S-30 SHEET 1 OF 2

PROPERTY SCADDING TOWNSHIP - SUDBURY PROJECT
LATITUDE 2+06N
LONGITUDE 8+64N
ELEVATION 63 feet

DATE STARTED October 9, 1974

DATE COMPLETED October 10, 1974

DRILLED BY Hosking Drilling

LOGGED BY E. R. Craigie

DATE: October 10, 1974 SIGNED Eric R. Craigie

DEPTH FEET	F'TAGE CORED	F'TAGE REC'D	FORMATION	DESCRIPTION	DEPTH	BED'G & FOLIA	REMARKS SAMPLES ETC.
) - 6			Overburden				
5 - 77			Serpent	Quartzite, light to dark grey, generally massive to poorly bedded;			
				medium to fine grained, foliated. Strongly brecciated in several			
				sections, becomes darker coloured and dirty towards base. Sulphides			
	<u> </u>			occur in minor quantities throughout and up to 20% in some breccia			
				zones (mostly py.).			
				6 - 11 Very blockv.rusty fractures - surface weathered zone.			
7. "				13 - 14 Breccia.			•
				19 - 30 Breccia, fragments to 1" in size, 5% py.			
		·		37 - 39 Breccia, 1 - 5% py. and po.			
				65 - 67 Breccia, up to 25% py, and po.	ļ	<u> </u>	
				72.5 - 73 Breccia, up to 30% py.			
77 -			Serpent	"Dirty" quartzite to greywacke; grey to very dark grey.			
184							water the state of
				104 - 105 Variably mineralized, with chlorite, py., po., arsenopy			
				n variably amounts; brecciated.		ļ.,	
				129 - 131 Grey quartzite, 5 - 10% chlorite, minor py. and po.	ļ		
				131 - 137-1/2 Reddish quartzite; fine grained, brecciated,	<u> </u>	<u> </u>	
				chlorite forms matrix, minor py. chalco, po.			
				137-1/2 - 139-1/2 Grey quartzite to greywacke.	<u> </u>	ļ	134,3 - 138,4
				139-1/2 - 142 Breccia, reddish quartzite fragments chlorite	140°	45°	Shear angles on brecei
			<u> </u>	in matrix, minor arsenopy, py., po., chalcopy. 152 - 163 Grey quartzite to greywacke.			fragments.
				162 - 163 Breccia, minor py.	 	 	
		<u> </u>			 	 	
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D.D.H. NO. S-30 SHEET 2 OF 2

DEPTH FEET	F'TAGE CORED	F'TAGE REC'D	FORMATION		DESCRIPTION	DEPTH	BED'G & FOLIA	REMARKS SAMPLES ETC.
77 -	(cont'd)		Serpent	163-1/2 - 166-1/2	Breccia, light grey quartzite with py, and poup to 20%. Some vuggy sections.	166	45°	Slip angle on breccia
184					up to 20%. Some vuggy sections.			fragment
	<u> </u>			179 - 184	Don't area and a second a second and a second a second and a second a second and a second and a second and a	182	35°	Pedding angle
				177 - 104	Dark grey, greywacke, massive and dense to poorly bedded.	102	33	Bedding angle
					poorty pedded.			
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DIAMOND DRILL RECORD

D.D.H. NO. SHEET

S - 31

1 OF 2

PROPERTY_SCADI	DING TOWNSHI	P - SUDBUI	RY PROJECT
LATITUDE	1+75N		
LONGITUDE	9+35W		
FIFVATION	621		

BEARING-TRUE_	0°	
DIP	-60°	
FINAL DEPTH	205'	
CORE SIZE	AQ	

DATE STARTED October 16, 1974

DATE COMPLETED October 17, 1974

DRILLED BY Hosking Diamong Drilling

LOGGED BY E. R. Craigie

DATE: October 17, 1974

SIGNED Eric R. Craigie

DEPTH FEET	F'TAGE CORED	F'TAGE REC'D	FORMATION	DESCRIPTION	DEPTH	BED'G & FOLIA	REMARKS SAMPLES ETC.
0 - 7			Dverburden				
7 - 43			Serpent	Quartzite: light to medium grey, hard, massive, blocky; coarse to medium grained, foliated; with some breccia zones.			
				7 - 29 very blocky, near surface zone			
				32 - 34 Breccia, 5% pyrite in quartz and feldspar fragments.			
				38.5 - 40 Breccia, reddish quartzite fragments in light green, fine grained matrix.			•
				41 - 42 very fine grained, mylonitic			
3 - 77.5			Serpent	Grey wacke to argillite: dark grey to nearly black; fine grained, dense, massive; foliated.	60'	10°	bedding angle.
				47 - 49 very blocky, sheared, some grey quartz.			
		·		52 - 62 unit has 1 - 5% disseminated py.			
7.5 - 92		,	Serpent	Grey wacke (?): medium greenish grey rock, fine grained; sheared, brecciated and mylonitic; minor py, throughout			
				77.5 - 78 Breccia 87 - 92 Breccia, up to 5% py.			
2 - 145			Serpent	Quartzite: light to medium grey; poorly bedded to massive			
				132 - 133 Breccia 135' 2" wide breccia zone			
				136 - 137.5 Breccia 139 2" wide breccia zone			

S - 31 D.D.H. NO._ DIAMOND DRILL RECORD—CONTINUATION SHEET SHEET 2___OF__2 BED'G & FOLIA DEPTH **FTAGE F'TAGE** REMARKS FORMATION **DESCRIPTION DEPTH** REC'D CORED SAMPLES ETC. 145 -1921 Serpent Angillite: dark grey, fine grained, dense, massive to weakly bedded 159 - 161 up to 54 disseminated py. 167' Bedding angle 192 - 205 Serpent Quartzite: light grey, medium grained. 197.5 - 198 Breccia

1 OF 1

DIAMCND DRILL RECORD

PROPERTY SCADDING TOWNSHIP - SUDBURY PROJECT 2+06N LATITUDE_ 6+90W LONGITUDE 451 ELEVATION_

BEARING-TRUE_	0°	
DIP	-45°	
FINAL DEPTH	106 ft.	
CORE SIZE	AQ	

DATE STARTED October 18, 1974

DATE COMPLETED October 18, 1974

DRILLED BY Hosking Drilling LOGGED BY E. R. Craigie

October 19, 1974 SIGNED Eric R. Craigie DATE:__

DEPTH FEET	F'TAGE CORED	F'TAGE REC'D	FORMATION	DESCRIPTION	DEPTH	BED'G & FOLIA	REMARKS SAMPLES ETC.
0 - 12			Casing				
- 106			Camant	Quartzite: Light reddish pink to dark grey, massive to poorly bedded			
2 - 100			Serpent	medium to fine grained, foliated.			
				12' - 18' grey quartzite, brecciated throughout, up to 25%	· · · · · · · · · · · · · · · · · · ·		
				py. and some grey quartz injections in Breccia matrix.			
				18' - 30' grey quartzite, coarse grained, hard, dense,			
				massive to poorly bedded, weakly foliated.			
				30' - 34.5' reddish quartzite, hard, dense, strongly to			
				weakly chloritic 30 - 31 chloritic breccia, py. to 5%			
				34.5 -37.5' reddish quartzite breccia, strongly chloritic at			
				35' - 36' with up to 10% py.			<u> </u>
				37.5 - 45.0' reddish quartzite breccia, strongly chloritic			
		-		up to 50% py.	 	li	
				45' - 50' grey and red quartzite breccia, weakly chloritic	<u> </u>		
				py. to 5%			
				50' - 106' light to dark grey quartzite, variably brecciated.			
				52 - 53' chloritic breccia, 25% py.	<u> </u>		*
		<u> </u>		57.5 - 58.5' breccia, weakly chloritic, 15% py.			
				62 - 63' breccia, minor py.			
				69.5 - 72' breccia, 15% py., minor chlorite.	<u> </u>		
			1	72 - 75' Bx., grey quartz, 10% py, minor chlorite		1	
				79 - 80' Breccia, 5% py. and po.			
				82 - 90' Breccia, py. to 50% at 83', minor chlorite			•
				97 - 106' variably brecciated.			
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GULF MINERALS COMPANY DIAMOND DRILL RECORD

D.D.H. NO. S - 33 SHEET

1 OF 1

PROPERTY_	SCADDING	TOWNSHIP	-	SUDBURY	PROJECT
LATITUDE_	2+0	06N			
LONGITUD	E 6+9	9014			
ELEVATION					

BEARING-TRUE_		
DIP	-90°_	
FINAL DEPTH	178'	
CORE SIZE	AQ	

DATE STARTED October 18, 1974

DATE COMPLETED October 19, 1974

DRILLED BY Hosking Diamong Drilling

LOGGED BY E. R. Craigie

DATE: October 20, 1974 SIGNED Eric R. Craigie

DEPTH FEET	F'TAGE CORED	FORMATION	DESCRIPTION	DEPTH	BED'G & FOLIA	REMARKS SAMPLES ETC.
0 - 14		Overburden				
14 -149		Serpent	Quartzite: composition varies from clean pink quartzite to nearly argillite. Hard, massive to poorly bedded, coarse to fine grained, foliated. 14' - 16' Breccia. 5-10% py. and po. 55' - 56' very blocky 82' -111' Pink to grey quartzite, hard, dense, fine grained and massive; variably chloritic and pyritiferous. Some arsenopyrite at 91' - 93' 108 - 111 carbonate rhombs, in quartzite.			
			108 - 111 carbonate rhombs, in quartzite. 111 - 145 dirty quartzite to grey wacks, dense	 	!	
			145 - 149 Reddish to pirk quartzite, hard, dense.	<u> </u>		
•						
149-178		Espanola	Limestone: light grey to greenish, varibaly well bedded, generally dense and cherty.	156'	23°	bedding angle.
-						
<u> </u>				<u> </u>		

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DRILL HOLE INFORMATION

HOLE NO.	LOCATION	BEARING/DIP	TOTAL DEPTH	DATE STARTED	DATE COMPLETED
S-45	17+00W 3+25N	180 ⁰ /-45 ⁰	307 Feet	Sept. 27/75	Oct. 1/75
S-46	18+00W 4+00N	180 ⁰ /-45 ⁰	317 Feet	Oct. 1/75	Oct. 2/75
S-47	19+00W 5+50N	180 ⁰ /-45 ⁰	348 Feet	Oct. 3/75	Oct. 6/75
S-48	16+00W 2+50N	189 ⁰ /-45 ⁰	310 Feet	Oct. 7/75	Oct. 9/75
S-49	17+00W 3+50N	230 ⁰ /-45 ⁰	298 Feet	Oct. 14/75	Oct. 17/75
	TOTAL FOO	TAGE	1,580 Feet		and the same of th

Diamter of core: AQ - 1 1/16 inches

owner/operator of drill:

Continental Diamond Drilling Co. Ltd.,

1156 Lariviere Street, P. O. Box 250, Rouyn, P. Q., J9X 5C3.

Work assignment, claim S.373196 - 1,541 days.





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S - 4

SHEET

OF

2

PROPERTY	SUDBURY	PROJECT-SCADDING	TWP.
LATITUDE_	3.	+25N	
LONGITUD	E	7+00W	
ELEVATION		a tum 💮 💮 💮	

BEARING—TRUE 180°True
DIP -45°
FINAL DEPTH 307 feet
CORE SIZE A.Q.

DATE STARTED September 27, 1975

DATE COMPLETED October 1, 1975

DRILLED BY Continental

LOGGED BY E. R. Craigie

DATE: October 1, 1975

SIGNED E-iR. Cang

DEPTH FEET	F'TAGE CORED	F'TAGE REC'D	FORMATION	DESCRIPTION	DEPTH	BED'G & FOLIA	REMARKS SAMPLES ETC.
0-10			Overburden				
10-290			Serpent	Quartzite: pink to grey coloured, medium to fine grained. Composition varies from clean quartzite to grey wacke.			
				10-196 pink quartzite. Hard, dense, fine grained, massive, variably brecciated, relatively clean quartzite. Contains zones with minor py. and some chlorite alteration. Greyish zones show poorly developed bedding planes.	,		
				17 1/2-19 1-5% chlorite in fractured quartzite 43-46 10-50% chlorite, 20% pv.			
				63-66, 78 1/2-80 very blocky, fractures with slickensides 80 1/2-86 1/2, 104-134 1/2 breccia, variably chloritic, minor to 5% pyrite. 163-166, 173-175 very blocky fractures with slickensides			
				196-246 light to dark grey quartzite. Hard, dense, massive to poorly bedded. Composition varies from light grey, clean quartzite to agrillaceous quartzite and grey wacke.			
				213-215, 217-221 very blocky, slickensides on fractures 227 1/2-228, 235-236 brecciated quartzite, 5-20% py. with some dark grey chloritic material.			
				246-276 very dirty quartzite to grey wacke, poorly bedded, medium to fine grained.			
				251-252 1/2 leached, quartzite breccia 261-264 chloritic grey wacke, 5-10% py and po., 10-15% chlorite.			
	-						

D.D.H. NO. S - 45
SHEET 2 OF 2

DEPTH FEE'T	F'TAGE CORED	F'TAGE REC'D	FORMATION	DESCRIPTION	DEPTH	BED'G & FOLIA	REMARKS SAMPLES ETC.
cont'd_							
10-290				266-267 feactures with slickensides			
				276-290 medium grey quartzite, as for 196-246	·		
				277-287 very blocky quartzite. One foot of core recovered	•		
				287-288 fine grained diabase 288-288 1/2 quartzite			
	!			288-288 1/2 quartzite 289-290 quartzite			
290-307			Keweenawan	Diabase: dark grey to black rock. Fine grained near contact with			
				quartzite to coarse grained at 307 feet. Dense, ophitic texture, contact is fractured and blocky - no angle could be determined.	<u> </u>		
				13 Tractures and brook, no engite estate to estate the			
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						<u> </u>	
						 	
	 						



Gulf Minerale Coneda Limifed DIAMOND DRILL RECORD

					D.D.	H.	N	O. s	_	46
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SHEET

OF

PROPERTY	SUDBURY P	ROJECT	· _	SCADDING	TUP.
LATITUDE	4+00N				
LONGITUDE	18+004				
FIEVATION	2 feet	above	3.	-45	

BEARING-TRU	E
DIP	- 45°
FINAL DEPTH_	317 feet
CORE SIZE	A.Q.

DATE STARTED October 1, 1975

DATE COMPLETED October 2, 1975

DRILLED BY Continental

LOGGED BY E. R. Craigie

DATE: October 3. 1975 SIGNED En R. C.

DEPTH FEET	F'TAGE CORED	F'TAGE REC'D	FORMATION	DESCRIPTION	DEPTH	BED'G & FOLIA	REMARKS SAMPLES ETC.
0-10			Overburden				
10-295			Serpent	Quartzite: pink to grey coloured, hard, dense, massive, medium to fine grained. Composition varies from an usually cealn to somewhat dirty quartzite. Some zones show chloritic alteration which is often intense up to 80% chlorite. Chloritic zones contain up to 50% sulphides (pyrite and pyrrhotite). Siderite is abundant in some intervals as coarse (1/4-1/2") crystals.		,	
				30-34 weakly chloritic (1-5% chlorite), brecciated, pink quartzite 34-50 strongly chloritic zone, dark green with some white quartz in pink quartzite. From 37-44 the zone contains about 80% chlorite, sulphic vary from rare to 5% of the core.	des		
				54-57 minor chloritie in pink quartzite. 59 1/2 - 63 chloritic pink quartzite brecciat, up to 30% chlorite between 60 and 62 feet, minor pyrite.			
				68-70 brecciated pink quartzite, 20% siderite, 10% pyrite. 72-74 chloritic pink quartzite, up to 60% chlorite, 5% pyrite and 20% white quartz. 86 1/2-88 10% siderite in pink quartzite.			
				96-97 blocky, fractures with slickensides.			

D.D.H. NO. S -46
SHEET 2 OF 2

DEPTH FEET	F'TAGE CORED	F'TAGE REC'D	FORMATION	DESCRIPTION	DEPTH	BED'G & FOLIA	REMARKS SAMPLES ETC.
cont'd 10-295				101-104, 110-112 1/2, 122-124, 127-129 blocky, fractures with slickenside	3		
				130-147 1/2 pink quartzite breccia, some siderite crystals, 1-5% pyrite minor hematite staining.	•		
				151-156 blocky, light pink to grey quartzite			
				156-156 1/2, 157 1/2-158, 160-165, 172-172 1/2 pink quartzite breccia, some siderite crystals, 1-5% pyrite	,		
				178-179 bedded, up to 10% pyrite in light pinkish quartzite		30°	bedding angle
			,	187-189, 202-205, 219-227 blocky, grey quartzite			
		,		231-233 dark grey quartzite, up to 10% pyrite			
				235-238 blocky, grey quartzite			
				238-239 chlorite on fracture surfaces			
				249-252, 253-254, 258-266 blocky and fractured quartzite			
				266-271, 274-277, 282-283, 289-295 blocky light grey to pink quartzite, brecciated, 1-40% dark grey chlorite, 2-10% pyrite.			
295-317			Keweenawan	Diabase: dark grey to black, very fine grained near contact increasing to coarse grained at 317 feet. Interval is blocky. The rock is composed of 40-60% pyroxene, 20-40% plagioclase, minor quartz and chlorite and			
				illustrates the typical diabase texture.			
			·				



@ulf Kinerale Canada Limifed DIAMOND DRILL RECORD

D.D.H. 1	NO.
SHEET	

S - 47

OF 2

1

PROPERTY SUDBURY PROJECT-SCADDING TWP.

LATITUDE 5+50N

LONGITUDE 19+00W

ELEVATION 7 feet below S-45

BEARING - TRUE	180 <mark>0</mark> True				
DIP	-45 .				
FINAL DEPTH	348 feet				
CORE SIZE	A.Q.				

DATE STARTED October 3, 1975

DATE COMPLETED October 6, 1975

DRILLED BY Continetal

LOGGED BY T. D. McDonald

DATE: October 7, 1975 SIGNED I Tomar

DEPTH FEET	F'TAGE CORED	F'TAGE REC'D	FORMATION	DESCRIPTION	DEPTH	BED'G & FOLIA	REMARKS SAMPLES ETC.
)-16			Overburden				
6-348			Serpent	Quartzite: pink to grey coloured, fine to medium grained, massive to poorly bedded. Strongly brecciated in some zones with crystals of siderite in breccia. Pyrite commonly occurs in the brecciated intervals		/	
				16-16 1/2 blocky, pink quartzite			
				23-26 1/2 pink quartzite breccia, 5-40% siderite, 1-25% pyrite and pyrrhotite			
				26 1/2-27, 37 1/2-66 brecciated, unit is composed of more than 60% siderite. The carbonate is light grey in colour with crystals up to			
				1/2 inch across.			
				43-43 1/2, 47-49, 57 1/2-58 rusty weathered zones. 68-74 pink quartzite breccia			
				76-211 quartzite breccia, 5-40% siderité. Intervals at 85-86 and 88-88 1/2 feet contain 20-60% py. and po. At 111 1/2 feet a 6 inch section contains 50% py.			
				154-154 1/2 contains 40-60% pyrite 1731/2-175 1/2, 184-187, 188 1/2-193, 193 1/2-194, 194-200 1, 202 1/2-206, 208-210 1/2 intervals are composed of dark grey, poorly bedded quartzite with 1-10% pyrite.	(2,		
				211-253 light to dark grey quartzite, fine to medium grained, hard dense, poorly bedded, contains 1-10%py.			

D.D.H. NO. S - 47
SHEET 2 OF 2

DEPTH FEET	F'TAGE CORED	F'TAGE REC'D	FORMATION	DESCRIPTION	DEPTH	BED'G & FOLIA	REMARKS SAMPLES ETC.
cont'd			·				
16-348				228 1/2-232 breccia, with 10-35% dark grey chlorite 237 1/2-242, 246-247 blocky, breccia zones			
				253-348 light to dark grey quartzite, brecciated with 5-25% siderite and minor amounts of a soft, bright emerald green mineral.	252	10°	bedding angle
				338-339 1/2 contains 1-10% pyrite 346-347 1/2 interval contains 1-5% dark grey chlorite and			
				1-5% pyrite.			



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D.D.	H.	NO.	
		-4.5	

S - 48

SHEET

OF 1

PROPERTY SUDBURY PROJECT - SCADDING TWP.
LATITUDE 2+50N
LONGITUDE 16+00W
ELEVATION 22 feet below S-45

BEARING - TRUE	180 ⁰ True
DIP	
FINAL DEPTH	310 feet
CORE SIZE	A.Q.

DATE STARTED October 7, 1975

DATE COMPLETED October 9, 1975

DRILLED BY Continental

LOGGED BY E. R. Craigie

DATE: October 9, 1975 SIGNED Erik. Canga

DEPTH FEET	F'TAGE CORED	F'TAGE REC'D	FORMATION	DESCRIPTION	DEPTH	BED'G & FOLIA	REMARKS SAMPLES ETC.
0-11			Overburden				
11-299			Serpent	Quartzite: pinkish coloured near top grading to a medium grey colour lower in the section. Hard, dense, massive to poorly bedded, fine to coarse grained (pink coloured quartzite is usually fine grained, grey coloured unit is coaser). The rock is blocky throughout with some zones of brecciation. Fractures commonly have slickensides.			
				11-43 pinkish quartzite: brecciated, massive, contains some dark grey chlorite material. Interval from 11 to 16 feet is a very blocky surface weathered zone.			
				43-91 medium grey quartzite: poorly bedded with beds at 65-80° to the core axis	62	70 ⁰	bedding angle
				91-100 pinkish quartzite: massive, dense, fine grained, hard and blocky. The interval between 95 and 97 feet consists of blocky rubble.			
				100-289 medium grey quartzite: medium to coarse grained, poorly bedded, blocky. 110-112, 115-117, 134-137, 162-163 1/2, 204-208, 210-213, 215-217, 221-223, are very blocky intervals.			
				289-299 pinkish quartzite, as for 11-43, blocky.			
299-310			Keweenawan	Diabase: dark grey to black rock. Fine grained near the contact grading to coarse grained at 310 feet. Shows typical diabase texture. Unit is composed of about 60% pyroxene and 40% plagioclase.			



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1	
ı	D.D.H. NO.

S - 49

SHEET

1

OF 2

PROPERTY SUDBURY PROJECT - SCADDING TWP.

LATITUDE 3+50N

LONGITUDE 17+00W

ELEVATION same level as 5-45

230° True
-45
298 Feet
A.Q. =

DATE STARTED October 14, 1975

DATE COMPLETED October 17, 1975

DRILLED BY Continental

LOGGED BY E. R. Craigie

DATE: October 17, 1975

SIGNED C

in R. Caiqu

DEPTH FEET	F'TAGE CORED	F'TAGE REC'D	FORMATION	DESCRIPTION	DEPTH	BED'G & FOLIA	REMARKS SAMPLES ETC.
0-7			Overburden				
7-292 17	2		Serpent	Quartzite: pink to orange-brown and grey. Hard, dense to blocky,			
				massive to poorly bedded, fine to coarse grained. Composition varies			
				l from clean to dirty quartzite. Chloritic in part - especially in some l			
				brecciated zones with pyrite. Pink or orange quartzite is usually massive, fine grained and contains some siderite; grey quartzite is			
				massive, fine grained and contains some siderite; grey quartzite is			
				coarser grained and poorly bedded.			
						ļ	
				7-13 pink quartzite		 	
			<u> </u>	13-31 pink quartzite breccia, variably chloritic with up to 5% py		 	
		ļ <u></u>		50% chlorite at 13-15; 16-22 1/2, 27-28 1/2, 30-31.		 	
	ļ	ļ		57-58 1/2 pink quartzite breccia, 25% chlorite			
	ļ			75-78 pink quartzite, hrecciated with 1-5% py.			
		ļ		80-84 pinkish quartzite, 10% siderite		 	
		ļ <u> </u>		89-91 brecciated quartzite, 1-5% ch. and py. 100-101 quartzite with 5% siderite, weakly brecciated		 	
				100-101 quartzite with 5% siderite, weakly brecciated 109-112 1/2 pinkish quartzite breccia, 1-5% chlorite, 25% siderite		 	
				109-112 1/2 pinkish quartzite breccia, 1-5% chiorite, 25% Siderite		 	
	<u> </u>			117-121, 122-126 very blocky, rubble		 	
	<u> </u>			134-136 blocky, brecciated quartzite 143-172 1/2 pink brecciated quartzite with 25-40% siderite		 	
	<u> </u>				196	600	
	<u> </u>	ļ <u></u>	ļ	1/2 1/2-202 grey quartzite, beds poorly developed at about 60 to core	-	60	· · · · · · · · · · · · · · · · · · ·
	<u> </u>	<u> </u>	<u> </u>	axis. Generally dark grey but with light grey brecciated zones containing siderite at 228-233, 241-244	g		
		ļ <u>.</u>		262-292 1/2 brecciated light grey and pink quartzite with 20-25% siderite			
	<u> </u>	<u> </u>		minor pyrite. The pinkish coloured interval extends from 286-292 feet.	,	ļ	
				minut pyrite. The princish coronted interval extends from 200-232 feet.			
292 1/2	 		Keweenawan	Diabase: dark grey, fine grained. Contact angle appears to be 60-75		}	
-295 374		 		but is somewhat obscure.		 	
						 	
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D.D.H. NO. S - 49
SHEET 2 OF 2

DEPTH FEET	F'TAGE CORED	F'TAGE REC'D	FORMATION	DESCRIPTION	DEPTH	BED'G & FOLIA	REMARKS SAMPLES ETC.
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95 3/4- 98			Serpent	Quartzite: medium grey, medium grained, foliated, hard. Poorly bedded with beds about 70° to core axis.	297	700	
98				bedded with beds about 70 to core axis.	29/	/0	
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D.D.H. NO.	S-50			
SHEET	1	OF	2	

PROPERTY	SUDBURY PROJECT	- SCADDING	TOWNSHIE
LATITUDE_			
LONGITUDE	20+60W		
FIEVATION			

BEARING TRU	E 315°	
DIP	-45°	
FINAL DEPTH_	358 Feet	
CORE SIZE	AQ	

DATE STARTED_OC	tober 17, 1975
DATE COMPLETED	October 19, 1975
DRILLED BY	Continental
LOGGED BY	E. R. Craigie

DATE: October 19, 1975 SIGNED E ? R. C ~~~~

DEPTH FEET	F'TAGE CORED	F'TAGE` REC'D	FORMATION	DESCRIPTION	DEPTH	BED'G & FOLIA	REMARKS SAMPLES ETC.
0 - 8			Overburden				
8 - 358	·		Serpent	Quartzite: Generally brownish orange, very hard, dense, massive.			
				medium to fine grained; brecciated, contains 10 - 50% light grey			
				siderite in rhombohedral crystals up to 1/2 inch across. Pyrite and			
				hematite occur in minor amounts. Some grey quartzite sections occur			
				Within the brown quartzite. These are usually medium to coarse			
	4.			grained, massive to poorly bedded and have a composition of dirty			
				quartzite to near greywacke. These grey quartzite zones are also			
				brecciated. Intervals of the grey quartzite occur at 23 - 35;			
				82 - 90; 100 - 110; 157-3/4 - 159'.			
				·		,	
				8 - 32 Blocky, some rusty zones caused by weathering			
				of siderite and/or pyrite.			
		<u> </u>					
				82 - 89 Grey quartzite, intensely brecciated,			

			· · · · · · · · · · · · · · · · · · ·	160 - 164 Very blocky, largest piece of core about 2 inches.			
	<u> </u>			189.9 - 191.6 5% disseminated Py. in crystal form, about		i	
				1/16" - 1/32" in size.			
				204 - 205-1/2 1% to 5% disseminated Py. brecciated, 10 - 40%			
				siderite.			
	<u> </u>			213 - 214-1/2 Blocky.			
			 	DIUCKY.	+		
				223-1/2 - 224 Blocky.			
	7	<u> </u>					
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DRILL HOLE INFORMATION

HOLE NO	LOCATION	BEARING/ DIP	TOTAL DEPTH	DATE STARTED	DATE COMPLETED
S-50	0+00N 20+601Y	315°/-45°	3581	Oct.17/75	Oct.19/75
S-51	2+27S 14+75W	180°/-45°	2681	Oct.22/75	Oct.23/75
S-52	2+25S 13+75W	180°/-45°	2581	Oct.23/75	Oct.24/75

Total Footage - 884'

Diamter of Core:

AQ - 1-1/16 inches

Owner/Operator of Drill:

Continental Diamond Drilling Co.

1156 Lariviere Street

P. O. Box 250 Rouyn, P. Q. J9X 5C3

Work Assignment:

Claim S-359344 - 128 days Claim S-359360 - 118 days Claim S-373196 - 234 days

D.D.H.	NO. S-50	0		
CHEET	2	OF	2	

		224 - 232		FOLIA	
		cherty fragments. 236 - 237-1/2			
		247 - 248			
		262 - 263			
		271 - 271-1/2 10% Py. 288 - 288-1/2 Blocky, grey quartzite.			
		288 - 288-1/2 Blocky, grey quartzite.			
		288 - 288-1/2 Blocky, grey quartzite. 312-1/2 - 313-1/2 50% Py, with quartz and siderite in pink quartzite			
		312-1/2 - 313-1/2 50% Py, with quartz and siderite in pink quartzite	 		
		The state of the s	i		
		314-1/2 - 317-1/2 5% disseminated Py. along bedding planes.	1		
		318 - 319 10% Py.			
		700 1/0 704 FB - 008 B - 11 - 008 1 1 - 11	 		
 		322-1/2 - 324 5% to 20% Py. with up to 20% dark green chlorite.	 	ļ	
		337 - 338 Blocky.			
		244 746	 		
 		344 - 346 Blocky.	 	<u> </u>	
		357 - 358 Blocky.	 		
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@യി? Minorale Canada Limited DIAMOND DRILL RECORD

D.D.H. NO.	S-51	
SHEET	. 1	

ROPERTY	SUDBURY	PROJECT -	SCADDING T	OWNSHIP	BEARIN	NG-TRUE	·	180°	
ATITUDE	2+275			_	DIP			-45°	
DNGITUDE_	14+75W				FINAL	DEPTH	268	Feet	
FVATION					COPE	SIZE	AQ.		

DATE STARTED October 22, 1975

DATE COMPLETED October 23, 1975

DRILLED BY Continental

LOGGED BY E. R. Craigie

OF 2

DATE: October 23. 1975 SIGNED En R. Conque

DEPTH FEET	F'TAGE CORED	F'TAGE REC'D	FORMATION	DESCRIPTION	DEPTH	BED'G & FOLIA	REMARKS SAMPLES ETC.
) - 17			Overburden				
					1		
7 - 61	•		Espanola	Limestone: Dark grey to greenish grey to reddish grey: moderately	1		
				hard, fine to medium grained, poorly to well bedded; foliated.			
				brecciated in some intervals. Numerous quartzitic to greywacke and			
				argillitic phases present. Minor sulphides (Py. Po).			
•				Composition: 5 - 15% carbonate (siderite), 15 - 25% biotite and/or			
				chlorite, 40 - 70% quartz, 5 - 15% feldspar, up to			
				10% hematite.			
				17 - 19-1/2 Blocky, weathered zone.			
					56	45°	Bedding
61 -			Keweenawan	Diabase: Black, fine grained, weakly foliated, soft; no sulphides,			
4-1/2				slightly chloritized. Typical diabase texture and composition.		•	
4-1/4 -			Espanola	Limestone: as above unit.			
203				92 - 96 Chlorite along fracture surfaces: 1 - 5% Py.			
				narrow diabase dike at 92 - 92-1/2. Unit is strongly			
				sheared and blocky.			
				99-1/2 - 100 Blocky.			
				102 - 107 As for 92 - 96' heavily chloritized, fractured.			
				1 - 2% Py.	•		
				102-1/2 - 103-1/2 Blocky.			
				131-1/2 - 133 Blocky.			
					137	80°	Bedding
				152-1/2 - 158-1/2 Blocky, 1 - 5% Po. and Py. Weakly foliated,			
				Light to dark grey.			
				185 - 203 Intensely sheared "mylonite", strongly foliated:	187	45°	Bedding
				shear angle at 70 - 80° to core axis			

SHEET 2 OF 2

DEPTH FEET	F'TAGE CORED	F'TAGE REC'D	FORMATION	DESCRIPTION	DEPTH	BED'G & FOLIA	REMARKS SAMPLES ETC.
203 -			Bruce	Conglomerate: Dark grey, moderately hard, fine to medium grained.			
268			51400	massive; fractured in places. 5 - 15% sulphides	1		
				(Py. Po) mainly on fracture surfaces.			
				Composition: 10 - 30% subangular to sub-rounded fragments composed			
				predominantly of quartz and granite set in a greywacke	↓		
	 			matrix made up of 60 - 80% biotite, 20 - 30% quartz,			
				l - 5% feldspar. Fragments vary in size from 1/32" to 1".			
				1/32 (01)	 		
	 			259 - 260 Blocky.	 		
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SHEET

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PROPERTY SUDBURY PROJECT - SCADDING TOWNSHIP LATITUDE 2+25S
LONGITUDE 13+75W
ELEVATION

BEARING—TRUE 180°
DIP -45°
FINAL DEPTH 258 Feet
CORE SIZE AQ

DATE STARTED October 23, 1975

DATE COMPLETED October 24, 1975

DRILLED BY Continental

LOGGED BY E. R. Craigie

DATE: October 25, 1975

SIGNED En R. Canque

DEPTH FEET	F'TAGE CORED	F'TAGE REC'D	FORMATION	DESCRIPTION	DEPTH	BED'G & FOLIA	REMARKS SAMPLES ETC.
0 - 15			Overburden				
15 -			Keweenawan	Diabase: Black, coarse grained at top grading to fine grained at			
39-1/4			Keweellawall	contact with underlying limestone unit. Blocky, ophitic texture.			
33-1/4				Composition: 40% plagioclase, 60% pyroxene.	i		
				28 - 32 Some altered espanola fragments present.	 		
				20 02 00 00 00 00 00 00 00 00 00 00 00 0	 	 	
39-1/4 -			Espanola	Limestone: Greenish grey in upper interval to reddish in central			
258				zone to light grey in lower section. Upper and central zones are			
				strongly brecciated and show considerable shearing and brecciation.			
				especially near contact with diabase, heds are disrupted and sometimes			
				completely destroyed.			
				39-1/4 - 94 Greenish grey limestone, brecciated, soft, altered.	55	60°	
				Bedding is irregular or destroyed. Strongly sheared,			
				medium grained.			
				94 - 172 Reddish limestone, soft, altered and hematitic.			
				Blocky, sheared; beds at about 60° to core axis.			
				Interval is gradational into light grey, unaltered,			
		<u></u>		well bedded, espanola.limestone.			
				172 - 258 Light grey, well bedded, coarse grained, some blocky			
			·	sections near top; grading to dense rock at lower	<u> </u>		
	<u> </u>	<u> </u>		30 feet.	<u> </u>		
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CLAIM LIST

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29 Claims at 40 days - 1,160 51 Claims at 1 day - 51	11 Claims at	30 days	-		· ·	
51 Claims at 1 day - 51	29 Claims at	40 days	•			
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Total days = 1,580 days		•				
	To	tal days	=	1,580 day	S	•

Claims Recorded in Sudbury but Reports of Work and Reports go to Larder Lake - (Kirkland Lake)

Coleman			M.	454		
Harris			M.	493	Maria de la Artesa. La Carta de la	
Bucke			М.	432		
Firstbrook		ı.	М.	475		
Lorrain			М.	536		CONTROL PLANS
South Lorr				591		PLOTTED
Gillies Li				484		
Gillies Li	mit (North	Part)		483		
Hudson			М.	508 ,		
			. ,			

 Lundy
 M. 538

 Barr
 M. 411

 Kittson
 M. 524

 Dymond
 M. 468

NO CONTROL PLANS









