

010

Diamond Drilling

Township of Mitchell

Report No: 13

Work performed by: South Bay Mines

Claim Nº	Hole Nº	Footage	Date	Note
KRI 63483	D- H	1251	July/68	(1)
KRI: 61479	U- 5	123'	Aug/68	(2)
KRI, 61620	U])- 4	476 1	Feb/70	(3)

Notes:

- (1) #51/69
- (2)# 52/69
- (3) #341/70

DIAMOND DRILL RECORD

HOLE 1.3.

ROPERTY UCHI RIVER'- Dome Group - Intercepts 30D - 31E

ELEVATION

SHEET NO

BEARING 125°

TOTAL DEPTH 125'

LOCATION 3 + 75N 1 + 25W

E. J. McCornial

DIP COLLAR -45°

CORE SIZE

ΕX

ΤO	DESCRIPTION	SAMPLE NO.	FROM	то	CORE LENGTH	CORE RECOV-	 ASSAYS		REMARKS
7	CASING								
30.3	DACITE: light grey, fine to very fine grained equigranular, hard rock; composed mainly of feldspars. Some flakes of mica, 8' suspected vesicles with pyrite specks inside. 8.3' pyrrhotite bleb with chalcopyrite speck inside. 8.5' mostly feldspars - rock distinctly crystalline. 13.3 veinlet of quartz-carbonate and mica. 14 - 16 fractures almost across bands of corroded and indistinct phenocrysts. 19', 20' quartz veinlets. 20' well defined phenocrysts of feldspars. 20' well defined phenocrysts of feldspars. 20.3 - 20.5 quartz vein -60° with pyrite crystals alongside it. 20.5 - 20.7 numerous pyrrhotite and pyrite specks with minute grains of chalcopyrit inside. 22.5 - 22.7 quartz vein with pyrite crystals. 25 - 26.7 phenocrysts of feldspar. 26.7 phenocrysts of feldspar. 27 a 1/4" vein of quartz, mica; 28.7 quartz-carbonate veinlet. 30.7 Quartz vein 60° Quartz vein 60°. 31.7 - 32.7 scattered small phenocrysts 33.2 - 33.5	:e							RED LAKE MINING DIV. DEGET VED JUN 1 3 1969 AMARIANA 22 1.55

DIAMOND DRILL RECORD

HOL 10. U4
SHEET NO 2

LOCATION

PROPERTY_

BEARING

DIP COLLAR

ELEVATION

TOTAL DEPTH

CORE SIZE

ST	AR	TEC)

COMPLETED

FROM	то		DESCRIPTION	SAMPLE	FROM	то	CORE	CORE		ASS	SAYS		REMARKS
				NO.			LENGTH	RECOV- ERED					
	;				!	,	·						
: .		36.5 - 36.8	quartz vein.	!	<u> </u>	;							
i		38 - 39	a cherty, bleached band.		•	!		, .		1			
		40 - 41.3	small white phenocrysts and some			;		1	1			į	•
	-	,	criss-crossing quartz carbonate			,		,					
			veinlets.										
		42.5-44.4	small white phenocrysts.								1		
·		44.4-46.2	fine grained band, distinct con- tacts 50°.										
		50 - 56.3	a quartz-feldspar veinlet along	1									
	,		the core - numerous specks of					-			Ì		·
		•	pyrrhotite and pyrite; a few										
	1		of chalcopyrite.		,					1		ļ	RED LAKE
		57.9	coarser, paler rock										REGEIVEM
		62.5-63.3	a fracture with some silica			;				1			
		63.3 - 66	impregnated walls.		1		:	ı					JUN 1 3 1969
,		63.3 - 66	pale coarse rock with indistinct phenocrysts.		:			;		•		ĺ	301V 1 3 1303
		66 - 67	greenish very fine grained, more	:	- 1								7.8.9.10.11.12.1.2.3.4.5.6
	, [basic band - some vesicles.			1					1		(
·	· i	67 - 70.9	coarser mottled white and green.		- !	•	;		!"	1			4
			pale green, very fine grained with				, ,	1					
•		1	chlorite filled vesicles - some	,	į			1	:			.,	·
		, •	spots of pyrite and pyrrhotite			į						İ	
		72.1	quartz veinlet across the core.		:	i i						:	'
		72.1 - 80.4	coarser band - as before 70.9			:				,			·
•	. [but with green, chloritic spots;			:	1			1			,
İ			some with pyrite and pyrrhotite.				:	1]	
		•	A few veinlets of quartz and feld-					,		1.			
`.	ĺ		spars in different directions.			'							
	- 1	78 .3	Pyrite specks increasing.		!	1	, ,		:				
	1	70.3	a 1" quartz vein 600 - 70°.		!	<u> </u>		<u> </u>	<u> </u>				

DRILLED BY_

SIGNED

DIAMOND DRILL RECORD

HOLE . .

SHEET NO

LOCATION

PROPERTY_

ELEVATION

BEARING

TOTAL DEPTH

DIP COLLAR

CORE SIZE

COMPLETED

_		·					517	ARTED				OMPL	EIEU .
<u>, </u>	то	DESCRIPTION	SAMPLE	FROM	τσ	CORE	CORE RECOV-		ASS	SAYS			REMARKS
	.0		NO.			LENGTH	ERED						
		Quartz-carbonate veinlets become more numerous towards bottom. 80.3 A 1/4" veinlet of chalcopyrite.									e e		
3	82.3	SULPHIDES: mainly pyrite and pyrrhotite with occasional streak of chalcopyrite. Pyrite predominates at 81' then pyrrhotite much more abundant.											
3	120.3	Bands of grey, very fine grained, equigranular, well banded, hard siliceous rock with numerous pyrrhotite streaks forming some 10% of the rock and similar rock but with varying number of blue quartz and white feldspar phenocrysts and fragments. Some fragments or inclusions of	1230 1231 1232	82.3 85.0 87.0 89.0 91.0 93.0	82.3 85.0 87.0 91.0 93.0 95.3	2.7 2' 2' 2' 2' 2' 2.3'	2.7 2' 2' 2' 2' 2.3'	0.15 0.07 0.05 0.05 0.01 0.02 0.02	0.02 0.04 0.12 Tr. 0.03 0.16	Nil Tr. Tr. Tr.	Nil Nil Nil Nil Nil Nil Nil		RED LAKE RED LAKE RED LAKE D E E I V E D JUN 1 3 1969 7.8.9.10.11.12.1.2.3.4.5.6
		45°. 89 - 91 sulphides much less abundant 91 - 93 well banded with partings of feldspars; specks of pyrite and pyrrhotite; some chalcopyrite ar sphalerite.											—

DIAMOND DRILL RECORD

HOLENO. U4

DRILLED BY

PROPERTY_

down. END OF HOLE ELEVATION

SHEET NO

BEARING

TOTAL DEPTH

LOCATION

DIP COLLAR

CORE SIZE

LOCATION					DIP COLLAR									
							ST	ARTED			COMPLETED			
FROM	то .	DESCRIPTION	SAMPLE	FROM	то	CORE	CORE			AYS		REMARKS		
PROM	10	DESCRIPTION	NO.	FROM		LENGTH	RECOV- ERED	Cu &	Cu & Zn &		Au	REMARKS		
		95.3 - 96.5 sulphides 20%; 96.5 - 100.8 blue quartz and white tuff framents; 100.8 - 106 coarser, mottled, feldspathic occasional fragments of white tuff and mica flakes. 103 - 103.5 pyrite 10%. 103.5 - 104.5 broken core with chlorite on fractures; 104.5 - 105 core lost; 106 - 120.3 finer grained indistinctly bar tuff with flakes of biotite, pyrrhotite specks and streaks occasional quartz lens. Frage	tuff							- oz,	ton -	RED LAKE MINING DIV. DE IN IS IN IS IN		
		ments and phenocrysts abundant To 114.5 pyrite and pyrrhotite to 5% occasionally with chalco pyrite. 117.5 a 1" quartz vein " " " some pyrrhotite blebs with min chalcopyrite specks, rock dark finer grained, still siliceous a 1" quartz vein.	1236 ute er	113	114.5	1.5	1.5	.03	None	Nil	Nil	DEGETVED JUN 1 3 1969 7.8.9.10.11.12.1.2.3.4.5.6		
120.3	125	ANDESITE TUFF: Green very fine grained equigranular banded rock with chlorite, feldspars, amphibole and mica, banding 50 - 60°. Numerous carbonate-quartz streaks along banding. Bands of green, chloritic and brownish micaceous mater 122.2 looks like graded bedding upsilong.	, ,											

MITCHELL INIT

DIAMOND DRILL RECORD

HOLE O. US

PROPERTY UCHI RIVER - Dome Group - Intercepts 33C-34D

ELEVATION

SHEET NO 1

BEARING 1000

TOTAL DEPTH 123'

LOCATION 4 + 88%

DIP COLLAR -45°

CORE SIZE EX

STARTED Aug. 22 - 1968 COMPLETED Aug. 25 - 1968

FROM	то	DESCRIPTION	SAMPLE	FROM	то	CORE	CORE	ASS	SAYS	REMARKS
	10	beschi non	NO.	FROM	10	LENGTH	RECOV- ERED			NEWARKS
C	2	CASING		·						
2	7.7	RHYOLITE TUFF and FLOWS: Pale grey, fine to medium grained equigranular, hard siliceous rock with biotite flakes. Occasional indistinct feldspar phenocryst 3 - 5 mm. Some fractures in different direction from 250 to 800 to core.								
7.7	13.9	ANDESITE: Green, very fine grained, massive rock with feldspars and chlorite. Some irregular quartz-carbonate veinlets in several directions 20°- 45° to core 16 - 16.9 lenticular fragments enclosed by white carbonate streaks.								REDILAKE DEGET VED
9	23.6	RHYOLITE TUFF: Rock as before 7.7								7.3.9.10.11.12.1.2.3.4.5.6
28.6	59.7	DACITE - ANDESITE: Green very fine grained rock. 28.7 - 32.3 fragmented rock with quartz-carbonate veins between fragments. 34' - some fractures 24.3 - 35.5 fragmented 39' - A few vesicles - possibly a pillow boundary 41 - A carbonate feldspar veinlet - 450 %" mica veinlet - 600 46.2 - 48.4 fragmented rock 48.9 - 49.4 fractures - possibly pillow boundary 59.3 - 52.3 fragmented rock								

DIAMOND DRILL RECORD

HOZEO. US

PROPERTY

ELEVATION

TOTAL DEPTH

CORE SIZE

SHEET NO 2

BEARING

DIP COLLAR

STARTED

COMPLETED

FBOM	то	DESCRIPTION	SAMPLE	FROM	то	CORE	CORE		ASS	SAYS		REMARKS
- 1000	10	DESCRIPTION	NO.	FROM	10	LENGTH	RECOV- ERED	Cu%	Zn%	Ag.	Au	REMARKS
		52.3 - A 1/2" quartz veinlet 53.7 - A 1" quartz veinlet followed by several irregular smaller veinlets to 55' and a few scattered to 59.7 CONTACT 450					-			- oz/	ton -	
59.7		RNYOLITE TUFF: Rock same as before 7.7' DACITE - ANDESITE: Green, fine grained rock as before 59.7 66 - 71 well streaked with carbonate and fragmented at bottom. Banding 40 - 45° 76.5 - 79 - Few irregular veinlets 80 - 82.3 - Well banded 45° 83.8 - 86 - Banded 35°. Somewhat fragmented. 86 - 87.3 - Same as above with streaks of pyrite along banding; thinner pyrrhotite streaks lower. 89 - sheared 35° - 45° pyrrhotite on shear planes From 89.5 vesicles - quartz filled 91 - irregular quartz-carbonate veinlets 35° - Rock in two parts - fine grained banded with flow structure and coarser massive Occasional speck of pyrrhotite with chalcopyrite From 100' - well banded 35° - 40° some mica bands and some lenses of foreign material From 111 - more massive 114' - 114.7 - Bleached pale green From 100' - bands of more basic flows	1237 1238	86 87.3	87 . 3	1.3 1.7			0.06			RED LAKE DEBLY ED JUN 1 3 1969 7.3.9.10.11.12.1.2.3.4.5.5

SIGNED			
SIGNED	 	 	

DIAMOND DRILL RECORD

Hole o. US

DRILLED BY_____

PROPERTY_

ELEVATION

SHEET NO 3

BEARING

TOTAL DEPTH

LOCATION

DIP COLLAR

CORE SIZE

							ST	ARTED		COMPLETED
FROM	то	DESCRIPTI ON	SAMPLE NO.	FROM	то	CORE	CORE RECOV- EREO		ASSAYS	REMARKS
		116 - 116.9 - Pale green dacite: specks of pyrrhotite with chalcopyrite								
	123	END OF HOLE.								
										RED LAKE MINING DIV. DEBETYED JUN 1 3 1969 7.8.9.10.11.12.1.2.3.4.56
•										

DIAMOND DRILL RECORD

No. UD-4

PROPERTY South Bay Mines Ltd. - Uchi River Area - Dome

SHEET No 1

LOCATION 4+35M 00 + 40W

DRILLED BY_

BEARING 100°

SIGNED_

Cl. No. **ELEVATION** TOTAL DEPTH 476' DIP COLLAR 55°, at 200' -63°, at 450' -60° STARTED Feb 26, 1970 COMPLETED March 2, 1970

FROM	то	DESCRIPTI ON		FROM	то	CORE LENGTH	CORE RECOV- ERED	ASSA		ASSAYS		REMARK S
	34	Casing										
J	34	Casing										
34	192	ANDESITE: Medium green, very fine to fine grained, many bands with abundant lenticular amygdules filled with bluish quartz up to about 5 mm in diameter, weak banding at about 20° to 30°; occasional irregular quartz veinlets up to 1" wide. May include some tuffaceous bands.					,			•		JUL 13 1970
192	205	FELDSPAR PORPHYRY: Very fine grained, medium grey matrix; scattered pale grey anhedral feldspar grains up to 2 mm in size, many small flakes biotite. Contacts with andesite sharp but irregular. Some irregular inclusions of silicified andesite containing many stringers pyrrhotite and pyrite between 202' and 204'.	2338	202	204	2	2					
205 .	290	ANDESITE: As before with banding at 20° to 30°. Frequent zones contain stringers and bands pyrite and pyrrhotite up to 1" wide parallel to banding of rock.	2339 2340 2341 2342 2343	209 214 225	209 214 219 228 247							-
290	302	FELDSPAR PORPHYRY: As before. Contacts sharp cutting across banding of andesite.	2344 2345 2346	252 257	257 260 289							

DIAMOND DRILL RECORD

HOLONO. UD-4

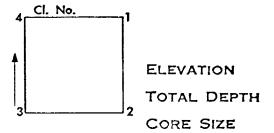
PROPERTY

BEARING

LOCATION

SHEET NO

DIP COLLAR



	LOCATION			OLLAR	ζ								
							STA	ARTED		COMPL	ETED		
FROM	то	DESCRIPTI ON	SAMPLE NO.	FROM	то	CORE LENGTH	CORE RECOV- ERED		ASSAYS		REMARKS		
302	352	ANDESITE: As above; many vesicular bands and frequent stringers pyrite and pyrrhotite parallel to banding. Banding at 20° to 20°.	I	303	305 315				•				
352 •	364	ANDESITE TUFF: Finely banded in shades of greenish grey, generally fine grained with some agglomerat zones. Banding at 25°.	e					-					
364	463	FELDSPAR PORPHYRY: Matrix very fine grained, dark grey, siliceous. Many pale grey sub-hedral feldspar pheno- crysts up to 4 mm in length.	2348	367	369	2							

· ·		Finely banded in shades of greenish grey, generally fine grained with some agglomerat zones. Banding at 25°.	e								
364	463	FELDSPAR PORPHYRY: Matrix very fine grained, dark grey, siliceous. Many pale grey sub-hedral feldspar phenocrysts up to 4 mm in length. Weakly foliated at about 30°. Some irregular pyrite stringers and bands in top 10'. Occasional quartz veinlets up to 1/2" wide. 6" band yellowish rhyolite with sharp contacts at 457'.	2348	367	369	2	2	-			
463	469	DACITE: Light grey, fine grained, partly slightly porphyritic, unbanded, contacts sharp and irregular with narrow chilled margins.									

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JRILLED	P1		

DIAMOND DRILL RECORD

HOLENO. UD-4

DRILLED BY__

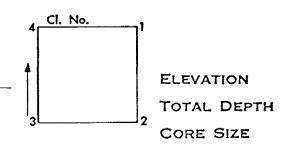
PROPERTY_

SHEET NO 3

LOCATION

BEARING

DIP COLLAR



SIGNED__

							STA	ARTED			COMPLETED
FROM	то	DESCRIPTION	SAMPLE NO.	FROM	то	CORE LENGTH	CORE RECOV- ERED		ASS	SAYS	REMARKS
£ 69	470	As 364' - 463'.									
1 70	470.8	DACITE: As 463 - 469'. Sharp contacts with narrow chilled margins.								-	
≟ 70.8	471	As 364' - 463'.									
171.	476	DACITE: Medium grey, matrix fine grained with many medium sized, indistinct, light grey feldspar phenocrysts. Scattered biotite flakes. Total Depth: 476'.									

CONFEDERATION LAKE KRL 61620 1"= 200 FEET JUL 1 3 1970

Post 4 Posr/ <u>U-4</u> -45° 180:51£ Inch = 200 feet KRL 61481 RED LAKE MINING ON. DEGELVED JUN 1 3 1969 AN 7:8:9:10:11:12:1:2:3:4:5:6 CONFEDERATION LAKE Post 3

Commission of Post 1 1 mch = 200 feet RED LAKE JUN 1 3 1969 7(8:9)10:11:12:1:2:3:4:5:6