

52004NW0005 63E.22 CANNON LAKE

MADSEN RED LAKE GOLD MINES, LIMITED

Ferdinand Lake Option Red Lake Mining Division Ontario

INTRODUCTION

Prospecting, trenching and diamond drilling with a light drill were carried out on a group of claims in the Ferdinand Lake Area, District of Kenora, Patricia Portion, Red Lake Mining Division, Ontario, during the summer and fall of 1969.

The original claims of the group were staked by Daniel Panacheese, Madsen, Ontario, to cover a molybdenite showing located in the west central portion of Claim KRL 71634.

PROPERTY, LOCATION AND ACCESS

The original group consisted of 20 claims, numbered KRL 71625 to KRL 71644, both inclusive, Subsequently twenty-four additional claims, numbered KRL 201596 to KRL 201619, both inclusive, were staked by Madsen and in June, 1969, four claims numbered KRL 223411 to KRL 223414 were added to the group to protect the possible extension of a second molybdenite showing found in the northwest corner of Claim KRL 71642.

The property is located approximately $1\frac{1}{2}$ miles northeast of the northeast end of Ferdinand Lake, 100 air miles east and slightly north from Red Lake and 10 miles west of Slate Falls, on Bamaji Lake at the inlet of the Cat River.

The south boundary of the property lies one mile north of and approximately parallel to the H.E.P.C. power line from Ear Falls to Pickle Crow.

The claims are shown on the Ferdinand Lake claim sheet, Map No. M2151 of the Ontario Department of Mines.

Access is by bush aircraft only. A small, narrow lake called Madsen Lake for convenience, and running east-west in the centre of the group, was used but was not suitable for heavy loads. Fawthrop Lake, to the northwest, and Hailstone Lake, to the west, were used to unload half loads out of the property but Fawthrop Lake is not recommended due to its shallowness.

GENERAL GEOLOGY

The northern third of the property is underlain by granite and granite gneiss, intruded by numerous pegmatite dykes, with generally irregular strikes and dips.

The southern portion is underlain by amphibolite-biotite schists and gneisses, with steep southerly dips and approximately east-

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west strike. A few pegmatite dykes, conformable in strike and dip, were found in this formation.

The contact between the granite and the amphibolite schists runs slightly south of west, just north of the north shore of Madsen Lake, from the west boundary of KRL 71631 to 100 feet east of the west boundary of KRL 71634, where the strike is east-west. From this point, the contact is covered by overburden. It reappears again 1,400 feet to the west where the strike is southwest for 400 feet, when the contact resumes a slightly south of west strike.

ECONOMIC GEOLOGY

The original showing was found just north of the graniteschist contact at the west end of KRL 71634. Molybdenite was found as flakes, crystalline masses and in narrow, short seams over a length of about 200 feet in a zone about 30 to 40 feet wide, in the granite, containing numerous pegmatite dykes and greyish quartz veins. These dykes and veins close to the contact were parallel or nearly so in strike and dip to the contact but in the north part of the zone were apparently rolling with an overall flatter to the south. The guartz veins branch and not all of them are continuous along the whole length of the mineralized zone. Molybdenite was found as disseminated flakes in granite gneiss, as large crystalline masses and disseminations in granite gneiss and pegmatite in and along steep slips and shears, in heavy disseminations and narrow, massive seams in the quartz veins close to both walls and as erratically occurring crystals in the pegmatite.

The second showing was found in the northwest corner of KRL 71642 on a rock knoll overlooking the muskeg area at the north end of the west shore of the small lake in that claim. Molybdenite flakes were found over an area, roughly 200 feet by 100 feet, associated with a highly crenulated and/or rolling quartz vein with an overall flat dip of from 10° to 45° and varying in width from $\frac{1}{2}$ inch to 6 inches, and also associated with narrow, $\frac{1}{2}$ to 4 inches, steep south dipping quartz veins with an approximate east-west strike. The molybdenite flakes were present both in the quartz and in the adjacent granite gneiss.

The steep quartz veins were developed only below the flat quartz vein and the molybdenite was present only up to a vertical depth of about 6 feet below the flat quartz. Pyrite and pyrrhotite with minor chalcopyrite, also associated with the steep quartz veins, appeared to be increasing at this depth below the flat quartz.

In spite of its widespread occurrence in the No. 2 showing, molybdenite in concentrations of interest was found only in Trench No. 12.

DEVELOPMENT WORK

A total of 9 trenches, Nos. 1 to 9, were cut across the molybdenite bearing zone of the No. 1 showing in Claim KRL 71634. Five trenches, Nos. 10 to 14, were excavated on the No. 2 showing in Claim 71042 and four other sections in this claim were trenched on pegmatite dykes in biotite-amphibolite gneiss, containing a few flakes of molybdenite.

In addition, two diamond drill holes, totalling 219 feet, were put down on the No. 1 showing and two holes, totalling 155 feet, on the No. 2 showing. Plans and drill logs, outlining this work, accompany this report.

RESULTS OF SAMPLING

Grab samples were taken from the muck resulting from the initial blasting in the areas of Trench Nos. 1, 5, 6 and 7. A highgrade sample was also picked from these trenches for a spectrographic analysis. Results of assays of these samples are as follows:

Sample No. 851	Assay 2.68% MoS ₂	Remarks High grade specimen from original showing at No. 1 trench.
13029	0.39% MoS ₂	No. 5 trench)
13030	0.60% MoS ₂	No. 6 trench) grabs
13031	0.70% MoS ₂	No. 7 trench)
954	Mo 1 to 10% Bi - not detected	High grade sample from trenches 1, 5, 6, 7

These grab samples were taken from the section in the zone in which each of the above trenches was started and in all these cases the section was relatively high grade.

Representative muck samples were taken along sections of Trenches 8, 6 and 2. The sections sampled are shown on the plan of the No. 1 showing.

	%MOS2		
Sample No.	Assay	Footage	Location
13033	0.62	0.0-4.0 feet	Trench No. 8
13034	1.15	-8.0 feet	north to south
13 035	1.02	-15.0 feet	
13036	0.53	-20.0 feet	
13037	0.58	-25.0 feet	
13038	0.74	-30.0 feet	
13039	0.04	-35.0 feet	
13040	0.56	-40.0 feet	
13041	0.37	-46.0 feet	
13042	0.01	0.0-5.0 feet	Trench No. 6
13043	0.01	-10.0 feet	north to south
13044	0.01	-15.0 feet	
13045	0.01	20.0 feet	
13046	0.16	-25.0 feet	
13047	0.22	-30.0 feet	
13048	. 0,89	-35.0 feet	

(Assay results continued)

and -

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Sample No	Assav	Footage	Location
130/0	nosay 0 61	0.0.40.0 foot	Tronch No. 6
19050	0.01		nemeth to mouth
13020	0.17	-46.0 leet	north to south
13051	0,18	0.0-5.0 feet	Trench No. 2
13052	0.01	-10.0 feet	north to south
13053	0.61	-15.0 feet	
13054	0.31	-20.0 feet	
13055	0.56	-25.0 feet	
13056	0,83	-33.0 feet	

These samples were taken to attempt to approximate a bulk sample on the trenches but it was felt that the results could have been affected by molybdenite spread around by the blasting.

Subsequently, after the trenches had been cleaned, the author mapped the No. 1 showing and sampled those sections which were considered to have sufficient width and chances of continuity to be of interest. The results of this sampling follow:

	% MOS2	· .	
Sample No.	Assay	Footage	Location
13059	0.15	0.0-2.5 feet	Trench No. 5
13060	0.33	0.0-2.0 feet	Trench No. 1
13061	0.08	0.0-5.0 feet	Trench No. 6
13062	0.12	0.0-10.0 feet	south to north

Results of sampling on the No. 2 showing are as follows:

Sample No. 13063 13064 13065 13066	% MoS2 Assay 0.49 0.45 0.25 0.39	Footage 0.0-5.0 feet 0.0-10.0 feet -15.0 feet -19.0 feet	Location Trench No. 12 north to south
8 0	Tr. oz/ton Au.	Grab	Pyrrhotite & pyrite
5303 5304	0.20 0.10	0.0-1.0 feet -4.0 feet	North to south
13057 13058	0.06 0.22	0.0-0.5 feet -3.5 feet	Trench No. 10-west face Vertical sample - top to bottom
13067 13068 13069	Tr. Tr. Tr.	Grab Grab Grab	Trench No. 10 Trench No. 11 Trench No. 12

The section sampled on Trench No. 12 was on a vertical face, above the muskeg surrounding the small lake in Claim KRL 71642. Subsequent blasting removed most of the mineralization, as shown by samples 5563 and 5304, from the face and indicated the possibility that the mineralization here was in a remnant of the flat quartz vein and occurred in an exceptional widening of the vein at the point of a strong roll.

The grabs from the Trenches 10 to 12 were taken away from the molybdenite mineralization and in granite gneiss.

All diamond drill core was split and assayed. Results are shown on the diamond drill logs.

CONCLUSIONS

The diamond drilling, in my opinion, confirmed the theory that all the scattered molybdenite occurrences at the No. 2 showing were associated with a flatly dipping, crenulated, rolling quartz vein which at one time was continuous over the entire area of the No. 2 showing and probably beyond. The absence of similar parallel structures below, at least to the depth covered by the drill holes, and the absence of molybdenite values in the granite gneiss itself, indicates that the possibilities of developing a large, low grade orebody here are extremely remote.

It is believed quite probable that this same flat structure is responsible for the mineralization at the No. 1 showing also, although here the situation would be complicated by small movements along faults or planes parallel to the contact. This would supply an additional reason for the discrepancies between the muck sampling and the later chip sampling and also for the general observation that mineralization on the surface was, in most cases, stronger than in the bottom of the trenches.

In any event, it is my opinion that the results on the work carried out on the No. 1 showing indicate that the possibilities of developing an orebody here are small.

RECOMMENDATIONS

No further work is warranted on these claims and it is recommended that the option be terminated.

- A. Timos

F. A. Innes, B.Sc., P.Eng.

Toronto, Ontario, November 1, 1969. X-RAY ASSAY LABORATORIES LIMITED



5 LESMILL ROAD - DON MILLS, ONTARIO - TELEPHONE 445-5755

Certificate of Analysis

NO. 3049

TO. Madsen Red Lake Gold Mines Ltd., 55 Yonge Street, Suite 1109, Toronto, Ontario.

RECEIVED June 24th, 1969

INVOICE NO. 4240

SAMPLE(S) OF ROCK

SUBMITTED TO US SHOW RESULTS AS FOLLOWS

Element	Sens*	Concentration 954	Element	Sens*	Concentration 954
Antimony	(4)	ND	Manganese	(1)	TL
Arsenic	(4)	ND	Mercury	$(\tilde{4})$	T
Beryllium	(2)	ND	Molvbdenum	(3)	M
Bismuth	(2)	ND	Nickel	(1)	FT
Cadmium	(4)	ND	Silver	(1)	 FT
Cerium	(5)	NF	Tantalum	(5)	ND
Columbium	(4)	ND	Thorium	(3)	ND
Chromium	(4)	ND	Tin	(2)	FT
Cobalt	(3)	ND	Titanium	(2)	TL
Copper	(1)	FT	Tungsten	(4)	ND
Gallium	(2)	FT	Uranjum	(3)	ND
Germanium	(1)	ND	Vanadium	(2)	FT
Iron	(2)	LM	Yttrium	(3)	ר רי
Lead	(2)	ND	Zinc	(4)	- T
Lithium	(4)	L	Zirconium	(4)	Ť

LEGEND

Кеу	To Symbols	*Sensitivity (limit of detection)
H - 10% plus	L - 0.1 - 1%	1- 0.0005-0.001%
MH - 5-15%	TL - 0.05-0.5%	2- 0.001-0.005%
M - 1-10%	T - 0.01-0.1%	3- 0.005- 0.01%
LM - 0.5-5%	FT - 0.01% or less	4- 0.01 - 0.05%
	ND - Not detected	5- 0.05 - 0.1%

Note: Better sensitivities can be obtained with special techniques, if and when required.

C.C.: Mr. F. A. INNES

X-RAY ASSAY LABORATORIES LIMITED

CERTIFIED BY

June 25th, 1969

DATE

ASSAYERS - ANALYTICAL CHEMISTS - SPECTROGRAPHERS



MADSEN RED LAKE GOLD MINES

FERDINAND LAKE OPTION CLAIM MAP Scale: 1"= ±mile Oct. 1962 Ferdinand L 0 · · · · · · · · · · · · · · · ·

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DIAMOND DRILL RECORD

Page No.

Property FERDINAND LAKE OPTION Claim No. KRL 71634

Collar Lat. 0+31 N Dep. 0+90 E Elev. Bearing Scott Dip -42° Final Depth 100.0

 Dip Tests

 Footage
 Angle

 Read
 Corr'd

Hole No.		
Core Size	1/2" (PACK	SACK)
Commenced	Septro 10	5.9
Finished	Sept 23 10	29
Logged by	F.A.INA	IES .

Footage	Description	1		ample		r	Aggev	
Tootage		No.	From	То	Length	Ma5. 4%		
0.0 - 0.1	GREY QUARTE	101	0	5.7	5.7	NI		
01-57	RED PEGMATUTE - Some fine pyrite	A02	5.7	10.0	4.3	Tr		
	and chalcopyrite - Light grey	703	10.0	15.0	5.0	Tr		
	Sections with a little fine Mes.	104	15.0	200	5.0	NI		
	6.4-0.9 27-3.4 4.4-5.7	4.05	20.0	257	57	NI		
		1.06	25.7	32.1	64	T		
3.7 - 25.1	CARLY BIOTITE CRANITE Scinenhal	407	32.1	36.7	4.6			
	gneissic accessional light quante	408	36.7	40.8	4.1	002		
	Teldspar Vein	719	40.8	4.50	.72	008		
	14.7 - 15.0 - grey guarte	410	4.5.0	30 C	5.0	Nil		
	20.2.214 - narrow grey quartz parallel to core	411	500	55.6	5.6.	Al e l		
	22.4-231 - grey to brown silicitied section with a littlefine Mass							
25.7 - 32.0	RED PECKIATITE - Fine ground, almost granitic in centre section	20				1 1 1 1 1		
320 - 36.7	Gury Bionge Chawize Cherss 325-323 - red pequetite	Ne.						
367 - 40.8	WHITE PECHATITE - Course grained considerable gray gtz and a little pyrite	-						
	39.6- ALC Grey gtz AU.C. ACE Grey gtz. and greissic granite centiet parallel to core						1 Di	~~~~
40.8 - 55.6	BIOTITE GARNITE - CHEISSIC				-			
	Occasional Darrow, White,							
	coarse grained pogmatile veri							. }
	F		I.	1	1		1 1	

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Property	· · · · · · · · · · · · · · · · · · ·									
VIULE 1101	Collar	Dip	Tests			Hole	No.	1		
Lat	Dep Elev.	Footage	An	gle		Core	Size		.	
Bearing			Read	Corr	'd	Comme	nced	<i></i>		• • • •
Final Depth.						Finis	hed			
						Logge	d by	•••••	 .	
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Footage	Description		d		Sample		r		lega	,
LOOLABO	Deservetion		No.	From	To	Length	M05. 0%	· · · · · · · · · · · · · · · ·	110 0 4	
mm /	WHITE DEGMATITE	Pink to whit.	e 212	551	600	44	Nº. 1			·
33.6 11.2	MATTE PECTAIned. Co	nsiderable	412	33.6	100.0	50	NI			1
	prev at 2 and a l	ittle pyrite	41.5	60.0	65.0	3.0	001			
	Conciderable Small	red garnets	414	65.0	7/2	6.2				
	Consideration - 65	7 662-661	, 415	712	75.9		001			
	Grey giz - Cent Gar	,	111	75.9	80.0	4.1	Tr			
71.2 - 75.9	GRANITE Greytere	a - Very sligh	thy the	1.51	0	61	NUI			
	912015516 - 00004510119	I very marie	~ 417	800	8.5.6	5.6	A. /			
	pogmatite stringer	- Courser	-718	856	90.8	52	NII			
	granned & pegmatitic	74.7-75.9	119	90.8	95.0	4.2				
	Spack of Mos at	75.5 - Bleer	Ey Are	arn	1000	5.0	ALIL.			
OC1	Annual - Sauce	T - Dack cor	420	13.0						ľ
13.9 -03.6	MAMPHIBOLITE SCHIS	i di di di di								
	- Some blotite - Sc	histosity a		}	1		∦ }			
	45° SC'TO CORE									
	El.6-E3 c - Light all section.	tered Silicitie	-4							
85.6 - 90.8 .	GREY CHEISSIC GRAN.	TE								
	E8.3 89.2 - Kight tin	e-givined	•				f F			
	Shertied Section	with some	*]	
	pyrite on con	tacts					1- 			
	A support State	7 . 15 75.9-85	<i>c</i> .				1			
90.8 - 100.0	2 MINHIBCLITE SCHIS	1 43134 63					di .			
	Serve Sections 90	227557C					1			
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100.0	END OF MOLE.									
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Page No.

Property FERDINAND LAKE OPTION Claim No. K134 71634

Collar Lat. 0.137 N. Dep. 0.135 W. Elev. Bearing South Dip -13° Final Depth 119.61

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Dip Tests Footage Angle Read Corr'd

Hole No.	2
Core Size	18 (PACKSACK)
Commenced.	SEPT 23/69
Finished	SEPT 27/69
Logged by	F.A. INNES

Footage	Description	1	-	Sample		1		Assay	,
	•	No.	From	То	Length	M.5. %	, i		
0.0 - 4.0	CASING	421	4.0	9.0	5.0	Nil			
4.0 - 28.0	RED TO GREY GRANITE -	422	9.0	14.0	50	0.04			
	Somewhat gneissic in sections	423	140	19.0	5.0	$\mathcal{N}.^{I}$			
	10.0-10 5 - grey gts. & pegmatite.	424	19.0	24.0	5.0	\mathcal{N}_{\cdot}			
	12.0 "18"x 3/4" MoSz	425	24.0	28.0	4.0	N.1			
	14 8 - 2" of grey gtz & progmatite	426	28.0	30.3	2.3	7.			
	219 - 4" of red pegmatites grey 912	427	30.3	34.4	4.1	7r			
28 11 - 20 - 21	Decustite Park Course	428	34.4	36.2	1.8	NI			
-0.0 30 3	arcined Grey ats contact	120	36.7	29.2	3.0	NI			
į	provided to core 28.0-28.8.	100	1700	110	4.8	Tr			
	pur criter i conc	730	.37.2	4.0	5.0	NII			
30.3 - 34.4	GREY QUARTZ - Occasional	431	44.0	49.0	5.0	TE			
	Very narrow peginatite vein	432	49.0	ST.V		NI			
		433	54.0	57.0	5.0	0.01			
34.4 - 36.2	GRANITE - as The Let	434	59.0	64.0	5.0	NI			
36.2 - 39.2	GREY QUARTZ - Frequent course	735	64.0	54.0	5.0	N.1			
	grained pegmatite veins	7.36	69.0	79.0	5.0	Nil			
	10-200	431	14.0	1110					
39.2 - 49.0	GPANITE - as 4.0 -08.0								
	42.2 - Small speck of Mosz								
	Den Pink to white	1							
49.0 -54.0	FEGNATILE Some grey gtz.	8							
	coarse granned 9 1 1	1 .	· ·						
54.0 - 76.5	GRANITE-grey to red - gneissic in								
	sections						1	\leq	- 0-
	59.0-61.7 - Ked time-grained granie	1]		12/	E. A	ne
	13.1-74.0 - Grey 972	1	1				1.10		
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Page No. 2

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Clais No. Lat. Dep. Dip Flov. Dip Tests Bearing Dip Contage Angle Corr'd Corres Size Common Cod Plinished Logged by Footage Description No. From To Length 165,22 To 5: 94.0 Cart 4 50 9072 and P2 Cate 7772 433 750 840 550 Mil Signal to 3 redatsk 9 50 9072 1174 433 750 840 550 Mil Signal to 3 redatsk 9 50 972 1174 433 750 840 550 Mil Signal to 3 redatsk 9 50 972 1174 433 750 840 550 Mil Signal to 3 redatsk 9 50 972 1174 433 750 840 550 Mil Signal to 3 redatsk 9 50 972 1174 433 750 840 50 000 Signal to 3 redatsk 9 50 972 1174 433 940 870 91 20 000 Signal to 3 redatsk 9 50 972 1174 433 940 074 050 000 Signal to 3 redatsk 9 50 972 1174 433 940 074 050 000 Signal to 3 redatsk 9 50 000 1174 441 911 8 07 0 20 000 Signal to 3 redatsk 9 50 000 000 000 000 000 000 000 Signal to 3 redatsk 9 50 000 000 000 000 000 000 000 000 00	Property	· · · · · · · · · · · · · · · · · · ·										
Lat. Dep. Dep. Elev. Pootage $ragle Street $	Claim No	Collar	Din Tosts									
Bearing Pinal DepthDipReadCorrid CorridCommenced Pinished Logged byFootageDescriptionNo.From To Logged byCommenced Pinished Logged by76.5: 94.0CREV GORTZ AND PECARSTITE Populaties indicks accorse greated $ReadRead700ReadSampleReadAssayRead76.5: 94.0CREV GORTZ AND PECARSTITEPopulatiesgreatedReadReadRead700ReadSet eSet eSet eReadAssayRead76.5: 94.0CREV GORTZ AND PECARSTITEPopulatiesgreatedReadReadReadRead700ReadSet eSet eSet eAssayRead76.5: 94.0CREV GORTZ AND PECARSTITEPopulatiesReadReadRead700ReadSet eReadAssayRead76.5: 94.0CREV GORTZ AND PECARSTITEPopulatiesReadReadRead700ReadSet eReadAssayRead76.5: 94.0CREV GORTZ AND PECARSTITEREADReadReadReadRead700ReadSet eReadAssayRead76.5: 94.0CREV GORTZ AND PECARSTITEREADRead<$	Lat.	Dep. Elev.	Footage	Angle			Core Size					
Pinal Depth Finished Footage Description No. From To Length MS_{S} 76.5-94.0 GEELY GODESS OND PLECARETIZE 438 790 Stroke Stroke No. 76.5-94.0 GEELY GODESS OND PLECARETIZE 438 790 Stroke Stroke No. 95.5-94.0 GEELY GODESS OND PLECARETIZE 438 790 Stroke Stroke No. 96.5-94.0 GEELY GODESS OND PLECARETIZE 438 790 Stroke Stroke No. Stroke No. Stroke No. Stroke No. Stroke No. Stroke No. Stroke Stroke No. Stroke No.	Bearing	Dip		Read	Corr	'd	Comme	nced	••••••••••••••••••••••••••••••••••••••	• • • • • • • • • • • • • •	• • • • •	
Logged byLogged byFootagePootageDescriptionNo.FromToLength MS_S 76.5.94.0GREY GODOTS WOO PLECADUTTE4387908405.0 MI_1 76.5.93ToTo1007.18.07.202.2083.5.56.0Cense gr. grey growth41291.80.70.2085.5.85.0Cense gr. grey growth41491.80.70.2085.5Sc.0Cense gr. grey growth414906445.085.5Sc.0Cense gr. grey growth414906445.085.5Sc.0Min1496.075.00.0185.5Sc.0Min14916905.0Min96.0Sc.0Min14016905.0Min97.1Scene Institle ScentreScene Scentre144140016905.098.40Scene Institle ScentreScene Institle Scentre1441401905.098.40Scene Institle ScentreScene Institle Scentre1401905.0Ti98.40Scene Institle ScentreScene Institle Scene Institle Sc	Final Depth	•••••]		Finis	h ed		· · · · · · · · ·		
PootageDescriptionNo.FromToLength $M_{0,5}$ (grant $M_{$,			1		Logge	dby	·····	• • • • • • • • • •	• • • • •	
Poolage Description No. From To Length M65, g. 16.5-94.0 GREY GUARTZ AND RECAMATIZE 438 740.840 5.0 M.1 384.0 5.0 M.1 31.1<					4							
No. From To Length 465% 76.5.940 CREV GUARTE OND PEGMATTEL 438 79.0 840 89.0 85.0 No. Paymatte is reduish gecores 439 89.0 89.0 89.0 80.0 50.0 No. Paymatte is reduish gecores 439 89.0 89.0 89.0 80.0	Footage	Description		1-1	L	Sample		r		Assay	,	—
$16.5 \cdot 94.0$ $CRTY \notin GUNCTO AND PEGMATTTE A38 TYDE A38 TYDE A39 B40 Sto Sto Null 32gunulle is reducts accord 439 84.0 89.0 5.0 5.0 5.0 5.0 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.0000 0.000 0.000000$	1000080			No.	From	То	Length	Mos fo				1
16:5:94:0 39milte is reddish governse 439 840 890 5.0 11.1 givenied 940 890 91.1 2.1 2.96 835-800 Course gr. grey granite 19.11 91.8 0.7 2.20 826-89.3 442 91.8 940 3.2 0.22 911-91.8 Cert granite 10.14 143 940 990 5.0 0.01 cours derable 44.5, in rei fine 444 990 5.0 0.01 reis derable 44.5, in rei fine 4490 1040 5.0 11.1 reis 38 X/s. 940-119.0 Annohite 5.04 157 Dark grey 447 1140 1190 5.0 7 30' 45' To core 1076-1090 white pregmatite 119.0 Sch 104, 2 - Nink pregmatite 119.0 END CF HCLE		CPENELLAPTZ AND PL	EGMATITE	438	79.0	840	5.0	N.I				-
grenned grenned 835-800 - Consegregrey groute 835-800 - Consegregrey groute 820-893 - Consegregrey groute 911-918 - Red groute with 913-918 - Red groute with 914-918 - Red groute with 1038 - X/s. 940-119.0 - Marrill Bearte School - Dark grey 1447 1140 1190 50 - Nil 1076-1090 - white pegmatite 1076-1090 - white pegmatite 119.0 END CT HCLE 119.0 END CT HCLE	16.5 94.0	Brannat to is reddish	9CCarse	439	\$4.0	89.0	5.0	NII				
835-860 - Gense gr. grey gran te Adi 91,1 91,8 0.7 0.20 860-89.3 * * * * * 442 91,8 940 32 622 911-91,8 - Red granite kith Add 940 990 5.0 0.01 considerable Mas, in very fine Add 990 646 5.0 Mil reds X/s. 940-119.0 Destruit Belitte Schist - Darkgrey 447 146/1690 1140 5.0 Mil 30°-45° to core 1076-1090 * Mile pegmatite 118.2 * 116.2 * Pink pegmatite 119.0 END OF MCLE 119.0 END OF MCLE		arcined		211	89.0	91.1	2.1	0.96				1
940-119.0 END Cr HCLE 119.0 END Cr HCLE			May aran	Te 11	all	91.8	0.7	0.20				
911-91.8 · Led granite with 143 940 990 5.0 0.01 911-91.8 · Led granite with 143 940 990 5.0 0.01 cense Aurobile Me5, in recy fine 944 990 1040 5.0 Nil 1635" X/s. A45 1040 1090 5.0 Nil 940-119.0 Description School 140 5.0 Nil 50000 biotite School 140 5.0 Tr 50000 biotite School 140 190 5.0 Tr 50000 white pegnatite 1076-1090 · white pegnatite 114.0 · 3" of pink pegnatite 115.2 · 116.2 · Pink pegnatite 119.0 END OF HOLE 119.0 END OF HOLE		83.5-86.0 - Course gr.		112	91.8	940	3.2	0.22				
911-918 - Lead granite Mess in very fine 943 990 104 c 5.0 Nil considerable Mess in very fine 940 1090 5.0 Nil 1038 * X5. 940-1190 940-1190 940-1190 940-1190 940-1190 940-1190 940-1190 940-1190 940-1190 940-1190 940-1190 940-1190 940-1190 940-1190 940-1190 950 77 30' 45' to core 1076-1090 · white pegmatite 1140 · 3" of rink pegmatite 1152-1162 - Pink pegmatite 1190 END CF HCLE 940 940 940 940 940 940 940 940		880-89.3	the south	442	OHO	000	5.0	0.01				
1940-119.0 Secure here is the period it is a second for the period in th		91.1 - 91.8 · Lead grai	sile nin	143	94.0	inur	50	NI				
940-119.0 PADPULLESCHIST-Darkgery Seme bustite Schistesity at 447 1140 119.0 5.0 Nil 30° 45° to core 107.6-109.0 white pegmatite 114.0-3° of Ponk pegmatite 115.2-116.2 - Pink pegmatite 119.0 END OF HOLE 119.0 END OF HOLE		considerable Mes	in very in	444	99.0	109.0		NI.I				1
940-119.0 PARTITE SCH157 - Darkgry A46 1640 1140 5.0 TT Scene bietite - Sch. Stesity at 30°. 45° to core 1076-1090 · white pegmatite 114.0 - 3" of Pink pegmatite 115.2 - 116.2 - Pink pegmatite 119.0 END OF HOLE 447 1140 1190 5.0 TT 119.0 A Group A A A A A A A A A A A A A A A A A A A		10 3/8" X15.		.445	104.0	1090	5.0	NI				}
940-119.0 Some busite - sch stesity at 447 1140 1140 50 11 seme busite - sch stesity at 447 1140 1140 50 11 30° 45° to cere 107.6-109.0 white pegmatite 114.0 - 3" of pink pegmatite 115.2-116.2 - Pink pegmatite 119.0 END OF HOLE 447 1140 1140 1140 500 1140 50 1140 500 1140 500 1140 500 1140 500		ALL ALL DILLE SCH	157 - Darka	AAE	10.9.0	1140	50	TE		Í		[
30° 45° to core 107.6-109.0 white pergmatite 114.0-3" of rink pergmatite 115.2-116.2 - Pink pergmatite 119.0 END OF HOLE 400 AMAGE	94.0 - 119.0	Sama bistite Sch	stesity at	- 447	1140	119.0	10.0					
119.0 END OF HOLE		DAL ANG TO COMP										
1076-1090 While peginatite 11A.0. 3" of rink peginatite 115.2-116.2 - Pink peginatite 119.0 END OF HOLE 4.0.2.1000000000000000000000000000000000			acconstite							İ		1
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119.0 END OF HOLE 4 G. Dan 4 G. Dan		115.2-116.2 - PINK	pegmanna									
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Page No.

311

Property FERDINAND KAKE Option Claim No. KRL 71642 Collar Lat. 6+76 N Dep. 78+05W Elev. - Foot

Bearing NORTH Dip -550 Final Depth 78.0

Dip Tests Footage Angle Read Corr'd

Hole No. 3 Core Size 7/2" (PACASA Commenced SEPT 30/69 Finished Cort 3 169	• • •
Logged by FA INAL	£5

Footage	Description		- <u>-</u>	ample		Aggav		
rootage	Description	No.	From	To	Length	Mas. A	- Ing ba	
0.0 1.0	GREY QUARTZ - occasional SH speck of Masz	mar 11 - 4.48 449	0.0	1.9 2.9	19 10	0.08 Tr		
1.0-1.9	GREY GNEISSIC GRANITE Greiss at chout 60° to cor occasional small Mos spec	950 e - 451 K 452	2.9 5.0 6.9	5.0 6.9 76	2.1 1.9 0.7	7. T. T.		
1.9 - 2.9	QUARTZ AND PECMATITE cocasional Nics, speek.	453 454	7.6	10 0 15 0	2.4	0.04		
1.9 - 6.9	GREY CHEISSIC CRANITE AS 10-19	155 450	15.0 20.0	20 0	3.0	001 NUL		
6.9 - 7.6	GREY QUARTZ - A few Missign	ects 4.58	23.0	30 0	50	Tr		
7.6 - 78.0	GREY GNEISSIC GRANITE 9.0 A " of grey gtz. 170 - Norrow grey gtz stry. 7.0 - 250 A little pyrite, pjrch ond chalcopyrite MeS, apocks at 22.8 4 24.1 32.3 - 2" of grey gtz.		35.0 400 45.0 50.0 55.0 60.0	40.0 45.0 50.0 55.0 60.0 65.0		N.1 Tr N.1 N.1 Tr N.1		
78.0	END OF HELE	-166 -467 -46E	650 700 750	76-0 75.0 78.0	25 C	N.1 N.1 		
						-4- A	fine	<>

Property FERDINAND LAKE CATION Claim No. KRL 71642. Hole No. 7 Dip Tests Collar Lat. 7t.61 N. Dep. 78+81.5W Elev. Footage Core Size 7/2" (packsacr) Angle Bearing Side Dip - 45% Read | Corr'd Commenced QT 5 /69 Finished CC7 9/69 Final Depth 776 Logged by F. A. INNES. Description Footage Sample Assay Length Mos ... No. From To BIOTITE CRANITE - GNEISSIC 169 3.0 30 NI 0.0 0 - 77.0 NI occasional specks of pyrite 2.0 5.0 470 3.0 Nº.1 30 and chalcopyrite -8.0 5.0 471 20 NI 8.0 10.0 4721 3.4' . 12" of grey of 2- Mos, in wells NI 473 100 150 9.3 - 1" " " - Mos, in walls 31.0 - 1/2" " " 5.0 Ar. 1 474 15.0 20.0 5.0 37.4 - 1/4 " - Mes in wells 39.1 - 1" " " 11.1 475 200 250 5.0 \$ N1.1 5.0 476 25.0 30.0 17. 477 300 35.0 5.0 Lineations of 15 30° to core. NI1/ 2.0 178 35.0 370 Tr 479 37.0 40.01 30 77.0 END OF HOLE N.I 50 480 40.0 45.0 NII 5.0 481 45.0 50.0 NI.I 482 500 550 50 NII 183 55.0 60.0 5.0 Nel 49,1 60 0 65 0 50 Nel 485 65.0 70.0 50 NII 186 70.0 75.0 5.0 NI.1 487 75.0 770 2.0



-51°15'



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-51°07'30"

plan no. M.2151 DEPARTMENT OF MINES - ONTARIO -

512 914

* ELAIM 71634 Nº5 TRENCH TRENCH TRENCH Nº9 NOI Nº2 D.D.H#2 -430 119' Granite Gr. Norrow Pag. Dytas f gtif pag Gr. - **6** Oark ste Gr. 160 Bioti 2..... #1205 6 2 W - Priny Ray 1W OE Reg Gr. Grain BASELINE Gripeg OTT Pro Gr.g. Peg. # 13060 2.0 Gr.4 Peg. Gr. GARIAS Phy Pag. i por Ŷ'n. Samples 13051-13056 NE4 TRENCH Nº 3 TRENCH MADSEN RED LAKE GOLD MINES Significant molybdenite in place shown by dots - FERDINAND LANE OPTION 90M05. Assays are Nº I SHOWING SCALE: 1 = 20' ٠ 3E.22 CANNON LAKE 210



------. Gr. Gneiss Cutarop Vertical Samples CLAIM 71642 TRENCH Top to bottom #10 0.22 -113057 0.06 #13058 D.D.H. Flotly 0 #4 Cost dipping 2"-4" gt2 vein with Mos in vein 9 on contacts TRENCH Gr #14 Gneiss G, Otz rein Gne remnants TRENCH #11 15-80 MOFFON 6" flat rolling peg aqta vein with fair Mosa 18- 2 9ts. a 8 sveins in Dork Sc granite in vein ton 2"-4"gneiss contacts TRENCH peg.99tz. veins Some Mos, Vein on east wall of 7+00N #13 trench only. with Mos_ 12-2" flat rolling gtz. Vein in this Vein up to It feet thick at points of rolls. section on both walls & south face Rolls plunge east. Cons. Mos, along this gtz vein. fect Assays are. Molybdenite denoted by dots



