Diamond Drilling

Township of DESROSIERS

Report Nº: 10

Work performed by: Jonsmith Mines Limited

Claim Nº	Hole Nº	Footage	Date	Note
S 105724	#1	156'	Feb/60	
	#1-B	13.7'	Feb/60	
	#4	225'	Mar/60	
	#9	424'	Mar/60	
	#10	391.3'	Mar/60	
S 105731	#2	361'	Feb/60	
	#3	316'	Feb/60	
	#5	282'	Mar/60	
	#6	230'	Mar/60	
	#7	345'	Mar/60	
	#8	419.3'	Mar/60	
	#11	68'	May/60	
	#12	148'	May/60	
	#12-A	53'	May/60	
	#13	85'	June/60	
	#14	207'	June/60	
	#15	201.8'	June/60	
	#16	195'	June/60	
	#17	242'	June/60	
	#18	157'	June/60	

DIAMOND DRILL RECORD

Hole No. 1 Sheet No. 1
Property Jonsmith-Des Rosiers
Drilled by Longyear
Date Begun Feb. 16, 1960
Date Finished Feb. 18, 1960
Contractor's Footage 156'

Picket Line
Co-ordinates Collar
Lat. 826'N Dept. 17E
Elev. Collar S. pit + 2.0'
Bearing Vertical
Angle 90°
Working Place Claim S.105724

Total Depth 156'
Ft. of Core Recovered
% Recovery 98%
Size Bit Used
Size Core BXL

Depth Feet	Formation	Sample No.	Width	MoS2 % Mo.	MO % WO3	% BeO	Value
0.0 5.7	PEGMATITE (2.3' of casing). Pink, coarse grained rock 25% quartz & 75% feldspar. Few specks of molybdenite and some hornblende. Marked for sampling:						
	0.0 - 2.5'		2.5'				
	2.5 - 5.7'		3.2'				
5.7 6.5	PEGMATITE sparse molybdenite except 6.3 to 6.5' at contact which shows molybdenite in patches and veinlets. Marked for sampling:						
	5.7 - 6.5	5927	0.8'	.05	.03		
6.5 11.0	BIOTITE SCHIST altered peridotite for two feet from pegmatite contact. Could be hornblende. Marked for sampling:						
	6.5 - 11.0'	5928	4.5'	.01			
11.0 32.0	PERIDOTITE soft medium grained, gray-green to dark green streaked rock. Altered and serpentinized with some fibrous mineral probably tremolite. Lightly mineralized with pyrtiet and chalcopyrite. Core magnetic. Slip with epidote at 75° to core. Marked for sampling: by E.C. MacLeod						
	29.5 - 30.0'	#2	0.5'			Ni% 0.18	
32.0 41.5	PERIDOTITE with streaks of biotite schist @ 70° to core.						
41.5 46.5	BIOTITE SCHIST peridotite altered by pegmatite intrusive. Marked for sampling:						
	41.5 - 46.5		5.0'				

Log By
for E. L. MacVEIGH

DIAMOND DRILL RECORD

Hole 1 Sheet No. 2 Co-ordinates Collar — Total Depth 156.0
Property Jonsmith Lat. Dept. Ft. of Core Recovered
Drilled by Elev. Collar % Recovery
Date Begun Bearing Size Bit Used
Date Finished Angle Size Core
Contractor's Footage Working Place

Depth Feet	Formation	Sample No.	Width	% Mo.	% WO3	% BiO	Value
46.5 46.9	PEGMATITE Marked for sampling: 46.5 - 46.9		0.4'				
46.9 48.2	BIOTITE SCHIST marked for sampling: 46.9 - 48.2		1.3'				
48.2 57.0	PERIDOTITE with streaks of biotite schist @ 75° to core.						
57.0 70.0	PERIDOTITE serpentinized showgouge and leaching at 66'. Increased amount of mineralization.						
	Sample: for nickel 66.5 - 68.5'	5929	2.3'		Nil .1%		
70.0 98.0	PERIDOTITE gray soft rock with some biotite and light sulphide						
	mineralization. Light shearing @ 75° to core.						
98.0 103.0	PERIDOTITE with streaks of biotite schist.						
103.0 104.5	BIOTITE SCHIST black broken rock with 1" patch of feldspar. Alt-						
	eration shows nearby presence of pegmatite.						
104.5 114.5	PERIDOTITE with streaks of biotite schist.						
114.5 119.5	GRANITE gray medium grained hard rock. Contact with peridotite						
	broken but appears to be steep about 75°.						
119.5 120.5	GRANITE & BIOTITE SCHIST brecciated granite fragments						
	in schist.						
120.5 132.0	GRANITE few chlorite slips at 70° to core. Good contact at						
	132' showing 1" of biotite schist @ 78° to core.						
132.0 137.0	PERIDOTITE ~~dark gray rock somewhat harder than above. Magnetic,~~						
	~~very little mineral.~~						

Log By
for E. L. MacVEIGH

DIAMOND DRILL RECORD

Hole No. 1 Sheet No. 3 | Co-ordinates Collar | Total Depth 156.0'
Property Jonsmith | Lat. Dept. | Ft. of Core Recovered
Drilled by | Elev. Collar | % Recovery
Date Begun | Bearing | Size Bit Used
Date Finished | Angle | Size Core
Contractor's Footage | Working Place

Depth Feet	Formation	Sample No.	Width	% Mo.	% WO3	% CaO	Value
132.0 137.0	PERIDOTITE serpentinized and altered, soft with biotite streaks						
137.0 156.0	PERIDOTITE dark gray rock somewhat harder than above. Magnetic, very little mineral.				Nil		
	Sample E.C. MacLeod. 155.0-155.5 for nickel.	#1	0.5'				
	HOLE END: 156.0'						
	Note: This vertical hole was collared on pegmatite outcrop showing molybdenite ore. Pegmatite was bottomed at 5.7' but may be thin edge or flat branch of more steeply dipping dyke to the northeast of the hole.						

Log By for E. L. MacVEIGH

Ba. Sc.

DIAMOND DRILL RECORD

Hole 1 - B Sheet No. 1 | Picket Line | Total Depth 13.7' / 10.7'
Property Jonsmith Mines | Co-ordinates Collar Lat. 826'N Dep. 18'B | Ft. of Core Recovered
Drilled by Longyear | Elev. Collar S. Pit 2.0' | % Recovery 98%
Date Begun Feb. 17, 1960 | Bearing N. 35° E | Size Bit Used
Date Finished Feb. 17, 1960 | Angle 77° | Size Core BXL
Contractor's Footage 13.7' | Working Place Claim S.105724

Depth Feet	Formation	Sample No.	Width	% Mo.	% WO3	% BeO	Value
0.0	PEGMATITE pink, coarse grained						
4.9	Hard rock 30% quartz and 70% feldspar. Some dark biotite in streaks & patches. Few flakes of molybdenite. Marked for sampling: 00.0 - 2.5' 2.5 - 4.9'						
4.9	DIORITE fine grained dark green,						
13.7	hard rock with schisting at 65° to core. Core non-magnetic.						
	HOLE END - 13.7'						
	Note: This hole drilled from same set up as No. 1 hole by turning head. Note that the diorite does not show the dark schist alteration found in the peridotite at the pegmatite contact.						

Log By [signature]
for E. L. MacVEIGH
B.A., M.S.

DIAMOND DRILL RECORD

Hole No. 4 Sheet No. 1
Property Jonasmith
Drilled by Longyear
Date Begun Mar. 4, 1960
Date Finished Mar. 7, 1960
Contractor's Footage

Co-ordinates Collar
Lat. 813N Dept. 98E.
Elev. Collar No. 1 Collar +12.0
Bearing S 32° W.
Angle 43° 20'
Working Place Claim 105724

Total Depth 225'
Ft. of Core Recovered 225
% Recovery 99.9%
Size Bit Used B.
Size Core BX

Depth Feet	Formation	Sample No.	Width	% Mo.	% WO3	% BeO	Value
0	DIORITE						
4.6	gneissic - banded at 45° to core.						
	Some pyrites. Nodules of pink feldspar. Quartz veinlets and siliceous areas.						
4.6	PEGMATITE						
7.2	Cuts core at 80°. Cuts diorite banding at 60°. A little pyrite at contact. No moly seen.						
7.2	DIORITE						
13.7	as above						
13.7	GRANITE						
18.0	Hard, m.g. with faint banding at 45° to core. Cuts core at 45°.						
18.0	DIORITE						
28.5	as above						
28.5	GRANITE						
29.0	as above						
29.0	DIORITE						
65.8	as above						
65.8	BIOTITE SCHIST (Peg. Gneiss)						
67.1	Chlorite - biotite schist at 45° to core.	(70' to 81.5 Pegmatitan bands in diorite - gneissic appearance. Might be N.P.Z. (North Pit Zone).					
67.1	DIORITE						
70.0	as above						
70.0	PEGMATITE						
71.3	Bands of pegmatite in diorite - no moly. seen						
	SAMPLE 70 - 71.3	5942	1.3	tr.			
71.3	SERPENTINE						
74	Green alteration plus pyrite						

Log By.....
for E. L. MacVEIGH

DIAMOND DRILL RECORD

Hole No. ..... Sheet No. 2 ..... Co-ordinates Collar ..... Total Depth .....
Property ..... Lat. ..... Dept. ..... Ft. of Core Recovered .....
Drilled by ..... Elev. Collar ..... % Recovery .....
Date Begun ..... Bearing ..... Size Bit Used .....
Date Finished ..... Angle ..... Size Core .....
Contractor's Footage ..... Working Place .....

Depth Feet	Formation	Sample No.	Width	% Mo.	% WO3	% BeO	Value
74	DIORITE						
75.2	With narrow bands of red felds-						
	par.						
75.2	DIORITE & PEGMATITE						
80.5	Bands of pegmatite in diorite						
	50-50. A little moly. seen						
	SAMPLE: 75.8 - 80.5	5943	4.7'	0.02			
	PEGMATITE						
80.5	With fine seams of moly.						
81.5	Pegmatite is in irregular chunks						
	in the core and appears to be						
	near the edge of a dike.						
	SAMPLE: 80.5 - 81.5	5944	1.0'	0.02			
81.5	GREENSTONE						
82.3							
82.3	DIORITE						
84.8	With a few narrow bands of red						
	feldspar. Some pyrite						
84.8	DIORITE						
90.5	Banding at 45° to core						
90.5	PEGMATITE						
99.5	in diorite - specks of moly.						
	in pegm. Pyrites in diorite.						
	Pegmatite in chunks in core.						
	Appears that the hole cut						
	in and out of a dike while						
	running near the contact.						
	SAMPLE 90.5 - 94.5	5945	4.0'	0.01			
	SAMPLE 94.5 - 99.5	5946	5.0'	0.01			

Log By .....
for E. L. MacVEIGH

DIAMOND DRILL RECORD

Hole No. [redacted] Sheet No. 3
Property Hemsmith-Desrosiers.
Drilled by
Date Begun
Date Finished
Contractor's Footage

Co-ordinates Collar
Lat. Dept.
Elev. Collar
Bearing
Angle
Working Place

Total Depth
Ft. of Core Recovered
% Recovery
Size Bit Used
Size Core

Depth Feet	Formation	Sample No.	Width	% Mo.	% WO3	% BeO	Value
99.5	PERIDOTITE						
112.6	Biotite schist for a few inches at start.						
112.6	GRANITE						
113.3	Chunk with biotite schist at contacts.						
113.3	BIOTITE SCHIST						
114.7							
114.7	GRANITE						
120.9	Gray, m.g., Granite at 30° to core with 1" Quartz vein along core in first 3'						
120.9	BIOTITE SCHIST						
127.6	with Horn blende and serpentine.						
127.6	PERIDOTITE						
132.8	Massive, dark coloured fine grain magnetic with mineralization.						
132.8	SERICITE SCHIST						
136.4	White to light green, greasy, banded and very soft. Contact at 20° to core.						
136.4	BIOTITE SCHIST						
137.2	Black biotite						
137.2	CONTACT ZONE						
138.	Black smeary, schistose rock						
138.0	FELDSPAR PORPHYRY						
147.5	Hard, white feldspar porphyry with ghost banding at 45° to core. Probably a flow top. Last contact at 45° to core						
	First is 20°. Fine pyrite.						

Log By
for E. L. MacVEIGH

DIAMOND DRILL RECORD

Hole No. 4 Sheet No. 4
Property Jonsmith-Desrosiers.
Drilled by
Date Begun
Date Finished
Contractor's Footage

Co-ordinates Collar
Lat. Dept.
Elev. Collar
Bearing
Angle
Working Place

Total Depth
Ft. of Core Recovered
% Recovery
Size Bit Used
Size Core

Depth Feet	Formation	Sample No.	Width	% Mo.	% WO3	% BeO	Value
147.5 149.7	GREENSTONE Mottled, black biotite in green						
	chloritic schist with schistosity at 45° to core.						
149.7 151.0	GRANITE Fine gr. normal granite at 45°						
	to core.						
151.0 154.0	GREENSTONE Soapy, some pyrite mineralization, 45° to core.						
154.0 155.5	RHYOLITE TUFF Hard, light coloured and banded						
	at 45° to core. 2" chunk granite at end						
155.5 159.	GREENSTONE Very schisty and at 45° to core,						
	some pyrite and some biotite schist.						
159. 160	GRANITE						
160.0	GREENSTONE						
167.3	As above with pyritohedron crystals.						
167.3 168.5	RHYOLITE TUFF Very hard, white to grey and						
	banded at 45° to core.						
168.5 174.9	GREENSTONE As above.						
	173.0 - 174.9 = 1.9' of smears and chunks of moly.						
	SAMPLE 173.0 - 174.9	5960	1.9'	0.07			
174.9 178.3	GRANITE Fin.Gr. and at 45° to core.						

Log By
for E. L. MacVEIGH

DIAMOND DRILL RECORD

Hole No. 4 Sheet No. 5
Property Jonsmith-Desrosiers.
Drilled by
Date Begun
Date Finished
Contractor's Footage

Co-ordinates Collar
Lat. Dept.
Elev. Collar
Bearing
Angle
Working Place

Total Depth
Ft. of Core Recovered
% Recovery
Size Bit Used
Size Core

Depth Feet	Formation	Sample No.	Width	% Mo.	% WO3	% BeO	Value
178.3 213.0	GREENSTONE Banded at 45° to core with some drag folding. Some nearly massive andesite sections. Narrow biotite schist bands. Pyrite - some cubes up to ¼".						
213.0 218.	FAULT Very broken brecciated greenstone with globs of pyrite.						
218.0 225.	GREENSTONE Schisty and broken						
225.	END OF HOLE.						

PROFESSIONAL ENGINEER
JACK G. WILLARS

Log By J. G. Willars, P.Eng.
for E. L. MacVEIGH

DIAMOND DRILL RECORD

Hole 9 Sheet No. 1.
Property Jeansmith-Desrosiers
Drilled by Longyear
Date Begun Mar. 23,1960
Date Finished Mar. 29,1960
Contractor's Footage

Co-ordinates Collar
Lat. 791'N Dep. 209'E.
Elev. Collar -1.9'
Bearing S 29° W.
Angle -43°
Working Place CL. S.105724

Total Depth 424'
Ft. of Core Recovered 424'
% Recovery 99.9%
Size Bit Used B
Size Core BXL.

Depth Feet	Formation	Sample No.	Width	MoS2	% Cu.	% Ni.
0/8	CASING.					
8	QUARTZ DIABASE					
12.5	Coarse grained, grading to fine, grained chilled contact. Massive. Fresh					
12.5	GRANITE					
24.5	Grey to pink, medium grained granite with slightly gneissic texture of mafic minerals.					
24.5	PEGMATITE					
25.6	Cuts core @ 60° contains pyrite and biotite					
25.6	GRANITE					
29.0	As above.					
29.0	PEGMATITE					
30.7	Cuts core @ 45° 25% green, feldspar, 40% pink feldspar, 35% quartz. Some pyrite and a small amount of moly					
	Sample 29.0 - 30.7	5985	1.7'	Tr.		
30.7	DIORITE					
36.8	Well silicified and granitized by quartz stringers. Pyrite mineralization. Epidote banding at 45° to core					
36.8	GRANITE					
37.4	Grey fine grained sharp contact @ 45° to core					

Log By .....
for B. L. MacVEIGH

DIAMOND DRILL RECORD

Hole No. [redacted] Sheet No. 2 Co-ordinates Collar Total Depth

Property Jonsmith-Desrosiers Lat. Dep. Ft. of Core Recovered

Drilled by Elev. Collar % Recovery

Date Begun Bearing Size Bit Used

Date Finished Angle Size Core

Contractor's Footage Working Place

Depth Feet	Formation	Sample No.	Width	~~Oz. % Au~~ MoS_2	% Cu.	% Ni.
37.4 39.1	PEGMATITE As above - no moly seen Cuts the core @ 60°.					
39.1 46.7	GRANITE Grey, medium grained massive granite					
46.7 47.6	DIORITE Granitized					
47.6 55.1	GRANITE As above @ 48.5 a 2" diorite inclusion @ 45° to core					
55.1 76.3	DIORITE Well granitized and containing many lit-par-lit Qtz. stringers Banding @ 45° to core.					
76.3 77.5	GRANITE as above					
77.5 89.0	DIORITE as above 83 - 89 small pegmatite stringers @ irregular angles to core.					
89.0 89.5	GRANITE as above @ 45° to core					
89.5 91.3	DIORITE As above					
91.3 92.5	GRANITE As above					
92.5 125.5	DIORITE As above.					

Log By

for B. L. MacVEIGH

DIAMOND DRILL RECORD

Hole 9 Sheet No. 3 Co-ordinates Collar Total Depth
Property Jonsmith-Desrosiers Lat. Dep. Ft. of Core Recovered
Drilled by Elev. Collar % Recovery
Date Begun Bearing Size Bit Used
Date Finished Angle Size Core
Contractor's Footage Working Place

Depth Feet	Formation	Sample No.	Width	~~%~~ Au.	% Cu.	% Ni.
125.5	GRANITE			MoS_2		
127.7	As above					
127.7	DIORITE					
128.7	As above					
128.7	GRANITE					
130.8	pink, medium grained with					
	gradutional contacts.					
130.8	DIORITE					
138.5	As above					
138.5	GRANITE					
141	Grey variety (45° contact)					
141	PERIDOTITE					
156.5	Granitized peridotite with					
	banding @ 45° to core					
	Magnetic in spots.					
156.5	GRANITE, grey as above					
157.2	@ 45° to the core					
	Barren qtz. at top contact.					
	Seam of pyrrholite @ bottom					
157.2	PERIDOTITE					
163.8	as above - slightly magnetic					
163.8	PEGMATITE					
164.2	With a small amount of moly					
	@ 60° to core					
	SAMPLE 163.8 - 164.2	5986	0.4'	0.01		
164.2	PERIDOTITE					
179.9	Granitized as above					
179.9	DIORITE					
236.6	dark coloured, mottled rock					
	Banding @ 45° to core. Small					
	amount pyrite. Quartz &					
	feldspar stringers irregularly					
	spaced lit-par-lit					
	At 208' white quartz with a					
	little moly. Epidote alteration					

Log By
for B. L. MacVEIGH

DIAMOND DRILL RECORD

Hole No. 9 Sheet No. 4 Co-ordinates Collar
Property Jonsmith-Desrosiers Lat. ..... Dep. .....
Drilled by ..... Elev. Collar .....
Date Begun ..... Bearing .....
Date Finished ..... Angle .....
Contractor's Footage ..... Working Place .....

Total Depth .....
Ft. of Core Recovered .....
% Recovery .....
Size Bit Used .....
Size Core .....

Depth Feet	Formation	Sample No.	Width	% MoS_2	% Ca.	% Ni.
	At 219 white quartz with a little chalcopyrite.					
236.6	DIORITE					
239.9	Very silicified					
239.9	DIORITE					
240.9	Normal as above					
240.9	DIORITE					
244	Very silicified					
244	PERIDOTITE					
250.8	Biotite Schist at lower contact.					
	Well altered peridotite - very greasy and serpentinized. Pydrite mineralization					
	Magnetic @ 245.5 - 3" green serpentine with some moly					
	SAMPLE 245 - 246	5987	1.0'	0.02		
250.8	GRANITE					
257	Normal, pink medium grained granite @ 60° to the core.					
257	PERIDOTITE					
261.7	As above					
261.7	GREENSTONE					
264.3	Altered greenstone with narrow biotite schist bands.					
264.3	GRANITE					
266.	grey, medium grained with greenstone inclusion @ 265.5' Contact @ 45° to core.					

Log By
for E. L. MacVEIGH

DIAMOND DRILL RECORD

Hole No. 9 Sheet No. 5 Co-ordinates Collar
Property Jonsmith-Desrosiers Lat. Dep.
Drilled by Elev. Collar
Date Begun Bearing
Date Finished Angle
Contractor's Footage Working Place

Total Depth
Ft. of Core Recovered
% Recovery
Size Bit Used
Size Core

Depth Feet	Formation	Sample No.	Width	XXX% XX	% Cu.	% Ni.
266.	DIORITE			MoS_2		
268.2	Granitized					
268.2	GRANITE					
273	grey, @ 45° to core					
273	DIORITE					
277.7	As above					
277.7	GRANITE					
279.3	pink, @ 45° to core					
279.3	PEGMATITIC VEIN					
280.5	No moly seen					
280.5	DIORITE					
282.8	As above					
282.8	PEGMATITIC VEIN					
283.8	No moly seen					
283.8	PERIDOTITE					
303.5	As above					
303.5	PEGMATITIC VEIN					
308.	A little moly					
	SAMPLE 303.5 - 308	5988	4.5'	0.01		
308.	PERIDOTITE					
324.5	As above, slightly magnetic.					
324.5	GREENSTONE					
326.5	Schisty, with pyrite					
326.5	GREENSTONE					
327.5	very silicified section					
327.5	GREENSTONE					
380	As above					
380	DIORITE					
382	altered diorite					
382	GREENSTONE					
396	As above					
	@ 394.5 one speck moly in narrow quartz stringer.					
396	GRANITE					
398	Grey to pink, medium					

Log By
for B. L. MacVEIGH

DIAMOND DRILL RECORD

Hole [redacted] 9 Sheet No. 6
Property Jonsmith-Desrosiers
Drilled by
Date Begun
Date Finished
Contractor's Footage

Co-ordinates Collar
Lat. Dep.
Elev. Collar
Bearing
Angle
Working Place

Total Depth
Ft. of Core Recovered
% Recovery
Size Bit Used
Size Core

Depth Feet	Formation	Sample No.	Width	XXX% XX	% Cu.	% Ni.
396.	Grained granite @ 45°			MoS2.		
398	to the core					
398	GREENSTONE					
399	As above					
399	GREENSTONE - FAULT					
401	brecciated greenstone					
401	GREENSTONE					
413	As above					
413	RHYOLITE					
424	Altered by silicification					
	Some sericite noted					
424	END OF HOLE - 424.0'					

J.G. Willars

Log By J.G. Willars, P.Eng.
for B. L. MacVEIGH

DIAMOND DRILL RECORD

Hole No. 10 Sheet No. 1.
Property Jonsmith-Desrosiers
Drilled by Longyear
Date Begun Mar. 29/60
Date Finished Apr. 1/60
Contractor's Footage

Co-ordinates Collar
Lat. 745'N. Dep. 187'E.
Elev. Collar 216
Bearing S 28° W.
Angle - 44°
Working Place CL. S-105731 S-105724

Total Depth 391.3'
Ft. of Core Recovered 391.3
% Recovery 99.9%
Size Bit Used B.
Size Core BXL.

Depth Feet	Formation	Sample No.	Width	XXs. % MoS_2	% Mo.	% Ni.
0	CASING.					
6.						
6.	DIORITE					
23.0	banding @ 45° to core					
23.0	PEGMATITE					
23.8	No moly					
	Contact @ 45° to core and					
	across diorite banding.					
23.8	DIORITE					
29.0	as above					
29.0	PEGMATITE					
30.0	some moly					
30.0	Contact @ 45° to core					
40.8	Sample 29.0 - 30.0	5989	1.0'	0.07	0.04	
	DIORITE					
	silicified zones and epidote					
	Banding at 45° to core.					
40.8	PEGMATITE					
41.3	@ 30° to core and doesn't					
	conform with diorite banding.					
	SAMPLE 40.8 - 41.3	5990	0.5'	tr.		
41.3	DIORITE					
47.6	42-43 some white barren,					
	irregular quartz stringers					
47.6	GRANITE					
48.5	grey, @ 45° to core.					
48.5	DIORITE					
51.5	As above.					
51.5	GRANITE					
53.2	normal pink granite @ 45°					
	to core					
	Much epidotization in the					
	diorite at both contacts.					

Log By .....
for B. L. MacVEIGH

DIAMOND DRILL RECORD

Hole No. 10 Sheet No. 2 Co-ordinates Collar
Property Jonsmith-Desrosiers Lat. Dep.
Drilled by Elev. Collar
Date Begun Bearing
Date Finished Angle
Contractor's Footage Working Place

Total Depth
Ft. of Core Recovered
% Recovery
Size Bit Used
Size Core

Depth Feet	Formation	Sample No.	Width	~~Oz~~ % MoS_2	% Cu.	% Ni.
53.2	DIORITE					
80.0	as above					
80.0	DIORITE					
85.7	granitized and epidotized					
85.7	GRANITE					
102	well fractured grey to pink granite @ 45° to core					
	Sections of well epidotized diorite inclusions @ 92' and 99'.					
102	DIORITE					
114	well epidotized and granitized diorite @ 45° to core.					
114	DIORITE					
116.7	granitized by lit-par- lit injection.					
116.7	GRANITE					
120.9	grey granite, well fractured & re-sealed, @ 20° to the core					
120.5	DIORITE					
132.7	Well granitized diorite as above					
132.7	DIORITE					
143.	Normal diorite with banding @ 45° to core					
	@ 135' - epidote					
143.	GRANITE					
144.7	grey medium grained, @ 45° to core and conformable with diorite					
144.7	PERIDOTITE magnetic					
150.5	light green, pyrite					

Log By
for E. L. MacVEIGH

DIAMOND DRILL RECORD

Hole 10 Sheet No. 3 Co-ordinates Collar Total Depth

Property Jonsmith-Desrosiers. Lat. Dep. Ft. of Core Recovered

Drilled by Elev. Collar % Recovery

Date Begun Bearing Size Bit Used

Date Finished Angle Size Core

Contractor's Footage Working Place

Depth Feet	Formation	Sample No.	Width	~~Oz.~~ % ~~Au.~~ MoS_2	% ~~Cu~~ Mo.	% Ni.
150.5 152.6	DIORITE very well granitized					
152.6 156.3	DIORITE silicified and very vuggy					
156.3 161	GRANITE Grey, ghosty banding @ 45° to core, Contact conformable with diorite.					
161. 181.4	DIORITE - very vuggy epidotized, and silicified, many quartz stringers 168-173 several quartz stringers with considerable moly SAMPLE 168 - 173	5991	6.0'	0.02		
181.4 182.6	QUARTZ with moly @ 35° to core - pegmatitic contacts SAMPLE 181.4- 182.6	5992	1.2'	0.58	0.35	
182.6 192.5	DIORITE epidotized, narrow quartz stringers					
192.5 205.7	DIORITE Well granitized and silicified diorite					
205.7 213.2	GRANITE pink to grey, medium grained @ 60° to core.					
213.3 217.	DIORITE well altered, very soft.					
217 227.4	GRANITE well fractured, pink to grey. Top contact : 45° to core					

Log By

for E. L. MacVEIGH

DIAMOND DRILL RECORD

Hole No. 10 Sheet No. 4 Co-ordinates Collar
Property Jonsmith-Desrosiers Lat. Dep.
Drilled by Elev. Collar
Date Begun Bearing
Date Finished Angle
Contractor's Footage Working Place

Total Depth
Ft. of Core Recovered
% Recovery
Size Bit Used
Size Core

Depth Feet	Formation	Sample No.	Width	~~Oz~~ % MoS_2	% Mo.	% Ni.
227.4	DIORITE					
228.2	altered, with pyrite					
228.2	GRANITE					
228.8	@ 45° to core					
228.8	DIORITE					
230.9	altered.					
230.9	PEGMATITIC VEIN -SOUTH PIT ZONE					
233.	with two narrow diorite inclusions, No moly.					
233.	PEGMATITE -SOUTH PIT ZONE					
246.8	Moly in last part					
	SAMPLES					
	230.9 - 235 no moly	5993	4.1'	0.01		
	235 - 239 one thin seam of moly seen	5994	4.0'	tr.		
	239 - 242 thin seams and specks of moly	5995	3.0'	0.08	0.05	
	242 - 242.6 no moly seen	5996	0.6'	Tr.		
	242.6 - 243.8 more moly than 239 - 242	5997	1.4'	0.17	0.10	
	243.8 - 245 no moly seen	5998	1.2'	Nil	.09	
	245 - 246.8 moly compared to 0.3% MoS_2 assay	5999	1.8'	0.15	0.~~15~~	
246.8	GREENSTONE					
253.7						
253.7	GRANITE					
254.5	grey, fine grained, 45° to core					
254.5	GREENSTONE					
256.1						
256.1	PEGMATITE					
256.4	two pin points of moly					
256.4	GREENSTONE					
271.5						
271.5	PERIDOTITE					
289.5	nearly massive - magnetic					

Log By
for E. L. MacVEIGH

DIAMOND DRILL RECORD

Hole [redacted] 10 Sheet No. 5. Co-ordinates Collar
Prop[redacted] Jonsmith-Desrosiers Lat. ..... Dep. .....
Drilled by ..... Elev. Collar .....
Date Begun ..... Bearing .....
Date Finished ..... Angle .....
Contractor's Footage ..... Working Place .....

Total Depth .....
Ft. of Core Recovered .....
% Recovery .....
Size Bit Used .....
Size Core .....

Depth Feet	Formation	Sample No.	Width	~~Oxs.~~ % MoS_2	% Ox Mo.	% Ni.
289.5	GREENSTONE					
316.7	schisty, chloritic, greenstone					
	banding @ 45° to core					
	@ 312.5 1½" pegmatite vein					
	at 90° to core and large chunk,					
	no moly.					
316.7	PEGMATITIC VEIN					
318.0	pink, pegmatized greenstone					
	speck of moly @ first contact in					
	the greenstone.					
318.0	PERIDOTITE					
327.5	large mottles of light green					
	on dark green					
	Magnetic					
	Moly specks @ 320' to 322'					
	SAMPLE 320.5 - 322.3	6000	1.8'	0.09	0.05	
327.5	GREENSTONE					
346.5	Moly smears for 2" @ 334.2'					
	At 342 - 1½" white barren					
	quartz @ 60° to core.					
346.5	PERIDOTITE					
351.5						
351.5	PEGMATITIC VEIN					
369.8	NO. 2 ZONE					
	Banding folded					
	Original rock appears to have					
	been rhyolite. Been severely					
	silicified to vein material					
	Odd specks of moly spaced about	5'				
	apart in three places.					
369.8	GREENSTONE					
370.5	very much altered.					

Log By .....
for E. L. MacVEIGH

DIAMOND DRILL RECORD

Hole No. 10 Sheet No. 6 Co-ordinates Collar
Property Jonesmith-Desrosiers Lat. ..... Dep. .....
Drilled by ..... Elev. Collar .....
Date Begun ..... Bearing .....
Date Finished ..... Angle .....
Contractor's Footage ..... Working Place .....

Total Depth .....
Ft. of Core Recovered .....
% Recovery .....
Size Bit Used .....
Size Core .....

Depth Feet	Formation	Sample No.	Width	%max Ax	% Cu.	% Ni.
370.5	GRANITE			MoS_2		
371.7	grey, with ghosty banding					
	@ 45° to core.					
371.7	GREENSTONE					
376	Moly smears @ 372'					
376.	PEGMATITIC VEIN					
376.7	No moly					
376.7	GRANITE					
380.7	grey, massive granite					
380.7	FAULT BRECCIA					
383.9	The last foot is a real mud					
	gouge with breccia fragments.					
	The fragments are pegmatitic					
	material.					
	Still is No. 2 Zone.					
383.9	RHYOLITE					
390.3	well banded, typical rhyolite					
	No silicification or granitiza-					
	tion.					
390.3	GRANITE					
391.3	grey, well fractured.					
391.3	END OF HOLE 391.3'					

J.G. Willars

Log By J.G. Willars, P.Eng.
for B. L. MacVEIGH

DIAMOND DRILL RECORD

Hole 2 Sheet No. 1
Property Jonsmith Des Rosiers
Drilled by Longyear
Date Begun Feb. 19, 1960
Date Finished Feb. 25, 1960
Contractor's Footage 361.0'

Picket line
Co-ordinates: Collar
Lat. 655'N Dep. 60'E
Elev. Collar S. pit + 21.5'
Bearing S 20° W
Angle 45° 21
Working Place Claim S.105787

Total Depth 361.0'
Ft. of Core Recovered 343.4
% Recovery 92.2%
Size Bit Used
Size Core EXL

Depth Feet	Formation	Sample No.	Width	% Mo.	% WO3	% MoO	Value
0.0 5.0	CASING						
5.0 11.0	DIORITE Fine grained dark green hard rock with schistosity at 45° to core. Same rock as found in hole 1-B.						
11.0 33.0	RHYOLITE TUFF dark to light gray very hard thin banded rock with banding (bedding) @ 45° to core. Some bands of green chlorite. Contact with diorite shows schistosity in diorite conformable with bedding in rhyolite tuff. Contact with granite pyritized from 31 to 33 feet. Sample for gold: 30.4 - 33.0'	5930	2.6'		Ons. Au. Tr		
33.0 55.1	GRANITE gray, medium grained to fine grained rock. Contact with rhyolite lost. 2" of 50% pyrite near contact. Slips at 60° to core.						
55.1 63.5	PEGMATITE as above 40% quartz 60% feldspar. Few scattered spots of molybdenite and one blob at 58.0'. Some molybdenite may be lost at slip faces in pegmatite which show smears of molybdenite and green powellite. Marked for sampling:						
	55.1 - 57.0	5926	1.9'	.50	.48		
	57.0 - 59.5		2.5'				
	59.5 - 61.0		1.5'				
	61.0 - 64.0		3.0'				
63.5 64.0	BIOTITE SCHIST altered wall rock included in above sample.						

Log By
for E. L. MacVEIGH

DIAMOND DRILL RECORD

Hole 2 Sheet No. 2 Co-ordinates Collar Total Depth 361.0
Property Jonsmith Des Rosiers. Lat. Dept. Ft. of Core Recovered
Drilled by Elev. Collar % Recovery
Date Begun Bearing Size BR Used
Date Finished Angle Size Core
Contractor's Footage Working Place

Depth Feet	Formation	Sample No.	Width	% Mo.	% WO3	% BiO	Value
64.0 70.2	RHYOLITE light coloured hard rock showing indistinct bedding with interbedded chlorite bands up to 8" which may be narrow intrusives.						
70.2 72.2	PEGMATITE as above some moly in small streaks. WIRE LINE DRILLING STARTED AT 71'. Marked for sampling: 70.2 - 72.2	WIRE LINE HERE TO END OF HOLE. 00 to 71' was BXL.	2.0'				
72.2 72.8	BIOTITE SCHIST						
72.8 74.7	PEGMATITE white siliceous dyke with few specks of molybdenite. Sample: 72.8 - 74.7		1.9'				
74.7 81.0	PERIDOTITE 50% altered to biotite schist. Sample: 74.7 - 81.0		6.3'				
81.0 100.0	PERIDOTITE soft green rock with streaks of biotite schist. Shistosity @ 25° to core. More than average amount of mineralization.						
100.0 103.7	BIOTITE SCHIST altered peridotite. Sample: 100.0 - 103.7	5922	3.7'	TR			
103.7 107.7	PEGMATITE as above good showing of moly from 107.0 to 107.4. Samples: 103.7 - 106.7 106.7 - 107.7	5923 5924	3.0' 1.0'	TR 2.64	1.58		
107.7 112.8	GREENSTONE basalt, fine grained green chloritized rock with light shearing @ 60° to core. Note that no biotite schist is developed at pegmatite contacts.						

Log By
for E. L. MacVEIGH

DIAMOND DRILL RECORD

Hole 2 Sheet No. 3 Co-ordinates Collar Total Depth 361.0'
Property Jonsmith Des Rosiers. Lat. Dept. Ft. of Core Recovered
Drilled by Elev. Collar % Recovery
Date Begun Bearing Size Bit Used
Date Finished Angle Size Core
Contractor's Footage Working Place

Depth Feet	Formation	Sample No.	Width	% MoS_2	% WO_3	% BeO	Value
112.8 114.6	PEGMATITE as above. Core broken and partly lost. Few spots of Moly. Sample: 112.8 - 114.6	5925	1.8'	NIL			
114.6 142.7	GREENSTONE as above chloritized with black streaks and some green epidote, ½" pegmatite vein with moly @ 131'.						
142.7 144.5	PEGMATITE with black streaks of chlorite and few specks of moly. Sample: 142.7 - 144.5	5921	1.8'	NIL			
	Dyke contacts appear flat to core.						
144.5 180.8	GREENSTONE altered to hornblende schist and light sulphide mineralization. Might be a basic intrusive. Core non-magnetic.						
180.8 191.0	PEGMATITE pink rock at contacts but rest of dyke gray. Contacts indistinct but appear about normal to core. From 185.8 to 191.0 moly shows throughout as disseminated crystals and a few veins of moly. Samples: 180.8 - 185.8	5919	5.0'	.02	.01		
	185.8 - 191.0	5920	5.2'	.50	.30		
191.0 193.4	GREENSTONE as above						
193.4 203.6	PEGMATITE hard siliceous red to gray rock. Core broken and much core lost. Lost core: 194.3 - 195.5						
	197.4 - 19818						
	200.0 - 200.7						
	201.2 - 202.0						
	202.3 - 203.0						
	Lost total 4.8'						

Log By
for E. L. MacVEIGH

DIAMOND DRILL RECORD

Hole No. 2 Sheet No. 4 Co-ordinates Collar
Property Jonsmith Des Rosiers. Lat. Dept.
Drilled by Elev. Collar
Date Begun Bearing
Date Finished Angle
Contractor's Footage Working Place

Total Depth 361.0'
Ft. of Core Recovered
% Recovery
Size Bit Used
Size Core

Depth Feet	Formation	Sample No.	Width	% Mo.	% WO3	% BeO	Value
203.6 216.7	GREENSTONE as above						
216.7 218.4	GRANITE upper contact @ 40° to core. Lower contact @ 20° to core. Dark red rock with light pyritization.						
218.4 224.7	GREENSTONE as above						
224.7 230.0	DIABASE fresh, hard gray-green rock. Medium grained. Contacts @ 20° to core.						
230.0 239.6	GREENSTONE as above						
239.6 267.0	GREENSTONE highly altered schist with streaks of chlorite and epidote & calcite vein material.						
267.0 270.0	PEGMATITE red dyke rock chiefly feldspar. No moly. Contacts @ 20° to core.						
270.0 286.0	GREENSTONE as above. Some moly on slip faces as smears.						
286.0 292.5	PERIDOTITE gray soft & altered with shearing @ 30° to core. Core magnetic with fair pyrite.						
292.5 300.5	DIORITE as above						
300.5 304.2	GREENSTONE as above						
304.2 320.0	PERIDOTITE as above. Core magnetic with fair pyrite. Marked for nickel sampling: (see page 5)						

Log By
for E. L. MacVEIGH

DIAMOND DRILL RECORD

Hole No. 2 Sheet No. 5
Property Jonsmith Des Rosiers
Drilled by
Date Begun
Date Finished
Contractor's Footage

Co-ordinates Collar
Lat. Dept.
Elev. Collar
Bearing
Angle
Working Place

Total Depth 361.0'
Ft. of Core Recovered
% Recovery
Size BH Used
Size Core

Depth Feet	Formation	Sample No.	Width	% Mo.	% WO3	% BeO	Value
304.2	Cont. Samples:						
320.0	306.0 - 311.0		5.0'				
	311.0 - 316.0		5.0'				
	316.0 - 320.0		4.0'				
320.0	PERIDOTITE as above, green &						
325.5	altered with biotite schist near						
	pegmatite contacts.						
325.5	PEGMATITE with chlorite & chal-						
327.0	copyrite, no moly.						
327.0	CHLORITE SCHIST well mineral-						
328.4	ized with chalcopyrite & mag-						
	netite. Sample for copper &						
	nickel: 327.0 - 328.4		1.4'				
328.4	PEGMATITE 50% quartz & 50%						
330.6	feldspar. Few specks of moly.						
	contacts normal to core.						
330.6	DIORITE as above.						
334.7							
334.7	GREENSTONE ? green to dark						
352.2	rock sheared & pyritized. Slight-						
	ly magnetic. Much core lost by						
	dropping core during wire line						
	drilling and no method of reclaim-						
	ing. 7' lost by drilling while						
	core barrel was hung up in rods.						
	Core lost: 336.1 - 343.9						
	345.8 - 347.0						
	355.0 - 356.6						
	356.8 - 359.0						
352.2	DIORITE as above. Core altered						
361.0	and chloritized.						
	HOLE END 361.0'						

(see continuation p. 6)

Log By
for E. L. MacVEIGH

DIAMOND DRILL RECORD

Hole [redacted] 2 Sheet No. 6 Co-ordinates Collar
Property Consmith Des Rosiers. Lat. Dept.
Drilled by Elev. Collar
Date Begun Bearing
Date Finished Angle
Contractor's Footage Working Place

Total Depth 361.0'
Ft. of Core Recovered
% Recovery
Size Bit Used
Size Core

Depth Feet	Formation	Sample No.	Width	% Mo.	% WO3	% BeO	Value
	Cont.						
	Note: Hole continued to depth because of pegmatite dyke intersections. However little moly showed beyond 191'						
	Fair mineralization is associated with altered peridotite from 286' to bottom of hole.						
	PEGMATITE INTERSECTIONS:						
	moly 55.1 - 63.5 - 8.4'						
	moly " 70.2 - 72.2 - 2.0'						
	72.8 - 74.7 - 1.9'						
	moly 103.7 - 107.7 - 4.0'						
	112.8 - 114.6 - 1.8'						
	142.7 - 144.5 - 1.8'						
	moly 180.8 - 191.0 - 10.2'						
	193.4 - 203.6 - 10.2'	(much lost core here.)					
	267.0 - 270.0 - 3.0'						
	325.5 - 327.0 - 1.5'						
	328.4 - 330.6 - 2.2'						
	Total 47.0'						

Log By C. Greenhough
for E. L. MacVEIGH
B.A., M.S.

DIAMOND DRILL RECORD

Hole [redacted]1-3 Sheet No. 1
Property Jonsmith-Des Rosiers
Drilled by Longyear
Date Begun Feb. 26, 1960
Date Finished Mar. 4, 1960
Contractor's Footage

Picket Line
Co-ordinates Collar
Lat. 727' N. Dept. 97' E.
Elev. Collar No. 1 Collar + 10.1'
Bearing S. 28° W.
Angle 45°
Working Place Claim S.105731

Total Depth 316'
Ft. of Core Recovered
% Recovery 99%
Size Bit Used
Size Core BXL_A

Depth Feet	Formation	Sample No.	Width	% Mo.	% WO3	% BeO	Value
0.0	CASING						
7.0							
7.0	(Casing core from 5' on to 7.0')						
7.9	(Rhyolite)						
	RHYOLITE TUFF hard siliceous, bedding at 45° to core Gray colour.						
7.9	DIORITE gray-green rock with						
9.7	diabase texture. Contact at core and conformable with						
	bedding in rhyolite sheared at 45°						
9.7	PERIDOTITE pink rock with						
13.8	flecks of horn-blende and sparse moly. Dyke contacts normal to						
	shearing in diorite and 45° to core. Dyke shows 1½" of						
	white alteration (siliceous) at lower contact with some moly.						
	Marked for sampling: 9.7 - 13.8	5934	4.1'	0.01			
13.8	DIORITE as above.						
35.0	Few narrow quartz veins @ 45°						
	to core						
35.0	PEGMATITE Pink rock, mostly						
37.1	Feldspar with contacts at						
	45°. Sparse disseminated moly.						
	Sample 35.0 - 37.1	5935	2.1'	Nil			

Log By
for E. L. MacVEIGH

DIAMOND DRILL RECORD

Hole No. 3 Sheet No. 2 Co-ordinates Collar
Property Jamsmith - DesRosiers Lat. Dept.
Drilled by Longyear Elev. Collar
Date Began Bearing
Date Finished Angle
Contractor's Footage Working Place

Total Depth 316'
Ft. of Core Recovered
% Recovery
Size BR Used
Size Core

Depth Feet	Formation	Sample No.	Width	% Mo.	% WO3	% BeO	Value
37.1 47.8	DIORITE & PEGMATITE . Schisted at 45° to core and feldspathic giving gneissic appearance. Includes short pegmatite sections. Sparse Moly.						
	Samples: 37.1 - 43.0'	5936	5.9'	Nil.			
	43.0 - 47.8	5937	4.8'	Nil.			
47.8 49.7	PEGMATITE. 50% Quartz. Upper Contact @ 20° to core. Some moly. as disseminated grains and streaks.						
	Sample: 47.8 - 49.7	5938	1.9'	tr.			
49.7 60.0	DIORITE gneissic texture with numerous quartz veinlets and feldspar streaks @ 45° to core. 4" feldspar dike @ 56.5'.						
	1" dyke @ 60'. Very sparse Moly. Sample if above samples carry significant moly:						
	Samples: 49.7 - 53.2		3.5'				
	53.2 - 58.2		5.0'				
	58.2 - 60.0		1.8'				
60.0 63.7	DIORITE as above sheared @ 45° to core						
73.7 66.4	DIORITE & PEGMATITE as above No Moly. visible.						
	Sample: 63.7 - 66.4		2.7'				
66.4 72.0	DIORITE as above. Shearing @ 45° to core						
72.0	RHYOLITE hard siliceous rocks, light pyritization						

Log By
for E. L. MacVEIGH

DIAMOND DRILL RECORD

Hole No. 3 Sheet No. 3
Property: Jonsmith-Desrosiers
Drilled by
Date Begun
Date Finished
Contractor's Footage

Co-ordinates Collar
Lat. Dept.
Elev. Collar
Bearing
Angle
Working Place

Total Depth
Ft. of Core Recovered
% Recovery
Size Bit Used
Size Core

Depth Feet	Formation	Sample No.	Width	% Mo.	% WO3	% BeO	Value
72.0	CONT'd: and some chlorite.						
83.7	Bedding appears to be 45° to						
	core and contact with diorite						
	confirmable. 1½" Pegmatite @						
	79.8' - 90° to core.						
83.7	BIOTITE SCHIST altered						
85.6	peridotite						
85.6	TALC Altered peridotite near						
90.7	granite, Magnetic.						
90.7	GRANITE gray to pink medium						
93.4	grained hard rock. Contacts						
	at 30° to core with several						
	inches of biotite schist						
	developed in perioditite at both						
	contacts.						
93.4	TALC. altered peride-						
97.5	tite						
97.5	PERIDOTITE bleached and						
111.0	altered, core magnetic						
111.0	HORNBLEND SCHIST altered						
113.4	peridotite at granite contact.						
113.4	GRANITE Upper contact with						
137.1	schist @ 30° to core. Medium						
	grained gray rock. Lower						
	contact 60° to core.						
137.1	PERIDOTITE Serpentinized and						
151.0	talcose. Fairly well pyritized						

Log By
for E. L. MacVEIGH

DIAMOND DRILL RECORD

Hole No. 3 Sheet No. 4
Property. Jonsmith-Desrosiers
Drilled by
Date Begun
Date Finished
Contractor's Footage

Co-ordinates Collar
Lat. Dept.
Elev. Collar
Bearing
Angle
Working Place

Total Depth
Ft. of Core Recovered
% Recovery
Size Bit Used
Size Core

Depth Feet	Formation	Sample No.	Width	% Mo.	% WO3	% BeO	Value
151.0 157.0	PEGMATITE white dyke. Considerable quartz and some white feldspar contacts @ 50° to core. No Moly.	Projection of S. Pit Pogmatite ?					
157.0 172.3	PERIDOTITE highly schisted and contorted and serpentinized. Some pyrite and rare crystal of moly						
172.3 176.0	GREENSTONE green, dense grained, non-magnetic rock. Contacts at 60° with core.						
176.0 196.2	PERIDOTITE biotite schist and dark fine grained rock at start of peridotite. Talcese and altered from 181' on						
196.2 233.0	GREENSTONE Green dense grained rock highly sheared in sections to chlorite schist. Pyrite on slip faces. Contact at 45° to core. Schistosity variable from 45° to 80° to core. Sand throughout core box. 2 @ 228.4 -228.4 qu.vein or peg vein @ 60° to core @ 229.6 - 230 qu. vein or peg. vein @ 60° to core @ 212.3, smear of moly. on slip face.						

Log By
for E. L. MacVEIGH

DIAMOND DRILL RECORD

Hole No. [redacted]3 Sheet No. 5.
Property Jonsmith-Desrosiers.
Drilled by
Date Begun
Date Finished
Contractor's Footage

Co-ordinates Collar
Lat. Dept.
Elev. Collar
Bearing
Angle
Working Place

Total Depth
Ft. of Core Recovered
% Recovery
Size Bit Used
Size Core

Depth Feet	Formation	Sample No.	Width	% Mo.	% WO3	% BeO	Value
233.0 237.1	FAULT ZONE broken and brecciated greenstone with 8" biotite schist. Drillers report sand and core. Cement required. Shearing @ 45° to core.						
237.1 255.9	GREENSTONE as above⁊ Moly @ 248.2'						
255.9 260.0	GRANITE contact @ 45° to core. Broken along slips at various angles.						
260.0 263.0	GREENSTONE highly sheared and broken with greenstone pebbles from 261-262 and 264 - 265'. Core sheared from 45° to 80° angles.						
263.0 265.0	GRANITE as above						
265.0 274.2	GREENSTONE sheared and broken as above						
274.2 287.5	GREENSTONE sheared and broken with moly. showing as disseminated grains and smears throughout.						
	SAMPLES: 274.2 - 277.2	5939	3.0'	tr.			
	277.2 - 282.5	5940	5.3'	.04			
	282.5 - 287.5	5941	5.0'	.02			
287.5 291.7	GREENSTONE less broken with large pyrite cubes. No moly.						

Log By
for E. L. MacVEIGH

DIAMOND DRILL RECORD

Hole No. 3 Sheet No. 6
Property Jonsmith-Desrosiers
Drilled by
Date Begun
Date Finished
Contractor's Footage

Co-ordinates Collar
Lat. Dept.
Elev. Collar
Bearing
Angle
Working Place

Total Depth
Ft. of Core Recovered
% Recovery
Size Bit Used
Size Core

Depth Feet	Formation	Sample No.	Width	% Mo.	% WO3	% BeO	Value
291.7 292.7	PEGMATITE pink dyke with biotite contacts, irregular. No moly.						
292.7 298.5	GREENSTONE sheared and broken						
	Mar.3rd. hole @ 300' in greenstone						
298.5 300.00	PERIDOTITE -massive black to green with some pyrite						
300.00 310.6	GREENSTONE - pyrite sheared plus epidote						
310.6 316.	PERIDOTITE - massive black to green with some pyrite mineralization.						
316.0	END OF HOLE - 316'						

Log By J.G.Williams, P.Eng.
for E. L. MacVEIGH

DIAMOND DRILL RECORD

Hole No. 5 Sheet No. 1 Co-ordinates Collar
Property Jonsmith -Desrosiers Lat. 5+80 N Dept. 100'W.
Drilled by Longyear Elev. Collar 2.75 Bearing N.61° E.
Date Begun Mar. 9,1960 Angle -45°
Date Finished Mar. 12,1960. Working Place Claim S 105731
Contractor's Footage

Total Depth 282'
Ft. of Core Recovered 282'
% Recovery 99.9%
Size Bit Used B.
Size Core BXL

Depth Feet	Formation	Sample No.	Width	% Mo.	% WO3	% BeO	Value
0.0	CASING.						
5.7							
5.7	GREENSTONE						
17.3	Schisted & metamorphosed greenstone at 45° to core.						
	Rust on fracture slips at 45° to core						
17.3	GRANITE						
28.0	First contact at 30° to core.						
	Fine pyrite mineralization						
	Dark mafic minerals from a a banded pattern at 45° to core						
	@ 25'.5 - 2" Pegmatite						
	@ 27.0' - ½" Pegmatite						
	A few Quartz stringers in last four feet.also						
	No moly.						
	Grey coloured.						
28.0	GREENSTONE						
38.5	Very crumbly, schisted with chlorite & biotite @ 45° to core						
	At 33' a 2" chunk of pegmatite.						
38.5	RHYOLITE TUFF.						
45.8	Very hard, white grey banded rhyolite with contacts @ 40° to core.						
45.8	GRANITE						
48.0	Grey, medium grained,						
48.0	RHYOLITE TUFF						
50.0	As above						
50.0	GREENSTONE						
50.2	altered						
50.2	RHYOLITE TUFF						
53.	as above						

Log By
for E. L. MacVEIGH

DIAMOND DRILL RECORD

Hole 5 Sheet No. 2
Property Jonsmith-Desrosiers.
Drilled by
Date Begun
Date Finished
Contractor's Footage

Co-ordinates Collar
Lat. Dept.
Elev. Collar
Bearing
Angle
Working Place

Total Depth
Ft. of Core Recovered
% Recovery
Size Bit Used
Size Core

Depth Feet	Formation	Sample No.	Width	% Mo.	% WO3	% BeO	Value
52.0	GREENSTONE						
53.2	as above						
53.2	RHYOLITE TUFF						
66	As above						
66	GRANITE						
71.7							
71.7	GRANITIZED RHYOLITE						
80.0	Siliceous, pink to white, hard rock with banding and same texture as the rhyolite tuff.						
	74 - 74.8 is brecciated						
	79.3 - 81.2 is brecciated						
	--FAULT --						
80.0	GRANITE						
83.2	As above.						
83.2	PEGMATITE STRINGERS						
84.4	in greenstone						
84.4	GREENSTONE						
132.9	Mottled with 1" mottles and epidotized with a few white quartz and calcite stringers parallel to the schistosity at 60° to core.						
	@ 116.5 - 3/4" pegmatite at 30° to core						
	@ 117 1/8" vein flourite						
	@ 123.5 - chunk PEGM.						
132.9	PEGMATITE						
133.6	Pegmatite at 60° to core						
	Some moly. seen.						
	SAMPLE 132.9 - 133.6	5947	0.7'	0.01			

Log By
for E. L. MacVEIGH

DIAMOND DRILL RECORD

Hole [redacted]5 Sheet No. 3 Co-ordinates Collar Total Depth
Property Consmith-Desrosiers. Lat. Dept. Ft. of Core Recovered
Drilled by Elev. Collar % Recovery
Date Begun Bearing
Date Finished Angle Size Bit Used
Contractor's Footage Working Place Size Core

Depth Feet	Formation	Sample No.	Width	% Mo.	% WO3	% BeO	Value
133.6	GREENSTONE as above with						
182.0	little pyrite						
182.0	BIOTITE SCHIST						
182.7							
182.7	DIORITE						
183.5							
183.5	BIOTITE SCHIST						
184.2							
184.2	DIORITE						
186.0							
186.0	GREENSTONE as above						
197.2	@ 187.5' - 1" red feldspar						
	zone with contacts						
	@ 60° to core						
	@ 188.3' 1½" piece of pegmatite.						
	Some moly in greenstone nearby.						
	SAMPLES 199.0 - 203.0	5955	4.0'	tr.			
	203.0 - 207.3	5956	4.3'	Nil.			
	208.1 - 208.8	5957	0.7'	Nil.			
	208.8 - 212.2	5958	3.4'	tr.			
197.2	RHYOLITE TUFF						
198.5							
198.5	GREENSTONE						
199.0							
199.0	PEGMATITE VEIN Hard white rock						
	of quartz & feldspar.						
207.3	PEGMATITE @ 60° to core						
208.1	South Pit Zone (?) Lots of moly.						
	SAMPLE 207.3 - 208.1	5948	0.8	0.06			
208.8	GREENSTONE						
221.5	One speck of Moly.						

Log By
for E. L. MacVEIGH

DIAMOND DRILL RECORD

Hole No. 5 Sheet No. 4
Property Jonsmith-Desrosiers.
Drilled by
Date Begun
Date Finished
Contractor's Footage

Co-ordinates Collar
Lat. Dept.
Elev. Collar
Bearing
Angle
Working Place

Total Depth
Ft. of Core Recovered
% Recovery
Size Bit Used
Size Core

Depth Feet	Formation	Sample No.	Width	% Mo.	% WO3	% BeO	Value
221.5	PEGMATITE						
221.9	at 60° to core. Inclusions of greenstone. No moly seen.						
221.9	GREENSTONE.						
227.8	Biotite scattered in last few feet.						
227.8	SILICIFIED GREENSTONE						
228.7	@ 60° to core.						
228.7	PEGMATITE						
228.9	With moly at 70° to core.						
228.9	PEGMATITE VEIN						
230.5	With quartz stringers and specks of moly.						
	SAMPLE: 228.7 - 230.5	5949	1.6'	0.02			
230.5	PEGMATITE VEIN	5959	4.8'	tr.			
235.3	White and bonded @ 60° to core, with quartz stringers & pyrite.						
235.3	SILICIFIED GREENSTONE						
237.1	Grey coloured and banded at 60° to core.						
237.1	GREENSTONE						
239.8	as above.						
239.8	SILICIFIED GREENSTONE						
242.7	2" Qtz. bands at contact.						
242.7	DIORITE						
244.2	Massive, medium grained and fresh looking at 60° to core.						
244.2	GRANITE						
246.1	Fresh, pink granite at 45° to core.						

Log By
for E. L. MacVEIGH

DIAMOND DRILL RECORD

Hole No. 5 Sheet No. 5.
Property Jonsmith -Desrosiers.
Drilled by
Date Begun
Date Finished
Contractor's Footage

Co-ordinates Collar
Lat. Dept.
Elev. Collar
Bearing
Angle
Working Place

Total Depth
Ft. of Core Recovered
% Recovery
Size Bit Used
Size Core

Depth Feet	Formation	Sample No.	Width	% Mo.	% WO3	% BeO	Value
246.1	DIORITE						
246.7	As above						
246.7	GREENSTONE						
247.9	As above						
247.9	GRANITE						
278.	Pink medium grained granite @ 45° to core.						
278.	GREENSTONE						
282.	With Qtz. stringers and pyrite @ 60° to core.						
282.	END OF HOLE - 282.0'						

J.G. Willars

Log By J. G. Willars, P. Eng.
for E. L. MacVEIGH

DIAMOND DRILL RECORD

Hole 6 Sheet No. 1
Property Jonsmith-Desrosiers
Drilled by Longyear
Date Begun March 12,1960
Date Finished March 14,1960
Contractor's Footage

Co-ordinates Collar
Lat. 538' N. Dept. 10'W
Elev. Collar -3.1
Bearing N.20° 30'E.
Angle -47°
Working Place CL.S-105731

Total Depth 230'
Ft. of Core Recovered 230'
% Recovery 99.9
Size Bit Used B
Size Core BX

Depth Feet	Formation	Sample No.	Width	% Mo.	% WO3	% BeO	Value
0.0	CASING.						
3							
3.	DIORITE						
29.5	Banding at 45° to core, mottled green rock @16.5' a few tiny red feldspar pegmatite stringers with some pyrite. @ 22.0' 1/4" pegmatite stringer.						
29.5	PEGMATITE VEIN						
30.6	@ 35° to core feldspar phenocrysts.(white) Red feldspar @ each contact.						
30.6	SERICITE - SCHIST						
41.6	White altered rhyolite with banding @ 35° to core						
41.6	PEGMATITIC VEIN						
47.5	hard, white, fine grained, felspathic - 2" red feldspar pegmatite @ end						
47.5	DIORITE						
47.9	altered.						
47.9	PEGMATITIC VEIN						
51.0	as above.						
51.0	DIORITE						
53.5	Altered contact zone - splashes of moly in first foot.						
53.5	DIORITE						
68.0	As above.						
68.0	QUARTZ STRINGER ZONE						
69.2	Narrow white quartz stringers @ 60° to core.						

Log By
for E. L. MacVEIGH

DIAMOND DRILL RECORD

Hole No. [redacted]6 Sheet No. 2 Co-ordinates Collar Total Depth
Property Consmith-Desrosiers. Lat. Dept. Ft. of Core Recovered
Drilled by Elev. Collar % Recovery
Date Begun Bearing Size Bit Used
Date Finished Angle Size Core
Contractor's Footage Working Place

Depth Feet	Formation	Sample No.	Width	% Mo.	% WO3	% BeO	Value
69.2	DIORITE						
70.3	A little moly noted.						
70.3	BIOTITE SCHIST						
71.1							
71.1	GREENSTONE or Altered DIORITE						
73.3							
73.3	BIOTITE SCHIST						
73.6							
73.6	RHYOLITE TUFF.						
81.2	White sericite, medium hardness, @ 40° to core with a few quartz stringers						
81.2	GREENSTONE or ALTERED DIORITE						
92.3							
92.3	RHYOLITE TUFF.						
98.0	As above						
98.0	GRANITE						
99.0							
99.	ALTERED DIORITE OR GREENSTONE						
100.2							
100.2	GRANITIZED RHYOLITE						
102.							
102.	GRANITE						
104.2	Dark grey, at 45° to core.						
104.2	GRANITIZED RHYOLITE						
109							
109.	GRANITIZED DIORITE						
111.							
111.	GRANITIZED RHYOLITE						
122.6							
122.6	GRANITE						
127.	Grey at 45° to core.						
127	RHYOLITE TUFF.						
135.6	Granitized and silicified-a few quartz stringers and some pyrite.						

Log By
for E. L. MacVEIGH

DIAMOND DRILL RECORD

Hole No. 6 Sheet No. 3
Property Jonsmith-Desrosiers
Drilled by
Date Begun
Date Finished
Contractor's Footage

Co-ordinates Collar
Lat. Dept.
Elev. Collar
Bearing
Angle
Working Place

Total Depth
Ft. of Core Recovered
% Recovery
Size Bit Used
Size Core

Depth Feet	Formation	Sample No.	Width	% Mo.	% WO3	% BeO	Value
135.6	ALTERED DIORITE						
137.4	Very schistose at 45° to core.						
137.4	GRANITE						
161.2	normal, pink, medium grained						
	fresh looking granite						
	First contact at 35° to core.						
	Second contact at 60° to core.						
161.2	ALTERED DIORITE or GREENSTONE						
163.8	Schist at 60° to core.						
	liberally marked by narrow						
	biotite schist						
163.8	SILICIFIED DIORITE						
166.	Many quartz stringers with some						
	pyrite. Veins @ 45° to core.						
166.	SILICIFIED RHYOLITE						
194.4	Light grey rock with quartz						
	stringers. Well banded @						
	45° to core.						
194.4	GRANITE						
195.1	Grey granite at 60° to core						
195.1	SILICIFIED RHYOLITE						
196.	as above						
196.	GRANITE						
199.3	Grey, medium grained, as above.						
199.3	SILICIFIED DIORITE						
202.7	Granitized						
202.7	GRANITE.						
209.3	Pink medium grained rock.						
209.3	ALTERED DIORITE or GREENSTONE						
210.4							

Log By
for E. L. MacVEIGH

DIAMOND DRILL RECORD

Hole No. 6 Sheet No. 4
Property Jonsmith-Desrosiers
Drilled by
Date Begun
Date Finished
Contractor's Footage

Co-ordinates Collar
Lat. Dept.
Elev. Collar
Bearing
Angle
Working Place

Total Depth
Ft. of Core Recovered
% Recovery
Size Bit Used
Size Core

Depth Feet	Formation	Sample No.	Width	% Mo.	% WO3	% BeO	Value
210.4	GRANITE						
211.4	Fine grained granite dyke						
211.4	GRANITIZED DIORITE						
217.5							
217.5	GRANITE						
219.5	Fine grained dyke at 35° to						
	core.						
219.5	ALTERED DIORITE						
229.3							
229.3	GRANITE						
230	Medium grained grey rock.						
230	END OF HOLE - 230'						

J.G. Willars

Log By J.G. Willars, P.Eng.
for E. L. MacVEIGH

DIAMOND DRILL RECORD

Hole No. 7 Sheet No. 1
Property Jonsmith-Desrosiers
Drilled by Longyear
Date Begun March 15,1960
Date Finished March 18 1960
Contractor's Footage

Co-ordinates Collar
Lat. 637'N Dept. 140'E
Elev. Collar + 12.1'
Bearing S.17° W.
Angle -45°
Working Place Cl. S.105731

Total Depth 345'
Ft. of Core Recovered
% Recovery 99%
Size Bit Used B
Size Core BX

Depth Feet	Formation	Sample No.	Width	% Mo.	% WO3	% BeO	Value
0.0	CASING						
13.5							
13.5	DIORITE						
26.1	Granitized rock banded @ 45° to core						
	@ 24.5' - 1/4" quartz stringer with specks of moly. Veins at 60° to core cut banding.						
26.1	GRANITE						
32.7	Medium grained pink rock						
	Contacts @ 45° to core and parallel to banding.						
32.7	DIORITE						
33.0	Altered as above.						
33.0	GRANITE						
36.0	asabove, but finer grained						
	1/2" barren quartz @ contact.						
36.0	GREENSTONE						
39.6	Granitized						
39.6	GRANITE						
41.8	Contacts @ 45° to core						
41.8	DIORITE						
43							
43	GREENSTONE						
46.8	Altered rock with some pyrite						
46.8	DIORITE						
54.8	Altered & granitized						
54.8	PEGMATITE						
55.5	@ 90° to core						
	Fair amount of moly.						
	SAMPLE 54.8 - 55.5	5962	0.7	.04			
55.5	DIORITE						
64.3	Altered and granitized.						
	Last foot has one 3" qu. vein						
	and two 1/2" qu. veins.						

Log By
for E. L. MacVEIGH

DIAMOND DRILL RECORD

Hole No. 7 Sheet No. 2
Property Jonasmith-Desrosiers
Drilled by
Date Begun
Date Finished
Contractor's Footage

Co-ordinates Collar
Lat. Dept.
Elev. Collar
Bearing
Angle
Working Place

Total Depth
Ft of Core Recovered
% Recovery
Size Bit Used
Size Core

Depth Feet	Formation	Sample No.	Width	~~Zinc~~ MoS2	Ozs. Ag.	% Cu.	% Ni.	% Zn.
64.3	DIORITE							
69.7	Schistose							
69.7	PEGMATITE							
70.6	@ 90° to core							
	A few specks of moly.							
	SAMPLE 69.7 - 70.0	5963	0.3	.11				
70.0	DIORITE							
77.5	Altered plus some irregular Qtz. stringers.							
77.5	DIORITE							
88.	well banded at 45° to core, altered diorite @ 83', 84' and 85.6' are small pegmatite stringers.							
88.0	DIORITE							
93.4	highly granitized							
93.4	GRANITE							
114.0	Pink to grey medium grained rock at 60° to core.							
114.0	GREENSTONE							
116.8	Schistose.							
116.8	GRANITE							
119.5	As above							
119.5	BIOTITE SCHIST							
121.0								
121.0	PERIDOTITE							
130.0	Light green rock banded at 15° to core. Some pyrite mineralization -slightly magnetic.							
130.	BIOTITE SCHIST.							
130.5								

Log By
for E. L. MacVEIGH

DIAMOND DRILL RECORD

Hole No. 7 Sheet No. 3 Co-ordinates Collar Total Depth
Property Jonsmith-Desrosiers. Lat. Dept. Ft. of Core Recovered
Drilled by Elev. Collar % Recovery
Date Begun Bearing Size Bit Used
Date Finished Angle Size Core
Contractor's Footage Working Place

Depth Feet	Formation	Sample No	Width	~~% Mo~~ MoS_2	Ozs. Ag.	% Cu.	% Ni.	% Zn.
130.5	RHYOLITE							
134.2	altered, grey, hard							
134.2	RHYOLITE							
136.	solicified							
136.	PEGMATITIC VEIN							
143.8	Intruding rhyolite. No moly.							
143.8	GREENSTONE							
145.5								
145.5	PEGMATITIC VEIN							
146.	As above							
146.0	BIOTITE SCHIST							
146.4								
146.4	PEGMATITIC VEIN							
146.6	@ 90° to core -as above.							
146.6	GREENSTONE							
150.								
150.0	PEGMATITIC VEIN							
151.5	@ 60° to core - no moly							
151.5	GREENSTONE							
155.2								
155.2	PEGMATITIC VEIN							
156.3	No moly.							
156.3	GREENSTONE							
156.7	Brecciated							
156.7	PEGMATITIC VEIN							
159.4	Specks of moly.							
	SAMPLE: 156.7 - 159.4	5964	2.7'	.04				
159.4	GREENSTONE							
170.5	Some pyrite @ 60° to core							
170.5	GREENSTONE							
172.2	Small amount of moly.							
	SAMPLE 170.5 - 172.2	5965	1.7'	.13				

Log By
for E. L. MacVEIGH

DIAMOND DRILL RECORD

Hole [redacted]7 Sheet No. 4.
Property Jonsmith-Desrosiers.
Drilled by
Date Begun
Date Finished
Contractor's Footage

Co-ordinates Collar
Lat. Dept.
Elev. Collar
Bearing
Angle
Working Place

Total Depth
Ft. of Core Recovered
% Recovery
Size Bit Used
Size Core

Depth Feet	Formation	Sample No.	Width	% MoS_2	Ozs. Ag.	% Cu.	% Ni.	% Zn.
172.2	PEGMATITIC VEIN							
174.3	Mostly quartz. Specks of moly.							
	SAMPLE: 172.2 - 174.3	5966	2.1	.05				
174.3	PERIDOTITE							
188.5	A little biotite schist @ start & slightly magnetic - some pyrite. Banding at 45° to core							
188.5	PEGMATITIC VEIN							
190.2	No moly. seen							
190.2	RHYOLITE or							
193.1	granitized diorite							
193.1	PEGMATITIC VEIN							
198.2	No moly							
198.2	GRANITIZED DIORITE							
204.2	@ 60° to core							
204.2	Pegmatitic vein							
205.2	One showing of chalcopyrite One speck moly.							
205.2	GRANITIZED DIORITE							
207.8								
207.8	PEGMATITIC VEIN							
215.	No moly.							
215.	GREENSTONE							
215.5								
215.5	PEGMATITE							
217.	With inclusions of biotite schist. No moly.							
217.	BIOTITE SCHIST							
218.								
218.	PEGMATITE							
218.7	No moly.							

Log By
for E. L. MacVEIGH

DIAMOND DRILL RECORD

No. 7 Sheet No. 5
Property Jonsmith-Desrosiers.
Drilled by
Date Begun
Date Finished
Contractor's Footage

Co-ordinates Collar
Lat Dept.
Elev. Collar
Bearing
Angle
Working Place

Total Depth
Ft. of Core Recovered
% Recovery
Size Bit Used
Size Core

Depth Feet	Formation	Sample No.	Width	% MoS_2	Ozs. Ag.	% Cu.	% Ni.	% Zn.
218.7 223.2	GREENSTONE							
223.2 223.7	PEGMATITE No moly.							
223.7 225.7	DIORITE							
225.7 228.6	PEGMATITIC VEIN Grey vein-like rock with some fine specks of moly.							
	SAMPLE 226.7 - 228.6	5967	1.9'	.02				
228.6 242.5	RHYOLITE partially granitized - @ 45° to core							
242.5 244.5	GRANITE @ 60° to core grey, medium grained							
244.5 260.5	RHYOLITE @ 60° to core slightly granitized some pyrite							
260.5 269	GRANITIZED RHYOLITE @ 263.8 - a 3" pegmatitic vein @ 45° to core with a speck of moly.							
269. 281.0	PEGMATITIC VEIN fractured and with moly - well fractured. FAULT 276' - 277'							
	SAMPLES 269 - 274	5968	5.0'					
	274 - 277.5	5969	3.5					
	277.5 - 281	5970	3.5					
281. 288.4	PEGMATITIC VEIN No moly seen - well fractured							

Log By
for E. L. MacVEIGH

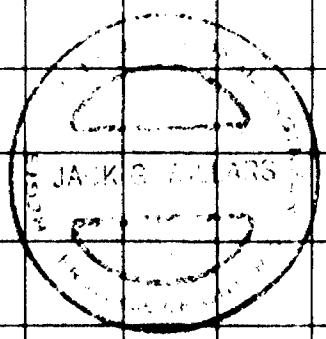
DIAMOND DRILL RECORD

Hole [redacted] 7 Sheet No. 6
Property Jonsmith-Desrosiers
Drilled by
Date Begun
Date Finished
Contractor's Footage

Co-ordinates Collar
Lat. Dept.
Elev. Collar
Bearing
Angle
Working Place

Total Depth
Ft. of Core Recovered
% Recovery
Size Bit Used
Size Core

Depth Feet	Formation	Sample No.	Width	% Oz. MoS2	Ozs. Ag.	% Cu.	% Ni.	% Zn.
288.4 291.5	PEGMATITE Dark brown to red, hard granitic.							
291.5 300.5	RHYOLITE Slightly granitized.							
300.5 312.0	PEGMATITIE - FAULT Some sections of pegmatite vein Moly scattered throughout SAMPLES (well broken rock)							
	300.5 - 306	5971	5.5'	.03				
	306 - 309	5972	3.0'	.01				
	309 - 312	5973	3.0'	tr.				
312.0 345.	RHYOLITE Silicified @ contact reddish colour in spots @ 60° to core --a few tiny red stringers, probably pegmatitic near end.							
345	END OF HOLE - 345'							



Log By J.G. Willars, P.Eng
for E. L. MacVEIGH

DIAMOND DRILL RECORD

Hole [redacted]8 Sheet, No. 1
Property Jonsmith-Dearosiers
Drilled by Longyear
Date Begun Mar.19/60
Date Finished Mar.
Contractor's Footage

Co-ordinates Collar
Lat. 706'N. Dept. 197'E.
Elev. Collar 5.1
Bearing S 26° W
Angle -42° 30'
Working Place CL. S-105731

Total Depth 419.3
Ft. of Core Recovered 419.3
% Recovery 99.9%
Size Bit Used B.
Size Core BXL.

Depth Feet	Formation	Sample No.	Width	Ozs. Au.	Ozs. Ag.	% Cu.	% Ni.	% Zn.
0	CASING							
7.0								
7.0	DIORITE							
22.3	Banding @ 45° to core.							
22.3	PEGMATITIE contacts @ 45°							
23.6	to core and normal to diorite							
	banding							
23.6	DIORITE							
30.5	as above							
	1/4" quartz stinger @ 15'							
	@ 30.5' - 2" vuggy quartz vein							
	@ 45° to core & parallel to banding.							
30.5	GREENSTONE							
31.0								
31.0	DIORITE							
49.6	as above							
49.6	GRANITE							
51.0	Fine grained, hard, granitic							
	dyke @ 45° to core and							
	parallel to banding.							
51.0	DIORITE							
65.0	as above							
65.0	ALTERED DIORITE							
68.0	Cut by Quartz and red feldspar							
	stringers and epidote.							
68.0	DIORITE							
81.4								
81.4	GRANITE							
96.2	Medium grained, grey to pink							
	rock.							
96.2	DIORITE							
101.	Granitized with quartz & red							
	feldspar strings & epidote							

Log By
for E. L. MacVEIGH

DIAMOND DRILL RECORD

Hole No. 8 Sheet No. 2
Property Jonsmith-Desrosiers.
Drilled by
Date Begun
Date Finished
Contractor's Footage

Co-ordinates Collar
Lat. Dept.
Elev. Collar
Bearing
Angle
Working Place

Total Depth
Ft. of Core Recovered
% Recovery
Size Bit Used
Size Core

Depth Feet	Formation	Sample No.	Width	% ~~Mo~~ Mo S2	Ozs. Ag.	% Cu.	% Ni.	% Zn.
101.	GRANITE							
107.7	grey, medium grained, massive rock.							
107.7	PEGMATITE STRS.							
109.7	two 3" barren pegmatite							
	& one 12" pegmatite vein with							
	pyrite crystals and specks of							
	moly.							
109.7	GRANITE							
115.4	as above. Contact @ 45° to core							
	and parallel to banding.							
115.4	GREENSTONE							
129.	Granitized with banding at 45°							
	to core							
129.	DIORITE							
139	schistos dyke @ 45° to core							
	and parallel to the banding.							
139	GRANITE							
140.5	Grey to pink, fine grained							
	dyke (with the banding)							
140.5	PERIDOTITE							
143	With 6" biotite schist @ each							
	contact and @ 45° to core.							
143.	GREENSTONE							
155.7	Granitized - 45° to core							
155.7	DIORITE							
158.	Granitized and epidotized							
	yuggy section with some moly							
	SAMPLE 155.7 - 158	5975	2.3'	.05				
158.	DIORITE							
172.3	Narrow epidotized sections, narrow							
	yuggy sections with epidote							
	Some moly							
	SAMPLE 162.5 - 167.5	5976	5.0'	.05				

Log By
for E. L. MacVEIGH

DIAMOND DRILL RECORD

Hole [redacted]8 Sheet No. 3
Property Jonsmith-Desrosiers.
Drilled by
Date Begun
Date Finished
Contractor's Footage

Co-ordinates Collar
Lat. Dept.
Elev. Collar
Bearing
Angle
Working Place

Total Depth
Ft. of Core Recovered
% Recovery
Size Bit Used
Size Core

Depth Feet	Formation	Sample No.	Width	% Lbs. Mo.	Ozs. Ag.	% Cu.	% Ni.	% Zn.
178.3	DIORITE			MoS_2				
188.3	banding @ 45° to core							
	narrow sections of epidotized							
	diorite @ 174.2 3" barren							
	white quartz @ 45° to core and							
	parallel to schistosity.							
	@ 184' - 4" white barren quartz							
	vein							
	@ 186' - 2" quartz vein.							
188.3	GREENSTONE							
191	granitized with quartz stringers.							
	Lit-par-lit intrusive.							
191	PEGMATITE							
193.2	90% quartz - one large speck of							
	moly.							
	SAMPLE 191 - 193.2	5977	2.2'	tr.				
193.2	GREENSTONE							
193.8								
193.8	GRANITE							
202.2	pink, medium grained rock with							
	contacts @ 60° to core.							
202.2	GREENSTONE							
204.	altered							
204.	GRANITE							
208.3	pink, medium grained granite							
	@ 60° to core.							
208.3	QUARTZ PEGMATITE							
209.5	Lots of moly.							
	SAMPLE 208.3 - 209.5	5978	1.2'	.10				

Log By
for E. L. MacVEIGH

DIAMOND DRILL RECORD

Hole [redacted] 8 Sheet No. 4
Property Jonsmith-Desrosiers
Drilled by
Date Begun
Date Finished
Contractor's Footage

Co-ordinates Collar
Lat. Dept.
Elev. Collar
Bearing
Angle
Working Place

Total Depth
Ft. of Core Recovered
% Recovery
Size Bit Used
Size Core

Depth Feet	Formation	Sample No.	Width	% XXX XX	Ozs. Ag.	% Cu.	% Ni.	% Zn.
209.5	GRANITE			Mo.				
212.								
212.	PEGMATITE							
215.3	212.3 - 212.8 granite							
	Pegmatite @ 30° to core with							
	lots of coarse moly							
	SAMPLE 212- 215.3	5979	3.3'	.14				
215.3	GRANITE							
220.3	as above							
	1" pegmatite @ contact.							
220.3	GREENSTONE							
221.5								
221.5	PEGMATITE (Pit Zone)							
222	with moly	5980	0.6'	.24				
222.	GREENSTONE							
226								
226.	PEGMATITE VEIN							
229	one speck moly at first contact							
	- 30° to core							
	SAMPLE 226 - 229	5981	3.0'	tr.				
229	GREENSTONE							
231								
231	PEGMATITIC VEIN							
238	No moly seen							
238	GREENSTONE							
238.5								
238.5	PEGMATITIC VEIN							
239.5	No moly seen							
239.5	GREENSTONE							
240.3								
240.3	PEGMATITIC VEIN							
241.1	No moly seen							
241.1	GREENSTONE							
241.7								

Log By
for E. L. MacVEIGH

DIAMOND DRILL RECORD

Hole No. 8 Sheet No. 5 Co-ordinates Collar
Property Jonsmith-Desrosiers Lat. ..... Dep. .....
Drilled by ..... Elev. Collar .....
Date Begun ..... Bearing .....
Date Finished ..... Angle .....
Contractor's Footage ..... Working Place .....

Total Depth .....
Ft. of Core Recovered .....
% Recovery .....
Size Bit Used .....
Size Core .....

Depth Feet	Formation	Sample No.	Width	[illegible]	% Cu.	% Ni.	
241.7	PEGMATITIC VEIN			MoS_2			
243.5	No moly seen.						
243.5	GREENSTONE						
248.							
248.	PEGMATITIC VEIN						
260.5	No moly seen						
260.5	GREENSTONE						
266.							
266	PERIDOTITE						
316.	Pyrite, slightly magnetic @ 300', moly & pyrite smeared on a 60° slip plane.						
316.	GREENSTONE						
336.3	Well granitized, some pegmatitic sections.						
336.3	PEGMATITIC VEIN						
344.	No moly seen						
344.	GREENSTONE						
345.4							
345.5	PEGMATITIC VEIN						
346.4							
346.4	RHYOLITE,						
355.2	Granitized banding at 60° to core.						
355.2	GRANITE						
356.1	grey, medium grained @ 45° to core.						
356.1	RHYOLITE						
360.7	Granitized and includes quartz stringers.						

Log By .....
for E. L. MacVEIGH

DIAMOND DRILL RECORD

Hole No. 8 Sheet No. 6
Property Jonsmith-Desrosiers
Drilled by
Date Begun
Date Finished
Contractor's Footage

Co-ordinates Collar
Lat. Dept.
Elev. Collar
Bearing
Angle
Working Place

Total Depth
Ft. of Core Recovered
% Recovery
Size Bit Used
Size Core

Depth Feet	Formation	Sample No.	Width	% Mo	Ozs. Ag.	% Cu.	% Ni.	% Zn.
360.7	QUARTZE VEIN							
361	with moly - cuts core @ 45°.							
	SAMPLE 360.3 - 361.3	5982	1.0'	.09				
361	RHYOLITE							
370	Grantized							
370	GRANITE							
373.8	grey, medium grained, as above							
373.8	PEGMATITIC VEIN							
383.								
383.	BRECCIATED PEGMATITE							
388.5	Moly present							
	Last five inches is gouge and							
	pegmatite fragments.							
	SAMPLE 383 - 388.5	5983	5.5'	.05				
388.5	FAULT							
388.5	RHYOLITE - well granitized -							
398.2	No moly seen.							
398.2	GREENSTONE							
399.								
399.	Pegmatitic Vein							
402	@ 45° to core							
	specks of moly at end.							
	SAMPLE 399 - 402	5984	3.0'	tr.				
402	GREENSTONE							
411.2	A few specks and smears of moly.							
411.2	DIABASE							
415.	A little moly on each contact.							
415.	GREENSTONE							
419.2	one speck of moly seen							
419.2	END OF HOLE							

REGISTERED PROFESSIONAL ENGINEER JACK G. WILLARS

Log By J.G.Willars, P.Eng.
for E. L. MacVEIGH

ELEV. D.D. H #1 = 0.0'

DIAMOND DRILL RECORD

Hole No. 11 Sheet No. 1
Property Jonsmith-DesRosiers
Drilled by Longyear
Date Begun May 29,1960
Date Finished May 29,1960
Contractor's Footage

Co-ordinates Collar
Lat. 5+40'N Dept. 3.0'E.
Elev. Collar +2.0
Bearing S 190 30'W.
Angle -45°
Working Place CL. S105731

Total Depth 68.0'
Ft. of Core Recovered 63'
% Recovery 90%
Size Bit Used BX
Size Core B.

Depth Feet	Formation	Sample No.	Width	Ozs. Au.	Ozs. Ag.	% Cu.	% Ni.	% Zn.
0.0	CASING							
7.0								
7.0	DIORITE							
12.7	Dark rock with white mottling. Banded @ 45° to core. 2" of irregular pegmatite @ contact.							
12.7	PERIDOTITE							
32.0	Light green rock, banded at 45° to core. Pyrite and pyrite cubes.							
32.0	PEGMATITIC VEIN							
33.5								
33.5	PERIDOTITE							
34.5								
34.5	PEGMATITIC VEIN							
48.0	Light coloured and altered, showing quartz & feldspar. Some sericite and pyrite. No moly.							
48.0	DIORITE							
50.0	Altered rock with contact @ 45° to core.							
50.0	PEGMATITIC VEIN							
58.0	Well fractured and some pyrite. No moly seen.							
58.0	DIORITE							
60.0	altered rock							
60.0	FAULT BRECCIA							
62.0	Gouge and fragments.							
62.0	PEGMATITE							
63.5	Well broken pegmatite							
63.5	RHYOLITE							
68.0	Light coloured typical rhyolite, banding at 45° to core.							
68.0	END OF HOLE - 68.0'							
NOTE:	This hole directed to locate No.2 Zone near surface but failed to intersect pegmatite except broken pegmatite in the fault zone.							

Log By J.G. Willars, P.Eng.
for E. L. MacVEIGH

DIAMOND DRILL RECORD

Hole No. 12 Sheet No. 1
Property Jonsmith-Desrosiers
Drilled by Longyear
Date Begun May 30,1960
Date Finished June 18,1960.
Contractor's Footage

Co-ordinates Collar
Lat 588'N. Dept 16'W.
Elev. Collar 2,96
Bearing S.19° W.
Angle -45°
Working Place CL. S105731

Total Depth 148'
Ft. of Core Recovered 111
% Recovery 75%
Size Bit Used BX
Size Core B.

Depth Feet	Formation	Sample No.	Width	Ozs. Au.	Ozs Ag.	% Cu.	% Ni.	% Zn.
0.0	CASING							
5.0								
5.0	PERIDOTITE							
8.0	Banding at 45° to core -							
	pyrite -slightly magnetic.							
8.0	GREENSTONE with odd pegmatitic							
20.0	stringers from 12' - 14'							
20.0	GREENSTONE highly epidotized							
36.0	and contorted banding. Some							
	banding parallel to core							
36.0	GREENSTONE							
50.0	Highly contorted. Numerous peg-							
	matite stringers and few calcite							
	veins.							
	Broken core from 47' - 50'.							
50.0	LOST CORE - Fault							
52.0								
52.0	GREENSTONE - fine grained green							
58.0	rock with a few pegmatitic stringers.							
58.0	PEGMATITIC VEIN							
63.0	No moly seen. Very broken rock.							
63.0	DIORITE - medium grained green							
69.0	rock with dioritic texture. Very							
	broken rock. About 2' lost.							
69.0	PEGMATITIC VEIN -some core lost.							
72.0	Tiny speck moly at 70.5'							
72.0	GREENSTONE - as above							
96.0	Some lost core.							
96.0	PEGMATITE - brecciated and							
96.3	cement with biotite schist							
	No moly.							
96.3	GRANITE							
98.00	Gneissic grey granite							
98.00	GREENSTONE - as above							
116.5	5' lost core.							

Log By
for E. L. MacVEIGH

DIAMOND DRILL RECORD

Hole No. 12 Sheet No. 2.
Property Jonsmith-DesRosiers
Drilled by Longyear
Date Begun May 30,1960
Date Finished June 18,1960
Contractor's Footage

Co-ordinates Collar
Lat. Dept.
Elev. Collar
Bearing
Angle
Working Place

Total Depth
Ft. of Core Recovered
% Recovery
Size Bit Used
Size Core

Depth Feet	Formation	Sample No.	Width	Ozs. Au	Ozs. Ag.	% Cu.	% Ni.	% Zn.
116.5	PEGMATITE							
117.0	Some core lost							
117.0	GREENSTONE - with pegmatitic							
122.0	stringers. 3' lost core.							
122.0	PEGMATITE with biotite schist.							
126.0	No moly.							
126.0	GREENSTONE							
131.0	As above							
131.0	PEGMATITE							
131.5	6" pegmatite at start.							
	1' core lost between 131-134.							
131.5	PEGMATITIC VEIN							
139.5	Dark grey with ghosty banding.							
	Hard. No moly.							
139.5	PEGMATITE							
140.0	True pegmatite with biotite							
	schist. No moly.							
140.0	GREENSTONE							
148.0	At 141', a 1" stringer of							
	pegmatite with two grains of moly.							
	At 145' - irregular narrow quartz							
	with a smear of moly.							
	END OF HOLE - 148.0'							

Log By J.G.Willars, P.Eng.
for D. L. MacVEIGH

ELEV. D.D.H. #1 - 0.0

DIAMOND DRILL RECORD

Hole No. 12 A Sheet No. 1.
Property Jonsmith-Desrosiers
Drilled by Longyear
Date Begun May 30,1960
Date Finished May 31,1960
Contractor's Footage

Co-ordinates Collar
Lat 588'N. Dept 16' W.
Elev Collar 2,96
Bearing S 19° W.
Angle - 45°
Working Place CL. S105731

Total Depth 53.0'
Ft. of Core Recovered 50.0
% Recovery 94%
Size Bit Used BX
Size Core B.

Depth Feet	Formation	Sample No.	Width	Ozs. Au	Ozs. Ag.	% Cu.	% Ni.	% Zn.
0.0	CASING							
5.0								
5.0	PERIDOTITE							
8.0	Banding at 45° to core - pyrite - slightly magnetic							
8.0	GREENSTONE with odd pegmatitic							
20.0	stringer from 12' - 14'							
20.0	GREENSTONE highly epidotized							
36.0	and contorted banding. Some banding parallel to core							
36.0	GREENSTONE							
50.0	Highly contorted. Numerous pegmatite stringers and few calcite veins. Broken core from 47' - 50'.							
50.0'	Rods stuck at 53'. Probably stuck							
53.0'	in the fault. Hole stopped for now - will retrieve core barrel later.							
53.0	END OF HOLE - 53.0'							
	NOTE: This hole directed to locate No. 2 Zone near surface but failed to intersect pegmatite. Hole to be redrilled at Longyear's expense.							

Log By J.G.Willars, P.Eng.
for F. MacVEIGH

ELEV. D.D.H. #1 = 0.0

DIAMOND DRILL RECORD

Hole 13 Sheet No. 1
Property Jonsmith-DesRosiers
Drilled by Longyear
Date Begun June 1,1960
Date Finished June 1,1960
Contractor's Footage

Co-ordinates Collar
Lat 491'N. Dept 30'E.
Elev. Collar 4.7
Bearing S.19° W.
Angle -45°
Working Place CL. S-105731

Total Depth 85.0
Ft. of Core Recovered 85.0
% Recovery 99.9%
Size Bit Used BX
Size Core B

Depth Feet	Formation	Sample No.	Width	Ozs. Au.	Ozs. Ag.	% Cu.	% Ni.	% Zn.
0.0	CASING							
11.0								
11.0	GREENSTONE							
13.0	Green, schistose, chloritic rock							
13.0	CONTACT ZONE							
14.0	Granitized contact zone							
14.0	GRANITE							
15.0	Grey, medium grained granite.							
15.0	RHYOLITE							
23.3	Banded at 45° to core							
	Last 4" is highly contorted.							
23.3	DIORITE							
23.6	Altered diorite dyke							
23.6	RHYOLITE							
60.5	As above, with a few lit-par-lit quartz stringers at irregular intervals.							
	at 59' 2" greenstone							
	at 60' 1" greenstone and quartz.							
60.5	GREENSTONE							
63.0	Well banded rock with chlorite & Biotite @ 45° to core.							
	Mud at 61' -? sludge at 61.5',							
	two barren white quartz veinlets.							
63.	RHYOLITE							
65.5	Speck of moly. @ 64' on bedding plane							
65.5	GRANITE							
67.0	Grey, medium grained rock							
67.0	RHYOLITE							
71.5	silicified							
71.5	DIORITE							
75.0	altered with gneissic texture.							

Log By J.G. Willars, P.Eng.
for E. L. MacVEIGH

DIAMOND DRILL RECORD

Hole No. 13 Sheet No. 2 Co-ordinates Collar Total Depth 85.0'
Property Jonsmith -DesRosiers Lat. Dept. Ft. of Core Recovered
Drilled by Elev. Collar % Recovery
Date Begun Bearing Size Bit Used
Date Finished Angle Size Core
Contractor's Footage Working Place

Depth Feet	Formation	Sample No.	Width	Ozs. Au.	Ozs. Ag.	% Cu.	% Ni.	% Zn.
75.0	PEGMATITIC VEIN							
84.0	80-81 Possible fault.							
84.0	DIORITE							
85.0	Altered.							
85.0	END OF HOLE							
	NOTE: This hole was directed to intersect No. 2 Pegmatite Zone near surface but failed to locate it.							

Log By J.G. Willars, P.Eng.
for E. L. MacVEIGH

D.D.H. #1 - ELEV.= 0.0'

DIAMOND DRILL RECORD

Hole No. 14 Sheet No. 1
Property Consmith-DesRosiers
Drilled by Lone Star
Date Begun June 2,1960
Date Finished June 5,1960
Contractor's Footage

Co-ordinates Collar
Lat. 368'N Dept. 406'W.
Elev. Collar +25.75
Bearing S. 44° 30' E.
Angle - 45°
Working Place CL. S-105731

Total Depth 207'
Ft. of Core Recovered 207'
% Recovery 99.9%
Size Bit Used BX
Size Core B.

Depth Feet	Formation	Sample No.	Width	Ozs. Au	Ozs. Ag	% Cu	% Ni	% Zn
0.0	CASING							
6.0								
6.0	DIORITE							
22.0	Medium grained, fairly massive diorite. Contact at 35° to core							
22.0	GREENSTONE							
27.0	well broken, green, massive, fine grained.							
27.0	DIORITE							
47.0	As above 43' - 46' fine grained phase At 47' Mud breccia FAULT							
47.0	PERIDOTITE with							
62.0	pyrite cubes							
62.0	BIOTITE SCHIST							
63.0								
63.0	GREENSTONE							
79.0	Schisty at 60° to core with narrow biotite schist bands.							
79.0	RHYOLITE							
87.0	Contorted and sericitised rhyolite with lit-par-lit quartz stringers and pegmatite stringers. Some pyrite noted.							
87.0	PEGMATITIC VEIN							
88.0	pyrite noted							
88.	GREENSTONE - altered							
93.	pegmatitic stringers							
93.	PEGMATITIC VEIN							
94.								
94	DIORITE							
96	Altered							

DIAMOND DRILL RECORD

Hole No. 14 Sheet No. 2.
Property Jonsmith-Desrosiers
Drilled by
Date Begun
Date Finished
Contractor's Footage

Co-ordinates Collar
Lat. Dept.
Elev. Collar
Bearing
Angle
Working Place

Total Depth 207.0'
Ft. of Core Recovered
% Recovery
Size Bit Used
Size Core

Depth Feet	Formation	Sample No.	Width	Ozs. Au.	Ozs. Ag.	% Cu.	% Ni.	% Zn.
96.0	PEGMATITIC VEIN - CONTACT ZONE							
106.0	Some sections of lit-par-lit quartz stringers in rhyolite. A few spots of moly seen.							
	Sample 96 - 101		5.0'					
	Sample 101- 106		5.0					
106.0	PEGMATITE STRINGERS							
116.5	in BIOTITE SCHIST and GREENSTONE							
	A true pegmatite with considerable amounts of purple flourite							
	A little moly.							
	Sample 107 - 108 = 1.'0							
116.5	BIOTITE SCHIST							
118.0								
118.0	PERIDOTITE							
126.0	Slightly magnetic							
126.0	PEGMATITE VEIN							
132.0	No moly seen							
132.0	PEGMATITIZED RHYOLITE							
139.3	No moly seen							
139.3	GREENSTONE							
149.0	Odd chunk pegmatite noted							
149.00	PEGMATITE							
151.5	Mostly quartz. No moly seen.							
151.5	GREENSTONE							
153.6	Silicified							
153.6	PEGMATITIC VEIN							
158.0	Resembles a very silicified sediment. Ghost banding still apparent							
158.0	GREENSTONE							
172.5	Odd chunk of pegmatite noted							
	Narrow silicbous areas.							
172.5	PEGMATITIC VEIN							
177.0	As above grey, hard, with ghosty banding at 45° to core. Probably a silicified sediment. No moly seen.							

Log By J.G.Willars, P.Eng.
for E. L. MacVEIGH

DIAMOND DRILL RECORD

Hole No. 14 Sheet No
Property Jonsmith-Des Rosiers.
Drilled by
Date Begun
Date Finished
Contractor's Footage

Co-ordinates Collar
Lat Dept.
Elev. Collar
Bearing
Angle
Working Place

Total Depth 207.0'
Ft. of Core Recovered
% Recovery
Size Bit Used
Size Core

Depth Feet	Formation	Sample No.	Width	Dzs. Au	Dzs. Ag.	% Cu.	% Ni.	% Zn.
177.0	GREENSTONE							
183.0	179' - 180' 1" pegmatite stringer at 10° to core. No moly seen.							
183.0	PEGMATITIC VEIN							
187.0	As above - silicified sediment. No moly seen.							
187.0	GREENSTONE & QUARTZ							
192.0	White barren quartz veins and veinlets cutting the greenstone.							
192.0	GREENSTONE							
207.0	With a few pegmatite stringers							
	END OF HOLE - 207.0'							

NOTE: Wide section of Pegmatite intrusives in this hole from 96 to 187 ft. but almost no moly showing.

Log By J. G. Willars, P. Eng.
J. MacVEIGH

ELEV. #1 = 0.0

DIAMOND DRILL RECORD

Hole No. 15 Sheet No. 1
Property Jonsmith-Des Rosiers.
Drilled by Longyear
Date Begun June 5,1960
Date Finished June 11,1960
Contractor's Footage

Co-ordinates Collar
Lat 359'N. Dept 477'W.
Elev. Collar 32.4'
Bearing S. 40° E.
Angle -45°
Working Place CL.S-105731

Total Depth 201.8'
Ft. of Core Recovered 201.8'
% Recovery 99.9%
Size Bit Used BX
Size Core B

Depth Feet	Formation	Sample No.	Width	Ozs. Au.	Ozs. Ag.	% Cu.	% Ni.	% Zn.
0.0	CASING							
19.0								
19.0	GREENSTONE - Fine to medium							
20.0	grained dark green rock							
20.00	DIABASE							
22.00	Dense grained black dyke							
22.00	GREENSTONE							
23.00	As above							
23.00	DIABASE							
24.5	As above.							
24.5	GREENSTONE							
25.2	As above.							
25.2	DIABASE							
28.8	As above							
28.8	GREENSTONE							
30.8	As above							
30.8	PEGMATITE							
36.0	High feldspar dyke with patches of moly.							
	SAMPLE 30.8 - 36	82	5.2					
36.0	BIOTITE SCHIST - alteration zone,							
37.5	SAMPLE 36.0 - 37.5	83	1.5					
37.5	DIABASE							
38.8	As above							
38.8	GREENSTONE							
39.2	As above							
39.2	DIABASE							
40.0	As above - @ 45° to core							
40.0	GREENSTONE							
56.0	As above							
56.0	RHYOLITE							
71.5	Partly veined by quartz stringers, No moly. seen.							
71.5	GREENSTONE							
72.7	As above							

Log By
for E. L. MacVEIGH

DIAMOND DRILL RECORD

Hole No. 15 Sheet No. 2 Co-ordinates Collar Total Depth 201.8'
Property Jonsmith-Bes Roeiers. Lat. Dept. Ft. of Core Recovered
Drilled by Elev. Collar % Recovery
Date Begun Bearing Size Bit Used
Date Finished Angle Size Core
Contractor's Footage Working Place

Depth Feet	Formation	Sample No.	Width	Ozs. Au.	Ozs. Ag.	% Cu.	% Ni.	% Zn.
72.7	DIABASE							
74.2	Very fine grained, black rock @ 60° to core.							
74.2	GREENSTONE							
75.0	As above							
75.0	DIABASE							
76.2	As above							
76.2	GREENSTONE							
80.5	As above							
80.5	DIABASE							
81.0	As above							
81.0	PERIDOTITE							
91.0	Slightly magnetic, pyrite							
91.0	DIABASE							
99.0	As above							
99.0	PERIDOTITE -							
104.0	As above							
104.0	GREENSTONE							
107.5	As above							
107.5	PEGMATITIC VEIN							
109.0	Fine grained, No moly seen.							
109.0	GREENSTONE							
125.0	Well chlorizited and some biotite schist. 112' -118' containing many nodules of quartz.							
125.0	CONTACT ZONE - 125 - 136							
125.0	PEGMATITIC VEIN.							
127.5	Silicified rhyolite. Ghost handing @ 45° to core. No moly seen.							
127.5	GREENSTONE - as above							
128.5								
128.5	PEGMATITIC VEIN							
133.5	As above, No moly seep.							

Log By
for E. L. MacVEIGH

DIAMOND DRILL RECORD

Hole No. 15 Sheet No. 3.
Property Jonsmith-Des Rosiers
Drilled by Longyear.
Date Begun
Date Finished
Contractor's Footage

Co-ordinates Collar
Lat. Dept.
Elev. Collar
Bearing
Angle
Working Place

Total Depth
Ft. of Core Recovered
% Recovery
Size Bit Used
Size Core

Depth Feet	Formation	Sample No.	Width	Ozs. Au.	Ozs. Ag.	% Cu.	% Ni.	% Zn.
133.5	PEGMATITIC VEIN							
135.0	Some moly smears on slips.							
	SAMPLE 133.5 - 135.	84	1.5'					
135.0	PEGMATITE							
136.5	With inclusions of greenstone. No moly seen.							
136.5	GREENSTONE							
155.0	Specks of moly at 144'							
155.0	DIORITE							
201.8	Mottled, fine grained, siliceous diorite.							
201.8	END OF HOLE - 201.8'							
	NOTE: Pegmatite and biotite schist intersection in this hole from 30.8 to 37.5 shows possibly the highest molybdenite content in the drilling to date. The dyke was not found in the other holes and hence may be irregular, flat-dipping or striking northwest-southeast with the drill holes. Core samples not submitted.							

Log By J.G.Willars, P.Eng.
for E. L. MacVEIGH

Elev. D.D.H.I = 0.0

DIAMOND DRILL RECORD

Hole No. 16 Sheet No. 1
Property Jonsmith-Des Rosiers
Drilled by Longyear
Date Begun June 11,1960
Date Finished June 13,1960.
Contractor's Footage

Co-ordinates Collar
Lat. 350'N. Dept. 556'W.
Elev. Collar +41.1
Bearing S. 44° E.
Angle -46°
Working Place CL. S - 105731

Total Depth 195'
Ft. of Core Recovered 195'
% Recovery 99.9%
Size Bit Used BX
Size Core B

Depth Feet	Formation	Sample No.	Width	Ozs. Au.	Ozs. Ag.	% Cu.	% Ni.	% Zn.
0.0	CASING							
11.5								
11.5	DIORITE							
32.0	Fine grained rock, mottled green and white. at 15.5' 2" pegmatite. No moly. Very broken core.							
32.0	DIORITE							
40.5	Containing pegmatitic stringers No moly seen							
		CONTACT ZONE - 40 - 93						
40.5	PEGMATITE							
42.0	Tiny specks of moly							
	SAMPLE 40.5 - 42	85	1.5'					
42.0	RHYOLITE							
57.5	Some quartz veins							
57.5	DIABASE							
58.5	Dense grained, black fresh dyke @ 45° to core.							
58.5	PEGMATITIC VEIN in silici-							
60.0	fied rhyolite. No moly.							
60.0	DIORITE							
87.5	Very fine grained, fresh looking diorite.							
87.5	RHYOLITE-SILICIFIED with							
93.0	PEGMATITIC VEIN At 91.5' spot of moly.							
	SAMPLE 91- 93	86	2.0'					
93.0	GREENSTONE							
102.00	Coarse grained and altered							

Log By
for E. L. MacVEIGH

DIAMOND DRILL RECORD

Hole No 16 Sheet No. 2 Co-ordinates Collar Total Depth 195.0'
Property Jonsmith-Des Rosiers Lat. Dept. Ft. of Core Recovered
Drilled by Elev. Collar % Recovery
Date Begun Bearing Size Bit Used
Date Finished Angle Size Core
Contractor's Footage Working Place

Depth Feet	Formation	Sample No.	Width	Ozs Au.	Ozs. Ag	% Cu.	% Ni.	% Zn.
102.0	GREENSTONE							
108.0	Fine grained schistose rock. Schistoscity at 60° to core.							
108.0	DIORITE							
124.5	Grey - white mottled							
124.5	PERIDOTITE							
131.0								
131.0	GREENSTONE							
137.5	As above.							
137.5	PEGMATITIC VEIN							
138.5	@ 50° to core Very fine grained siliceous material. No moly seen.							
138.5	PERIDOTITE							
150.0								
150.0	DIORITE							
186.5	As above							
186.5	GREENSTONE							
192.0	As above							
192.0	DIABASE							
195.00	Very fine grained black dyke @ as above.							
	END OF HOLE - 195.0'							
	NOTE: Contact Zone from 40' to 93'. Very little moly seen. Core samples not submitted.							

Log By J.G. Willars, P.Eng.
for L. MacVEIGH

ELEV. D.D.H. I = 0.0'

DIAMOND DRILL RECORD

Hole [redacted]17 Sheet No. 1
Property Jonsmith-DesRosiers
Drilled by Longyear
Date Begun June 13,1960
Date Finished June 16,1960.
Contractor's Footage

Co-ordinates Collar
Lat. 149'N. Dept. 485'W
Elev. Collar +5.3
Bearing N.37° W.
Angle -45
Working Place CL. S-105731

Total Depth 242
Ft. of Core Recovered 242
% Recovery 99.9%
Size Bit Used BX
Size Core B.

Depth Feet	Formation	Sample No.	Width	Ozs. Au.	Ozs. Ag.	% Cu.	% Ni.	% Zn.
0.0	CASING							
4.0								
4.0	DIORITE - diorite granitized							
38.5	lit-par-lit. Pyrite very noticeable. Banding @ 45° to core.							
38.5	GREENSTONE							
47.5	With pyrite cubes.							
47.5	DIORITE							
59.5	As above							
59.5	GREENSTONE. Fine to medium							
64.5	grained green rock							
64.5	DIORITE							
139.0	As above							
139.0	GREENSTONE							
145.6	Fine moly at 140.5 - 141.	CONTACT ZONE 145' - 229'						
145.6	PEGMATITIC VEIN							
147.6	No moly seen.							
147.6	GREENSTONE							
150.2	PEgmatitic stringers							
150.2	PEGMATITIC VEIN							
151.0	Moly seen							
	SAMPLE 150.2 - 151.2	87	1.0'					
151.0	GREENSTONE							
152.0	As above							
152.0	PEGMATITIC VEIN							
152.7	No moly seen							
152.7	GREENSTONE							
154.5	As above							
154.5	PEGMATITIC VEIN							
156.0	No moly seen.							
156.0	GREENSTONE -							
158.4	As above							

Log By J.G. Willars, P.Eng.
for E. L. MacVEIGH

DIAMOND DRILL RECORD

Hole No. 17 Sheet No. 2.
Property Jonsmith-Des Rosiers
Drilled by
Date Begun
Date Finished
Contractor's Footage

Co-ordinates Collar
Lat. Dept.
Elev. Collar
Bearing
Angle
Working Place

Total Depth 242'
Ft. of Core Recovered
% Recovery
Size Bit Used
Size Core

Depth Feet	Formation	Sample No.	Width	Ozs. Au	Ozs Ag	% Cu.	% Ni.	% Zn.
158.4	PEGMATITIC VEIN							
165.0	No moly.							
165.0	GREENSTONE							
170.5	Altered diorite probably.							
170.5	PEGMATITE							
172.0	No moly.							
172.0	PEGMATIZED RHYOLITE							
202.0	Quartz stringers in rhyolite. No moly seen.							
202.0	GREENSTONE							
205.0	Altered diorite (?)							
205.0	PEGMATITIC VEIN							
210.0	At 10° to core. No moly.							
210.0	RHYOLITE - sheared &							
217.0	silicified.							
217.0	PEGMATITIC VEIN							
218.5	Small amount of moly. Sample 217. 220.5	88.	2.5					
218.5	GREENSTONE							
221.0	@ 220.5, 6" pegmatitic vein -no moly. @ 221.0' 2" pegmatitic vein. smears of moly in greenstone next to pegmatitie.							
221.0	PEGMATITIC VEIN							
229.0	No moly.							
229.0	DIORITE							
231.0	With pegmatitic stringers.							
231.0	PEGMATITIC VEIN							
234.5	Silicified diorite							
234.5	GREENSTONE							
242.0	END OF HOLE - 242'.							

NOTE: This hole drilled from southeast side of Contact Zone opposite to Holes 14,15,16. Contact Zone cut from 145' to 220'. Very little moly present.

Log By J.G. Willars, P.Eng.
for A. MacVEIGH

ELEV. D.D.H. I = 0.0

DIAMOND DRILL RECORD

Hole No. 18 Sheet No. 1
Property Jonsmith-Des Rosiers
Drilled by Longyear
Date Begun June 19,1960
Date Finished June 22,1960
Contractor's Footage

Co-ordinates Collar
Lat. 762' N. Dept. 81'W.
Elev. Collar -1.8'
Bearing N 19° W
Angle -45°
Working Place CL. S-105731

Total Depth 157'
Ft. of Core Recovered 140'
% Recovery 90%
Size Bit Used BX
Size Core B.

Depth Feet	Formation	Sample No.	Width	Ozs. Au.	Ozs. Ag.	% Cu.	% Ni.	% Zn.
0.0	CASING							
45.0								
45.0	GREENSTONE - fine to medium							
51.5	grained green rock							
51.5	GRANITE - pink, medium							
57.5	grained							
57.5	BIOTITE SCHIST							
58.0	Alteration zone of granite.							
58.0	GRANITE							
59.0	As above.							
59.0	LOST CORE							
63.0								
63.0	FAULT (?) & lost core							
65.5	& Cave							
65.5	GREENSTONE - as above							
79.1	@ 77' oval shaped chunk of granite							
	Shows proximity of dyke							
79.0	GRANITE - as above							
84.8								
84.8	GREENSTONE							
85.5	As above							
85.5	GRANITE							
85.8	As above							
85.8	GREENSTONE							
95.0	As above							
95.0	PERIDOTITE							
102.5	Soft medium grained with 6" banded							
	silicified zone at start.							
102.5	GREENSTONE							
104.5	Granitized							
104.5	PEGMATITIC VEIN							
106.0	No moly							
106.0	LOST CORE							
107.5								

Log By J.G. Willars, P.Eng.
for L. MacVEIGH

DIAMOND DRILL RECORD

Hole No. 18 Sheet No. 2
Property Jonsmith-Des Rosiers
Drilled by
Date Begun
Date Finished
Contractor's Footage

Co-ordinates Collar
Lat. Dept.
Elev. Collar
Bearing
Angle
Working Place

Total Depth 157'.0
Ft. of Core Recovered
% Recovery
Size Bit Used
Size Core

Depth Feet	Formation	Sample No.	Width	Ozs. Au.	Ozs. Ag.	% Cu.	% Ni.	% Zn.
107.5	PERIDOTITE							
109.5	As above							
109.5	GRANITE							
111.0	As above							
111.0	PERIDOTITE							
115.0	As above							
115.0	GRANITE							
128.5	As above							
128.5	PERIDOTITE							
138.0	As above							
138.0	GRANITE							
146.8	As above							
146.8	PERIDOTITE							
157.0	As above.							
	END OF HOLE - 157'							

Log By J.G. Willars, P.Eng.
for E.A. MacVEIGH

Rep

900

~~W6006.70~~

W6006-05724

IMPORTANT

Attach sketch showing location of work in relation to corner posts, and nature and extent thereof.

Form 12 A
MM-59-360

THE MINING ACT REPORT OF WORK

ONTARIO

To the Recorder of Sudbury Mining Division:

I, We, Jonsmith Mines Limited,
(Name of Applicant)

Room 906, 357 Bay Street, Toronto 1, Ontario
(Post Office Address)

the recorded holder of mining claim No S.105724 hereby report the performance of 115 days' work not before reported, to be applied to this claim.

*This mining claim is one of a group of contiguous claims numbered S.105723 to 26 incl., 105734 to 38 incl., 105740-41; 109176, 109181,82, 109185, 111089 to 111091 incl.

of which I am the recorded holder under Mining License No. A.22227 and the work was performed on mining claim(s) S.105724, 109176 and is to be applied in respect of mining claim(s) S.105724
(*Complete above section only if applicable)

The work is as follows:

Stripping or opening up mines, sinking shafts or other actual mining operations

The names and addresses of the men who performed the work and the dates upon which each man worked in its performances are: (If more space is required attach list).

Nick Klieff, Gogama, Ontario. January 25th, March 31st - 67 days
Nick Klieff, Gogama, Ontario. May 21st, June 30th - 40 days
Eugene Collins, Gogama Ontario January 25th, March 31st - 67 days
Eugene Collins, Gogama Ontario May 21st, June 30th - 40 days

Total No. of days 214 days

Diamond or other Core Drilling

Footage drilled 1209 No. of holes drilled 5 Angle
Diameter of core B X L Names and addresses of owner and operator of drill Canadian Longyear Co., North Bay, Ontario

Dates upon which drilling was done As shown on drill log.
(Core log and Sketch in duplicate by core examiner accompanies this Report)

Total No. of days 1209

Work by Compressed Air or other Power Driven Rock Drill or Mechanical Equipment.

Type of drill Atlas Copco Cobra gasoline drills

Names and addresses of men engaged in operating drill.
George W.H. Borgford, Gogama, Ontario
Omer Collins, Gogama, Ontario

Dates upon which each man worked

Borgford and Collins Total No. of days 648 - 3 hr. days
January 24th, March 31st, 1960 x 2 = 136 - 9 hr. days
May 21st, June 30th 1960 x 2 = 80 - 9 hr. days
216 - 9 hr. days

The penalty for making a false statement in this certificate is $500. or six months imprisonment or both

S 105724

#10

DESROSIER TWP

W6006-05727

IMPORTANT

Attach sketch showing location of work in relation to corner posts, and nature and extent thereof.

Form 12 A
25M-59-360

THE MINING ACT REPORT OF WORK

ONTARIO

To the Recorder of SUDBURY Mining Division:

I Jonsmith Mines Limited
(Name of Applicant)

Room 906, 357 Bay Street, Toronto.
(Post Office Address)

the recorded holder of mining claim No. S 105727 hereby report the performance of 183 days' work not before reported, to be applied to this claim.

*This mining claim is one of a group of contiguous claims numbered S 105727 to 105733 incl.; 105739; 105742; 109177 to 80 incl.; 109183 -84, 109186-87; 111610.

of which I am the recorded holder under Mining License No. A 22227 and the work was performed on mining claim(s) S 105727; 105731 and is to be applied in respect of mining claim(s) S 105727
(*Complete above section only if applicable)

The work is as follows:

Stripping or opening up mines, sinking shafts or other actual mining operations

The names and addresses of the men who performed the work and the dates upon which each man worked in its performances are: (If more space is required, attach list).

Total No of days

Diamond or other Core Drilling

Footage drilled 3309 No. of holes drilled 15 Angle

Diameter of core B X L Name and addresses of owner and operator of drill Canadian Longyear Co., North Bay Ontario.

Dates upon which drilling was done As shown on drill log.

(Core log and Sketch in duplicate by core examiner accompanies this Report.)

Total No of days 3309

Work by Compressed Air or other Power Driven Rock Drill or Mechanical Equipment.

Type of drill

Names and addresses of men engaged in operating drill.

Dates upon which each man worked

Total No. of days

RECEIVED

The penalty for making a false statement in this certificate is $500 or six months imprisonment or both.

MINING DIVISION

Sketch on

S. 105727

#10

DESROSIER TWP

IMPORTANT
Attach sketch showing location of work in relation to corner posts, and nature and extent thereof.

W6006-05731

Form 12 A
25M-59-360

THE MINING ACT REPORT OF WORK

ONTARIO

To the Recorder of SUDBURY Mining Division:

We Jonsmith Mines Limited

I .....
(Name of Applicant)

Room 906, 357 Bay Street, Toronto
(Post Office Address)

the recorded holder of mining claim No. 105731 hereby report the performance of 183 days' work not before reported, to be applied to this claim.

*This mining claim is one of a group of contiguous claims numbered S 105727 to 105733 incl.; 105739; 105762; 109177 to 80 incl.; 109183-84; 109186-87; 111610.

of which I am the recorded holder under Mining License No. A 22227 and the work was performed on mining claim(s) S 105727; 105731 and is to be applied in respect of mining claim(s) 105731
(*Complete above section only if applicable)

The work is as follows:

Stripping or opening up mines, sinking shafts or other actual mining operations

The names and addresses of the men who performed the work and the dates upon which each man worked in its performances are: (If more space is required, attach list).

Total No. of days .....

Diamond or other Core Drilling

Footage drilled 3309 BAL No. of holes drilled 15 Angle .....
Diameter of core .....
drill Canadian Longyear Co., North Bay, Ontario.

Dates upon which drilling was done as shown on drill log.
(Core log and Sketch in duplicate by core examiner accompanies this Report.)

Total No. of days 3309

Work by Compressed Air or other Power Driven Rock Drill or Mechanical Equipment.

Type of drill .....
Names and addresses of men engaged in operating drill.

105731

Dates upon which each man worked .....

Total No. of days .....

SUDBURY RECEIVED

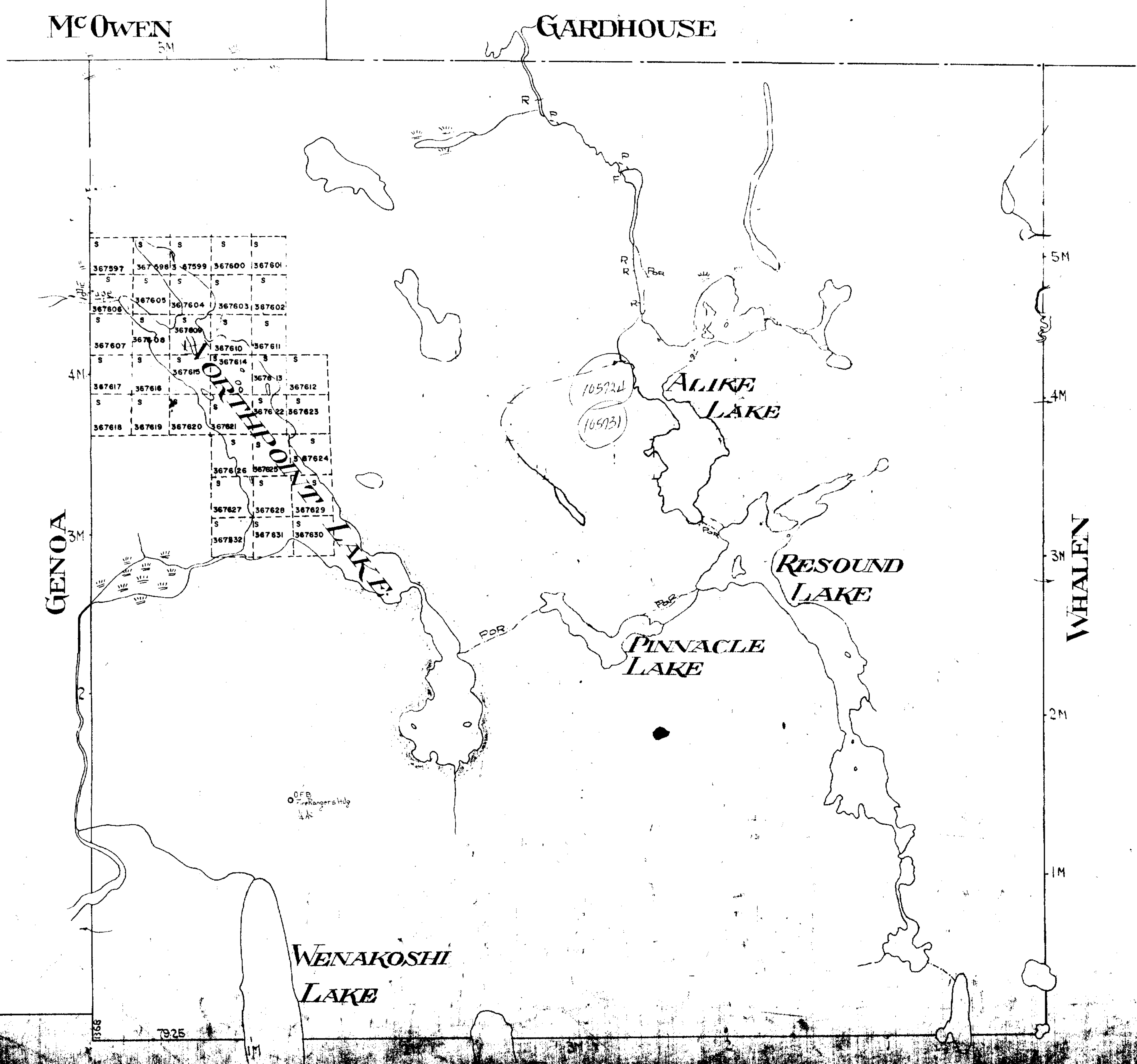
The penalty for making a false statement in this certificate is $500. or six months imprisonment or both.

S. 105731

DESROSIERS
DISTRICT OF SUDBURY
SUDBURY MINING DIVISION
Scale ~ 40 Chains ~ 1 Inch

NOTE

400' Surface Rights Reservation around all Lakes and Rivers.


McOWEN
GARDHOUSE
GENOA
WHALEN
NORTHPOINT LAKE
ALIKE LAKE
RESOUND LAKE
PINNACLE LAKE
WENAKOSHI LAKE
5M
4M
3M
2M
1M
2
POR
R
P
F
105924
105931
OFB Fire Rangers Hdq
¼ Ac
79.25
1368
367597
367598
367599
367600
367601
367602
367603
367604
367605
367606
367607
367608
367609
367610
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367630
367631
367632

JONSMITH MINES LIMITED

MOLYBDENUM PROSPECT

DESROSIER TOWNSHIP, GOGAMA AREA, ONT.

GEOLOGICAL MAP OF PART OF THE PROPERTY

LEGEND

KEWEENAWAN

6 — Quartz diabase dikes

ALGOMAN

5 — Pegmatite dikes

4 — Granite dikes and bosses

BASIC INTRUSIVES

3 — Diorite and gabbro

2 — Peridotite

KEEWATIN

1. — Highly altered schist complex of greenstone and rhyolite

SYMBOLS

- Outcrop
- Geological contact
- Geological contact assumed
- Schistoscity direction & dip
- Strike & dip
- Fault assumed
- Molybdenum occurence
- High grade molybdenum
- Bulldozed area
- Tractor road
- Bridge
- Creek
- Picket line
- Claim line & post
- Recommended diamond drill hole
- Swamp
- Pit

ALIKE LAKE

CAMP

TIE LINE

BASE LINE NO. 1

BASE LINE NO. 2

GRANITE

NORTH SHOWING

SOUTH SHOWING

DDH No. 1

DDH No. 2

105723 105724 105725 105726 105727 105728 105729 105730 105732 105733 105739 105741 105742 109176 109177 109178 111089

INDEX MAP

TIMMINS
JONSMITH
GOGAMA
HWY. NO. 11
HWY. NO. 17
SUDBURY
NORTH BAY
N

1 INCH = 34 MILES

Oct. 28, 1959.

SCALE

100 50 0 100 200

1 INCH = 100 FEET

E. L. MacVeigh B.A., M.S.
&
Jack G. Willars B.A.Sc., P.Eng.

JACK G. WILLARS

3 x 3½ 10½ sq. ft.

N

105725

105723

105726

TIE LINE

20'x4'x3'
9'x6'x3'
41'x4'x1'

111089

105724

109176

6'x6'x4'
20'x8'x4'

B-A.S.E. LINE NO. 1

6'x4'x3'

43'x4'x1'
6'x4'x1'
2'x2'x1'
42'x6'x1.5'
22'x4'x3.5'
17'x3'x1'
9'x8'x2'
3'x2'x1'
2'x2'x1'
3'x1'x1'
16'x1'x4'
NORTH SHOWING
11'x6'x8'
72'x39'
8'x9'x1'
110'x4'x3'

L 28 N
L 26 N
L 24 N
L 22 N
L 20 N
L 18 N
L 16 N
L 14 N
L 12 N
L 10 N

SCALE 1" = 100'

Map Showing Pits & Dimensions

2 x 2 4 sq. ft.

LEGEND

KEWEENAWAN

7 Quartz diabase dikes

ALGOMAN

6 Pegmatite dike & pegmatitic vein

5 Granite

BASIC INTRUSIVES

4 Diorite

3 Peridotite

KEEWATIN

2 Highly altered greenstone schist

1. Rhyolite tuff

SYMBOLS

MO. Molybdenite

Fault

Swamp

1 - 13 + 18

HOLES ~~1 - 10~~

PLAN OF DIAMOND DRILLING

VERTICALLY PROJECTED

JONSMITH MINES LIMITED

MOLYBDENUM PROSPECT

DESROSIER TOWNSHIP, GOGAMA AREA, ONT.

SCALE

20 10 0 20 40

1" = 20'

E.L. MacVeigh B.A., M.S.

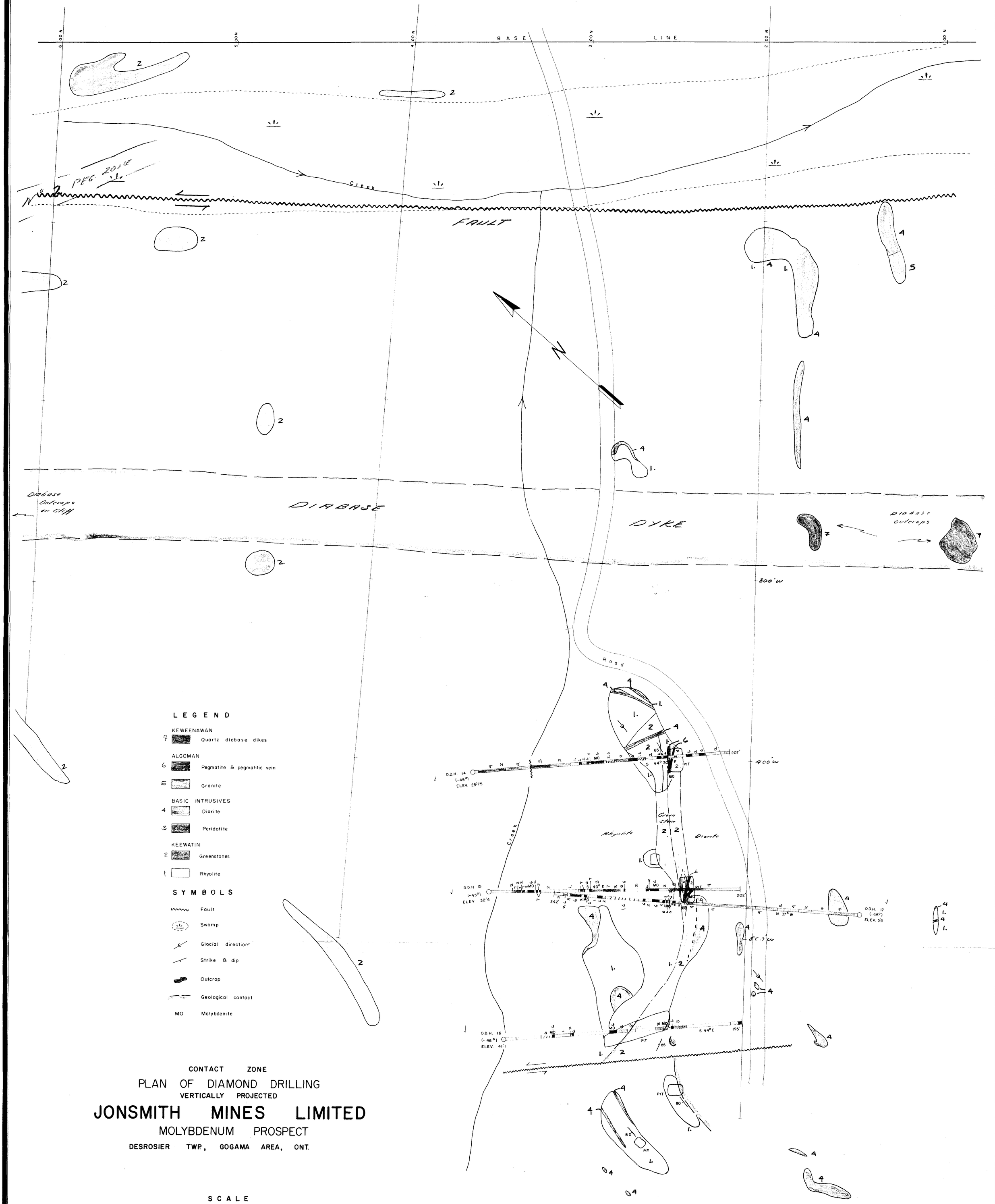
J.G. Willars B.A.Sc., P.Eng.

April, 1960.

REGISTERED PROFESSIONAL ENGINEER
JACK G. WILLARS
ONTARIO

230

2x3 6 sq.ft.



LEGEND

KEWEENAWAN

7 Quartz diabase dikes

ALGOMAN

6 Pegmatite & pegmatitic vein

5 Granite

BASIC INTRUSIVES

4 Diorite

3 Peridotite

KEEWATIN

2 Greenstones

1 Rhyolite

SYMBOLS

- Fault
- Swamp
- Glacial direction
- Strike & dip
- Outcrop
- Geological contact
- MO Molybdenite

CONTACT ZONE

PLAN OF DIAMOND DRILLING

VERTICALLY PROJECTED

JONSMITH MINES LIMITED

MOLYBDENUM PROSPECT

DESROSIER TWP., GOGAMA AREA, ONT.

SCALE

20 10 0 20 40

1 INCH = 20 FEET

E. L. MacVeigh B.A., M.S.
J. G. Willars B.A.Sc., P.Eng

June 1960.

6 sq. ft.