Diamond Drilling

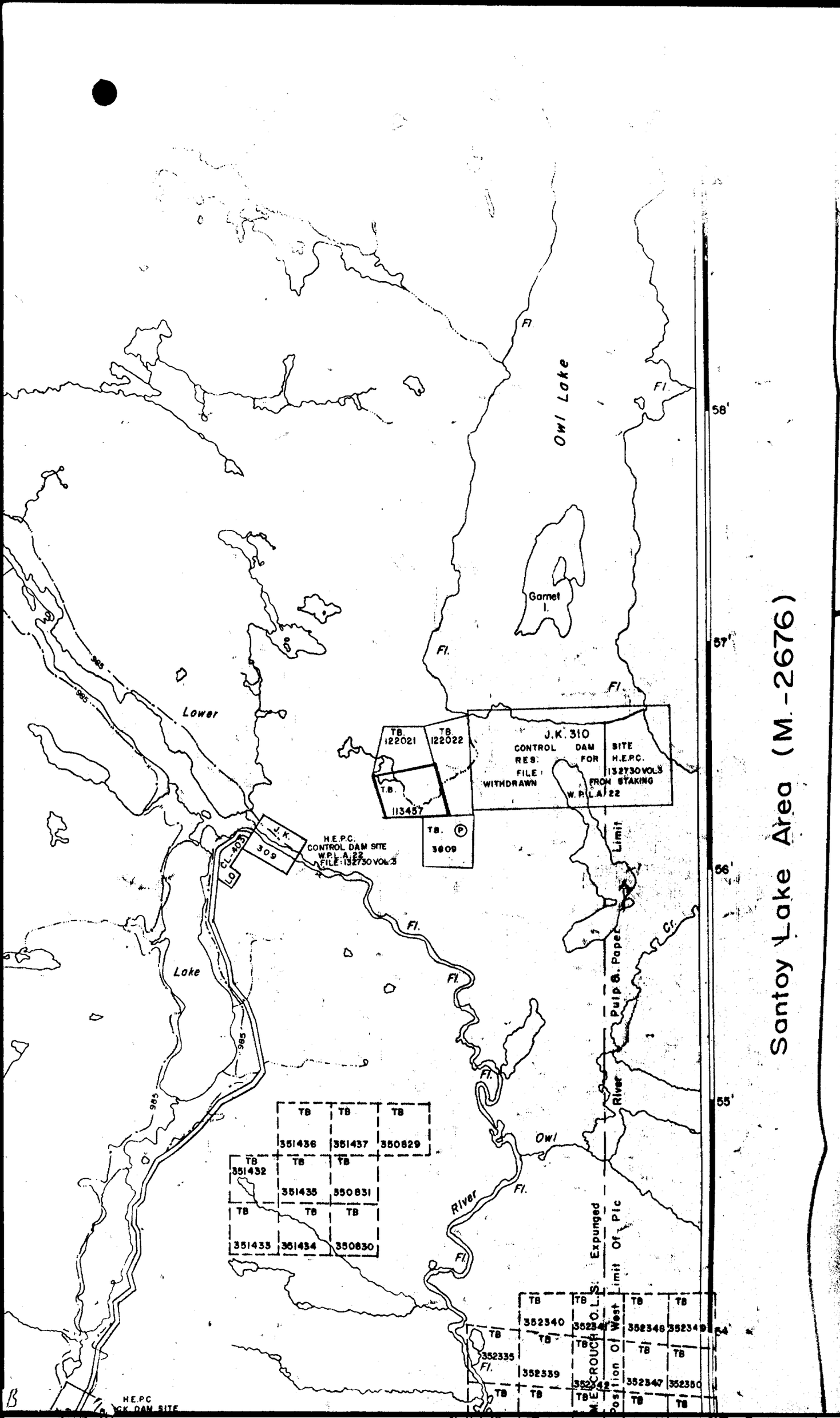
Area of LOWER AGUSABON LAKE

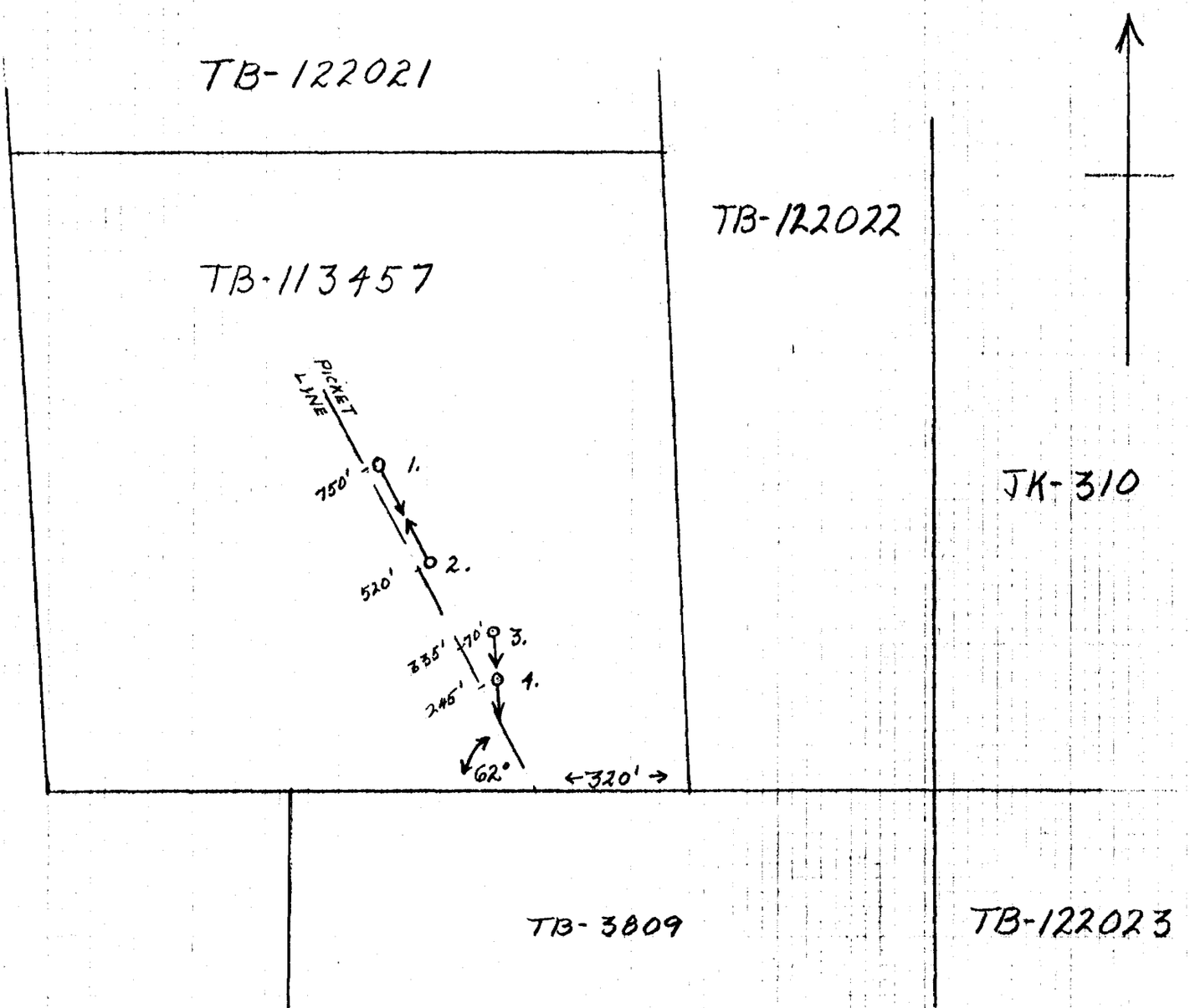
Report Nº 12

Work performed by: Halet, Broadhurst & Ogden Associates

Claim Nº	Hole Nº	Footage	Date	Note
TB 113457	1	133'	Oct/66	
	2	131'	Oct/66	
	3	133'	Oct/66	
	4	127'	Oct/66	

Notes:


Owl Lake
Garnet I.
Lower
Lake
Owl River
Fl.
985
58'
57'
56'
55'
54'
T.B. 122021
T.B. 122022
T.B. 113457
T.B. (P) 3809
J.K. 310
CONTROL DAM SITE FOR H.E.P.C.
RES. FILE 132730 VOL 3
WITHDRAWN FROM STAKING
W.P.L.A. 22
J.K. 309
H.E.P.C. CONTROL DAM SITE W.P.L.A. 22 FILE 132730 VOL 3
CL-405
Pulp & Paper Limit
Cr.
T.B. 351436
T.B. 351437
T.B. 350829
T.B. 351432
T.B. 351435
T.B. 350831
T.B. 351433
T.B. 351434
T.B. 350830
T.B. 352340
T.B. 352341
T.B. 352348
T.B. 352349
T.B. 352335
T.B. 352339
T.B. 352342
T.B. 352347
T.B. 352350
Expunged
Position Of West Limit Of Pic
O.L.S.
McCROUCH
H.E.P.C.
CK DAM SITE
Santoy Lake Area (M.-2676)



OWL LAKE MOLYBDENITE CLAIMS

DRILLING PLAN

SCALE 1 IN. = 300 FT.

OGDEN

LOCATION OF OWL LAKE MOLYBDENUM DRILL HOLES

All holes are located by the old base line which starts on the south boundary of Claim TB-113457 at a point 320 feet west of the number 2 post. The base line extends north on a magnetic azimuth of 335°. Hole locations are started using the base line as grid north, measuring along it from the south boundary of the claim and at right angles to it. i.e. grid east.

DIAMOND DRILL LOG

PROPERTY: OWL LAKE MOLYBDENITE HOLE NUMBER: 1

LOCATION: In Claim TB - 113457 DIP TESTS

Latitude: 750' N on Grid Dip: 31° Footage Reading Corrected

Departure: 20' E " " Depth: 133'

Elevation: 20' Above Pond Commenced: Oct. 25/66

Azimuth: Grid South Finished: " 27/66 Logged by: Michael Ogden

SAMPLE NUMBER	DESCRIPTION	FEET	% MO.
	0 - 4 Casing.		
	4 -60 Massive pink granite with a few irregular quartz veins (Q.V.) up to a foot wide cutting the core at 60°. About 3% of the rock is grey spots of biotite and pyrite with very little chalcopyrite or molybdenite. Most of the visible "moly" is in quartz veins with only the odd speck in the granite although there may be some very fine moly distributed throughout the granite.		
6267	4-10: A 3" Q.V. @ 6' and an 8" Q.V. @ 9' both with moly. The core is broken and some of the Q.V. material is undoubtedly lost.	6.0	
6268	10-20: Broken core, 1.5' lost @ 18', a 1" Q.V. @ 11', a 8" Q.V. @ 13' both with no visible mineralization (N.V.M.) a 3"+½ ? Q.V. @ 17' N.V.M.	10.0	
6269	20-30: A 2" Q.V. @ 23' a 1" Q.V. @ 25', three Q.V. of ½" @ 28', a ½" Q.V. @ 29' all with N.V.M.	10.0	
6270	30-40: 1" Q.V. @ 31', a 18" Q.V. @ 32' both with disseminated Moly in the vein and the swall rock.	10.0	
6271	40-50: A 12" Q.V. @ 42' V.L.M., ¼" Q.V. @ 43', a 6" Q.V. @ 45' V.L.M., a 3" Q.V. @ 47' with Moly in the swall rock and a 6" Q.V. @ 50'.	10.0	
6272	50-60: A ¼" Q.V. @ 51', a 1" Q.V. @ 52', a 12" Q.V. with 1% disseminated Moly @ 57'.	10.0	
	60-80 Pink granite with 7-10% dark spots.		
6273	60-70: At 65' there are 2 Q.V. of 1" with ½% Moly and at 69' there is ¼" Q.V.	10.0	
6274	70-80: 2" Q.V. @ 78' and 1" Q.V. @ 79' N.V.M. The rock is changing here.	10.0	

SHEET NUMBER: 2 HOLE NUMBER: 1

SAMPLE NUMBER	DESCRIPTION	FEET	% MO.
	80-108 Grey-blue granite, massive, even textured, with 12% dark spots of biotite and about 1/8 of them is sulphides; mostly pyrrhotite with some pyrite and the odd speck of chalcopyrite. The blue tint could be very fine molybdenite.		
6275	80-90: 6 half inch Q.V. @ 81, 83, 85½, 86, 87, and 88. A 2" Q.V. @ 82 and 84 all with N.V.M. A 3" zone of Quartz @ 86½' with pieces of molybdenite.	10.0	
6276	90-100: A 3" Q.V. @ 91½' N.V.M., a 2" Q.V. @ 92', a ½" Q.V. @ 94 and 95, a 3" Q.V. @ 96', a ½" Q.V. @ 97' and three ½" Q.V.'s @ 98'. V.L.M.	10.0	
6277	100-108: A 4" Q.V. @ 102', a 1" Q.V. @ 102½' N.V.M.	8.0	
	108-133: Basalt, dark green, even textured fine grain rock. Contact is sharp @ 30° and the granite side is chilled for a foot. No veins or mineralization are in the basalt. There are 3 slips @ 45°; 110, 113 and 117.		
	133: End of hole!		

DIAMOND DRILL LOG

PROPERTY: OWL LAKE MOLYBDENITE — HOLE NUMBER: 2

LOCATION: In Claim TB - 113457 — DIP TESTS

Latitude: 520' N. on Grid — Dip: 30° — Footage / Reading / Corrected

Departure: 20' E. on Grid — Depth: 131'

Elevation: 4' Above Pond — Commenced: Oct. 20/66

Azimuth: Grid South — Finished: Oct. 24/66 — Logged by: Michael Ogden

SAMPLE NUMBER	DESCRIPTION	FEET	% MO.
	0 - 4 Casing		
	4 -25: Massive pink granite, rice size grain, even textured rock of 10% quartz, 83% feldspar and 7% black spots which are mostly biotite, about 1/3 pyrrhotite (Po), 1/10 pyrite (Py) and a little fine chalcopyrite (cp) and molybdenite (Mb). Assay estimate is 0.2% Copper (cu) and 0.05% molybdenite (Mb). Sample as follows:-		
6251	4-10: contains 2 almost barren quartz veins (Q.V.)@ 4.1 and 7.2 ft.	6.0	
6252	10-20: 6 veins of ¼" to 1½".	10.0	
6253	20-30: colour change.	10.0	
	25-100: Grey-blue granite faintly gneissic rice size grain, 20% quartz, 65% feldspar, 15% black spots of mostly biotite, about ¼ pyrite with very little chalcopyrite, pyrrhotite and perhaps a trace of molybdenite. Sampled as follows:-		
6254	30-35: 3 irregular ½" quartz veins (Q.V.) with very little mineralization (V.L.M.)	5.0	
6255	35-38: A 14" Q.V. with 1% Mb and 2 Q.V. of ½" width with V.L.M.	3.0	
6256	38-45:	7.0	
6257	45-55:	10.0	
6258	55-59:	4.0	
6259	59-62: 18" Q.V. with 1% Mb.	3.0	
6260	62-70: with 2 Q.V. of ½"	8.0	
6261	70-80: with a 6" Q.V. @ 79" V.L.M.	10.0	

SHEET NUMBER: 2 HOLE NUMBER: 2

SAMPLE NUMBER	DESCRIPTION		FEET	% MO.
6262		80-90: With a ½" Q.V. @ 82 and 84 ft and a 2" Q.V. (probably larger but core ground) @ 86' V.L.M.	10.0	
6263		90-100: A 3" basalt dyke @ 45° at 93' plus a couple of ¼" Q.V. @ 97' and a joint @ 99' at 20° to core with a pyrite veneer along it.	10.0	
	100-131:	Pink granite, 10% dark spots which are biotite with a little (5%) pyrite. No visible Molybdenum except in the quartz veins and then only occasionally. There are frequent sections of 3" to 36" of greenstone. It looks like the contact is near. The greenstone is a fine grain hornblend gneiss with 3% pyrite.		
6264		100-110: 3" greenstone @ 101 and 102 feet also 103' and 1" @ 106' all at 50°.	10.0	
6265		110-120: ½" Q.V. @ 111', 1" Q.V. @ 119' and greenstone from 113 to 116 @ 45°.	10.0	
6266		120-131: 6" greenstone @ 125' and 127' and last 2 feet of core in greenstone.	11.0	
	131:	End of hole!		

DIAMOND DRILL LOG

PROPERTY: OWL LAKE MOLYBDENITE — HOLE NUMBER: 3

LOCATION: In Claim TB - 113457 — DIP TESTS

Latitude: 335' N on Grid — Dip: 30° — Footage — Reading — Corrected

Departure: 70' E " " — Depth: 133'

Elevation: 4' Below Pond — Commenced: Oct. 28/66

Azimuth: 200° Grid — Finished: Oct. 29/66 — Logged by: Michael Ogden

SAMPLE NUMBER	DESCRIPTION	FEET	% Mo.
	0 -40: Pink granite, massive with 4% dark spots of biotite and sulphides, mostly pyrrhotite, with a little pyrite and a trace of chalcopryite. There are a few white quartz veins at steep angles to the core most of which carry a little disseminated molybdenite.		
6278	0-3: A ½" Q.V. with heavy Moly at collar and a 4" Q.V. plus 4% Moly at 1'	3.0	
6279	3-13: 3" Q.V. @ 5' V.L.M., 2" Q.V. @ 5½' V.L.M. and 1" Q.V. @ 10' V.L.M.	10.0	
6280	13-23: 1½" Q.V. @ 15½", ½" Q.V. @ 23'	10.0	
6281	23-33: 1" Q.V. @ 28' V.L.M.	10.0	
6282	33-40: 2" Q.V. with 2% Mo @ 35' and 8" Q.V. @ 32' V.L.M.	7.0	
	40-63: Gradational zone of bluish-pink granite, 10% dark spots of biotite and a little sulphide. The same total amount of sulphide as in pink granite. Less distinct crystals than above.		
6283	40-50: 1" Q.V. @ 43'; (1" Q.V. @ 52' N.V.M.; 6" Q.V. @ 53' with a couple of pyrite stringers and 2% disseminated moly. ½" Q.V. @ 63½" N.V.M.; 4" Q.V. @ 55' 4 4% moly, in a stringer and also disseminated, particularly along the vein walls.)	10.0	
	61-63: siliceous zone, V.L.M.	2.0	
	63-133: Blue-grey granite but 20% dark spots of biotite with a very little sulphide.		
	63.0-63.5: 6" siliceous zone with a little disseminated (1 %) moly.		
	66: 3" Q.V. with 2% chalco.		

SHEET NUMBER: 2 HOLE NUMBER: 3

SAMPLE NUMBER	DESCRIPTION	FEET	% MO
	68-74: Four ½" Q.V. N.V.M.		
	80.2: 3" Q.V. N.V.M.		
	82.5: 1" Q.V. Tr. chalco.		
	84.5 to 87.0: Numerous, 1" to 6" Q.V. with a little scattered pyrite and chalco. but no moly.		
	87.8: 2" Q.V. scattered pyrite only.		
	92.5: 6" Q.V. scattered pyrite, Po. and Cp. but no Mo.		
6292	96.0-99.0: Has a 7" Q.V. and a little moly from 96.2-96.8 and a 12" Q.V. from 97.0-98.0	3.0	
	101: 1" Q.V. N.V.M.		
	106: 3" Q.V. Trace pyrite.		
	107.5: 2" Q.V. blob of pyrite.		
	113-114: Intermixed quartz with a little pyrite (1%) and pyrrhotite and a trace of chalco. no moly.		
	117-118½: Basalt		
	119: 3" of basalt @ 30° to core. The underlying basalt contact must be close.		
	133: End of hole!		

DIAMOND DRILL LOG

PROPERTY: OWL LAKE MOLYBDENITE HOLE NUMBER: 4

LOCATION: In Claim TB - 113457 DIP TESTS

Latitude: 245' N on Grid Dip: 30° Footage Reading Corrected

Departure: 40' E on Grid Depth: 127'

Elevation: At Pond Level Commenced: Oct. 30/66

Azimuth: 200° Grid Finished: Nov. 2/66 Logged by: Michael Ogden

SAMPLE NUMBER		DESCRIPTION	FEET	% MO.
	0-39:	Pink granite, course distinct grains, even textured like the first 40 ft. of hole 3. Consists of 82% feldspar, 15% quartz and 3% dark spots of biotite and sulphide in variable but averaging equal proportions. The sulphides are mostly pyrrhotite with a little pyrite and a trace of chalcopyrite. The contact with the following heavily spotted, grey granite is gradational over 4 ft. During the last 3 ft. of the pink granite, the clearly defined crystals of white and pink feldspar slowly become blurred. The pink granite seems thus to be the top, slow cooled, portion of the more common grey granite. Quartz veins with molybdenite are common in the pink granite. There are also a number of narrow barren quartz veins.		
6284	0- 3:	A 1" Q.V. @ 1' and two ½" Q.V. @ 2'	3.0	
6285	3- 7:	A 1" wide band of massive (50%) molybdenite @ 4.0' at 60° to core followed by a 3" Q.V. . A 1" Q.V. @ 4.3 '. Massive quartz from 4.6 to 6.0 with three 1/8" bands of massive molybdenite at 6'.	4.0	
6286	7-13:	½" barren Q.V. 7.2 1" " " " 7.7 1½" " " " 8.2 ½" " " " 9.0 6" " " " 11.0	6.0	
6287	13-20:	2" Q.V. & trace moly @ 15.0 4" Q.V. & blobs of moly @ 15.7 1" Q.V. @ 17.0 Numerous stringers of quartz with spotty molybdenite from 18.3 to 19.6.	7.0	
6288	20-30:	1" Q.V. @ 21.5 ½" Q.V. @ 23.8 1" Q.V. @ 24.0 ½" Q.V. @ 24.3 1" Q.V. @ 25.4	10.0	

SHEET NUMBER: 2 HOLE NUMBER: 4

SAMPLE NUMBER	DESCRIPTION	
6289	30-37: 4" Q.V. + a little moly @ 31.0 5' Q.V. from 31.5 to 36.5 with 1/8" bands of massive (50%) molybdenite and scattered flakes within the vein approximately ½% moly. About as much moly as is left in the core could easily have been ground up and lost in the drilling.	7.0
6290	37.0 - 39.0:	2.0
	39.0-127: Grey blue granite, massive, even textured 70% white feldspar, 15% quartz, 15% dark spots which are mostly biotite with a little pyrrhotite and few pyrite cubes. There is no visible molybdenum mineralization. The rock is like the bottom of hole 3 with vague crystal outlines.	
6291	39-49: 4" Q.V. @ 45.0 1" Q.V. @ 47.0 2" Q.V. @ 47.3	10.0
	50-51: 12" Q.V. plus a few flakes of chalco. and very little moly. 52: 1" Q.V. N.V.M. 62-64: Four ½" Q.V. a little pyrite. 71-71½: Basalt dyke @ 70° with disseminated (2%) pyrite. 72: A 3" Q.V. + a little chalcopyrite.	
6293	78-83: 78.5-80.0: Q.V. with a little disseminated moly. 81.5: 2" Q.V., threads of chalcopyrite and moly. 82.0-82.7: 8" Q.V. with a little disseminated moly and chalcopyrite.	5.0
6294	96.0-112.5: A badly broken quartz vein with sand filled fractures that stopped the hole until heavily greased. Less than half (1/3) of the core was obtained and it is quartz with 1% moly disseminated and also in occassional stringers. The lost core was probably of similar if not a little better moly content than that assayed.	16.5
	118: 6" Q.V. with a little chalco. and moly. 124-125: Lost core, does not appear to have been quartz.	
	127: End of Hole!	