



42L07NE0005 OP92-491 TRIDENT LAKE

010

**OPAP FINAL SUBMISSION  
SUMMER 1992**

**FILE No. OP92-491  
FILE No. OP92-746**

**SUBMITTED BY:**

**AUBREY J. EVELEIGH  
J. GARRY CLARK**

**NOVEMBER 1992**



42L07NE0005 OP92-491 TRIDENT LAKE

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## **INTRODUCTION**

The Muriel Lake property, which contains the Holland-Chellew occurrence, is located approximately 30km north of the town of Nakina, Ontario. The claim group consists of 2 separate blocks, a west block (5 claims, 67 units) and an east block (2 claims, 23 units) with a total of 7 claims and 90 units.

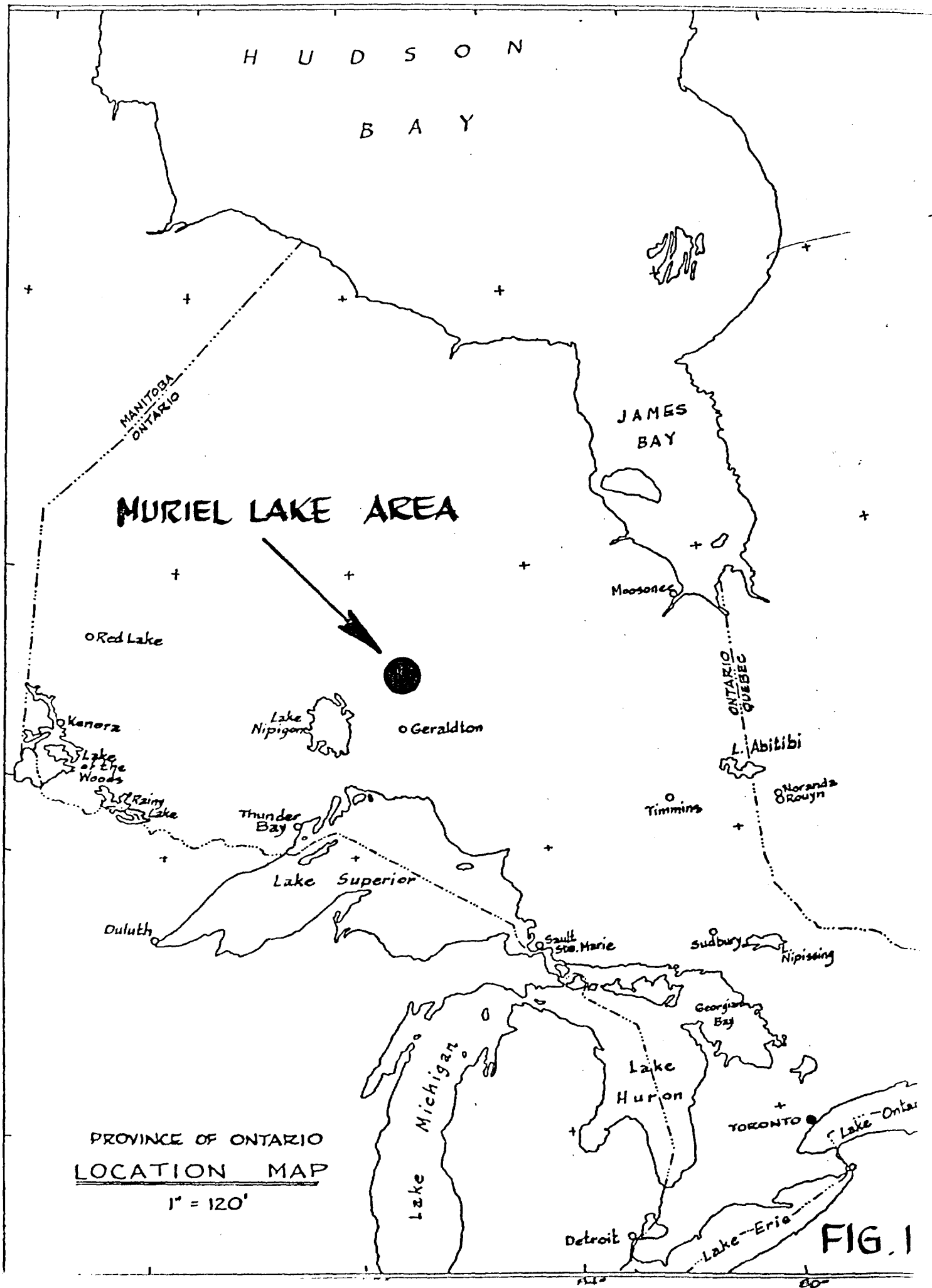
The property lies within the northeastern end of the Kowkash Greenstone Belt where the belt appears to pinch out to approximately 7 to 8km wide. The claim group covers a dominantly mafic, with interflow tuffs, submarine, volcanic pile. The rocks generally strike east-west and dip steeply to the north.

The property was first explored in 1929 but has not received a lot of ground work since, despite the numerous significant results that have been returned from here. This area, considered to be a favourable site for a Volcanogenic Massive Sulphide deposit, returned a number of interesting results from the OPAP programs this summer.

## **LOCATION AND ACCESS**

The claim group lies approximately 300km northeast of Thunder Bay, Ontario and 35km north of Nakina. The property is within the Beardmore-Geraldton area of the Thunder Bay Mining Division. The claim map sheet is Maun Lake, G-319 with latitude 50 27'57" longitude 86 49'55" in the NTS 42 L 7 NE.

Access is via logging road 643 north to O'Sullivan Lake and branching off on to a Kimberly Clark logging road northeast to Muriel Lake.



## PREVIOUS WORK

- 1980 Between July 5 and August 18, AMAX Minerals Exploration Limited performed geological mapping on their 54 claim Muriel group. Waddington mentions one area of mineralization that is worth noting occurs in the southeast corner of claim TB 559277. This area corresponds well with a "bull's eye" MAG/EM anomaly.
- 1980 During March, Questor Limited flew an AMAG/AEM survey for AMAX Minerals Exploration Limited. The survey was flown in order to evaluate a narrow, approximately E-W trending, "greenstone belt" which was found to be of interest from previous reconnaissance mapping of the area by AMAX staff. It was suggested that this survey be done in conjunction with a latter geological survey.
- 1976 Texasgulf Inc. flew an airborne geophysical survey (AMAG/AEM) over 8 contiguous claims (TB 405081-84, TB 405087-90) located south of Muriel Lake. A single conductive zone was detected with a near surface expression and a fairly strong response. It seems to have width or, possibly, there may be multiple zones. It was suggested that a ground check be done, but was never performed.
- 1950 Goldhar Resources drilled 7 short (100') winkle drill. Three holes were drilled on the southern zone while the other 4 locations are unknown.
- 1932 L.R. Kindle of the Ontario Department of Mines reported on the Hollard-Chelley occurrence south of Muriel Lake. It was reported on claim KK 1886 a channel sample across 4 feet of mineralized material contained 12% copper, 5.4 oz/ton silver and .05 oz/ton gold.
- 1929 Some prospecting and trenching were carried out by E.J. Holland and C. Chelley on this property located just south of Muriel Lake. J. Perry had claims adjoining the Holland-Chelley property, which had chalcopyrite and pyrrhotite occur in a lens of black schist.

## CLAIM DISPOSITION

The claim group consists of 2 separate blocks, a west block and an east block. Within these blocks the claims are contiguous unpatented mining claims recorded in good standing at the Mining Recorders Office in Thunder Bay on February 28, 1992. Claim map sheet Maun Lake G-319.

<u>West Block</u>	Claim	Units
	TB 1183794	12
	TB 1183795	16
	TB 1183796	12
	TB 1183797	15
	TB 1183798	12
Subtotal	5	67
<u>East Block</u>		
	TB 1183799	8
	TB 1183800	15
Subtotal	2	23
=====		
Total:	7 claims	90 units

## PROPERTY GEOLOGY AND MINERALIZATION

The Holland-Chellew Occurrence is located in the extreme northeastern end of the KowKash Greenstone Belt where the belt appears to pinch out to approximately 7 to 8km wide. The claim group lies within the southern part of the greenstone belt, which strikes east-west.

Muriel Lake itself seems to contain a felsic intrusive/extrusive body of limited extent, now highly elongated along the strike of the belt. This is underlain and overlain by mafic submarine volcanic rock. The southern cycle is quite thick and well pillowed but has very persistent sulphide horizons exposed locally. These appear to be interflow felsic tuffs and siliceous sediment units carrying disseminated to massive pyrrhotite and pyrite. A number of samples have contained anomalous zinc and copper concentrations.

Some old trenches reported by Kindle in 1931, yielded a 4 foot channel sample with 12% Cu, 5.4% Ag and .05 oz/ton Au. Another sample assayed 5.7% Zn and 45 oz/ton Ag. AMAX sampling in 1980 turned up several anomalous assays with copper values ranging from 1.0 to 1.2% Cu and Zn values in the 1% range. Ministry of Northern Development and Mines Geologist, M. Hine, visited this property in 1987 and took a grab sample which assayed 2.56% Cu and 0.16 oz/ton Au.

There appears to be no shortage of interesting values coming from this area with these sulphide zones occurring over a strike length of at least 6km with a positive magnetic anomaly extending for approximately 20km. This would indicate a large amount of sulphide minerals present.

Alteration in the form of garnetiferous schists have been observed in the area and are well worth investigating. The area is considered to be favourable for a Volcanogenic Massive Sulphide deposit and therefore desperately needs an aggressive exploration program.



## **SUMMER PROGRAM**

A total of 39 days were spent on the Muriel Lake property this past summer. One hundred and four (104) samples were taken, with 54 of these being analyzed for lithogeochemical results. The other 50 samples were analyzed for gold, copper and zinc.

The lithogeochemical samples were taken systematically on the west block on north-south lines spread approximately 400 metres apart. One line of litho sampling was done on the west boundary of the east block. These litho samples were labelled ML-L-1 to 54. The purpose of this sampling was to determine the extent of the base metal alteration in the area. Some rocks did return results consistent with base metal alteration.

The Au, Cu and Zn sampling was mostly done on the massive sulphide units found throughout the property. All these units returned anomalous copper and zinc.

In July a trenching program was implemented on the Perry showing and the Galena Vein showing. The better exposure helped us sample and to see more of the zones.

## RESULTS

The following assays are the significant results obtained from this OPAP program:

### West Block

(Grab Samples)

ML-1	5.8% Zn
ML-2	0.7% Zn
ML-3	0.2% Cu
ML-32	0.1% Zn
ML-33	0.1% Zn
ML-36	0.1% Cu
ML-37	0.4% Zn, 0.2% Cu
ML-38	0.2% Zn, 0.1% Cu
ML-43	0.2% Cu
222984	2.0% Zn
222985	1.3% Zn
222988	0.1% Zn, 3.9% Cu
222990	0.8% Cu

### East Block

(Grab Samples)

ML-26	0.4% Zn, 0.2% Cu
-------	------------------

Together with these significant assay results were a number of anomalous lithochemical results which showed base metal alteration in this area.

## RECOMMENDATIONS

The results of this summers OPAP program has proven the area is a viable host for a Volcanogenic Massive Sulphide deposit.

The massive sulphide/chert unit to the north (also referred to as the Holland-Chellew Area) returned consistently significant copper/zinc numbers. A trenching program with more sampling needs to be done in the future to fully explore the potential of this zone.

The airborne anomaly associated with this zone extends east and west of there. The eastern extension goes through the east block of the Muriel Lake claims. Similar mineralization was discovered here with significant results as well. A trenching/sampling program is also recommended for this zone.

The trenching that was done further exposed the Perry and the Galena Vein showings and returned high copper/zinc numbers. This area, although better exposed, will need further exposure through trenching in the future.

This year's OPAP program was taken up mostly by sampling and trenching. Next year's program should include more detail mapping of the whole property by pace and compass grid. Also it is recommended that more time be spent on the northern massive sulphide/chert horizon (Holland-Chellew Area).

This property has shown to be a favourable site for a base metal deposit and will need further exploration in the coming year. In the meantime, we will be presenting the results to major companies that are interested and will, hopefully, be able to option the ground to them. If we can not option this property, we will be proposing another exploration program for the summer of 1993 in order to obtain another OPAP grant.

## REFERENCES

- Watts, A., 1980, Report on An Aeromagnetic Survey, Muriel Lake Area, N-W Ontario;  
AMAX Minerals Exploration Limited
- Slankis, J.A., 1976, Texasgulf Inc., Report on Airborne Geophysical Survey in the  
Muriel Lake Area
- Waddington, D.H., 1982, Geology of the Muriel Group, Muriel Lake Project 1087-5,  
AMAX Minerals Exploration
- Kindle, L.F., 1932, Kowkash-Ogoki Gold Area, District of Thunder Bay, Ontario  
Department of Mines, Fortieth Annual Report, pp. 100-102

**APPENDIX C**  
**A S S A Y R E S U L T S**



# BARRINGER LABORATORIES

BARRINGER / ACCURASSAY LABORATORIES  
THUNDER BAY DIVISION

5735 McADAM ROAD  
MISSISSAUGA, ONTARIO  
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2-Jun-92

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Attn: Mr. J.G. Clark  
Project:

PO #:

Received: 25-May-92 12:27

Job: 924165T

Status: Final

## Rock Samples

	Cu	Zn	Ag	Pb	Au
	AA	AA	AA	AA	FA/AA3
Sample	ppm	ppm	ppm	ppm	ppb
W ML-1	76	>10000 (6.8%)	52.4	---	43
W ML-2	260	7100	10.4	2476	32
W ML-3	1676	138	2.8	---	151
W ML-4	80	76	1.2	---	48



# ACCURASSAY LABORATORIES

A DIVISION OF ASSAY LABORATORIES SERVICES LTD.

1070 LITHIUM DRIVE, UNIT 2  
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15-Jun-92

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Attn: Mr. J.G. Clark  
Project:

PO #:

Received: 8-Jun-92

Job: 9242191

Status: Final

## Rock Samples

	Au FA/AA3 ppb	Cu AA ppm	Zn AA ppm
<i>W</i> ML-5	26	80	77
<i>W</i> ML-6	53	491	144
<i>W</i> ML-7	29	24	16
S-1	109100	---	---







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17-JUL-92

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Page: 1  
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Attn: Garry Clark/ Aubrey Eveleigh  
Project: PO #:

Received: 13-Jul-92 12:28

Job: 9243471

Status: Final

## Rock Samples

	Au FA/AA3 ppb	Zn AA ppm	Cu AA ppm	
W	ML-16	<5	48	23
W	ML-17	<5	26	286
W	ML-18	<5	22	119
W	ML-19	10	98	194
W	ML-20	6	109	146
W	ML-21	<5	78	139
E	ML-22	<5	21	171
E	ML-23	15	39	165
E	ML-24	7	47	122
E	ML-25	7	77	288
E	ML-26	18	4416	1520
E	ML-27	6	110	286
E	ML-28	12	619	108
E	ML-29	6	84	31
E	ML-30	<5	24	34
E	ML-31	8	110	120



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8-Sep-92

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Attn: Mr. Gary Clark  
Project:

PO #:

Received: 1-Sep-92 09:58

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Status: Final

## Rock Samples

Sample	Au FA/AA3 ppb	Cu AA ppm	Zn AA ppm
W ML32	55	247	1160
W ML33	10	245	1088
W ML34	41	704	122
W ML35	9	300	78
W ML36	15	1104	326
W ML37	53	2176	3968
W ML38	21	1072	2368
W ML39	65	51	56
W ML40	24	164	25
W ML41	10	326	20
W ML42	15	828	44
W ML43	18	2208	30



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2-Oct-92

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Attn: Mr. Gary Clark  
Job: 924654T

Received: 23-Sep-92

Rock Samples

Sample	Au FA/AA3 ppb	Cu AA ppm	Zn AA ppm	Pb AA ppm
222984	47	162	>10000 2.0%	16
222985	24	199	>10000 1.3%	28
222986	16	71	324	36
222987	24	119	740	6
222988	306	>10000 3.9%	576	---
222989	<5	268	25	---
222990	258	7520	59	---

145.68

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Received: 1-Sep-92 09:52

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Status: Final

## Rock Samples

Sample	Mo ICAP ppm	Cu ICAP ppm	Pb ICAP ppm	Zn ICAP ppm	Ag ICAP ppm	Ni ICAP ppm
ML-L-1	3	134	8	88	0.3	61
ML-L-2	2	153	<2	114	0.1	103
ML-L-3	2	133	<2	140	<0.1	104
ML-L-4	4	140	3	164	0.5	61
ML-L-5	3	177	<2	92	0.1	214
ML-L-6	2	174	<2	114	<0.1	143
ML-L-7	2	195	2	151	0.1	163
ML-L-8	1	69	<2	90	0.3	121
ML-L-9	4	120	3	98	0.4	114
ML-L-10	4	75	9	94	0.3	72
ML-L-11	3	133	<2	87	<0.1	61
ML-L-12	1	132	<2	85	<0.1	136
ML-L-13	5	414	8	145	0.6	23
ML-L-14	1	155	<2	99	<0.1	132
ML-L-15	5	142	2	98	<0.1	120
ML-L-16	1	51	<2	96	<0.1	134
ML-L-17	3	52	8	131	<0.1	29
ML-L-18	2	114	9	94	<0.1	115
ML-L-19	3	129	<2	98	<0.1	120
ML-L-20	2	72	5	83	<0.1	87
ML-L-21	3	54	7	88	0.3	120
ML-L-22	3	135	<2	80	0.3	178
ML-L-23	2	101	10	73	0.2	162
ML-L-24	3	234	5	101	0.8	92
ML-L-25	2	51	5	77	0.2	84
ML-L-26	3	43	33	179	0.7	102
ML-L-27	3	64	<2	86	0.3	118
ML-L-28	4	173	15	154	0.8	61



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## Rock Samples

Sample	Mo ICAP ppm	Cu ICAP ppm	Pb ICAP ppm	Zn ICAP ppm	Ag ICAP ppm	Ni ICAP ppm
W ML-L-29	2	46	<2	96	0.4	111
W ML-L-30	3	128	<2	99	0.3	72
W ML-L-31	3	110	9	124	0.6	81
W ML-L-32	1	94	5	96	0.2	156
W ML-L-33	2	44	6	95	0.2	44
W ML-L-34	2	150	<2	108	0.2	86
W ML-L-35	1	59	20	88	0.8	95
W ML-L-36	3	227	10	87	0.6	126
W ML-L-37	1	72	6	89	0.1	136
W ML-L-38	2	42	9	96	<0.1	145
W ML-L-39	3	97	13	142	0.6	35
W ML-L-40	2	82	8	141	0.4	44
W ML-L-41	2	58	5	109	0.1	91
W ML-L-42	2	158	<2	98	0.1	134
W ML-L-43	3	62	26	90	0.3	89
W ML-L-44	3	193	8	156	0.8	218
W ML-L-45	2	65	<2	106	<0.1	165
W ML-L-46	2	74	2	118	0.1	101
W ML-L-47	2	120	<2	124	0.3	86
W ML-L-48	1	109	<2	90	<0.1	120
W ML-L-49	3	109	<2	89	<0.1	144
W ML-L-50	3	167	<2	82	<0.1	84
W ML-L-51	3	113	<2	111	<0.1	107
W ML-L-52	5	199	7	134	0.4	65
W ML-L-53	3	116	2	114	<0.1	155
W ML-L-54	1	177	<2	95	<0.1	113



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## Rock Samples

Sample	Co ICAP ppm	Mn ICAP ppm	Fe ICAP %	As ICAP ppm	Hg ICAP ppm	Sr ICAP ppm
ML-L-1	18	679	4.49	5	<3	72
ML-L-2	46	1630	9.98	<2	<3	95
ML-L-3	48	1763	11.15	<2	<3	95
ML-L-4	50	1771	12.29	<2	<3	86
ML-L-5	48	1345	8.25	<2	<3	123
ML-L-6	45	1589	8.54	3	<3	138
ML-L-7	50	1079	6.79	17	<3	110
ML-L-8	44	1286	8.62	7	<3	89
ML-L-9	41	1286	8.04	8	<3	104
ML-L-10	37	1393	7.49	18	<3	78
ML-L-11	34	1421	8.23	3	<3	109
ML-L-12	48	2019	7.55	<2	<3	114
ML-L-13	30	1335	10.16	11	<3	99
ML-L-14	38	1610	8.73	6	<3	85
ML-L-15	46	1572	8.25	15	<3	84
ML-L-16	40	1491	8.68	3	<3	78
ML-L-17	25	1482	10.90	<2	<3	147
ML-L-18	36	1338	7.56	11	<3	83
ML-L-19	37	1601	8.47	7	<3	75
ML-L-20	32	1244	8.55	13	<3	74
ML-L-21	40	1228	7.42	17	<3	134
ML-L-22	39	1434	7.26	<2	<3	136
ML-L-23	41	1238	7.00	17	<3	107
ML-L-24	42	1306	9.24	4	<3	94
ML-L-25	19	2903	8.51	<2	<3	69
ML-L-26	24	1409	7.51	3	<3	554
ML-L-27	40	1326	8.43	17	<3	176
ML-L-28	45	1745	12.24	3	<3	96



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Attn: Mr. Gary Clark  
Project:

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## Rock Samples

Sample	Co ICAP ppm	Mn ICAP ppm	Fe ICAP %	As ICAP ppm	Hg ICAP ppm	Sr ICAP ppm
ML-L-29	34	1301	8.62	5	<3	141
ML-L-30	39	1307	9.51	<2	<3	81
ML-L-31	44	1680	11.41	6	<3	91
ML-L-32	40	1446	8.92	4	<3	174
ML-L-33	6	848	5.04	5	<3	62
ML-L-34	30	1816	8.10	<2	<3	152
ML-L-35	11	1001	5.68	15	<3	1281
ML-L-36	34	1310	8.04	6	<3	146
ML-L-37	26	1524	8.50	8	<3	156
ML-L-38	28	1368	8.26	2	<3	81
ML-L-39	25	1674	11.52	11	<3	110
ML-L-40	27	1647	11.45	5	<3	116
ML-L-41	37	1702	8.85	6	<3	100
ML-L-42	46	1548	9.15	<2	<3	103
ML-L-43	42	1091	9.68	6	<3	112
ML-L-44	93	2743	13.00	11	<3	36
ML-L-45	48	1494	8.35	<2	<3	123
ML-L-46	45	1696	9.62	5	<3	155
ML-L-47	42	1625	8.87	<2	<3	141
ML-L-48	45	1451	8.36	<2	<3	130
ML-L-49	43	1389	8.49	2	<3	90
ML-L-50	39	1234	8.11	<2	<3	134
ML-L-51	45	1550	9.39	<2	<3	116
ML-L-52	58	1772	11.84	11	<3	105
ML-L-53	54	1311	9.11	2	<3	129
ML-L-54	43	1385	8.89	<2	<3	114



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Project:

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Received: 1-Sep-92 09:52

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Status: Final

## Rock Samples

Sample	Cd ICAP ppm	Sb ICAP ppm	Bi ICAP ppm	V ICAP ppm	Ca ICAP %	P ICAP %
ML-L-1	<1	10	<3	74	2.10	0.08
ML-L-2	1	<2	<3	318	7.89	0.07
ML-L-3	1	<2	<3	346	7.85	0.08
ML-L-4	2	<2	6	368	7.14	0.08
ML-L-5	<1	<2	<3	219	8.07	0.04
ML-L-6	<1	<2	<3	284	8.87	0.04
ML-L-7	<1	2	<3	305	6.94	0.05
ML-L-8	<1	6	<3	268	7.83	0.05
ML-L-9	<1	<2	<3	322	6.94	0.07
ML-L-10	<1	4	<3	293	5.94	0.05
ML-L-11	<1	<2	<3	260	6.72	0.05
ML-L-12	<1	<2	<3	271	9.48	0.04
ML-L-13	<1	8	<3	48	5.11	0.20
ML-L-14	1	<2	<3	237	7.36	0.05
ML-L-15	1	<2	<3	248	6.24	0.05
ML-L-16	<1	<2	<3	249	6.64	0.05
ML-L-17	1	<2	<3	157	7.55	0.14
ML-L-18	<1	5	<3	210	6.29	0.03
ML-L-19	<1	<2	<3	262	6.98	0.04
ML-L-20	<1	2	<3	259	5.96	0.05
ML-L-21	<1	2	<3	262	5.25	0.05
ML-L-22	<1	<2	<3	234	8.42	0.04
ML-L-23	<1	2	<3	253	5.91	0.04
ML-L-24	<1	3	<3	296	5.74	0.05
ML-L-25	<1	3	<3	235	6.68	0.05
ML-L-26	<1	<2	<3	189	8.55	0.24
ML-L-27	<1	<2	<3	259	7.60	0.05
ML-L-28	2	<2	4	334	7.36	0.07





# ACCURASSAY LABS

A DIVISION OF ASSAY LABORATORIES SERVICES INC.

1070 LITHIUM DRIVE, UNIT 2  
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18-Sep-92

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## Rock Samples

Sample	Cd ICAP ppm	Sb ICAP ppm	Bi ICAP ppm	V ICAP ppm	Ca ICAP %	P ICAP %
ML-L-29	<1	<2	<3	247	7.14	0.05
ML-L-30	1	<2	<3	310	7.93	0.07
ML-L-31	1	<2	7	368	6.49	0.08
ML-L-32	1	<2	<3	239	6.86	0.05
ML-L-33	<1	9	<3	76	1.94	0.07
ML-L-34	<1	<2	<3	293	8.18	0.05
ML-L-35	<1	4	<3	151	5.81	0.22
ML-L-36	<1	<2	<3	283	6.90	0.05
ML-L-37	<1	<2	<3	233	6.38	0.07
ML-L-38	<1	<2	<3	225	7.06	0.05
ML-L-39	<1	4	8	328	4.76	0.10
ML-L-40	<1	5	8	389	5.65	0.09
ML-L-41	1	<2	<3	284	7.03	0.07
ML-L-42	<1	<2	<3	259	8.69	0.03
ML-L-43	<1	13	7	211	3.22	0.13
ML-L-44	2	8	11	370	4.69	0.11
ML-L-45	<1	<2	<3	227	8.48	0.04
ML-L-46	<1	<2	<3	307	7.36	0.07
ML-L-47	<1	3	<3	290	7.64	0.09
ML-L-48	<1	<2	<3	261	7.99	0.05
ML-L-49	<1	<2	<3	265	7.65	0.04
ML-L-50	<1	<2	<3	265	8.14	0.04
ML-L-51	<1	<2	<3	298	7.14	0.07
ML-L-52	1	6	11	393	5.45	0.09
ML-L-53	<1	<2	<3	295	7.02	0.07
ML-L-54	<1	<2	<3	280	8.40	0.05



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## Rock Samples

Sample	La ICAP ppm	Cr ICAP ppm	Mg ICAP %	Ba ICAP ppm	Ti ICAP %	Al ICAP %
ML-L-1	26	93	0.80	317	0.26	7.24
ML-L-2	6	509	4.23	78	0.66	7.30
ML-L-3	7	213	4.14	76	0.79	7.35
ML-L-4	7	67	2.94	80	0.77	6.49
ML-L-5	5	332	5.22	97	0.40	8.51
ML-L-6	7	247	2.65	62	0.58	7.39
ML-L-7	6	389	2.92	102	0.58	8.42
ML-L-8	5	574	4.96	50	0.46	6.47
ML-L-9	7	337	4.15	93	0.68	7.44
ML-L-10	4	594	3.64	123	0.52	6.78
ML-L-11	4	93	3.87	92	0.43	6.47
ML-L-12	5	535	3.08	59	0.55	7.09
ML-L-13	18	554	1.39	299	0.66	5.83
ML-L-14	6	395	4.58	62	0.47	7.07
ML-L-15	4	309	3.59	79	0.49	6.99
ML-L-16	5	514	4.18	63	0.51	6.53
ML-L-17	13	54	1.36	107	0.87	5.80
ML-L-18	4	373	4.60	123	0.33	6.80
ML-L-19	4	471	3.86	88	0.45	6.79
ML-L-20	3	222	3.75	43	0.48	5.84
ML-L-21	3	309	3.09	89	0.53	5.32
ML-L-22	3	322	3.52	77	0.43	6.97
ML-L-23	4	739	2.45	97	0.45	5.75
ML-L-24	7	162	3.28	157	0.52	6.32
ML-L-25	7	577	3.45	192	0.43	7.00
ML-L-26	81	275	4.24	115	0.57	6.61
ML-L-27	6	492	4.09	85	0.50	6.63
ML-L-28	7	107	3.15	55	0.65	6.19



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## Rock Samples

Sample	La ICAP ppm	Cr ICAP ppm	Mg ICAP %	Ba ICAP ppm	Ti ICAP %	Al ICAP %
ML-L-29	5	343	4.36	93	0.46	7.02
ML-L-30	6	115	3.26	78	0.67	5.98
ML-L-31	7	590	3.21	85	0.79	6.08
ML-L-32	6	368	5.44	109	0.50	7.33
ML-L-33	11	63	1.44	412	0.28	7.23
ML-L-34	7	166	4.12	119	0.55	6.87
ML-L-35	45	373	3.41	849	0.46	7.28
ML-L-36	6	315	3.44	65	0.56	7.39
ML-L-37	12	373	4.83	59	0.46	6.56
ML-L-38	5	451	4.45	78	0.47	6.36
ML-L-39	10	56	2.06	285	0.89	5.87
ML-L-40	11	273	2.56	162	1.09	5.36
ML-L-41	6	313	4.39	59	0.56	6.70
ML-L-42	4	440	5.08	48	0.43	7.49
ML-L-43	15	56	1.35	193	0.55	8.55
ML-L-44	11	199	2.67	110	0.94	7.50
ML-L-45	4	504	5.00	85	0.38	7.68
ML-L-46	6	442	4.51	98	0.60	7.31
ML-L-47	7	305	4.90	76	0.62	6.74
ML-L-48	4	436	4.76	73	0.49	6.85
ML-L-49	3	355	4.49	99	0.49	6.86
ML-L-50	3	355	4.27	76	0.45	7.48
ML-L-51	6	268	4.28	74	0.67	6.88
ML-L-52	7	187	4.43	89	0.89	6.82
ML-L-53	6	447	4.56	133	0.58	8.05
ML-L-54	6	327	4.16	89	0.54	8.32



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## Rock Samples

Sample	Na ICAP %	Si ICAP %	W ICAP ppm	Be ICAP ppm	SiO2 ICAP %	Al2O3 ICAP %
ML-L-1	3.17	0.23	6	2	70.96	13.60
ML-L-2	1.96	0.40	<2	6	49.58	13.12
ML-L-3	1.78	0.41	4	7	49.16	12.99
ML-L-4	1.39	0.39	6	7	49.00	11.79
ML-L-5	1.65	0.54	5	5	46.24	15.88
ML-L-6	1.83	0.29	<2	6	51.19	13.58
ML-L-7	2.89	0.36	4	6	54.93	15.16
ML-L-8	1.31	0.44	4	6	49.63	12.72
ML-L-9	2.06	0.41	3	6	49.70	13.82
ML-L-10	2.46	0.40	5	6	49.73	13.74
ML-L-11	1.76	0.42	3	5	52.48	13.02
ML-L-12	1.76	0.37	<2	6	47.02	13.28
ML-L-13	1.48	0.22	3	2	60.87	10.24
ML-L-14	1.54	0.42	<2	5	48.14	13.66
ML-L-15	2.79	0.36	<2	5	49.42	14.01
ML-L-16	1.97	0.40	<2	5	48.80	13.62
ML-L-17	1.60	0.31	<2	4	51.70	10.81
ML-L-18	2.35	0.41	3	4	50.34	13.64
ML-L-19	2.02	0.43	<2	5	47.94	13.61
ML-L-20	1.68	0.38	4	5	48.87	12.76
ML-L-21	2.35	0.45	6	5	51.77	12.64
ML-L-22	1.83	0.46	<2	5	47.89	13.77
ML-L-23	2.14	0.38	4	5	52.14	13.71
ML-L-24	2.19	0.35	6	6	49.54	13.11
ML-L-25	0.48	0.36	3	5	52.50	12.88
ML-L-26	1.50	0.41	<2	5	51.53	11.93
ML-L-27	1.90	0.42	2	5	52.49	11.80
ML-L-28	0.94	0.28	3	7	50.95	11.08



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## Rock Samples

Sample	Na ICAP %	Si ICAP %	W ICAP ppm	Be ICAP ppm	SiO2 ICAP %	Al2O3 ICAP %
ML-L-29	2.24	0.39	<2	5	49.71	13.18
ML-L-30	0.98	0.36	3	6	50.28	11.56
ML-L-31	1.68	0.24	2	7	52.03	11.43
ML-L-32	2.30	0.32	2	5	48.60	12.81
ML-L-33	1.73	0.23	4	2	68.17	12.56
ML-L-34	1.69	0.34	3	6	49.88	12.26
ML-L-35	3.51	0.27	2	5	56.16	13.27
ML-L-36	2.62	0.27	4	5	53.04	13.22
ML-L-37	2.45	0.22	6	5	48.87	13.47
ML-L-38	1.52	0.28	2	5	47.76	13.31
ML-L-39	2.17	0.21	5	7	50.80	11.55
ML-L-40	1.33	0.20	3	8	49.61	12.10
ML-L-41	2.13	0.38	3	6	51.62	12.65
ML-L-42	1.35	0.45	<2	5	51.52	13.06
ML-L-43	1.79	0.28	7	4	(60.45)	15.17
ML-L-44	0.57	0.18	3	7	51.72	13.59
ML-L-45	1.76	0.45	<2	5	51.93	13.59
ML-L-46	2.53	0.36	3	6	50.79	13.25
ML-L-47	1.97	0.45	4	6	51.37	12.47
ML-L-48	1.71	0.40	2	5	51.66	13.37
ML-L-49	1.61	0.46	4	5	50.89	13.04
ML-L-50	2.00	0.42	4	5	51.97	13.58
ML-L-51	1.48	0.33	6	6	51.10	13.04
ML-L-52	2.99	0.40	10	8	52.00	12.02
ML-L-53	2.69	0.48	4	6	49.82	15.02
ML-L-54	1.84	0.41	2	6	49.62	15.27



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## Rock Samples

Sample	Fe2O3 ICAP %	MgO ICAP %	CaO ICAP %	Na2O ICAP %	K2O ICAP %	P2O5 ICAP %
ML-L-1	5.09	0.92	2.19	3.34	(1.65)	0.11
ML-L-2	14.30	6.41	11.50	1.90	0.24	0.14
ML-L-3	15.72	6.22	11.26	1.62	0.25	0.10
ML-L-4	18.99	4.51	10.90	1.09	0.25	0.16
ML-L-5	12.31	8.57	12.34	1.23	0.18	0.16
ML-L-6	12.74	3.77	13.52	1.77	0.17	0.14
ML-L-7	9.28	4.40	9.93	3.16	0.18	0.01
ML-L-8	13.24	8.46	12.54	1.14	0.13	0.06
ML-L-9	11.95	6.77	10.77	1.96	0.11	0.04
ML-L-10	12.25	6.66	10.20	2.88	0.19	0.04
ML-L-11	12.69	6.51	10.73	1.59	0.19	0.08
ML-L-12	11.05	4.87	14.67	1.83	0.09	0.10
ML-L-13	14.35	1.97	7.32	1.56	0.47	0.25
ML-L-14	13.21	7.90	11.79	1.60	0.22	0.10
ML-L-15	13.12	6.47	10.34	3.39	0.21	0.08
ML-L-16	13.57	7.84	11.25	2.16	0.22	0.20
ML-L-17	16.64	1.96	11.61	1.77	0.30	0.28
ML-L-18	11.48	8.06	10.10	2.67	0.42	0.09
ML-L-19	13.36	6.83	11.40	2.07	0.19	0.13
ML-L-20	14.35	7.07	10.33	1.96	0.22	0.10
ML-L-21	12.62	6.69	10.55	2.86	0.17	0.19
ML-L-22	11.23	6.36	13.55	1.71	0.08	0.14
ML-L-23	10.73	5.75	10.47	2.67	0.12	0.14
ML-L-24	14.10	6.16	9.15	2.63	0.40	0.16
ML-L-25	12.65	5.39	10.00	(0.01)	(1.48)	0.14 ←
ML-L-26	10.92	6.61	13.02	1.23	0.25	0.48
ML-L-27	11.85	6.43	11.26	1.86	0.19	0.17
ML-L-28	18.16	4.72	10.71	(0.69)	0.22	0.12



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## Rock Samples

Sample	Fe2O3 ICAP %	MgO ICAP %	CaO ICAP %	Na2O ICAP %	K2O ICAP %	P2O5 ICAP %
ML-L-29	12.83	7.08	10.89	2.44	0.27	0.09
ML-L-30	15.07	5.54	12.77	(0.73)	0.17	0.20
ML-L-31	16.80	4.84	10.16	1.83	0.32	0.17
ML-L-32	13.03	8.57	10.45	2.41	0.26	0.10
ML-L-33	6.50	2.11	2.27	1.80	(2.83)	0.09
ML-L-34	12.19	6.47	12.65	1.63	0.13	0.19
ML-L-35	7.73	5.36	8.56	4.23	(1.14)	0.42
ML-L-36	10.96	5.26	10.86	2.91	0.31	0.15
ML-L-37	13.24	8.45	10.55	3.25	0.15	0.24
ML-L-38	13.52	8.27	12.62	1.77	0.23	0.19
ML-L-39	17.56	4.00	8.44	3.16	(0.87)	0.25
ML-L-40	19.12	4.31	9.61	2.11	0.45	0.20
ML-L-41	12.51	6.29	10.47	2.32	0.18	0.14
ML-L-42	11.74	6.64	11.98	1.11	0.17	0.17
ML-L-43	12.45	1.74	4.16	1.80	(1.37)	0.14
ML-L-44	17.97	3.62	6.74	(0.28)	(1.01)	0.16
ML-L-45	10.83	7.03	12.59	1.72	0.15	0.18
ML-L-46	13.05	6.38	10.39	2.71	0.42	0.14
ML-L-47	12.15	7.00	11.37	1.99	0.18	0.17
ML-L-48	11.53	7.06	11.98	1.72	0.17	0.17
ML-L-49	12.18	6.69	11.72	1.36	0.26	0.13
ML-L-50	11.70	6.03	12.37	1.88	0.13	0.19
ML-L-51	13.40	6.21	10.85	1.54	0.06	0.19
ML-L-52	16.77	6.17	8.00	3.39	0.20	0.21
ML-L-53	12.80	6.56	10.86	2.95	0.56	0.23
ML-L-54	12.47	5.89	12.51	1.72	0.29	0.17



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## Rock Samples

Sample	TiO2 ICAP %	MnO ICAP %	BaO ICAP %	Cr2O3 ICAP %	SrO ICAP %	LOI Grav. %
ML-L-1	0.340	0.068	0.036	0.013	0.006	0.9
ML-L-2	1.068	0.204	0.009	0.082	0.008	0.8
ML-L-3	1.217	0.214	0.009	0.052	0.008	1.3
ML-L-4	1.363	0.233	0.009	0.039	0.007	0.6
ML-L-5	0.701	0.175	0.011	0.061	0.011	2.2
ML-L-6	0.902	0.192	0.008	0.045	0.013	1.6
ML-L-7	0.937	0.131	0.012	0.051	0.009	0.8
ML-L-8	0.802	0.174	0.006	0.091	0.008	1.2
ML-L-9	1.168	0.168	0.011	0.052	0.009	1.9
ML-L-10	0.979	0.202	0.015	0.088	0.008	0.9
ML-L-11	0.700	0.178	0.011	0.028	0.009	0.3
ML-L-12	0.931	0.269	0.007	0.077	0.011	3.9
ML-L-13	1.061	0.161	0.034	0.087	0.009	0.3
ML-L-14	0.803	0.221	0.008	0.065	0.008	1.0
ML-L-15	0.890	0.227	0.009	0.056	0.008	0.9
ML-L-16	0.827	0.198	0.008	0.073	0.008	1.5
ML-L-17	1.541	0.192	0.012	0.034	0.016	2.9
ML-L-18	0.551	0.180	0.015	0.056	0.009	1.2
ML-L-19	0.820	0.227	0.010	0.076	0.008	1.5
ML-L-20	0.906	0.186	0.006	0.049	0.008	1.0
ML-L-21	0.876	0.179	0.010	0.054	0.015	1.3
ML-L-22	0.769	0.202	0.009	0.049	0.014	2.5
ML-L-23	0.773	0.185	0.011	0.105	0.013	1.3
ML-L-24	0.872	0.170	0.018	0.037	0.011	1.8
ML-L-25	0.737	0.386	0.022	0.084	0.005	0.9
ML-L-26	0.901	0.182	0.013	0.042	0.054	1.2
ML-L-27	0.820	0.162	0.010	0.076	0.018	1.3
ML-L-28	1.063	0.216	0.007	0.035	0.008	0.2





# ACCURASSAY LABS

A DIVISION OF ASSAY LABORATORIES SERVICES INC.

1070 LITHIUM DRIVE, UNIT 2  
THUNDER BAY, ONTARIO P7B 6G3  
(807) 623-6448 FAX 623-6820

18-Sep-92

J. G. Clark  
618 North Vickers Street  
Thunder Bay, ON  
P7B 5B7

Page: 14  
Copy: 1 of 1  
Set: 1

Attn: Mr. Gary Clark  
Project:

PO #:

Received: 1-Sep-92 09:52

Job: 9245581

Status: Final

## Rock Samples

Sample	LiO2 ICAP %	MnO ICAP %	BaO ICAP %	Cr2O3 ICAP %	SrO ICAP %	LOI Grav. %
ML-L-29	0.782	0.166	0.011	0.056	0.014	0.7
ML-L-30	1.231	0.179	0.009	0.037	0.008	2.2
ML-L-31	1.208	0.203	0.010	0.090	0.009	0.8
ML-L-32	0.832	0.182	0.012	0.059	0.018	2.4
ML-L-33	0.406	0.103	0.047	0.018	0.006	2.6
ML-L-34	0.938	0.239	0.013	0.036	0.009	1.4
ML-L-35	0.733	0.124	0.095	0.053	0.132	0.7
ML-L-36	0.864	0.156	0.008	0.047	0.013	0.9
ML-L-37	0.822	0.215	0.007	0.059	0.018	0.9
ML-L-38	0.877	0.200	0.009	0.079	0.008	0.9
ML-L-39	1.660	0.254	0.032	0.035	0.013	1.6
ML-L-40	1.816	0.203	0.019	0.060	0.011	0.7
ML-L-41	0.884	0.200	0.007	0.050	0.009	0.6
ML-L-42	0.626	0.165	0.006	0.055	0.009	1.0
ML-L-43	0.783	0.132	0.022	0.024	0.010	0.6
ML-L-44	1.416	0.359	0.012	0.048	0.002	1.2
ML-L-45	0.493	0.210	0.010	0.060	0.011	0.6
ML-L-46	0.903	0.196	0.011	0.061	0.018	1.2
ML-L-47	0.944	0.194	0.009	0.050	0.013	0.9
ML-L-48	0.715	0.175	0.009	0.063	0.013	1.1
ML-L-49	0.788	0.170	0.011	0.053	0.008	0.8
ML-L-50	0.617	0.136	0.009	0.050	0.016	1.0
ML-L-51	1.061	0.187	0.009	0.048	0.010	0.8
ML-L-52	1.353	0.207	0.010	0.043	0.010	0.3
ML-L-53	0.871	0.158	0.016	0.063	0.013	0.4
ML-L-54	0.835	0.166	0.010	0.050	0.010	0.6



# ACCURASSAY LABS

A DIVISION OF ASSAY LABORATORIES SERVICES INC.

1070 LITHIUM DRIVE, UNIT 2  
THUNDER BAY, ONTARIO P7B 6G3  
(807) 623-6448 FAX 623-6820

18-Sep-92

J. G. Clark  
618 North Vickers Street  
Thunder Bay, ON  
P7B 5B7

Page: 15  
Copy: 1 of 1  
Set: 1

Attn: Mr. Gary Clark  
Project:

PO #:

Received: 1-Sep-92 09:52

Job: 9245581

Status: Final

## Rock Samples

Sample	TOTAL Calc. %	
ML-L-1	99.2	Felsic Tuff
ML-L-2	99.4	Coarse mafic flow
ML-L-3	100.1	" " " "
ML-L-4	98.9	Fine grained maf. flow
ML-L-5	100.1	Coarse mafic flow
ML-L-6	99.6	Fine grained maf. flow
ML-L-7	99.0	" " " "
ML-L-8	100.2	Coarse maf. flow
ML-L-9	98.4	" " " "
ML-L-10	97.9	" " " "
ML-L-11	98.5	" " " "
ML-L-12	98.1	" " " "
ML-L-13	98.7	" " " "
ML-L-14	98.7	Coarse maf. flow
ML-L-15	99.1	Fine grained maf. flow
ML-L-16	100.3	Coarse maf. flow
ML-L-17	99.8	" " " "
ML-L-18	98.8	" " " "
ML-L-19	98.2	Fine grained maf. flow
ML-L-20	97.8	" " " "
ML-L-21	99.9	" " " "
ML-L-22	98.3	" " " "
ML-L-23	98.1	" " " "
ML-L-24	98.2	" " " "
ML-L-25	97.2	Dark Anorth. gneiss
ML-L-26	98.4	Light gneiss
ML-L-27	98.4	" " " "
ML-L-28	98.2	Fine grained maf. flow (ultrabasic)



# ACCURASSAY LABS

A DIVISION OF ASSAY LABORATORIES SERVICES INC.

1070 LITHIUM DRIVE, UNIT 2  
THUNDER BAY, ONTARIO P7B 6G3  
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18-Sep-92

J. G. Clark  
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Thunder Bay, ON  
P7B 5B7

Page: 16  
Copy: 1 of 1  
Set: 1

Attn: Mr. Gary Clark  
Project:

PO #:

Received: 1-Sep-92 09:52

Job: 9245581

Status: Final

## Rock Samples

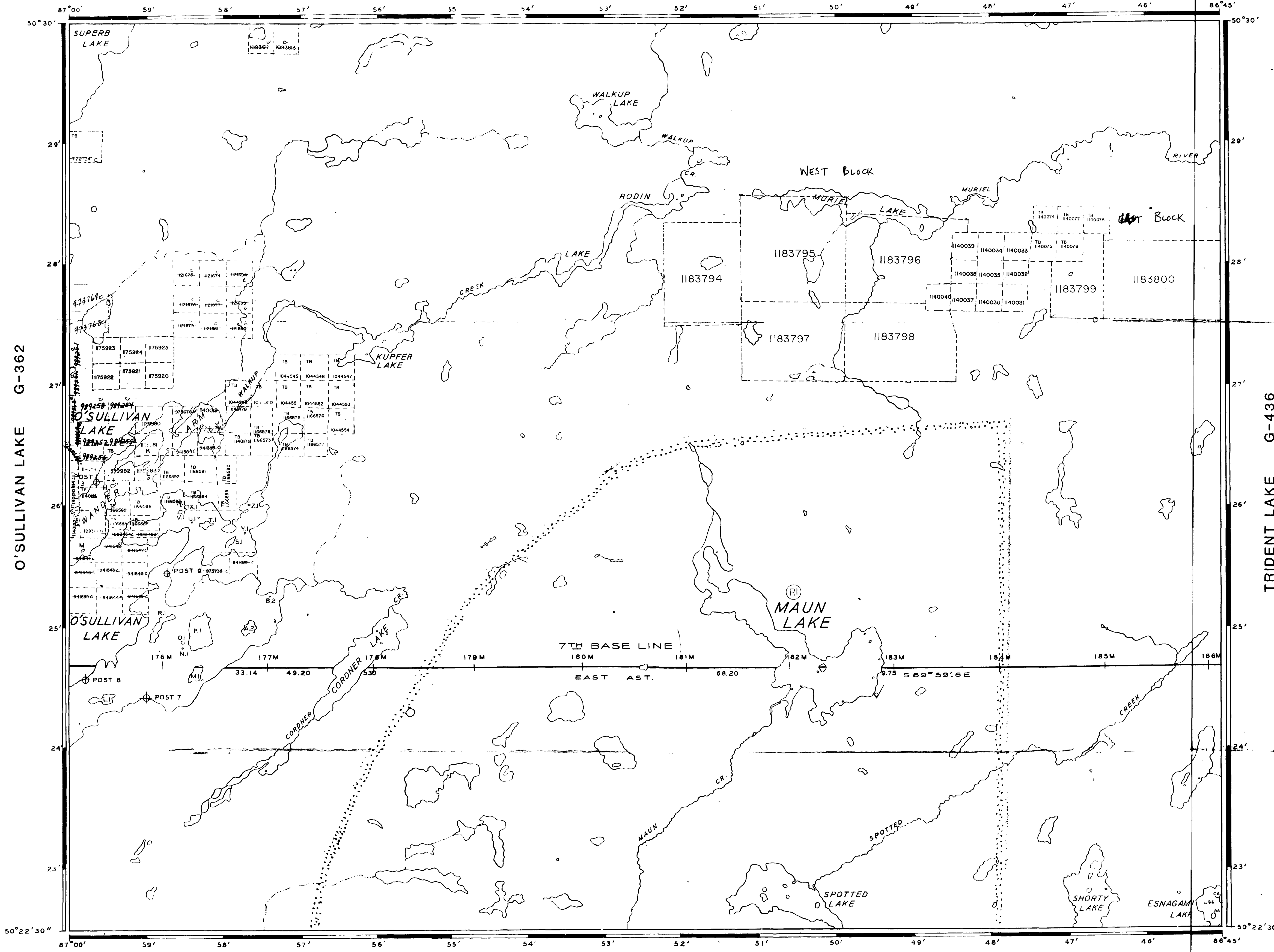
Sample	TOTAL Calc. %
ML-L-29	98.2
ML-L-30	100.0
ML-L-31	99.9
ML-L-32	99.7
ML-L-33	99.5
ML-L-34	98.0
ML-L-35	98.7
ML-L-36	98.7
ML-L-37	100.2
ML-L-38	99.7
ML-L-39	100.2
ML-L-40	100.3
ML-L-41	97.9
ML-L-42	98.2
ML-L-43	98.8
ML-L-44	98.1
ML-L-45	99.4
ML-L-46	99.5
ML-L-47	98.8
ML-L-48	99.7
ML-L-49	98.1
ML-L-50	99.7
ML-L-51	98.5
ML-L-52	100.7
ML-L-53	100.3
ML-L-54	99.6

2000-09-18  
ML-L-29  
ML-L-30  
ML-L-31  
ML-L-32  
ML-L-33  
ML-L-34  
ML-L-35  
ML-L-36  
ML-L-37  
ML-L-38  
ML-L-39  
ML-L-40  
ML-L-41  
ML-L-42  
ML-L-43  
ML-L-44  
ML-L-45  
ML-L-46  
ML-L-47  
ML-L-48  
ML-L-49  
ML-L-50  
ML-L-51  
ML-L-52  
ML-L-53  
ML-L-54

**APPENDIX D**

**M A P S**

TERRIER LAKE G-429



**REFERENCES**

AREAS WITHDRAWN - FROM DISPOSITION:  
S.R. SURFACE RIGHTS M.R. MINING RIGHTS

DESCRIPTION	ORDER NO.	DATE	DISP. BY	FILE
(1) PROPOSED NATIVE RESERVE	W-78-14/91	JULY 8/91	SBM	

OP92-491

THUNDER BAY MINING DIVISION  
29 APR 4 PM 2 49

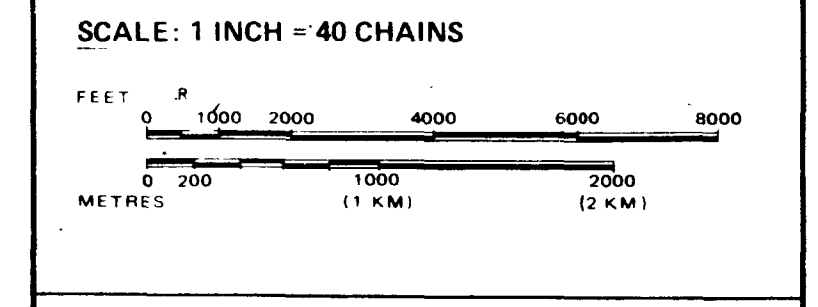
**LEGEND**

HIGHWAY AND ROUTE No	
OTHER ROADS	
TRAILS	
SURVEYED LINES	
TOWNSHIPS, BASE LINES, ETC	
LOTS, MINING CLAIMS, PARCELS, ETC	
UNSURVEYED LINES	
LOT LINES	
PARCEL BOUNDARY	
MINING CLAIMS ETC	
RAILWAY AND RIGHT OF WAY	
UTILITY LINES	
NON PERENNIAL STREAM	
FLOODING OR FLOODING RIGHTS	
SUBDIVISION OR COMPOSITE PLAN	
RESERVATIONS	
ORIGINAL SHORELINE	
MARSH OR MUSKEG	
MINES	
TRAVERSE MONUMENT	

**DISPOSITION OF CROWN LANDS**

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	
" SURFACE RIGHTS ONLY	
" MINING RIGHTS ONLY	
LEASE, SURFACE & MINING RIGHTS	
" SURFACE RIGHTS ONLY	
" MINING RIGHTS ONLY	
LICENCE OF OCCUPATION	
ORDER-IN-COUNCIL	OC
RESERVATION	
CANCELLED	
SAND & GRAVEL	
LAND USE PERMITS FOR COMMERCIAL TOURISM OUTPOST CAMPS	

NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 6, 1913, VESTED IN ORIGINAL PATENTEE BY THE PUBLIC LANDS ACT, R.S.O. 1910, CHAP 380, SEC 63, SUBSEC 1



**MAUN LAKE**

M.N.R. ADMINISTRATIVE DISTRICT  
**GERALDTON**

MINING DIVISION  
**THUNDER BAY**

LAND TITLES / REGISTRY DIVISION  
**THUNDER BAY**

Ministry of Natural Resources Ontario	Land Management Branch
Date: JULY, 1981	Number: <b>G-319</b>

THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES, AND ACCURACY IS NOT GUARANTEED. THOSE WISHING TO STATE MINING CLAIMS SHOULD CONSULT WITH THE MINING RECORDER, MINISTRY OF NORTHERN DEVELOPMENT AND MINES FOR ADDITIONAL INFORMATION ON THE STATUS OF THE LANDS SHOWN HEREON



REFERENCES

REFERENCES

AREAS WITHDRAWN FROM DISPOSITION:  
S.R. SURFACE RIGHTS M.R. MINING RIGHTS

DESCRIPTION	ORDER NO.	DATE	DISPOSITION	FR.
PROPOSED NATIVE RESERVE	W-78-14/91	JULY 8/91	SBM	

LEGEND

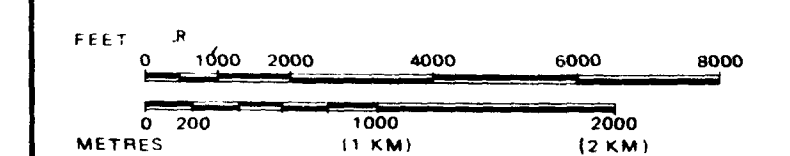
HIGHWAY AND ROUTE No.	
OTHER ROADS	
TRAILS	
SURVEYED LINES	
TOWNSHIPS, BASE LINES, ETC.	
LOTS, MINING CLAIMS, PARCELS, ETC.	
UNSURVEYED LINES	
LOT LINES	
PARCEL BOUNDARY	
MINING CLAIMS ETC.	
RAILWAY AND RIGHT OF WAY	
UTILITY LINES	
NON-PERENNIAL STREAM	
FLOODING OR FLOODING RIGHTS	
SUBDIVISION OR COMPOSITE PLAN	
RESERVATIONS	
ORIGINAL SHORELINE	
MARSH OR MUSKEG	
MINES	
TRAVERSE MONUMENT	

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	
" SURFACE RIGHTS ONLY	
" MINING RIGHTS ONLY	
LEASE, SURFACE & MINING RIGHTS	
" SURFACE RIGHTS ONLY	
" MINING RIGHTS ONLY	
LICENCE OF OCCUPATION	
ORDER-IN-COUNCIL	
RESERVATION	
CANCELLED	
SAND & GRAVEL	
LAND USE PERMITS FOR COMMERCIAL TOURISM/OUTPOST CAMPS	

NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 6, 1913, VESTED IN ORIGINAL PATENTEES BY THE PUBLIC LANDS ACT, R.S.O. 1970, CHAP. 360, SEC. 63, SUBSEC. 1

SCALE: 1 INCH = 40 CHAINS

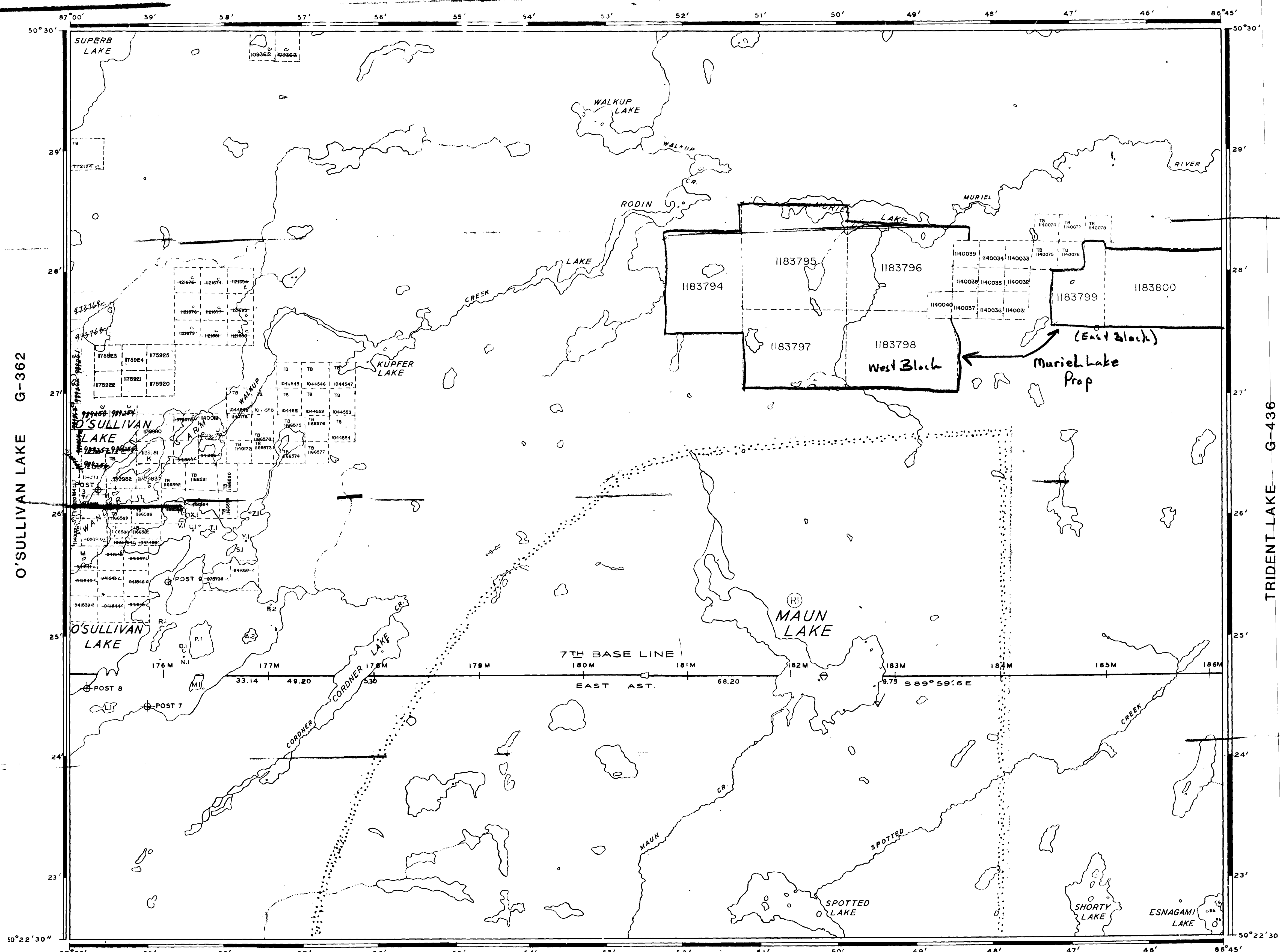


AREA  
0P92-745  
**MAUN LAKE**  
M.N.R. ADMINISTRATIVE DISTRICT  
**GERALDTON**  
MINING DIVISION  
**THUNDER BAY**  
LAND TITLES / REGISTRY DIVISION  
**THUNDER BAY**

Ministry of Natural Resources  
Land Management Branch

Ontario  
February 10, 1987  
Date JULY, 1981  
Number  
**G-319**

RECEIVED  
THUNDER BAY  
MINING DIVISION  
92 APR 26 AM 6 58

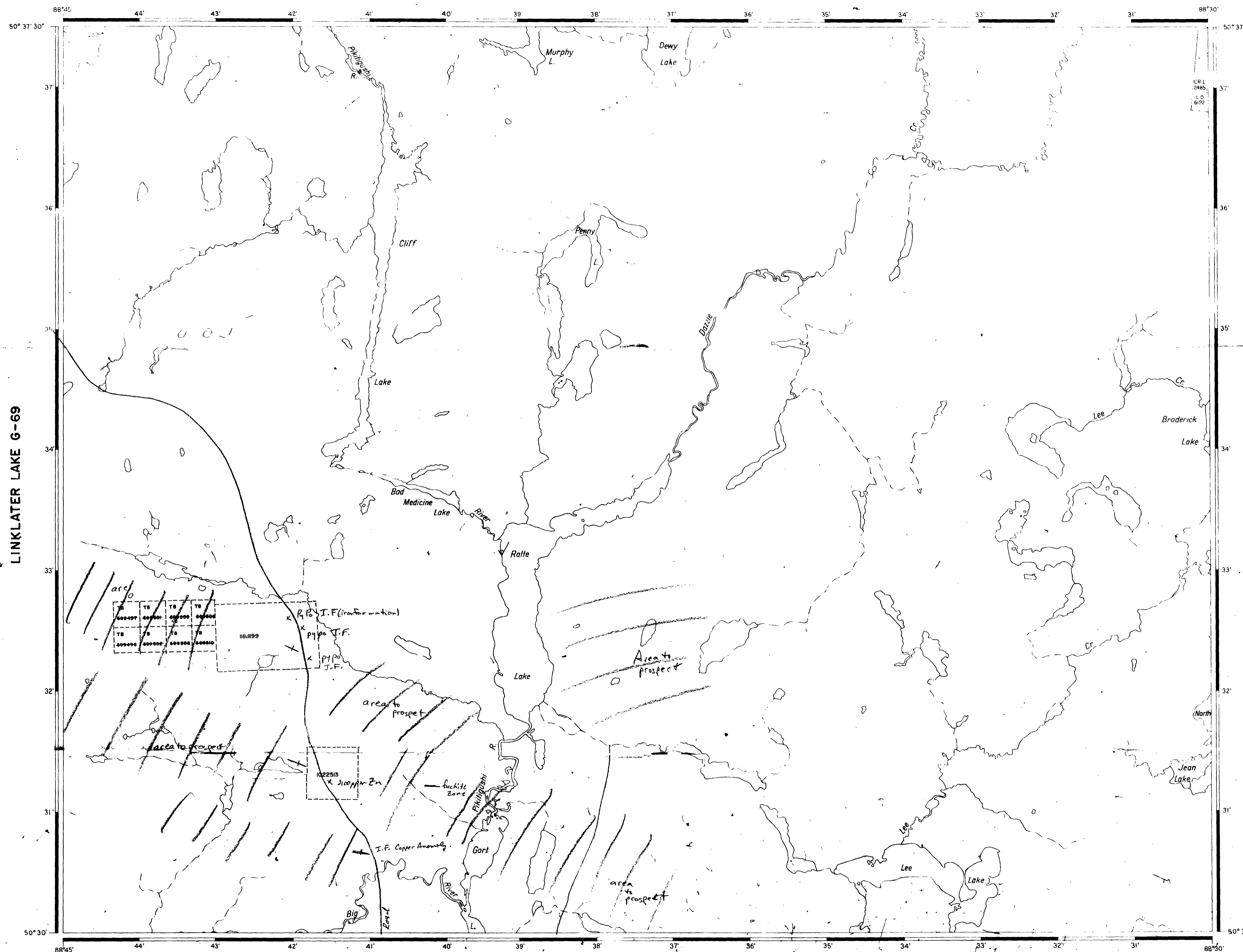


THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES, AND ACCURACY IS NOT GUARANTEED. THOSE WISHING TO STAKE MINING CLAIMS SHOULD CONSULT WITH THE MINING RECORDER, MINISTRY OF NORTHERN DEVELOPMENT AND MINES, FOR ADDITIONAL INFORMATION ON THE STATUS OF THE LANDS SHOWN HEREON.

ESNAGAMI LAKE G-244

504864

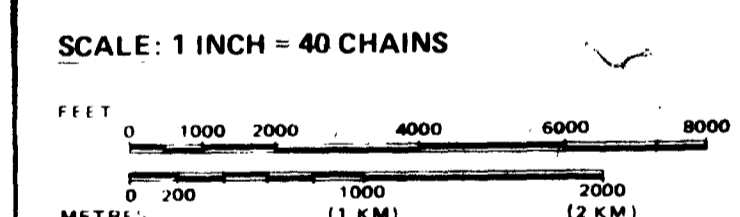
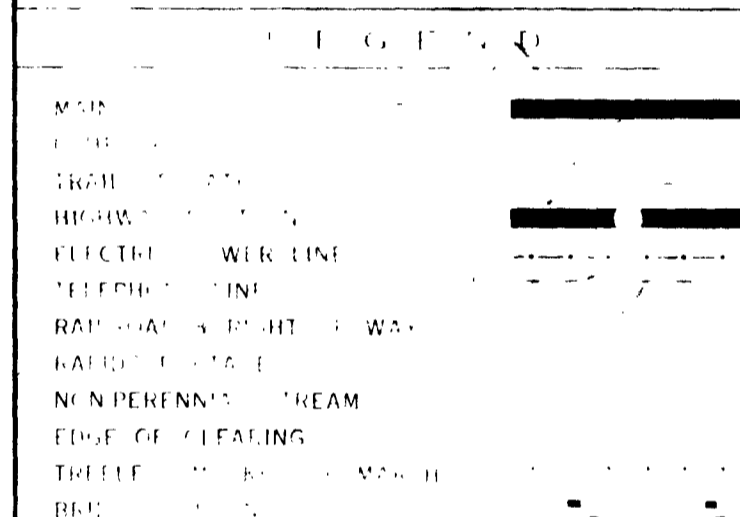




DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	●
SURFACE RIGHTS ONLY	○
MINING RIGHTS ONLY	◐
LEASE SURFACE & MINING RIGHTS	◑
SURFACE RIGHTS ONLY	◒
MINING RIGHTS ONLY	◓
LICENCE OF OCCUPATION	▼
ORDER IN COUNCIL	OC
RESERVATION	⊙
CANCELLED	⊖
SAND & GRAVEL	⊕
LAND USE PERMITS FOR COMMERCIAL TOURISM/OUTPOST CAMPS	⊗

NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 6 1912, VESTED IN ORIGINAL PATENTEE BY THE PUBLIC LANDS ACT, R.S.O. 1970, CHAP. 380, SEC. 83, SUBSEC. 1



AREA  
**RATTE LAKE**  
 M.N.R. ADMINISTRATIVE DISTRICT  
**NIPIGON**  
 MINING DIVISION  
**THUNDER BAY**  
 LAND TITLES / REGISTRY DIVISION  
**THUNDER BAY**

Ministry of Natural Resources  
 Land Management Branch  
 Ontario  
 AUGUST 20, 1984

Date: APRIL 1981  
 Number: **G-119**

RECEIVED  
 THUNDER BAY  
 MINING DIVISION  
 '92 MAR 25 PM 12 37

THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES, AND ACCURACY IS NOT GUARANTEED. THOSE WISHING TO STAKE MINING CLAIMS SHOULD CONSULT WITH THE MINING RECORDER, MINISTRY OF NORTHERN DEVELOPMENT AND MINES, FOR ADDITIONAL INFORMATION ON THE STATUS OF THE LANDS SHOWN HEREON.



42107NE0005 CP92-481 TRIDENT LAKE

OP92-746



THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES, AND ACCURACY IS NOT GUARANTEED. THOSE WISHING TO STAKE MINING CLAIMS SHOULD CONSULT WITH THE MINING RECORDER, MINISTRY OF NORTHERN DEVELOPMENT AND MINES, FOR ADDITIONAL INFORMATION ON THE STATUS OF THE LANDS SHOWN HEREON.

RECEIVED  
THUNDER BAY  
MINING DIVISION  
92 APR 25 PM 12 37

LEGEND

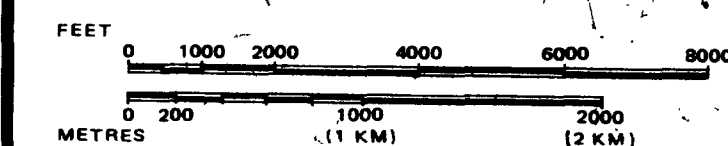
PATENTED LAND	⊙
CROWN LAND SALE	C.S.
LEASES	⊖
LOCATED LAND	Loc.
LICENSE OF OCCUPATION	L.O.
MINING RIGHTS ONLY	M.R.O.
SURFACE RIGHTS ONLY	S.R.O.
ROADS	—
IMPROVED ROADS	—
KING'S HIGHWAYS	—
RAILWAYS	—
POWER LINES	—
MARSH OR MUSKEG	—
MINES	✕
CANCELLED	C.

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	⊙
" SURFACE RIGHTS ONLY	⊖
" MINING RIGHTS ONLY	⊙
LEASE, SURFACE & MINING RIGHTS	⊖
" SURFACE RIGHTS ONLY	⊙
" MINING RIGHTS ONLY	⊙
LICENSE OF OCCUPATION	⊙
ORDER-IN-COUNCIL	⊙
RESERVATION	⊙
CANCELLED	C.
SAND & GRAVEL	⊙
LAND USE PERMITS FOR COMMERCIAL, TOURISM, OUTPOST CAMPS	⊙

NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 6, 1913, VESTED IN ORIGINAL PATENTEE BY THE PUBLIC LANDS ACT, R.S.O. 1970, CHAP. 380, SEC. 63, SUBSEC. 1.

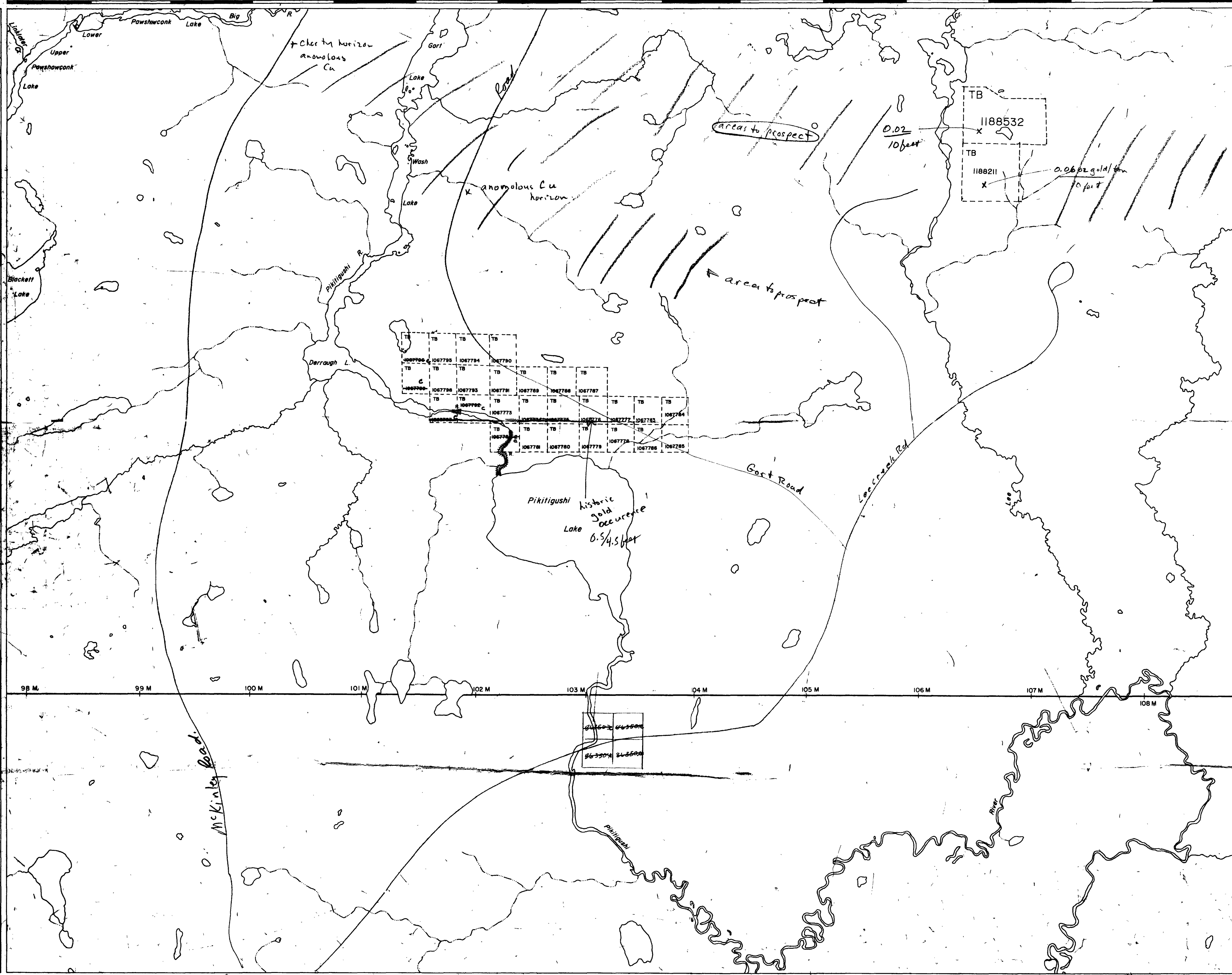
SCALE: 1 INCH = 40 CHAINS



AREA  
**PIKITIGUSHI LAKE**  
M.N.R. ADMINISTRATIVE DISTRICT  
**NIPIGON**  
MINING DIVISION  
**THUNDER BAY**  
LAND TITLES / REGISTRY DIVISION  
**THUNDER BAY**

Ministry of Natural Resources  
Land Management Branch

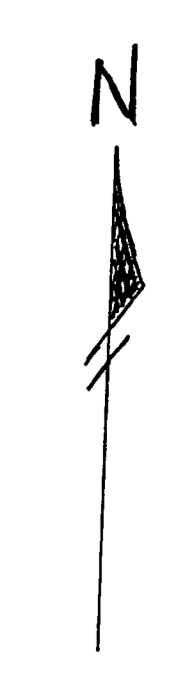
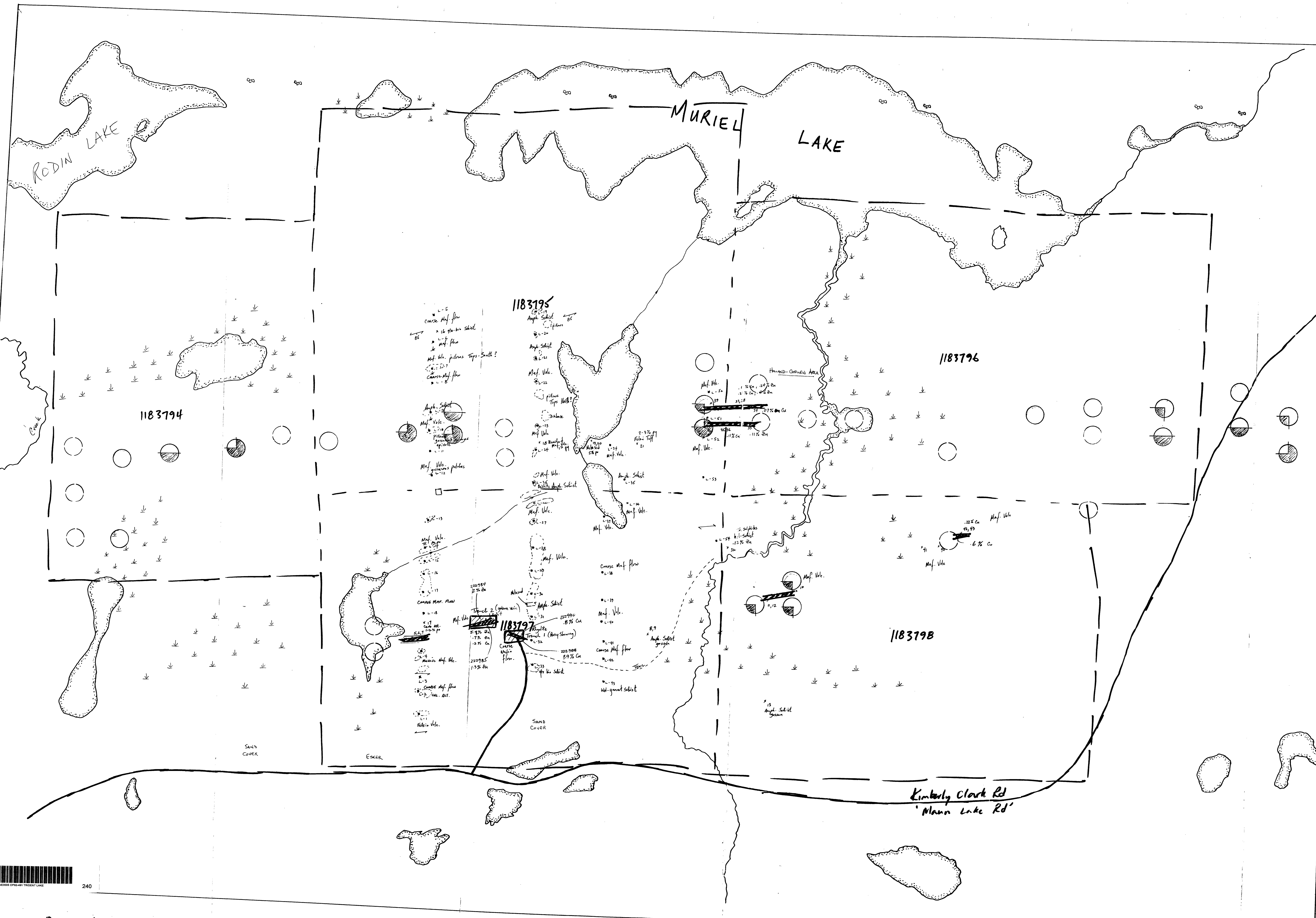
Date: MARCH, 1981  
August 15, 1985  
Number: **G-112**


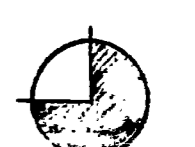


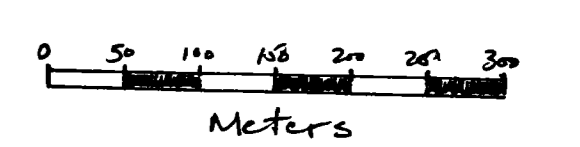
CRESCENT LAKE G-27







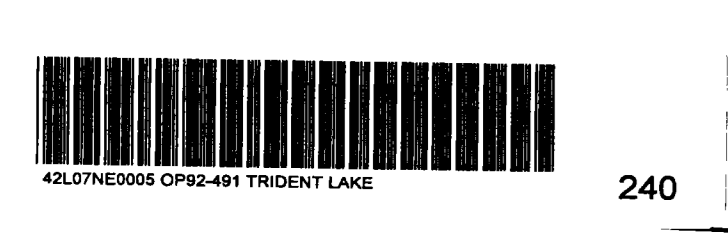
-  Mafic Sillite  $4000 \pm 1000$  70-80% banded 100 ft
- $\times 20$  GIVE SAMPLE (ANALYZED FOR Fe, Cu, Zn)
- $\bullet$  GIVE SAMPLE (LITHOLOGICAL)
-  Anomalous EM resistances



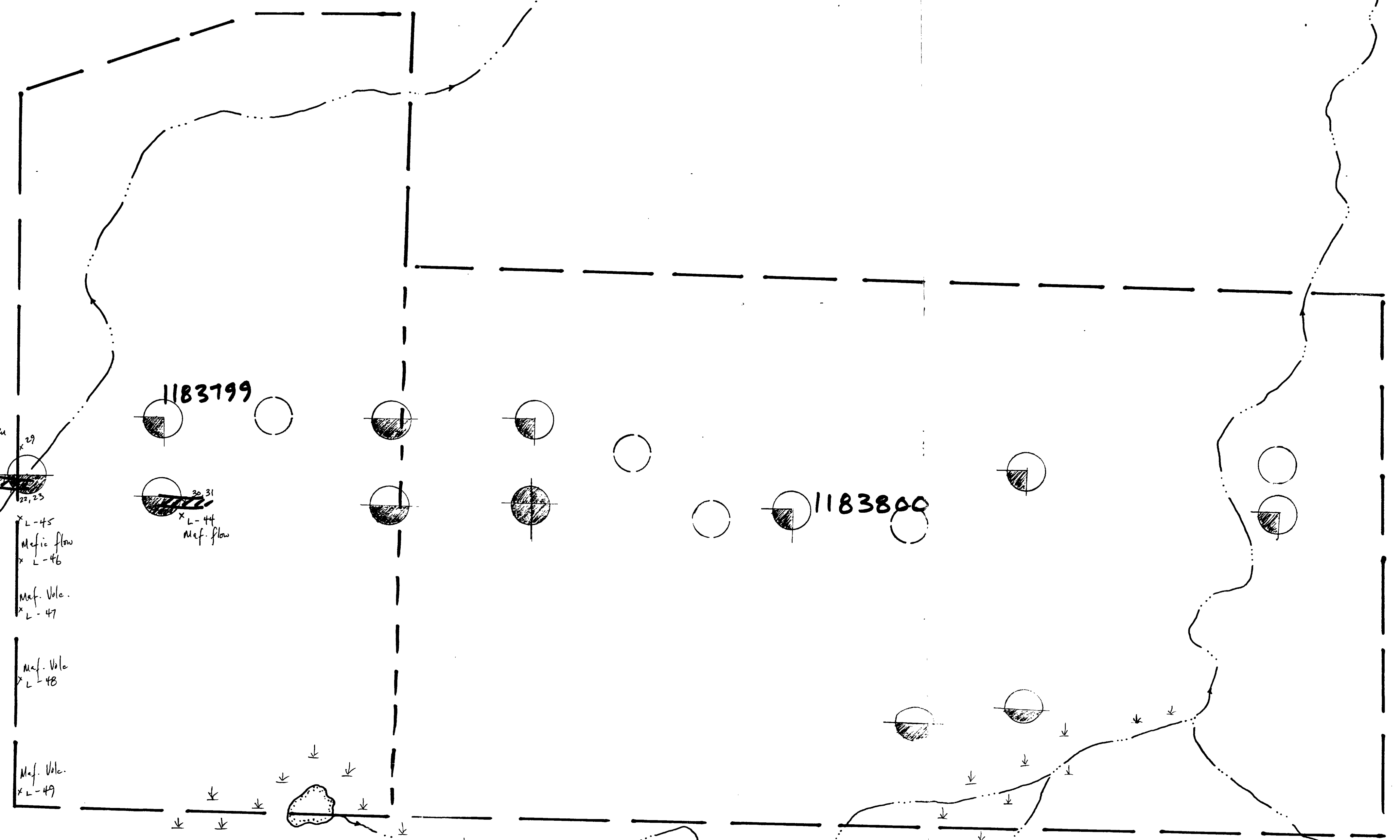
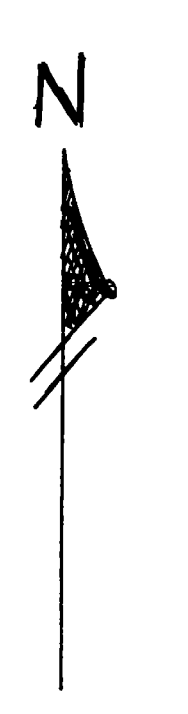
MURIEL LAKE  
(WEST BLOCK)

COMPILATION

Scale: 1:5000  
Date: Oct. 92  
Drawn by: AC



QUEENSTON LAKE



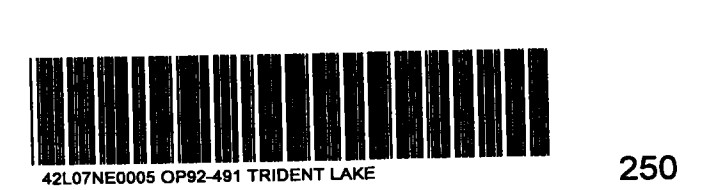
- x L-47 Ultra Sample Location
  - x Sample Location
  - Magnetic Sounding (East Block 70-075 located 1997)
  - Area of Contamination
- 0 10 20 30 40 50  
Meters

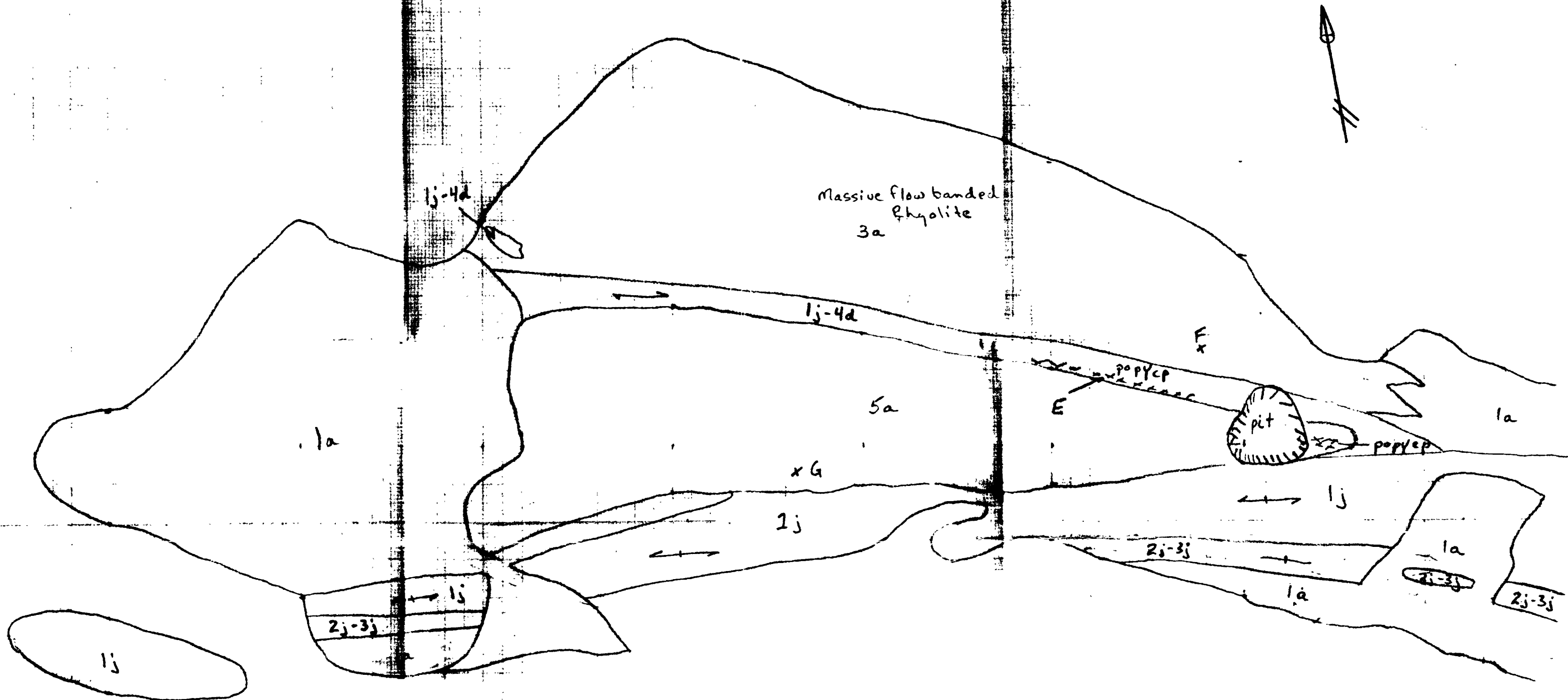
MURIEL LAKE (EAST BLOCK)

COMPILATION

Scale: 1 : 5000

Date: Oct 92      Drawn by: AE





Sample No.	Sampling		
	Au ppb	Cu ppb	Zn ppb
E-222988	306	>10,000 (3.9%)	576
F-222989	<5	268	25
G-222990	258	7520	59

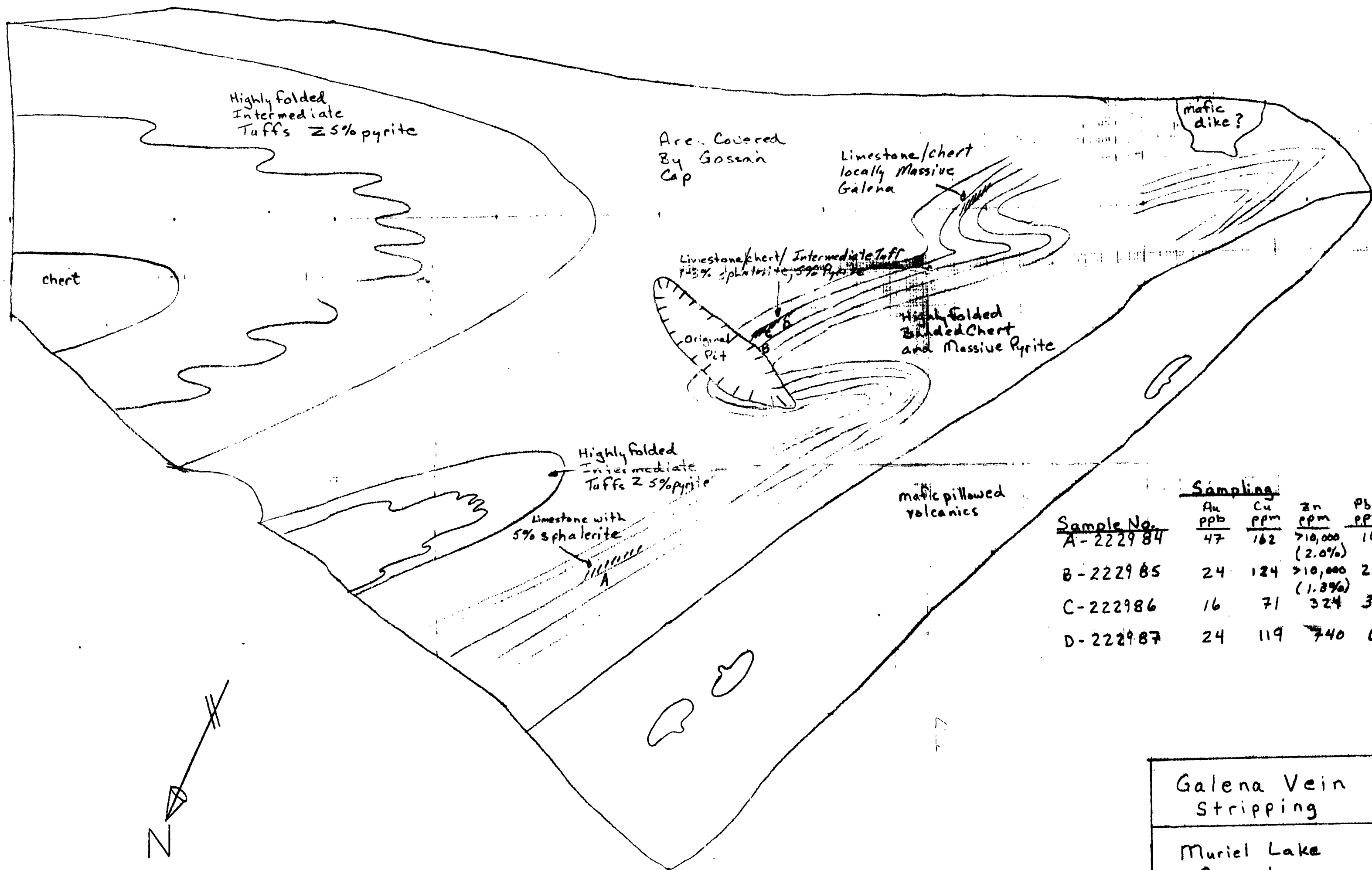
po pyrite  
 pv pyrite  
 cp chalcopyrite  
 ⇄ schistosity  
 xxxx sulfides <5%

- 1a Mafic Flow/Dike
- j Mafic Tuff
- 2j Intermediate Tuff
- 3a Rhyolite
- j felsic Tuff
- 4d argillite
- 5a limestone/medium grained calcite crystals

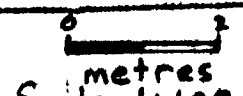
J. J. Perry Stripping	
Muriel Lake Property	
 Scale 1:100	



42L07NE0005 OP92-491 TRIDENT LAKE



Sample No.	Sampling			
	Au ppb	Cu ppm	Zn ppm	Pb ppm
A-222984	47	162	>10,000 (2.0%)	16
B-222985	24	124	>10,000 (1.3%)	28
C-222986	16	71	324	36
D-222987	24	119	740	6

Galena Vein Stripping
Muriel Lake Property
 Scale 1:100

