

42L07NW0018 2.15380 MAUN LAKE

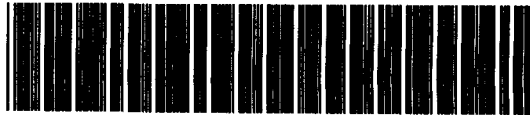
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MURIEL LAKE PROPERTY

2.15380

February 25, 1994
Thunder Bay, Ontario

Aubrey J. Eveleigh ✓
Geologist, B.Sc.



42L07NW0018 2.15380 MAUN LAKE

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INTRODUCTION

The Muriel Lake area was identified as having potential to host a base metal deposit after research by Aubrey Eveleigh and Garry Clark turned up significant data in the assessment files at the Ministry of Northern Development and Mines in 1992. The Muriel Lake property was subsequently staked in February of 1992 to cover the historical showings and the airborne anomalies associated with them.

The property is located approximately 300km northeast of Thunder Bay, Ontario in the Beardmore-Geraldton Area. There are two separate claim blocks with a total of 96 claim units.

There are three separate zones of interest: North Zone (Holland-Chellew Occurrence), Galena Vein Zone and the J.J. Perry Zone. All three display significant base metal type mineralization.

Until recently access to this area was very difficult with a fixed wing aircraft having to be used in most cases. In 1989 Kimberly-Clark constructed a forest access road which runs along the south boundary of the property. This made exploration in the area more feasible.

The property was first explored in 1929 but has not received a serious exploration program since. The Muriel Lake property, considered to be a favourable site for a Volcanogenic Massive Sulphide deposit, needs an aggressive exploration program to determine the extent of the base metal mineralization.

LOCATION AND ACCESS

The property lies approximately 300km northeast of Thunder Bay, Ontario 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 block 42 L 7/ NE.

The Muriel Lake property can be accessed via the Anaconda Road (road 643) from Highway 584, which leads to Nakina. At a distance of 30.7km, the Maun Lake Road, a Kimberly-Clark forest road, heads northeast to the property. At kilometre 24, the road runs along the south boundary of the property with a spur road that heads north to access the mineralized zones, a distance of 0.5km. See figure 1 for general location.

GENERAL LOCATION MAP

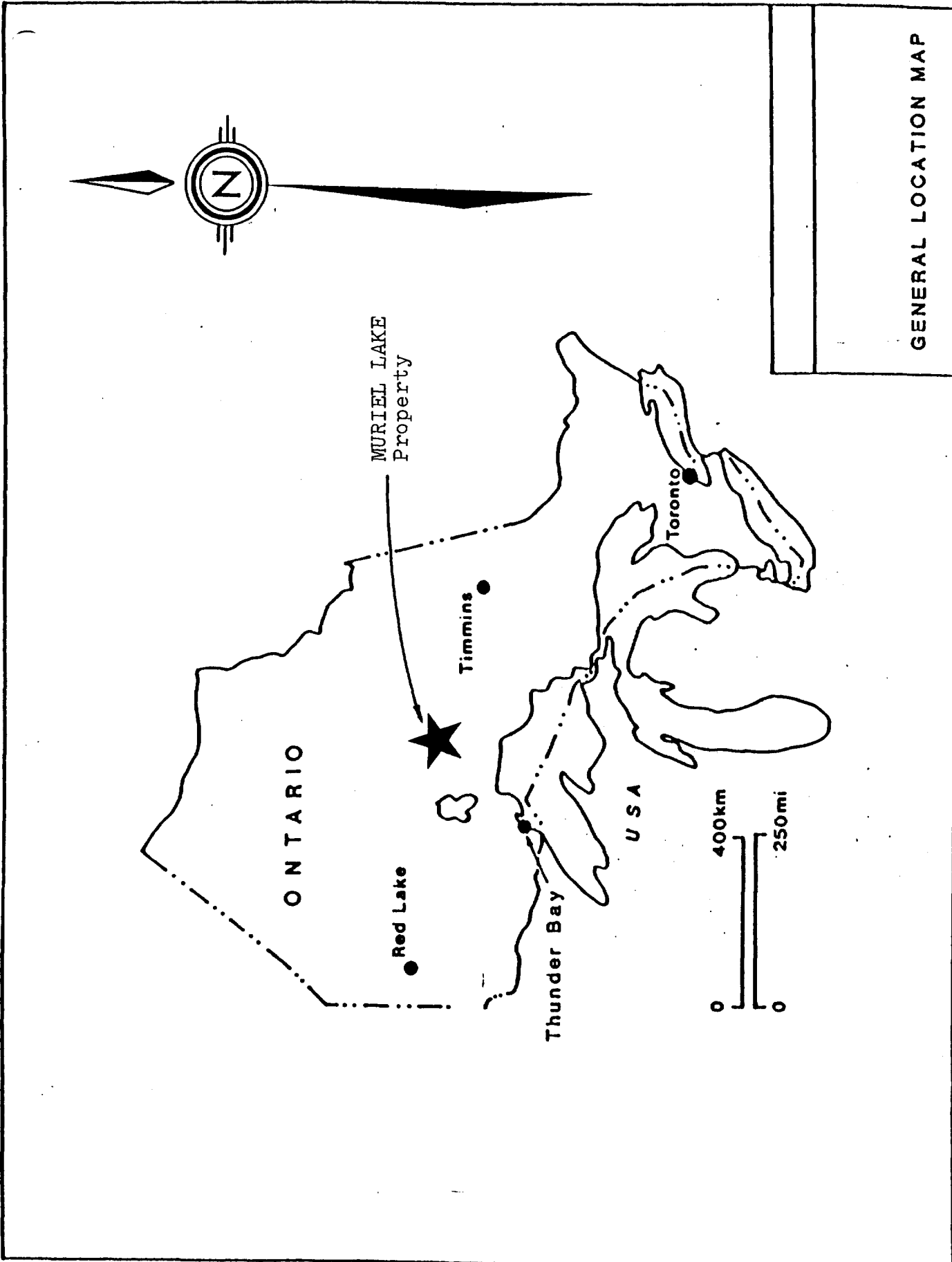
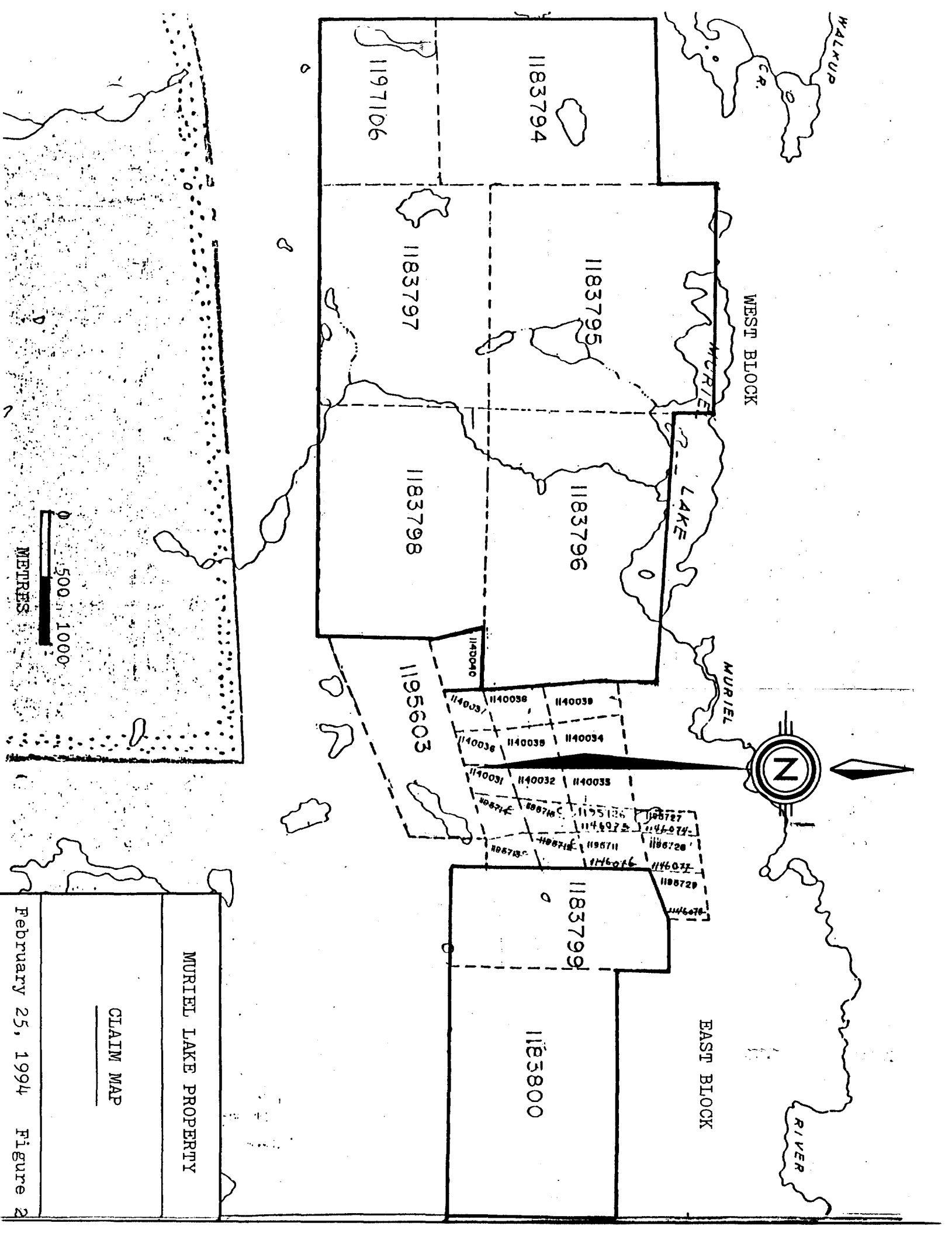


Figure 1

CLAIM STATUS

The Muriel Lake claim group consists of two separate blocks, a west block and an east block, with a total of 96 units. This represents a total area of 1536 hectares or 3840 acres. Ninety of the units were recorded on February 28, 1992 with the other six units (TB 1197106) being recorded on September 27, 1993 at the Mining Recorders Office in Thunder Bay. All claims are located on the claim map sheet Maun Lake (G-319). The property is owned 33.34% Garry Clark, 33.33% Aubrey Eveleigh and 33.33% Pierre Gagne. The following are the claim numbers for the Muriel Lake property (see figure 2 for claim sketch):

	Claim	Units
<u>West Block</u>	TB 1183794	12
	TB 1183795	16
	TB 1183796	12
	TB 1183797	15
	TB 1183798	12
	TB 1197106	6
<u>East Block</u>	TB 1183799	8
	TB 1183800	15
<hr/>		
Total:	8 claims	96 units



MURIEL LAKE PROPERTY

CLAIM MAP

February 25, 1994 Figure 2

PREVIOUS EXPLORATION

- 1993 During the summer of 1993, with the financial aid of an OPAP grant, Garry Clark and Aubrey Eveleigh carried out a prospecting and sampling program. New showings were found as well as existing showings extended. (See Appendix A for assay and whole rock results.)
- 1992 With the financial aid of two OPAP grants, Aubrey Eveleigh and Garry Clark carried out prospecting, trenching and sampling on the Muriel Lake property. The trenching and sampling revealed a more significant showing than was first thought to be on the property. (See Appendix A for assay and whole rock results.)
- 1980 Between July 5 and August 18, AMAX Minerals Exploration Limited performed pace and compass geological mapping on their 54 claim Muriel group. It was concluded that the property contains a dominantly mafic, submarine volcanic pile with several sulphide rich horizons associated with interflow tuffs and sediments.
- 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. This airborne survey led to the staking of the Muriel group of claims.
- 1976 Texasgulf Inc. flew an airborne geophysical survey (AMAG/AEM) over 8 contiguous claims (TB 405081-84, TB 4050087-90) located south of Muriel Lake. This property would have covered the present day North Zone (Holland-Chellew Showing). A single conductive zone was detected with a near surface expression and a fairly strong response. It was suggested that a ground check be done, but was never performed.
- 1955 Quebec Chibougamau Gold Fields drilled 12 holes, of which 9 were targeted on the J.J. Perry or Galena Vein Horizons. The other 3 locations are unknown. Hole #1 contained 2 feet of sphalerite while several of the other holes contained significant mineralized sections. No assays were reported (see Appendix C for logs).

July 16 - July 22 /92 TRENCHING
June 10 /92 to Sept 25 /92 MANUAL TRENCHING / WASHING TRACES | Ae

- 1950 Goldhar Resources drilled 7 short winkle drill holes on the North Zone (Holland-Chellew Showing). All the holes were drilled on either claim number 4763 or 4754. The drill logs are very brief, with only the mention of tuff and rhyolite. No assays were reported (see Appendix C for logs).
- 1932 L.R. Kindle of the Ontario Department of Mines reported on the Holland-Chellew occurrence south of Muriel Lake. It was reported on claim KK 1886, which is believed to be the J.J. Perry Horizon, a channel sample across 4 feet of mineralized material contained 12% copper, 5.4 oz/ton silver and .05 oz/ton gold.
- 1929 E.J. Holland and C. Chellew discovered the sulphide occurrences south of Muriel Lake. They subsequently carried out manual trenching to further expose these zones. At the Perry claims, approximately 1.5km southeast of the Holland-Chellew Occurrence, massive chalcopyrite, pyrrhotite and minor sphalerite is hosted by a limestone unit, which was trenched by J. Perry. This horizon is bounded on the north by a rhyolite and on the south by a coarse mafic flow. 50m north of the J.J. Perry showing Holland and Chellew uncovered what is known as the Galena Vein zone.

REGIONAL GEOLOGY

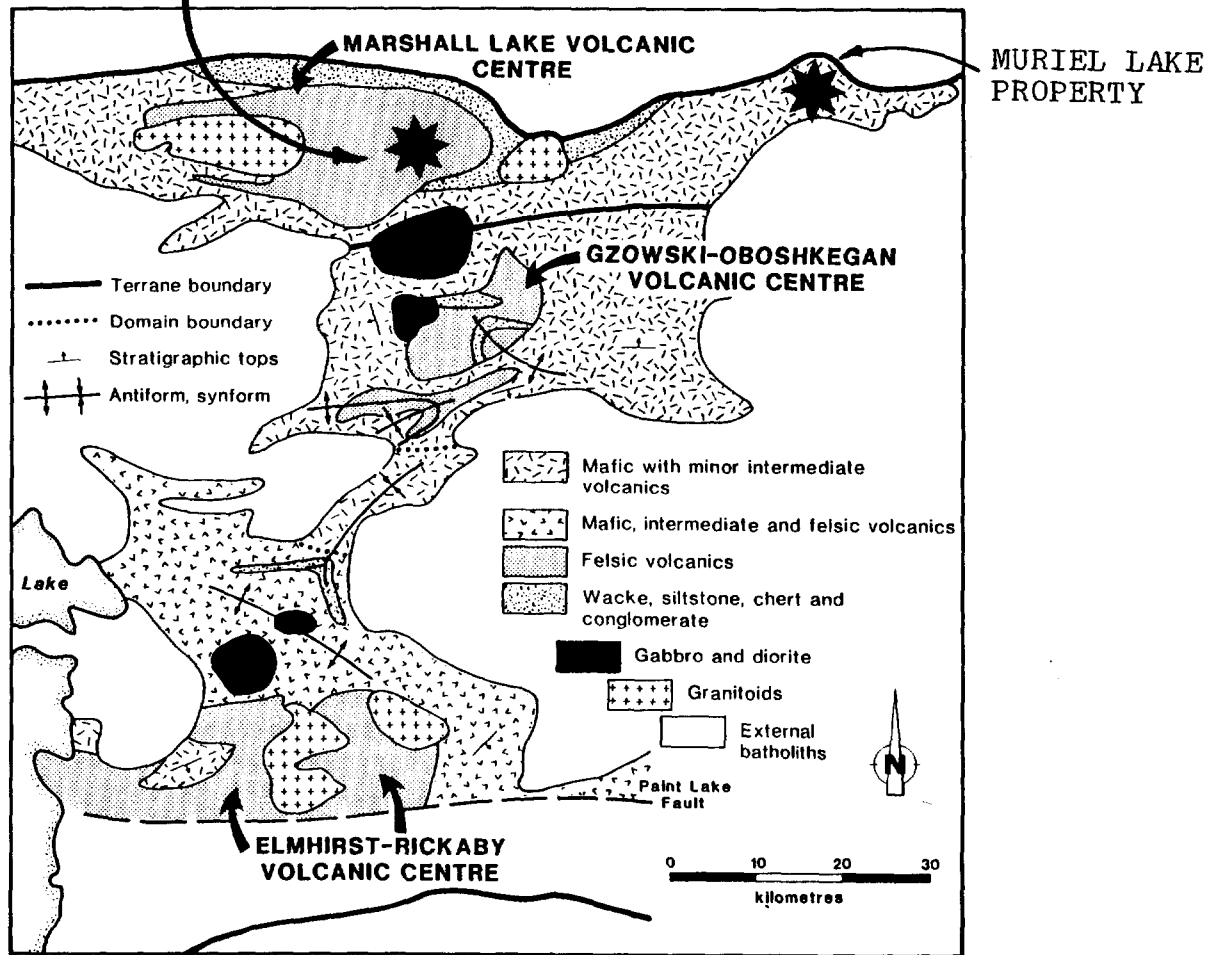
The Muriel Lake area is located in the Onaman-Tashota metavolcanic belt, at the extreme northeastern end where the belt appears to pinch out to approximately 10km wide. The area is predominantly underlain by metavolcanics, extending east from O'Sullivan Lake, consisting of mafic massive and pillowed mafic flows intruded by gabbro and diabase. Recently a considerable amount of felsic metavolcanics have been noted in the area comprised of pyroclastics and rhyolite to dacite flows.

The rocks of the area generally strike east-west with a vertical dip. Although topographic direction seems to have evidence for north and south, the general consensus is south for this area.

The metamorphic grade of the Muriel Lake area seems to be upper greenschist to lower amphibolite facies.

The Muriel Lake metavolcanic area is bounded on south by massive to foliated granite to granodiorite and on the north by metasedimentary and gneissic rock units.

MARSHALL LAKE DEPOSIT
 2.2 million tons
 1.2% copper, 4.2% zinc,
 2.45 oz/t Ag, 0.012 oz/t Au



Generalized geology of the eastern Wabigoon Subprovince between Lake Nipigon and Geraldton.

MURIEL LAKE PROPERTY

REGIONAL GEOLOGY

Feb. 25, 1994 Figure 3.

PROPERTY GEOLOGY

The Muriel Lake property contains all the units desirable for a base metal deposit. Although the property has not received a proper geological mapping survey, several of the main rock types have been observed on traverses and will be described as follows:

Mafic Metavolcanics

Most of the property is made up of this rock type, with the greatest percentage being pillowed metavolcanics. Quite often the pillow selvages are silicified, carbonatized and mineralized with sulphides. A number of outcrops were observed to be very coarse, suggesting either coarse flow centres or gabbroic units. Other mafic metavolcanic units observed were amphibolites, chlorite schists and massive flows. Thin section work by Inco Exploration Inc. on the altered pillow basalt revealed a strongly foliated, very fine grained assemblage of actinolite, quartz, epidote, carbonate and albite (see Appendix B, sample # 205732).

Felsic Metavolcanics

These rock types are represented by tuffs, lapilli tuffs, rhyolite and dacite. The fragments observed in the tuff units range in size from 1cm to 10cm with the majority of the rock unit being comprised of ash size particles. The rhyolite displays a spotted texture, which in thin section appears to be sericite clots. The felsic units occur in close proximity to the mineralized zones on the property. It has been observed, in the past, that Muriel Lake itself seems to contain a felsic intrusive/extrusive body of limited extent, now highly elongated along the strike of the greenstone belt (Waddington, 1982).

Metasedimentary Rocks

These occur as interflow units ranging in width from 1m to 5m wide. They are quite often altered to the point of being undistinguishable from some of the felsic metavolcanic units. The metasediments are usually altered to a biotite-garnet and garnet-staurolite schists. Thin section also revealed the presence of actinolite (see Appendix B, sample # 205738).

Mafic Intrusives

These are comprised of gabbro and diabase. The gabbro can be very coarse with the finer grained material being similar to the coarse mafic metavolcanic flows. The diabase dykes are usually narrow (5m wide) and run north-south across the property.

North Zone (Holland-Chellew Occurrence)

This horizon is a massive sulphide zone of pyrite, pyrrhotite and traces of chalcopyrite from 2m to 4m in width. It has a series of regional airborne EM conductors associated with it that stretches for approximately 9km. Consistent values of .4% Zn and .2% Cu are returned from this zone.

Galena Vein Zone

This horizon consists of a chert with massive to disseminated pyrite, sphalerite, chalcopyrite and galena. The sphalerite, chalcopyrite and galena can be traced at times along what appears to be bedding planes in the cherty exhalative unit. This zone is up to 20m wide and intensely folded at the trenched location. The cherty horizon is bounded on the north by pillowed volcanics and on the south by felsic metavolcanics (tuffs, dacite and rhyolite) and coarse mafic flows or gabbro. This horizon has been traced for approximately 2km on strike to the west. Assays from the Galena Vein Zone have returned values as high as 5.8% Zn, .86% Cu, 1.17% Pb, 1.52 oz/ton Ag and .01 oz/ton Au.

J.J. Perry Zone

The J.J. Perry occurrence is hosted by a limestone (marble) unit striking 85° and dipping 86° north in contact with mafic to felsic metavolcanic rocks and gabbro. The zone is bounded on the north by a rhyolite and on the south by a gabbro or coarse flow. The limestone unit is recrystallized and up to 2m wide. Chalcopyrite, pyrrhotite and minor sphalerite occurs as massive patches and fracture fillings within the limestone and proximal to the limestone along the contacts. This zone has been traced for approximately 1km. Assay values up to 16.22% Cu, .2% Zn, 6.46 oz/t Ag and .05 oz/ton Au were obtained from this horizon.

Structure

The strike of the rocks on the Muriel Lake property are generally east-west with dips varying from steep northwards to vertical. The pillows, mostly, indicate tops direction to be south, although there are outcrops that showed tops to be north. Folding is most prominent in the Galena Vein trench where plunge directions are vertical to 40°W.

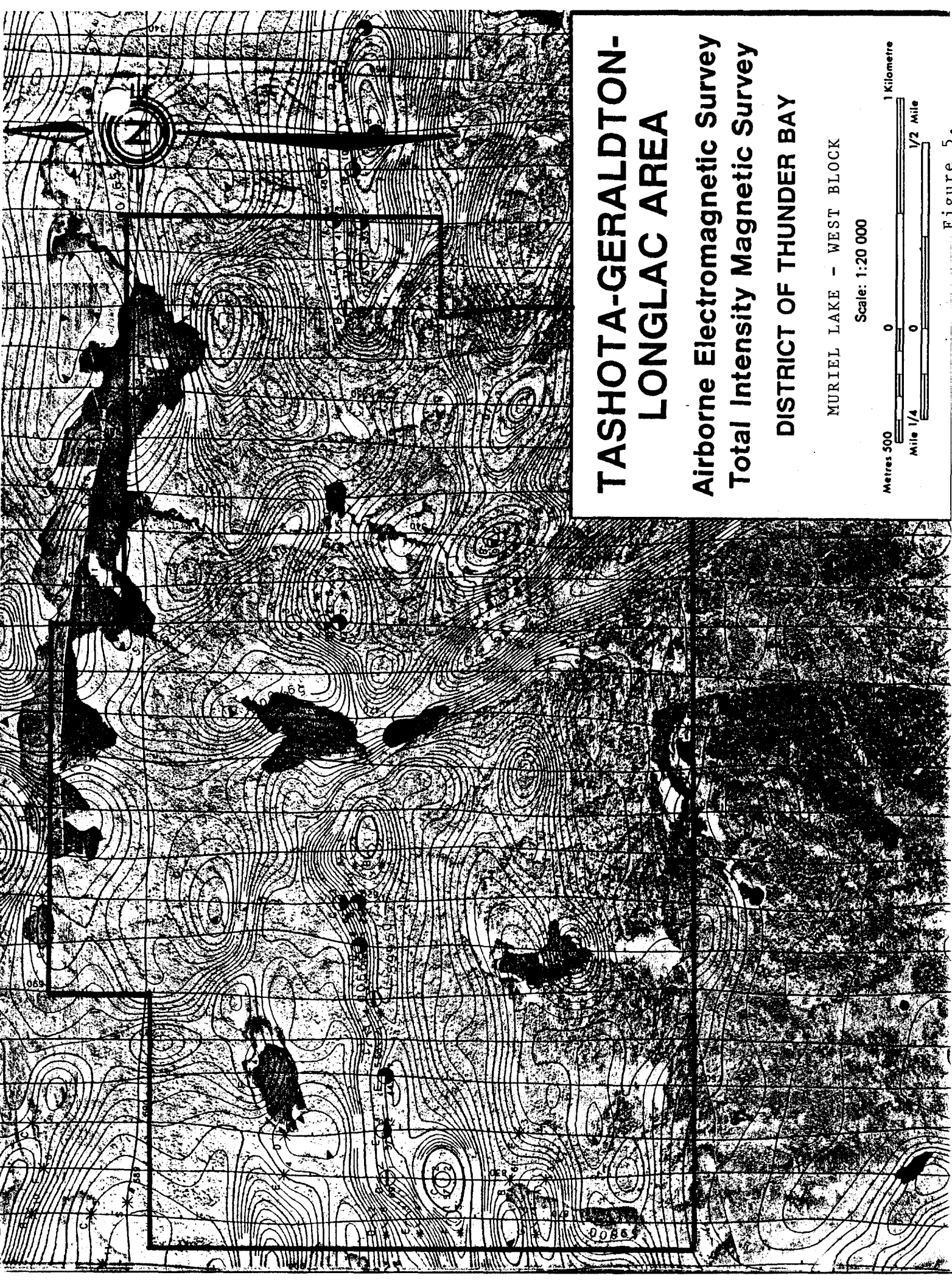
Alteration

Several outcrops on the property display alteration that is potentially related to hydrothermal volcanogenic massive sulphide activity. Rock types such as garnetiferous schists, garnet-staurolite schists and chlorite-amphibolite schists may be the result of base metal type alteration. The thin sections by Inco Exploration prove the existence of these minerals. There have been a number of samples taken for whole rock analysis and several of them indicate a subtle presence of hydrothermal alteration (see Appendix A.).

GEOPHYSICS

In 1989 Aerodat Limited performed an Airborne Electromagnetic Survey and a Total Intensity Magnetic Survey for the Ministry of Northern Development and Mines. The survey covered most of the greenstone terrain of the Beardmore-Geraldton Area, including the Muriel Lake property.

The property has a very obvious regional trend of EM conductors which correspond well with the North Zone. This is a zone of massive pyrite, pyrrhotite and minor chalcopyrite/sphalerite that can be traced for 9km. The more interesting anomalies are the isolated EM conductors which seem to be related to the southern zone of the Galena Vein and the J.J. Perry Horizons (see figures 5 & 6). A ground survey of MAX-MIN and magnetics is needed to better define these anomalies.



TASHOTA-GERALDTON- LONGLAC AREA

Airborne Electromagnetic Survey
Total Intensity Magnetic Survey

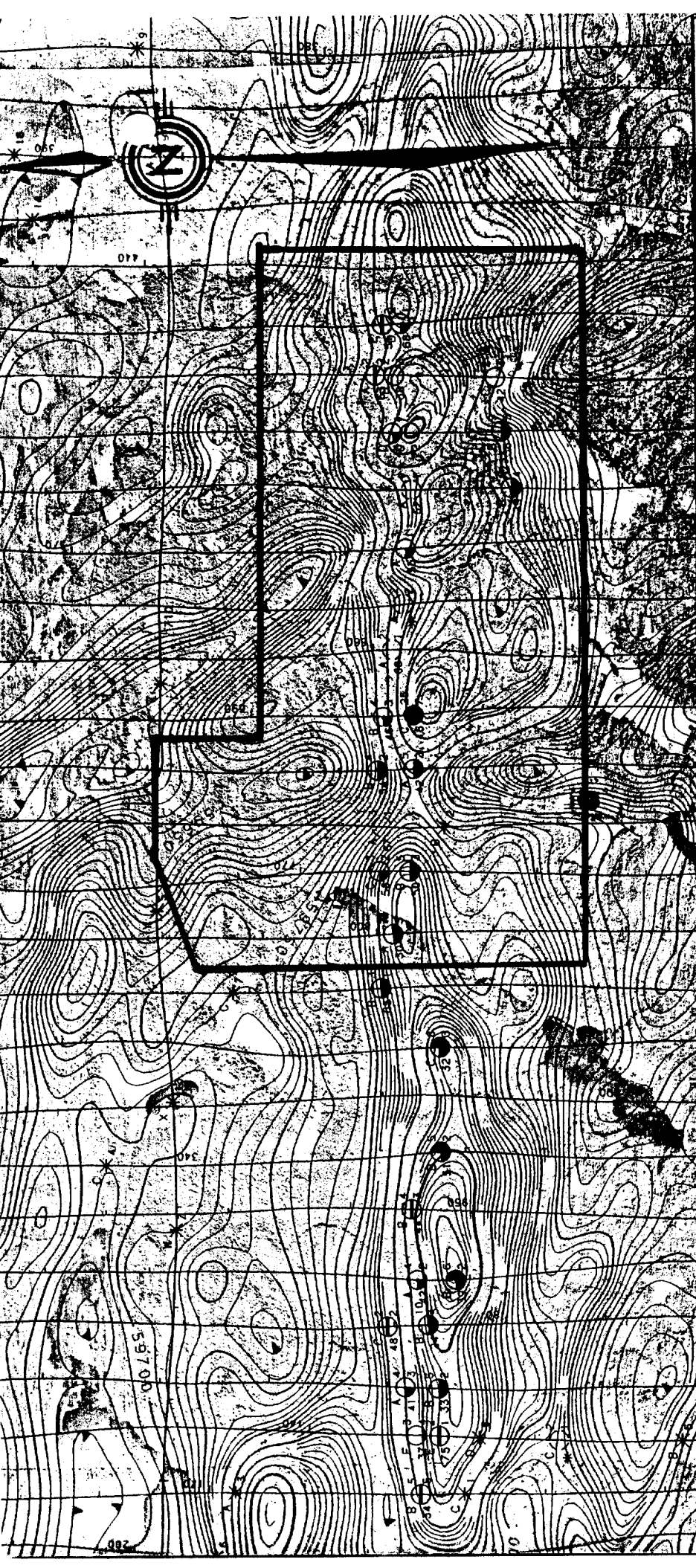
DISTRICT OF THUNDER BAY

MURIEL LAKE - WEST BLOCK

Scale: 1:20 000



Figure 5.



TASHOTA-GERALDTON- LONGLAC AREA

Airborne Electromagnetic Survey
Total Intensity Magnetic Survey

DISTRICT OF THUNDER BAY

MURIEL LAKE - EAST BLOCK

Scale: 1:20 000



Figure 6.

1993 PROPERTY VISITS

On July 13, 1993 Ian Campbell of Challenger Minerals Limited visited the Muriel Lake property with Aubrey Eveleigh. A total of 5 samples were taken and sent to Accurassay Labs in Thunder Bay for whole rock analysis. See Appendix A for results.

On July 14, 1993 Inco Exploration geologists Bob Bell and Wim Vanderkluft along with Ministry of Northern Development and Mines geologists John Mason and Gerry White did a property visit accompanied by Aubrey Eveleigh. A total of 19 grab samples were taken by Inco and sent to two different labs for analysis. At Activation Laboratories Limited, in Ancaster, Ontario, there was an analysis performed for 35 elements using their AA package. Another 19 samples were sent to Chemex Labs Limited in Mississauga, Ontario where 9 elements were analyzed along with a whole rock package. The following table summarizes the main elements. The whole rock data and the results of the other elements are in Appendix A.

Table 1. Inco Exploration Sample Results

Sample No.	Description	Cu ppm	Zn ppm	Pb ppm	Ag oz/t	Au oz/t
205726	Chloritic Pillowed volc	40	42	16	< .001	trace
205727	Cherty-Chlorite Schist 2-4% py	237	54	14	<0.01	trace
205728	Altered Volcanic or Chemical Sediment	30	38	38	<0.01	trace
205729	Cherty Horizon	14	472	40	<0.01	.001
205730	Galena Vein Zone	156	3.33%	1.19%	1.19	trace
205731	Chlorite tuff/exhalative	297	478	64	0.03	.001
205732	Altered Mafic Flow	53	52	2	<0.01	trace
205733	Rhyolite	6	20	6	<0.01	trace
205734	Brecciated Chloritic Metased	122	40	14	<0.01	trace
205735	J.J. Perry Zone	8.80%	1270	58	3.37	.02
205736	Altered Limestone	267	4	2	<0.01	nil
205737	Felsic Lapilli Tuff	12	50	<2	<0.01	nil
205738	Garnetiferous Felsic Tuff	13	30	<2	<0.01	nil
205739	Garnetiferous Felsic Tuff	5	58	<2	<0.01	nil
205740	Rhyolite	122	38	<2	<0.01	nil
205741	Kindle Trench	1.62%	268	4	.54	.002
205742	Felsic Volcanic - Garnet & Staurolite	2	20	<2	<0.01	nil
205743	Magnetic Garnet Sediment	90	78	<2	<0.01	trace
205744	Felsic Volcanic	16	64	<2	<0.01	trace

On September 8, 1993, Stan Clammer of Falconbridge Limited visited the Muriel Lake property with Garry Clark. A total of 8 grab samples were taken for whole rock analysis at X-Ray Assay Laboratories in Rouyn-Noranda, Quebec. See Appendix A for results.

On September 24, 1993, geologist Mike Atkins, of Freewest Resources visited the Muriel Lake property accompanied by Aubrey Eveleigh, Garry Clark and Pierre Gagne. A total of 5 grab samples were taken and assayed for copper, lead, zinc, silver and gold at Accurassay Laboratories in Thunder Bay.

Table 2. Freewest Resources Sample Results						
Sample No.	Description	Cu ppm	Zn ppm	Pb ppm	Ag ppm oz/t	Au ppb oz/t
210225	Pyrite-Chert Horizon Galena Trench	224	2.10%	1.17%	31 (1.05)	71 (.002)
210226	Kindle Trench	2.51%	416	124	27 (0.92)	61 (.002)
210227	Felsic Tuff with Quartz and Chalcopyrite	16.22%	1460	7	190 (6.46)	143 (.004)
210228	J.J. Perry Trench	5.38%	350	7	59 (2.01)	178 (.005)
210229	J.J. Perry Trench	12.35%	246	2	163 (5.54)	256 (.007)

See Appendix A for Assay Certificate.

On October 14, 1993, Inco Exploration geologists Bob Bell, Wim Vanderklift, Ed Debicki and Dave Barrows made a second visit to Muriel Lake accompanied by Garry Clark. A total of 10 more grab samples were taken with a whole rock analysis done on them at their lab in Copper Cliff, Ontario. See Appendix A for results.

On October 19, 1993, Tom Lewis of Placer Dome Inc. toured the Muriel Lake property with Garry Clark. A total of 3 chip samples were taken and sent to Chemex labs in Rouyn-Noranda, Quebec for assay.

Table 3. Placer Dome Sample Results

Sample No.	Description	Cu ppm	Zn ppm	Pb ppm	Ag oz/t	Au oz/t
E37021	1m chip of massive py/chert Galena Trench	.03%	1.9%	3.6%	3.44	.008
E37022	1m chip chalcophyrite/gossan Kindle Trench	1.7%	.03%	.01%	.58	.004
E37023	2m chip chalcophyrite/gossan J.J. Perry Trench	5.3%	.04%	.01%	1.90	.006

CONCLUSIONS AND RECOMMENDATIONS

The Muriel Lake base metal property has proven to be a viable host for a Volcanogenic Massive Sulphide deposit. There are numerous significant copper, zinc, lead, silver and gold numbers to indicate this type of deposit.

The rock types of the property suggest the right environment, as well as the subtle alteration from several of the samples. In the past, it was difficult to carry out any exploration, but a new logging road constructed by Kimberly-Clark will provide good access to the property.

The Muriel Lake property will need a grid to be followed with a geophysical survey and mapping program. This will further evaluate the base metal mineralization and provide targets for drilling.

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Department of Mines, Fortieth Annual Report, pp. 100-102

STATEMENT OF QUALIFICATIONS

I, Aubrey John Eveleigh of Thunder Bay, Ontario do hereby certify that:

1. I am a Geologist residing at 155 Coady Place
2. I am a graduate of Memorial University of Newfoundland (1989) with a Bachelor of Science Degree in Geology
3. I have been involved in mineral exploration since 1985
4. I own 33.33% of the Muriel Lake property

Date: _____

Signature: _____

Aubrey J. Eveleigh
B.Sc. Geology

APPENDIX A

Assay Results, Whole Rock Data and Certificates

OPAP 1992 Sample Results

Sample No.	Description	Cu ppm	Zn ppm	Pb ppm	Ag oz/t	Au oz/t
ML-1	Galena Trench	76	5.8%		1.52	.001
ML-2	Galena Trench	260	7100	2476	.10	.001
ML-3	J.J. Perry Trench	1676	138		.08	.005
ML-4	J.J. Perry Trench	80	76		.04	.001
ML-5	West Trench - Galena Horizon	80	77			.001
ML-6	West Trench - Galena Horizon	491	144			.001
ML-7	West Trench - Galena Horizon	24	16			.001
ML-8	Amphibolite Schist	107	16	<1		Tr.
ML-9	Amphibolite Schist	280	22	<1		Tr.
ML-10	East Trench - Galena Horizon	41	23	6		Tr.
ML-11	East Trench - Galena Horizon	151	24	4		Tr.
ML-12	East Trench - Galena Horizon	120	4	6		Tr.
ML-13	Amphibolite Schist	52	56	4		Tr.
ML-14	Quartz-Mica Schist	24	55	3		Tr.
ML-15	Quartz-Mica Schist	25	38	3		Tr.
ML-16	Quartz-Biotite Schist	23	48			Tr.
ML-17	Mafic Volcanic - carb. alt.	286	26			Tr.
ML-18	Altered Mafic Volcanic	119	22			Tr.
ML-19	Metased - 5% po	194	98			Tr.
ML-20	Altered Mafic Volcanic	146	109			Tr.
ML-21	Felsic Tuff	139	78			Tr.
ML-22	East Block Trench - Massive sulphides	171	21			Tr.
ML-23	East Block Trench	165	39			Tr.
ML-24	East Block Trench - Schist 20-25% py, po	122	47			Tr.

OPAP 1992 Sample Results - continued

Sample No.	Description	Cu ppm	Zn ppm	Pb ppm	Ag oz/t	Au oz/t
ML-25	East Block Trench - Schist 20-25% py, po	288	77			Tr.
ML-26	East Block Trench - Schist 20-25% py, po	1520	4416			Tr.
ML-27	East Block Trench - Schist 20-25% py, po	286	110			Tr.
ML-28	East Block Trench - massive sulphides	108	619			Tr.
ML-29	Metaseds - gossaned	31	84			Tr.
ML-30	5-10% Sulphides - schist	34	24			Tr.
ML-31	5-10% Sulphides - schist	120	110			Tr.
ML-32	Amphibolite Schist - trace sulphides	247	1160			.001
ML-33	North Zone - massive sulphides	245	1088			Tr.
ML-34	North Zone - massive sulphides	704	122			.001
ML-35	North Zone - massive sulphides	300	78			Tr.
ML-36	North Zone - massive sulphides	1104	326			Tr.
ML-37	North Zone - massive sulphides	2176	3968			.001
ML-38	North Zone - massive sulphides	1072	2368			Tr.
ML-39	North Zone - massive sulphides	51	56			Tr.
ML-40	Amax Cu Area	164	25			Tr.
ML-41	Amax Cu Area	326	20			Tr.
ML-42	Amax Cu Trench	828	44			Tr.
ML-43	Amax Cu Trench	2208	30			Tr.
222984	Galena Trench	162	2.0%	16		.001
222985	Galena Trench	199	1.3%	28		Tr.
222986	Galena Trench	71	324	36		Tr.
222987	Galena Trench	119	740	6		Tr.
222988	J.J. Perry Trench	3.9%	576			.001
222989	J.J. Perry Trench	268	25			Tr.
222990	J.J. Perry Trench	7520	59			.01

OPAP 1993 Sample Results

Sample No.	Description	Cu ppm	Zn ppm	Pb ppm	Au oz/t
213851	Bio. altered felsic, cpy and py	51	76		< .001
213852	Dacite to intermediate intrusive	5	61		< .001
213853	Biotite altered sediment/felsic	29	41		< .001
213854	Biotite altered sediment	18	16		< .001
213855	Recrystallized, ser. altered chert	18	16		< .001
213856	Coarse garnet schist	74	18		< .001
213857	Fine to Med. grained gnt. schist	52	6		< .001
213858	Coarse gnt. schist	67	52		< .001
217142	Contact-felsic xenolith/mafic int	204	23		< .001
217143	Py-chert in pillows	118	49		< .001
217144	Fine grained mafic volc.	201	6		< .001
217145	Mafic tuff	136	37		< .001
217146	Sheared mafic tuff	140	29		< .001
217147	Pillowed volc.- trace py & cpy	119	42		< .001
217148	Contact-felsic xenolith/mafic int	298	16		< .001
217149	Mafic flow/tuff - 1-2% py	274	24		< .001
217150	Sheared mafic-int. tuff	112	81		< .001
217993	1.5m chip int. tuff - 5% py	170	896		< .001
217994	1.5m chip int. tuff - 5% py	162	701		< .001

OPAP 1993 Sample Results - continued

Sample No.	Description	Cu ppm	Zn ppm	Pb ppm	Au oz/t
217995	Rhyolite contact to limestone	232	46		< .001
217996	Massive cpy - Kindle Trench	> 10000	301		.003
218997	massive cpy/chert - J.J. Perry	> 10000	163		.014
AE-93-1	Massive py & po	280	3778	129	< .001
AE-93-2	Massive py & po	82	144	40	< .001
AE-93-3	Recrystallized chert - 5% py	43	137	40	< .001
AE-93-4	Chlorite-garnet schist	53	132	31	
AE-93-5	Chlorite-garnet schist	64	77	44	
AE-93-6	Massive cpy - Kindle trench	> 10000	652	14	.004
ML-1	Amph. Bio. schist - Kindle trench	4064	179		< .001
ML-2	Siliceous sediment	139	30		< .001
ML-3	Altered Maf. Volc.-py,po & cpy	350	64		< .001
ML-4	Int. tuff - 3-5% py	190	494		< .001
M-1	Massive cpy - Felsic tuff	13.89%	483		.007
M-2	Pyroclastic - 2-3% cpy	1.86%	106		.004
M-3	Quartz vein - trace py				< .001



ACCURASSAY LABS

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1070 LITHIUM DRIVE, UNIT 2
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18-Sep-92

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

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Attn: Mr. Gary Clark
Project:

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PO #:

Job: 9245581

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



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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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Status: Final

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	156	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	42	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	42	5	51.52	13.06
ML-L-43	1.79	0.28	7	4	(60.45)	15.17
ML-L-44	1.057	0.18	3	7	51.72	13.59
ML-L-45	1.76	0.45	42	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



ACCURASSAY LABS

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1070 LITHIUM DRIVE, UNIT 2
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18-Sep-92

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

Page: 11
Copy: 1 of 1
Set: 1

Attn: Mr. Gary Clark
Project:

Received: 1-Sep-92 09:52

PU #:

Job: 9245581

Status: Final

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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18-Sep-92

J. G. Clark
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Attn: Mr. Gary Clark
Project:

PU #:

Received: 1-Sep-92 09:30

Job: 9245581

Status: Final

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	17.73	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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18-Sep-92

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

Page: 13
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Attn: Mr. Gary Clark
Project:

Received: 1-Sep-92 09:52

PO #:

Job: 9245581

Status: Final

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



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18-Sep-92

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Thunder Bay, ON
P7B 5B7

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Attn: Mr. Gary Clark
Project:

Received: 1-Sep-92 09:52

PO #:

Job: 9245581

Status: Final

Rock Samples

Sample	TiO2 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



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1070 LITHIUM DRIVE, UNIT 2
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18-Sep-92

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

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Attn: Mr. Gary Clark
Project:

Received: 1-Sep-92 09:55

PO #:

Job: 9245581

Status: Final

Rock Samples

Sample	TOTAL Calc. %	DESCRIPTION
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	Med. " "
ML-L-10	97.9	Pillow Volc. (Maf. flow)
ML-L-11	98.5	" " "
ML-L-12	98.1	Mafic flow
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	Biotite Amphibolite Schist
ML-L-26	98.4	Amphibolite Schist
ML-L-27	98.4	" " "
ML-L-28	98.2	fine grained Maf. Volc. (Massive)



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18-Sep-92

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Thunder Bay, ON
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Attn: Mr. Gary Clark
Project:

Received: 1-Sep-92 09:52

PO #:

Job: 9245581

Status: Final

Rock Samples

Sample	TOTAL Calc. %	DESCRIPTION
ML-L-29	98.2	fine grained Amphibolite Schist
ML-L-30	100.0	Med. grained " "
ML-L-31	99.9	fine grained " "
ML-L-32	99.7	" " " "
ML-L-33	99.5	Qtz biotite Schist
ML-L-34	98.0	Maf. Vole
ML-L-35	98.7	hbl. Schist
ML-L-36	98.7	Maf Vole
ML-L-37	100.2	" "
ML-L-38	99.7	Coarse Maf. flow
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	hbl. garnet schist
ML-L-44	98.1	Coarse Maf. flow
ML-L-45	99.4	" " "
ML-L-46	99.5	Maf. Vole.
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	" "



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Page 1

MR. GARRY CLARK
618 North Vickers Street
Thunder Bay, Ontario
P7B 5B7

October 1, 1993

Job #934396

Accurassay	Sample # Customer	Zinc ppm	Copper ppm
	1 213851-	76	51
	2 213852-	61	5
	3 213853-	41	29
	4 213854-	26	18
	5 213855	16	18
	6 213856	18	74
	7 213857	6	52
	8 213858	52	67
	9 217142-	23	204
	10 217143	49	118
	11 217144-	6	201
	12 217145	37	136
	13 217146	29	140
	14 217147	42	119
	15 217148	16	298
	16 217149	24	274
	17 217150	81	112
	18 217993-	896	170
	19 217994	701	162
	20 217995	46	232
	21 217996	301	>10000
	22 217997	163	>10000

Certified By: Chris Bever



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Page 1

MR. GARRY CLARK
618 North Vickers Street
Thunder Bay, Ontario
P7B 5B7

September 22, 1993

Job #934396

Accurassay	Sample # Customer	Gold ppb	Gold Oz/t
	1 213851	<5	<0.001
	2 213852	<5	<0.001
	3 213853	7	<0.001
	4 213854	<5	<0.001
	5 213855	<5	<0.001
	6 213856	<5	<0.001
	7 213857	5	<0.001
	8 213858	<5	<0.001
	9 217142	<5	<0.001
	10 217143	<5	<0.001
	10 217143 Check	6	<0.001
	11 217144	7	<0.001
	12 217145	7	<0.001
	13 217146	<5	<0.001
	14 217147	5	<0.001
	15 217148	10	<0.001
	16 217149	6	<0.001
	17 217150	8	<0.001
	18 217993	13	<0.001
	19 217994	14	<0.001
	19 217994 Check	18	<0.001
	20 217995	13	<0.001
	21 217996	97	0.003
	22 217997	479	0.014

Certified By: _____

Bob Burre



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Page 1

MR. GARRY CLARK
618 North Vickers Street
Thunder Bay, Ontario
P7B 5B7

October 1, 1993

Job #934396

Sample #	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppm	La ppm
213851	0.1	2.96	7	100	<1	<3	0.15	1	21	15	51	5.27	<1	8
213852	0.1	1.30	7	458	<1	<3	0.09	1	6	209	6	2.26	<1	17
213853	0.1	2.44	3	201	<1	<3	0.10	1	17	28	29	3.66	<1	7
213854	0.1	1.69	5	74	<1	<3	0.20	1	11	300	22	3.15	<1	13
213855	0.1	0.29	4	19	<1	<3	0.10	1	2	12	22	0.60	<1	11
213856	0.1	1.29	5	40	<1	<3	0.18	1	13	53	72	2.51	<1	7
213857	0.1	2.06	5	110	<1	<3	0.14	1	22	62	68	4.40	<1	9
213858	0.1	2.76	6	175	<1	<3	0.08	1	14	273	83	3.85	<1	8

Sample #	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Si %	Sr ppm	Ti %	V ppm	W ppm	Zn ppm
213851	1.35	559	2	0.06	51	574	5	9	0.02	2	0.11	118	9	59
213852	0.93	342	1	0.05	34	339	6	<2	0.01	1	0.15	42	<2	52
213853	1.27	418	1	0.08	46	402	6	6	0.01	2	0.23	141	7	33
213854	0.98	326	2	0.07	39	383	6	4	0.01	3	0.13	76	4	22
213855	0.12	65	<1	0.02	2	249	5	<2	0.01	1	<0.01	1	<2	11
213856	0.54	212	2	0.03	42	714	4	<2	0.02	1	0.07	64	<2	12
213857	0.70	212	2	0.07	76	662	5	5	0.01	2	0.19	113	4	7
213858	1.58	282	2	0.12	35	471	5	7	0.01	3	0.19	71	9	45

Certified By:



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Page 1

MR. GARRY CLARK
618 North Vickers Street
Thunder Bay, Ontario
P7B 5B7

November 2, 1993

Job #934396

Sample #	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	P2O5 %	TiO2 %	MnO %	BaO %	Cr2O3 %	SrO %	LOI %	Total %
213851	64.42	14.81	9.65	2.55	2.11	1.34	1.79	0.113	0.723	0.104	0.021	0.015	0.004	2.2	99.9
213852	72.66	14.92	3.26	1.39	2.03	5.77	1.32	0.043	0.274	0.041	0.040	0.062	0.008	0.5	102.3
213853	62.26	18.00	5.63	1.96	3.36	3.12	2.48	0.048	0.723	0.075	0.024	0.011	0.007	1.0	98.7
213854	69.36	14.39	4.89	1.53	2.11	4.02	1.22	0.014	0.433	0.047	0.018	0.098	0.006	1.4	99.5
213855	74.38	14.25	0.92	0.18	0.85	5.80	1.87	0.014	0.019	0.010	0.029	0.004	0.005	0.7	99.0
213856	57.20	17.33	17.35	2.12	2.17	1.11	0.59	0.126	0.694	0.207	0.004	0.037	0.004	0.2	99.1
213857	58.42	17.74	17.35	1.65	1.24	0.90	1.58	0.090	0.702	0.206	0.010	0.039	0.008	0.2	100.3
213858	69.35	12.93	6.76	2.77	1.87	2.15	2.15	0.072	0.338	0.082	0.013	0.088	0.004	0.8	99.4

Certified By: _____



ACCURASSAY LABORATORIES

A DIVISION OF ASSAY LABORATORY SERVICES INC.

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

Page 1

MR. GARRY CLARK
618 North Vickers Street
Thunder Bay, Ontario
P7B 5B7

July 30, 1993

Job #934274

Accurassay	Sample #	Customer	Copper ppm	Lead ppm	Zinc ppm
	1	AE-93-1	280	129	3778
	2	AE-93-2	82	40	144
	3	AE-93-3	43	40	137
	4	AE-93-4	53	31	132
	5	AE-93-5	64	44	77
	6	AE-93-6	>10000	14	652



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Page 1

Garry Clark
618 North Vickers Street
Thunder Bay, Ontario
P7B 5B7

July 26, 1993

Job #934274

Accurassay	Sample #	Customer	Gold ppb	Gold Oz/t
	1	AE-93-1	20	<0.001
	2	AE-93-2	2	<0.001
	3	AE-93-3	12	<0.001
	4	AE-93-6	135	0.004
	4	AE-93-6 Check	47	0.001



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Page 1

MR. GARY CLARK
818 North Vickers Street
Thunder Bay, Ontario
P7E 5B7

July 30, 1993

Job #934274

Parameter (%)	AE-93-4	AE-93-5
SiO ₂	53.79	57.85
Al ₂ O ₃	15.09	14.25
Fe ₂ O ₃	16.14	14.36
MgO	3.77	2.8
CaO	3.88	6.34
Na ₂ O	2.08	0.51
K ₂ O	0.22	1.5
P ₂ O ₅	0.125	0.159
TiO ₂	1.329	1.338
MnO	0.307	0.237
BaO	0.007	0.016
Cr ₂ O ₃	0.055	0.063
SrO	0.012	0.021
LOI	2.2	1.8
Total	99.01	101.24



ACCURASSAY LABORATORIES

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Page 1


MR. GARRY CLARK
618 North Vickers Street
Thunder Bay, Ontario
P7B 5B7

November 2, 1993

Job #934537

Accurassay	Sample #	Customer	Gold ppb	Gold Oz/t
	1	ML-1	28	<0.001
	2	ML-2	<5	<0.001
	3	ML-3	<5	<0.001
	3	ML-3 Check	<5	<0.001
	4	ML-4	12	<0.001
	4	ML-4 Check	9	<0.001

Certified By:


Chris Bell



ACCURASSAY LABORATORIES

A DIVISION OF ASSAY LABORATORY SERVICES INC.

1070 LITHIUM DRIVE, UNIT 2
THUNDER BAY, ONTARIO P7B 6G3
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Page 1

MR. GARRY CLARK
618 North Vickers Street
Thunder Bay, Ontario
P7B 5B7

November 11, 1993

Job #934537

Accurassay	Sample # Customer	Zinc ppm	Copper ppm
	1 ML-1	179	4064
	2 ML-2	30	139
	3 ML-3	64	350
	4 ML-4	494	190

Certified By: *Peter Bever*



ACCURASSAY LABORATORIES

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Page 1

MR. GARRY CLARK
618 North Vickers Street
Thunder Bay, Ontario
P7B 5B7

September 29, 1993

Job #934439

Accurassay	Sample #	Customer	Gold ppb	Gold Oz/t
	1	M-1	237	0.007
	2	M-2	123	0.004
	3	M-3	35	0.001
	3	M-3 Check	22	<0.001

Certified By: *Chris Baker*



ACCURASSAY LABORATORIES

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Page FAX (807) 623-6820

MR. GARRY CLARK
618 North Vickers Street
Thunder Bay, Ontario
P7B 5B7

October 14, 1993

Job #934439

Accurassay	Sample #	Customer	Zinc ppm	Copper %
	1	M-1	483	13.89
	2	M-2	106	1.86

Certified By: Chris Bice



BARRINGER LABORATORIES

BARRINGER / ACCURASSAY LABORATORIES
THUNDER BAY DIVISION

5735 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
PHONE: (416) 890-8566
FAX: (416) 890-8575

2-Jun-92

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

Page: 1
Copy: 1 of 1
Set: 1

Attn: Mr. J.G. Clark
Project:

PO #:

Received: 25-May-92 12:27

Job: 924165T

Status: Final

Rock Samples

Sample	Cu AA ppm	Zn AA ppm	Ag AA ppm	Pb AA ppm	Au FA/AA3 ppb
ML-1	76	>100000 (5.8%)	52.4	---	43
ML-2	260	7100	10.4	2476	32
ML-3	1676	138	2.8	---	151
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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PHONE (807) 623-6448 FAX 623-6820

15-Jun-92

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

Page: 1
Copy: 1 of 1
Set: 1

Attn: Mr. J.G. Clark
Project:

Received: 8-Jun-92 14:00

PO #:

Job: 924219T

Status: Final

Rock Samples

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



ACCURASSAY LABS

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30-Jun-92

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

Page: 1
Copy: 1 of 1
Set: 1

Attn: Mr. Garry Clark/ Mr. Aubrey Eveleigh
Project: PO #:

Received: 27-Jun-92 13:56

Job: 9242981

Status: Final

Rock Samples

Sample	Cu	Pb	Zn	Au
	AA ppm	AA ppm	AA ppm	FA/AA3 ppb
ML-8	107	<1	16	<5
ML-9	280	<1	22	<5
ML-10	41	6	23	8
ML-11	151	4	24	12
ML-12	120	6	4	6
ML-13	52	4	56	<5
ML-14	24	3	55	22
ML-15	25	3	38	6

RECEIVED



ACCURASSAY LABS

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17-Jul-92

J. B. CLARK
618 North Vickers Street
Thunder Bay, ON
P7B 5B7

Page: 1
Copy: 1 of 1
Set: 1

ATTN: Garry Clark / Audrey Eveleigh
Project:

Received: 13-Jul-92 12:28

PO #:

Job: 9243471

Status: Final

Rock Samples

Sample	AU	Zn	CU
	FA/AA3 ppb	AA ppm	AA ppm
ML-16	<5	48	23
ML-17	<5	26	286
ML-18	<5	22	119
ML-19	10	98	194
ML-20	6	109	146
ML-21	<5	78	139
ML-22	<5	21	171
ML-23	15	39	165
ML-24	7	47	122
ML-25	7	77	288
ML-26	18	4416	1520
ML-27	6	110	286
ML-28	12	617	108
ML-29	6	84	31
ML-30	<5	24	34
ML-31	8	110	120

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ACCURASSAY LABS

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

8-Sep-92

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

Page: 1
Copy: 1 of 1
Set: 1

Attn: Mr. Gary Clark
Project:

Received: 1-Sep-92 09:58

PO #:

Job: 9245591

Status: Final

Rock Samples

Sample	Au	Cu	Zn
	FA/AA3 ppb	AA ppm	AA ppm
ML32	55	247	1160
ML33	10	245	1088
ML34	41	704	122
ML35	9	300	78
ML36	15	1104	326
ML37	53	2176	3968
ML38	21	1072	2368
ML39	5	51	56
ML40	24	164	25
ML41	10	326	20
ML42	15	828	44
ML43	18	2208	30



ACCURASSAY LABS

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(807) 623-6448 FAX 623-6820

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

2-Oct-92

Page: 3
Status: Final

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
2 22984	47	162	>10000 2.0%	16
2 22985	24	199	>10000 1.3%	28
2 22986	16	71	324	36
2 22987	24	119	740	6
2 22988	306	>10000 3.9%	576	---
2 22989	<5	268	25	---
2 22990	258	7520	59	---

145.68

16/10/92

Sample description	AU PPM	AG PPM	AS PPM	BA PPM	BR PPM	CA PPM	CO PPM	CR PPM	CS PPM	FZ PPM	HF PPM	HG PPM	IR PPM	MO PPM	NA PPM	NI PPM	RB PPM	SB PPM	SC PPM	SE PPM	SM PPM	SR PPM	TA PPM	TE PPM
RX 205726	11	<5	2	<100	<1	7	45	250	<2	9.00	1.9	<1	<5	<5	17900	<50	<30	4.1	37	<5	<0.01	<0.05	<1	1.1
RX 205727	9	<5	20	<100	<1	12	45	1500	<2	9.88	2.8	<1	<5	<5	343	760	<30	2.6	25	<5	<0.01	<0.05	<1	2.6
RX 205728	34	<5	100	<100	<1	<1	66	390	<2	34.7	0.6	<1	<5	8	364	<50	<30	0.6	0.6	7	<0.01	<0.05	<1	<0.5
RX 205729	10	<5	10	<100	<1	<1	<5	510	<2	2.14	<0.5	<1	<5	<5	114	<50	<30	0.8	0.6	<5	<0.01	<0.05	<1	<0.5
RX 205730	44	35	23	<100	3	2	23	660	<2	5.44	0.6	5	<5	<5	108	<50	<30	37	6.0	7	<0.01	<0.05	<1	<0.5
RX 205731	20	<5	43	440	<1	2	110	270	<2	13.6	3.1	<1	<5	5	1460	320	72	1.0	6.6	8	<0.01	<0.05	<1	5.5
RX 205732	12	<5	<2	240	<1	6	18	140	<2	8.24	2.3	<1	<5	<5	2400	<50	<30	1.2	49	<5	<0.01	<0.05	<1	0.9
RX 205733	13	<5	<2	430	<1	1	<5	160	<2	0.74	1.8	<1	<5	<5	22800	<50	75	<0.2	1.1	<5	<0.01	<0.05	<1	3.9
RX 205734	10	<5	71	<100	<1	2	65	2100	<2	4.43	0.8	<1	<5	<5	6180	770	<30	3.0	49	<5	<0.01	<0.05	<1	<0.5
RX 205735	670	91	<2	<100	<1	3	500	100	<2	33.7	<0.5	2	<5	<5	218	170	<30	0.5	0.2	190	<0.01	<0.05	<1	<0.5
RX 205736	<5	<5	<2	<100	<1	35	11	12	<2	0.46	<0.5	<1	<5	<5	129	<50	<30	<0.2	0.2	<5	<0.01	<0.05	<1	<0.5
RX 205737	<5	<5	<2	450	<1	3	11	120	<2	2.97	4.4	<1	<5	<5	12500	<50	54	0.2	9.9	<5	<0.01	<0.05	<1	5.9
RX 205738	<5	<5	<2	<100	<1	5	37	170	<2	8.35	2.4	<1	<5	<5	16700	<50	<30	<0.2	17	<5	<0.01	<0.05	<1	2.5
RX 205739	<5	<5	<2	440	<1	4	19	100	3	4.31	3.2	<1	<5	<5	33000	<50	45	<0.2	20	<5	<0.01	<0.05	<1	5.0
RX 205740	<5	<5	<2	150	<1	5	30	160	<2	4.62	2.2	<1	<5	<5	16100	<50	<30	0.2	22	<5	<0.01	<0.05	<1	3.0
RX 205741	78	16	<2	<100	<1	7	250	79	<2	22.1	<0.5	<1	<5	<5	788	200	<30	0.6	2.2	32	<0.01	<0.05	<1	<0.5
RX 205742	5	<5	<2	760	<1	2	28	180	3	5.16	2.2	<1	<5	<5	28600	<50	68	<0.2	20	<5	<0.01	<0.05	<1	2.5
RX 205743	10	<5	<2	150	<1	5	28	280	4	10.2	2.8	<1	<5	<5	4760	<50	38	0.3	46	<5	<0.01	<0.05	<1	0.6
RX 205744	20	<5	<2	220	<1	2	9	130	<2	2.36	3.5	<1	<5	<5	42400	<50	<30	<0.2	4.8	<5	<0.01	<0.05	<1	4.2
RX 212672	97	9	57	140	5	<1	110	580	<2	11.6	<0.5	<1	<5	<5	222	<55	<30	8.6	0.9	35	<0.01	<0.05	<1	<0.5
RX 212673	7	<5	6	<100	<1	<1	16	280	<2	16.3	<0.5	<1	<5	<5	205	<50	<30	0.9	1.8	<5	<0.01	<0.05	<1	0.6
RX 212674	18	12	8	<100	3	<1	12	400	<2	0.68	<0.5	<1	<5	<5	192	<50	<30	0.2	0.4	<5	<0.01	<0.05	<1	<0.5
RX 212675	<5	<5	17	160	<1	<1	<5	220	<2	1.49	4.7	<1	<5	<5	3840	140	<30	1.9	11	<5	<0.01	<0.05	<1	4.8
RX 212676	15	<5	9	<100	<1	<1	89	280	<2	27.0	<0.5	<1	<5	<5	<100	230	<30	0.6	1.9	7	<0.01	<0.05	<1	0.6
RX 212677	5	<5	6	120	<1	4	14	150	<2	2.94	4.2	<1	<5	<5	43800	120	<30	0.6	11	<5	<0.01	<0.05	<1	2.8
RX 212678	5	<5	2	240	<1	<1	<5	93	<2	0.39	4.6	<1	<5	<5	948	140	57	1.4	3.1	<5	<0.01	<0.05	<1	16

INCO EXPLORATION - JULY 14 PROPERTY VISIT

Sample description	U PPM	W PPM	SN PPM	LA PPM	CR PPM	MO PPM	SH PPM	KU PPM	TR PPM	YS PPM	LU PPM	Mass g
RX 205726	<0.5	<4	210	5.0	14	9	2.3	1.0	0.6	2.1	0.35	1.717
RX 205727	0.8	<4	210	28.4	73	34	5.7	2.2	1.0	1.8	0.28	1.916
RX 205728	<0.5	<4	50	0.6	3	<5	<0.1	<0.2	<0.5	<0.2	<0.05	2.599
RX 205729	<0.5	<4	400	0.7	<3	<5	<0.1	<0.2	<0.5	<0.2	<0.05	1.796
RX 205730	<0.5	<4	28000	1.9	5	<5	0.5	0.3	<0.5	0.3	0.07	1.705
RX 205731	1.3	<4	450	15.2	42	20	3.5	1.1	<0.5	2.2	0.34	1.969
RX 205732	<0.5	<4	200	4.8	13	8	2.4	1.2	<0.5	3.0	0.50	1.712
RX 205733	2.1	<4	<50	6.6	14	6	0.9	0.2	<0.5	0.4	0.07	1.626
RX 205734	<0.5	<4	230	0.8	<3	<5	0.4	<0.2	<0.5	0.4	0.08	1.702
RX 205735	<0.5	<4	1100	0.6	<3	<5	0.1	<0.2	<0.5	0.8	0.12	2.166
RX 205736	<0.5	<4	<50	0.8	<3	<5	<0.1	<0.2	<0.5	<0.2	<0.05	1.425
RX 205737	1.3	<4	79	22.1	47	18	2.7	1.1	<0.5	1.5	0.25	1.680
RX 205738	<0.5	<4	140	5.7	14	6	1.4	0.6	<0.5	1.2	0.19	1.876
RX 205739	1.0	<4	130	11.0	24	10	1.7	0.8	<0.5	1.3	0.20	1.485
RX 205740	<0.5	<4	110	8.1	19	8	1.5	0.7	<0.5	0.9	0.15	1.641
RX 205741	<0.5	<4	370	3.1	7	<5	0.8	0.3	<0.5	0.9	0.17	2.157
RX 205742	0.8	<4	120	8.2	18	<5	1.1	0.6	<0.5	0.8	0.13	1.519
RX 205743	<0.5	<4	270	8.4	26	14	3.5	1.2	0.9	3.6	0.58	1.670
RX 205744	1.4	<4	140	8.9	19	7	1.2	0.6	<0.5	0.6	0.07	1.420
RX 212672	<0.5	<4	49000	0.7	<3	<5	0.2	<0.2	<0.5	0.2	0.08	1.408
RX 212673	<0.5	<4	230	2.0	6	<5	0.4	0.3	<0.5	0.4	0.07	1.780
RX 212674	<0.5	<4	<50	<0.5	<3	<5	<0.1	<0.2	<0.5	<0.2	<0.05	1.382
RX 212675	1.2	<4	77	32.9	74	31	4.7	1.6	0.8	2.2	0.32	1.411
RX 212676	<0.5	<4	290	3.8	10	<5	0.7	0.3	<0.5	0.5	0.07	2.009
RX 212677	<0.5	<4	78	17.2	45	27	5.2	1.7	0.8	1.6	0.23	1.622
RX 212678	3.7	<4	<50	50.5	95	32	3.9	0.8	0.6	1.8	0.31	1.620

INCO EXPLORATION - July 14 Property Visit

SAMPLE	NA2O	MGO	AL2O3	SiO2	P2O5	K2O	CAO	TiO2	CR2O3	MNO	FE2O3	RB	RB	SR	SR	Y	ZR	NB	BA	LOI	SUM	Y	ZR	NB
	%	%	%	%	%	%	%	%	%	%	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	PPM
RX 205726	2.35	6.31	12.60	52.00	0.08	0.23	10.60	0.656	0.03	0.23	13.70	4	17	90	90	13	44	14	84	1.20	100.4	18	65	6
RX 205727	0.02	2.33	7.03	52.70	0.15	-0.01	16.00	1.480	0.20	0.26	16.20	-2	14	40	12	-10	116	40	-60	4.20	99.6	18	111	25
RX 205729	0.20	0.28	0.85	90.70	0.02	0.12	0.47	0.037	0.26	0.04	3.94	6	-10	4	-10	-10	-10	155	106	1.50	98.6	-2	16	3
RX 205732	3.16	3.94	15.10	52.50	0.10	0.73	8.89	1.110	0.01	0.19	12.40	22	25	147	139	17	78	26	223	1.90	100.1	31	95	7
RX 205733	3.53	0.36	14.20	74.50	0.07	2.63	1.85	0.079	0.02	0.03	1.36	75	77	66	84	-10	36	21	565	1.40	100.1	8	40	0
RX 205734	0.97	2.43	5.78	76.70	0.02	0.27	3.96	0.207	0.31	0.11	6.87	12	-10	65	60	-10	42	-10	103	0.60	100.2	4	57	3
RX 205737	1.85	1.59	16.60	66.40	0.12	2.59	3.09	0.442	0.01	0.07	4.52	59	73	130	153	25	167	21	599	1.60	99.2	15	171	12
RX 205738	2.22	1.98	14.80	60.10	0.10	0.16	6.24	0.583	0.02	0.29	12.70	9	-10	158	132	10	91	23	105	0.15	99.4	9	101	5
RX 205739	4.62	1.40	16.70	60.80	0.13	1.18	5.10	0.803	-0.01	0.09	6.78	39	56	318	342	-10	126	-10	575	0.75	100.5	0	136	7
RX 205740	2.24	1.76	17.30	61.20	0.10	0.90	7.66	0.653	0.01	0.16	7.45	25	17	172	171	15	85	14	191	0.65	100.1	10	103	5
RX 205742	4.03	1.93	17.50	61.00	0.05	2.47	1.61	0.767	0.02	0.09	7.63	62	83	93	87	-10	73	15	906	1.30	98.7	0	84	5
RX 205743	0.56	4.51	15.30	53.30	0.13	1.36	6.38	1.160	0.03	0.57	16.00	40	42	47	42	-10	71	37	123	0.55	99.9	32	95	7
RX 205744	6.35	1.31	15.00	70.00	0.08	0.54	2.38	0.280	0.01	0.06	3.50	17	31	196	241	-10	126	16	279	0.55	100.1	7	140	7

INCO EXPLORATION - July 14 Property Vis.T.

B. REC



Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers
 5175 Timberlea Blvd., Mississauga,
 Ontario, Canada L4W 2S3
 PHONE: 416-624-2806

851 FIELD ST.
 THUNDER BAY, ON
 P7B 6B6

Project: 60301-50001
 Comments: ATTN: R.C. (BOB) BELL

Total Pages : 1
 Certificate Date: 25-JUL-93
 Invoice No. : 19317548
 P.O. Number :
 Account : GFV

CERTIFICATE OF ANALYSIS A9317548

SAMPLE	PREP CODE	Ag ppm	Co ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Zn ppm
RX205726	205 274	< 0.5	16	40	2.52	355	1	33	16	42
RX205727	205 274	2.0	42	237	6.78	785	< 1	521	14	54
RX205729	205 274	< 0.5	3	14	2.43	120	< 1	23	40	472
RX205732	205 274	< 0.5	8	53	4.03	485	< 1	12	2	52
RX205733	205 274	< 0.5	1	6	0.40	70	< 1	4	6	20
RX205734	205 274	< 0.5	45	122	2.37	335	1	348	14	40
RX205736	205 274	< 0.5	9	267	0.27	805	< 1	2	2	4
RX205737	205 274	< 0.5	11	12	2.66	270	< 1	23	< 2	50
RX205738	205 274	< 0.5	16	13	3.08	410	< 1	38	< 2	30
RX205739	205 274	< 0.5	17	5	2.79	105	< 1	42	< 2	58
RX205740	205 274	< 0.5	20	122	2.66	325	< 1	66	< 2	38
RX205742	205 274	< 0.5	24	2	3.95	140	< 1	66	< 2	20
RX205743	205 274	< 0.5	21	90	6.57	495	< 1	42	< 2	78
RX205744	205 274	< 0.5	7	16	1.40	85	< 1	21	< 2	64
RX212674	205 274	25.0	11	893	0.73	50	< 1	14	12	28
RX212675	205 274	< 0.5	2	8	0.60	245	< 1	6	18	8
RX212677	205 274	< 0.5	13	141	2.92	515	2	19	< 2	34
RX212678	205 274	< 0.5	1	4	0.11	30	< 1	2	4	4

CERTIFICATION:

Frank P. Smith



VIMEX LABS LTD.

Analytical Chemists • Geochemists • Registered Assayers
 5175 Timberlea Blvd., Mississauga,
 Ontario, Canada L4W 2S3
 PHONE: 416-624-2806

851 FIELD ST.
 THUNDER BAY, ON
 P7B 6B6

Project: 60301-50001
 Comments: ATTN: R.C. (BOB) BELL

Certificate Date: 04-AUG-93
 Invoice No. : 19317549
 P.O. Number :
 Account : GFV

CERTIFICATE OF ANALYSIS A9317549

SAMPLE	PREP CODE	Ag ppm	Co ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Zn ppm
RK205728	2081316	< 0.5	71	30	>15.00	15	9	73	38	38
RK205730	2081316	40.5	25	156	5.79	365	2	101	>10000	>10000
RK205731	2081316	1.0	118	297	15.00	310	2	250	64	478
RK205735	2081316	114.5	520	>10000	>15.00	250	2	161	58	1270
RK205741	2081316	18.5	237	>10000	>15.00	525	2	135	4	268
RK212672	2081316	10.5	118	>10000	12.00	235	6	46	56	>10000
RK212673	2081316	< 0.5	16	315	12.10	1300	< 1	18	32	250
RK212676	2081316	< 0.5	95	498	>15.00	1585	2	77	28	336

CERTIFICATION:

Grant B. ...



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
5175 Timberlea Blvd., Mississauga,
Ontario, Canada L4W 2S3
PHONE: 416-624-2806

o: INCO EXPLORATION & TECHNICAL SERVICES INC.

851 FIELD ST.
THUNDER BAY, ON
P7B 6B6

Project: 60301-50001
Comments: ATTN: R.C. (BOB) BELL

Page: 1 of 1
Total Pages: 1
Certificate Date: 09-AUG-93
Invoice No.: 19318541
P.O. Number:
Account: GFV

CERTIFICATE OF ANALYSIS

A9318541

SAMPLE	PREP CODE	Cu %	Pb %	Zn %						
RX205730	244	8.80	1.19	3.33						
RX205735	244	1.62								
RX205741	244									
RX212672		1.84		5.44						

CERTIFICATION:

Albina



INCO EXPLORATION AND TECHNICAL SERVICES INC.

TRAVERSE NUMBER
N.T.S. 42-1-7

PROJECT Muriel Lake Property Exam.
AREA Queen-Teslota Greenstone Belt

GEOLOGIST(S) ESD/ra/Des/DDV
DATE Oct. 14 1993

SAMPLE NUMBER	SAMPLE TYPE			SAMPLE LENGTH, WIDTH, AREA	LATITUDE, LONGITUDE and/or U.T.M.	SAMPLE DESCRIPTION Rock type, lithology, character of soil, stream silt, etc. Formation Mineralization, etc.	RESULTS (ppm. / % / cc. per ton)					
	RX Rock, Tailus	SX Stream Silt, Soil	Grab, Chip, Channel									
RX205763	Rock		Gulch		Outcrop 2	Plagioclase						
RX205764	Rock		Gulch		Outcrop 2	Plagioclase						
RX205765	Rock		Gulch		Main Road Mile 41	Metasediment with garnets; beds & layers look pulled apart? garnets in less sandy layers; look fragmental in places; garnets not deformed						
RX205766	Rock		Gulch		Eastern Crest Group	Gneissiferous pyroclastic (?) (Sample collected from horizon near E. divide of two AEM anomalies)						



ACCURASSAY LABS

A DIVISION OF ASSAY LABORATORY SERVICES INC.

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

Page 1

CHALLENGER MINERALS LTD.
R.R. #1, Site 4-23
Thunder Bay, Ontario
P7C 4T9

July 30, 1993

Job #934267

Parameter (%)	226035	226036	226037	223038	226039
SiO ₂	47.38	54.12	78.52	45.21	73.22
Al ₂ O ₃	15.24	12.03	13.04	12.63	1.99
Fe ₂ O ₃	16.51	9.68	1.12	16.61	9.83
MgO	5.19	8.53	0.33	1.72	0.87
CaO	9.87	9.81	1.76	7.90	6.66
Na ₂ O	2.94	3.28	2.67	0.26	0.04
K ₂ O	0.64	0.42	2.56	4.84	0.20
P ₂ O ₅	0.181	0.313	0.071	0.032	0.030
TiO ₂	1.378	0.827	0.036	0.607	0.044
MnO	0.177	0.142	0.023	0.130	0.058
BaO	0.032	0.016	0.048	0.070	0.005
Cr ₂ O ₃	0.037	0.091	0.008	0.581	0.039
SrO	0.033	0.059	0.052	0.082	0.009
LOI	2.3	1.8	1.2	8.8	6.4
Total	101.9	101.1	101.4	99.5	99.4

- 226035 - GALENA TRENCH - FOOTWALL TO MASSIVE SULPHIDES
- 226036 - GALENA TRENCH - FOOTWALL HBLD. GABBRO?
- 226037 - GALENA TRENCH - FOOTWALL SPOTTED RHYOLITE
- 226038 - GALENA TRENCH - CHERT WITH PYRITE
- 226039 - GALENA TRENCH - RECRYSTALLIZED QTZ. WITH CROSSCUTTING VEINLETS OF SPHALERITE & GALENA.



ACCURASSAY LABS

A DIVISION OF ASSAY LABORATORY SERVICES INC.

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

Page 1

CHALLENGER MINERALS LTD.
#4 138 South May St.
Thunder Bay, Ontario
P7E 1B3

July 29, 1993

Job #934267

	226035	226036	226037	226038	226039
Bi (ppm)	<3	<3	<3	5	13
V (ppm)	73	19	1	11	2
Ca (%)	0.56	0.50	0.17	0.16	1.28
P (%)	0.05	0.12	0.03	0.01	0.01
La (ppm)	5	28	6	1	1
Cr (ppm)	28	50	8	280	23
Mg (%)	0.63	0.46	0.07	0.21	0.04
Ba (ppm)	220	44	18	30	18
Ti (%)	0.11	0.07	0.01	0.13	0.01
Al (ppm)	1.05	0.47	0.22	0.24	0.07
Na (%)	0.10	0.05	0.01	0.02	0.03
Si (%)	0.01	<0.01	<0.01	<0.01	<0.01
W (ppm)	3	3	<2	7	16
Be (ppm)	<1	<1	<1	<1	<1
Mo (ppm)	1	1	1	6	5
Cu (ppm)	158	15	4	94	96
Pb (ppm)	7	4	3	1060	9813
Zn (ppm)	37	12	12	102	16530
Ag (ppm)	0.1	0.1	0.1	7.6	28
Ni (ppm)	47	25	2	180	113
Co (ppm)	26	5	<1	64	13
Mn (ppm)	212	91	46	189	254
Fe (%)	2.89	0.87	0.45	8.31	5.72
As (ppm)	8	5	3	59	29
Hg (ppm)	<1	<1	<1	4	6
Sr (ppm)	10	13	2	3	2
Cd (ppm)	<1	<1	<1	1	160
Sb (ppm)	<2	<2	<2	5	34

FALCON BRIDGE LTD.

MURIEL LAKE PROPERTY

WHOLE ROCK

SAMPLE RESULTS

X-RAY ASSAY LABORATORIES 16-SEP-93 REPORT ----- REF. 16095 PAGE 1

SAMPLE	HA20 %	HG0 %	AL203 %	SI02 %	P205 %	S PPM	K20 %	CA0 %	TI02 %	CR203 %	MNO %
	XRF-F	XRF-F	XRF-F	XRF-F	XRF-F	LECO	XRF-F	XRF-F	XRF-F	XRF-F	XRF-F
AI05832	2.30	6.22	14.0	50.1	.15	350	.64	10.5	1.21	.02	.21
AI05833	.05	.28	2.21	86.7	.02	4390	.22	4.02	.083	.04	.04
AI05834	3.11	2.84	18.5	53.7	.12	500	2.52	4.57	.783	<.01	.11
AI05835	<.01	.20	.20	19.4	.02	410	<.01	46.5	<.001	<.01	.26
AI05836	4.44	.30	13.7	71.8	.08	180	1.61	4.42	.030	<.01	.05
AI05837	2.66	.82	13.9	75.3	.08	190	2.49	1.60	.149	<.01	.07
AI05838	2.07	1.03	13.3	74.3	.09	180	2.42	2.06	.273	.01	.33
AI05839	1.86	1.72	16.4	62.3	.10	150	1.06	4.44	.633	.02	.20
AI05840	2.37	2.00	17.5	58.5	.17	360	.91	2.63	.824	.04	.21
AI05841	.08	35.5	1.23	35.6	.03	390	.02	.02	.157	1.80	.21
D AI05832	2.31	6.24	14.0	50.0	.15	400	.66	10.4	1.20	.02	.20

SAMPLE	FE203 %	CO PPM	NI PPM	CU PPM	ZN PPM	Y PPM	ZR PPM	LOI %	SM %
	XRF-F	ICP	ICP	ICP	ICP	XRF-F	XRF-F	XRF-F	XRF-F
AI05832	14.8	20	42	157	35.0	11	95	-.05	100.1
AI05833	4.38	11	31	54.0	95.0	<10	11	1.65	98.7
AI05834	7.31	28	58	66.0	43.0	<10	102	.90	99.2
AI05835	.64	16	22	17.0	7.0	<10	<10	33.3	100.5
AI05836	1.04	5	6	14.0	9.0	<10	37	2.40	99.9
AI05837	2.16	7	12	15.0	46.0	20	78	1.20	100.2
AI05838	3.25	10	19	26.0	38.0	<10	105	1.30	100.2
AI05839	13.0	25	59	24.0	45.0	14	105	.20	102.1
AI05840	14.9	20	46	57.0	16.0	17	197	.15	100.2
AI05841	12.2	102	2790	21.0	108	<10	<10	11.7	98.6
D AI05832	14.7	--	--	--	--	18	95	-.05	99.8

AN 05833 - VERY SILICEOUS FELSIC. ROCK OR SEDIMENT - 5-10% PY -

AN 05834 - FINE GRANED, DK. GRN VOLC. - 2% BITITE

AN 05835 - CARBONATE HORIZON (LIMESTONE)

AN 05836 - VERY SILICEOUS FELSIC ROCK OR GNEISS

AN 05837 - FELSIC VOLC.

AN 05838 - FELSIC VOLC. - 1% QRTZ ENDS

AN 05839 - GARNET SCHIST

AN 05840 - GARNET SCHIST

AN 05841 - FALCON BRIDGE STANDARD.



ACCURASSAY LABORATORIES

A DIVISION OF ASSAY LABORATORY SERVICES INC.

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

Page 1

November 2, 1993

Job #934445

FREEWEST RESOURCES LTD.
 800 Rene Levesque Boulevard West
 Suite 1525
 Montreal, Quebec
 H3B 1X9

Accurassay	Sample #	Customer	Zinc ppm	Silver ppm	Lead ppm	Copper ppm
		210225 Chert Zone	2.10%	31	1.17%	224
1		210226 West Zone	416	27	124	2.51%
2		210227 Main Zone	1460	190	7	16.22%
3		210228 "	350	59	7	5.38%
4		210229 "	246	163	2	12.35%
5						

Certified By: *Bob Beers*



ACCURASSAY LABORATORIES

A DIVISION OF ASSAY LABORATORY SERVICES INC.

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

Page 1

October 4, 1993

Job #934445

FREEWEST RESOURCES
800 Rene Levesque West
Suite 1525
Montreal, Quebec
H3B 1X9

Accurassay	Sample #	Customer	Gold ppb	Gold Oz/t
	1	210225	71	0.002
	2	210226	61	0.002
	3	210227	143	0.004
	4	210228	178	0.005
	5	210229	256	0.007
	5	210229 Check	234	0.007

*Gen for - Interim
Copy for Mike A.*

Certified By: *[Signature]*



Laboratoires Chemex Ltee.

Essayeurs • Geochimistes • Chimistes Analytique
175 Boul. Industriel C.P. 284, Rouyn,
Quebec, Canada J9X 5C3
PHONE: 819-797-1922

To: PLACER DOME INC.
EXPLORATION
P.O. BOX 670
SOUTH PORCUPINE, ON
PON 1H0
Project: 204
Comments: ATTN: TOM LEWIS

Page Number : 1
Total Pages : 1
Certificate Date: 02-DEC-93
Invoice No. : 19325506
P.O. Number :
Account : IFG

CERTIFICATE OF ANALYSIS A9325506

SAMPLE	PREP CODE	AU FA g/t	AG oz/T	CU %	PB %	Zn %				
E37021	208 274	0.27	3.44	0.03	3.60	1.90				
E37022	208 274	0.13	0.58	1.70	0.01	0.03				
E37023	208 274	0.20	1.90	5.30	< 0.01	0.04				

*1 m. chip massive py. chert - GARDIA TRACT
1 m. chip chert massive py. chert - KIMBLE TRACT
2m chip malapelite gneiss - ST. PERRY TRACT*

CERTIFIED *for Au & Ag* *for Au & Ag*

APPENDIX B

Thin Section Report: Inco Exploration

C93-1842

C93-1842

Report To: B. JAGO/B. BELL
Investigator: B. JAGO

Date Submitted: 01-SEP-1993

GR Project #:

ME Property #:

----- LOCATION -----
Property: ONTARIO/MURIEL LAKE PROPERTY
Country: CANADA NTS: 42-L-7 UTM:
Prov/Stat: ONTARIO Twp/Cnty:
Grid Name: Coord Code:
Grid: N/S E/W Elev Level:
Borehole: at Units: M

----- TREATMENT -----
Smpl Type:
Field #: TS:Y PS: PTS:Y HS: SEM: XRD: Other:
Sample #: RX 205732 WRA: BMs: PMs: XTr: NATr: REE: Other:

----- PETROGRAPHY -----

Rock Name: AMPHIBOLITE Abbreviation:

Alteratn: PROBABLY NONE AS THIS ROCK CAME FROM THE HANGINGWALL OF THE SHOWING
Metam Grd: AMPHIBOLITE
Protolith: REPORTEDLY AN ALTERED BASALT

Major Minerals:
Mode:

Trace Minerals:

Description:
THE HANDSPECIMEN IS A WEAKLY RUSTY WEATHERING, FINE GRAINED, PORPHYROBLASTIC AMPHIBOLITE WITH A POSSIBLE, SERICITIC ALTERATION SELVAGE ON ONE SIDE OF THE FRAGMENT. IN THIN SECTION, THE ROCK IS COMPOSED OF A STRONGLY FOLIATED, VERY FINE GRAINED ASSEMBLAGE COMPRISING QUARTZ, ACTINOLITE, EPIDIOTE, CARBONATE AND ALBITE. FOLIATED QUARTZ STRINGERS AND POSSIBLE RELIC QUARTZ-FILLED AMYGDULES ARE PRESENT. THE SAMPLE ALSO CONTAINS OVOID CLOTS OF RELATIVELY COARSE GRAINED ACTINOLITE AND QUARTZ +/- ALBITE (?). THESE CAN BE STRONGLY DEFORMED AND APPEAR TO HAVE BEEN ROLLED WITHIN THE FINER GRAINED MATRIX. IT IS NOT CLEAR IF THESE ARE RELIC PHENOCRYSTS, POLYPHASE AMYGDULE FILLINGS OR A STRONGLY BOUDINAGED AND FOLIATED VEIN ASSEMBLAGE.

C93-1843

C93-1843

Report To: B. JAGO/B. BELL
Investigator: B. JAGO

Date Submitted: 01-SEP-1993

GR Project #:

ME Property #:

----- LOCATION -----
Property: ONTARIO/MURIEL LAKE PROPERTY
Country: CANADA NTS: 42-L-7 UTM:
Prov/Stat: ONTARIO Twp/Cnty:
Grid Name: Coord Code:
Grid: N/S E/W Elev Level:
Borehole: at Units: M

----- TREATMENT -----
Smpl Type:
Field #: TS:Y PS: PTS: HS: SEM: XRD: Other:
Sample #: RX 205733 WRA: Bms: Pms: XTr: NATr: REE: Other:

----- PETROGRAPHY -----
Rock Name: CHERT/SILICEOUS FELSIC TUFF ? Abbreviation:
Alteratn: SILICIFICATION BUT NOT SILICA FLOODING
Metam Grd: AMPHIBOLITE
Protolith: AS ABOVE OR RHYOLITE ??

Major Minerals:
Mode:

Trace Minerals:

Description:

THE HANDSPECIMEN IS A VERY HARD, WEAKLY RUSTY WEATHERING SILICEOUS ROCK WITH 3-5 % DARK COLOURED CLOTS OF AN UNIDENTIFIABLE MINERAL. THE CUT SURFACE REVEALS A MOTTLED WHITE-DARK GREEN SURFACE WITH 2-3 MM LONG WHITE-COLOURED CLOTS THAT MAY BE EQUIVALENT TO THE CLOTS OBSERVED ON THE SAMPLE SURFACE. THE MOTTLED COLOUR OBVIOUSLY REFLECTS MINERALOGICAL DIFFERENCES IN THE SAMPLE BUT THESE CANNOT BE ASCERTAINED BY MACROSCOPIC OBSERVATION. IN THIN SECTION, THE SAMPLE IS DOMINATED BY VERY FINE GRAINED QUARTZ AND UNTWINNED PLAGIOCLASE (?); TRACE TO MINOR AMOUNTS OF MUSCOVITE, BIOTITE OR BROWN CHLORITE, MEDIUM GRAINED PORPHYROBLASTIC MUSCOVITE AND FE-RICH CHLORITE ALSO ARE PRESENT. THE SAMPLE ALSO CONTAINS ROUGHLY RECTANGULAR, IRREGULAR AND ROUGHLY, SUB-CIRCULAR DOMAINS COMPRISING RELATIVELY COARSE GRAINED QUARTZ AND MUSCOVITE +/- CHLORITE. THE ORIGIN OF THESE DOMAINS IS NOT CLEAR. THE RECTANGULAR NATURE OF SOME STRONGLY SUGGESTS THAT THEY ARE REPLACED FELDSPAR PHENOCRYSTS EITHER FROM A FLOW OR TUFF WHILE THE INTERCONNECTION OF SOME WITH QUARTZ +/- SERICITE VEINLETS SUGGESTS THAT THEY MAY BE DEFORMED ALTERATION STRINGERS OR FRACTURE FILLINGS WHOSE SHAPE HAS BEEN DICTATED BY THE LOCAL STRESS FIELD. THE WHOLE ROCK GEOCHEMISTRY SUGGESTS THAT THE ROCK IS RHYOLITIC ALTHOUGH THIS IS NOT TOTALLY SUPPORTED BY THE TRACE ELEMENT GEOCHEMICAL SIGNATURE.

C93-1844

C93-1844

Report To: B. JAGO/B. BELL
Investigator: B. JAGO

Date Submitted: 01-SEP-1993

GR Project #:

ME Property #:

----- LOCATION -----
Property: ONTARIO/MURIEL LAKE PROPERTY
Country: CANADA NTS: 42-L-7 UTM:
Prov/Stat: ONTARIO Twp/Cnty:
Grid Name: Coord Code:
Grid: N/S E/W Elev Level:
Borehole: at Units: M

----- TREATMENT -----
Smpl Type: GRAB
Field #: TS: PS: PTS:Y HS: SEM: XRD: Other:
Sample #: RX 205738 WRA: BMs: Pms: XTr: NATr: REE: Other:

----- PETROGRAPHY -----

Rock Name: LAM. MSED/VOLCANICLASTIC ?? Abbreviation:

Alteratn: NOT CHARACTERIZED
Metam Grd: AMPHIBOLITE
Protolith: LAM. SEDIMENT/VOLCANICLASTIC

Major Minerals:
Mode:

Trace Minerals:

Description:

THE HANDSPECIMEN IS A MINERALOGICALLY AND COMPOSITIONALLY LAMINATED PORPHYROBLASTIC GNEISS COMPRISING FINE GRAINED, GRANULAR SILICEOUS LAMINAE AND COARSE PORPHYROBLASTIC GARNET-BIOTITE-AMPHIBOLE (?) LAMINAE/BEDS. IN THIN SECTION, THE SILICEOUS BAND IS COMPOSED OF MAJOR FINE GRAINED GRANULAR QUARTZ AND LATH-SHAPED BIOTITE AND MINOR AMOUNTS OF BROWN CHLORITE AND OPAQUE MINERALS. THE COARSE PORPHYROBLASTIC PORTION OF THE SAMPLE IS COMPOSED OF FINE GRAINED GRANULAR QUARTZ AND ALBITE (?), COARSE PORPHYROBLASTIC ALMANDINE GARNET, MEDIUM GRAINED PORPHYROBLASTIC BIOTITE, CHLORITE, RARE ACTINOLITE AND RARE PORPHYROBLASTIC STAUROLITE AND A SECOND GENERATION OF COARSE PORPHYROBLASTIC FE-RICH CHLORITE WHICH RESEMBLES ACTINOLITE AND IS ORIENTED AT A HIGH ANGLE TO THE PRINCIPAL FOLIATION. BIOTITE-CHLORITE-RICH FOLIAE ARE FOLDED ABOUT TIGHT AXIAL PLANES. FINE GRAINED DOMAINS WITH ESSENTIALLY THE SAME MINERALOGY AS THE FINE GRAINED BAND IN THIS SAMPLE MAY REPRESENT RIP-UP CLASTS AND GIVE AN OBVIOUS TOP DIRECTION IF AN ORIENTED SAMPLE IS TAKEN.

C93-1845

C93-1845

Report To: B. JAGO/B. BELL
Investigator: B. JAGO

Date Submitted: 01-SEP-1993

GR Project #:

ME Property #:

----- LOCATION -----
Property: ONTARIO/MURIEL LAKE PROPERTY
Country: CANADA NTS: 42-L-7 UTM:
Prov/Stat: ONTARIO Twp/Cnty:
Grid Name: Coord Code:
Grid: N/S E/W Elev Level:
Borehole: at Units: M

----- TREATMENT -----
Smpl Type:
Field #: TS: PS: PTS:Y HS: SEM: XRD: Other:
Sample #: RX 205742 WRA: Bms: Pms: XTr: NATr: REE: Other:

----- PETROGRAPHY -----

Rock Name: PORPHYROBLASTIC GNEISS Abbreviation:

Alteratn: NOT CHARACTERIZED
Metam Grd: AMPHIBOLITE
Protolith: FE-MG-RICH CLASTIC/CHEM SEDS

Major Minerals:
Mode:

Trace Minerals:

Description:
THE HANDSPECIMEN IS A WEAKLY SULPHIDE-BEARING (0.5 % CHALCOPYRITE) GARNET-AMPHIBOLE-BIOTITE-CHLORITE (?) GNEISS. THE ROCK IS COMPOSED OF SINGLE GRAINS, MULTI-GRAIN AGGREGATES AND MONOMINERALIC LAMINAE OF BROWN-COLOURED ALMANDINE GARNET AND A FINE GRAINED, VERY HETEROGENOUS MATRIX COMPOSED OF FINE TO COARSE GRAINED BIOTITE, AMPHIBOLITE, CHLORITE AND GARNET. THE SAMPLE IS CROSS-CUT BY NARROW, 1-3 MM WIDE QUARTZ VEINS. THE ROCK MAY BE A FRAGMENTAL AS SUGGESTED BY GHOSTED OUTLINES OF INTERPRETED POLYMICHT FRAGMENTS. IN THIN SECTION, THE ROCK IS COMPOSED OF FINE TO MEDIUM GRAINED GRANULAR QUARTZ AND PLAGIOCLASE, FINE TO COARSE PORPHYROBLASTIC STRAW YELLOW TO BLUE-GREEN AMPHIBOLE (CUMMINGTONITE-GRUNERITE ?), COARSE POIKILOBLASTIC AND PORPHYROBLASTIC ALMANDINE GARNET AND VERY FINE GRAINED OPAQUES. THE POLYMICHT NATURE OF THE HANDSAMPLE MAY BE DUE TO IN-SITU BRECCIATION OF THE PROTOLITH AND SUBSEQUENT CEMENTATION BY QUARTZ-RICH FRACTURE FILLINGS PRIOR TO REGIONALLY METAMORPHISM.

APPENDIX C

**Drill Holes: Quebec Chibougamau (1955) and
Goldhar Res. (1950)**

HOLES DRILLED BY QUEBEC CHIEOUGAMAU GOLD FIELDS - 1955

Hole # 1 - 179 ft.

0 - 8 ft. overburden
8 - 11 ft. tuff
11 - 21 ft. Rhy.Bx + FeS₂
21 - 51 ft. tuff + 15% FeS₂
51 - 75 ft. Rhy.Bx + 20% FeS₂
75 - 101 ft. Rhy.Bx + 10% FeS₂
101 - 124 ft. tuff + Rhy.Bx - 45% FeS₂
124 - 126 ft. ZnS
126 - 135 ft. Rhy.Bx + 50% FeS₂
135 - 144 ft. tuff + 10% FeS₂
144 - 150 ft. Rhy.Bx
150 - 179 ft. Granite

Hole # 2 - 177 ft.

0 - 10 ft. overburden
10 - 27 ft. diorite
27 - 34 ft. tuff
34 - 39 ft. Qtz. vein
39 - 47 ft. granite
47 - 61 ft. diorite
61 - 72 ft. diorite
72 - 85 ft. diorite
85 - 100 ft. granite & diorite
100 - 136 ft. Rhy.Bx - 70% FeS₂
136 - 156 ft. Rhy.Bx - 55% FeS₂
156 - 177 ft. tuff

Hole # 3 - 199 ft.

0 - 10 ft. overburden
10 - 40 ft. granite
40 - 58 ft. Rhy.Bx - 60% FeS₂
58 - 70 ft. Rhy.Bx - 50% FeS₂
70 - 109 ft. tuff
109 - 134 ft. tuff - granite
134 - 160 ft. diorite
160 - 199 ft. diorite - diabase

Hole # 4 - 203 ft.

0 - 4 ft. overburden
4 - 23 ft. diabase
23 - 29 ft. tuff
29 - 60 ft. diorite - diabase
60 - 77 ft. granite
77 - 100 ft. granite
100 - 103 ft. cryst. limestone
103 - 140 ft. granite
140 - 142 ft. cryst. limestone
142 - 203 ft. diabase diorite

Hole # 5 - 205 ft.

0 - 7 ft. overburden
7 - 36 ft. diabase - diorite
36 - 55 ft. tuff - greenstone
55 - 74 ft. diorite
74 - 75 ft. cryst. limestone
75 - 153 ft. diorite - diabase
153 - 155 ft. cryst. limestone
155 - 205 ft. diabase

Hole # 6 - 801 ft.

0 - 10 ft. overburden
10 - 80 ft. diabase
80 - 207 ft. diorite
207 - 219 ft. Qtz. band (mineralized)
219 - 224 ft. Qtz. band
224 - 246 ft. greenstone
246 - 255 ft. diorite
255 - 340 ft. greenstone
340 - 347 ft. diorite
347 - 365 ft. greenstone
365 - 582 ft. diorite
582 - 605 ft. tuff
605 - 607 ft. Qtz.-carb. stringer
607 - 651 ft. tuff
651 - 660 ft. diorite
660 - 683 ft. schist
683 - 723 ft. tuff greenstone
723 - 801 ft. greenstone

minor chalcopyrite bands at 746 ft., 752 ft., 774 ft., 798 ft.

Hole # 7 - 502 ft.

0 - 10 ft. overburden
10 - 82 ft. greenstone
82 - 105 ft. greenstone (cherty)
105 - 128 ft. greenstone (cherty)
128 - 135 ft. chert
135 - 155 ft. granite (chlorite-carb.)
155 - 178 ft. granite - tuff
178 - 202 ft. diorite
202 - 220 ft. diorite - tuff
220 - 225 ft. Rhy. Bx - 40% Sulphides
225 - 249 ft. tuff - mineralized
249 - 298 ft. tuff - mineralized
298 - 342 ft. diorite
342 - 366 ft. tuff - granite (chloritic)
366 - 389 ft. diorite
389 - 404 ft. diorite
404 - 502 ft. tuff

Hole # 7 A - 227 ft.

0 - 10 ft. overburden
10 - 14 ft. chert
14 - 35 ft. greenstone
35 - 39 ft. chert
39 - 44 ft. granite
44 - 60 ft. chert Bx - some FeS₂
60 - 67 ft. chert
67 - 93 ft. greenstone
93 - 104 ft. chert greenstone
104 - 110 ft. Qtz. vein
110 - 120 ft. greenstone
120 - 132 ft. sheared chert-granite 10% mineralization
132 - 155 ft. granite
155 - 205 ft. diorite
205 - 227 ft. greenstone

Hole # 8 - 425 ft.

0 - 21 ft. overburden
21 - 35 ft. granite
35 - 43 ft. greenstone
43 - 123 ft. diorite
123 - 165 ft. greenstone - 10% mineralization
165 - 200 ft. tuff
200 - 205 ft. pyrrhotite stringer
205 - 233 ft. tuff
233 - 243 ft. dyke
243 - 297 ft. tuff
297 - 425 ft. diorite

Hole # 9 - 702 ft.

0 - 20 ft. overburden
20 - 33 ft. greenstone
33 - 38 ft. granite dyke
38 - 122 ft. greenstone
122 - 168 ft. diorite
168 - 198 ft. greenstone
198 - 220 ft. diorite
220 - 230 ft. greenstone
230 - 233 ft. grey granite
233 - 277 ft. greenstone
277 - 458 ft. diorite
458 - 467 ft. ortho granite
467 - 495 ft. diorite
495 - 510 ft. greenstone
510 - 512 ft. greenstone (po & cp)
512 - 532 ft. greenstone
532 - 538 ft. chert
538 - 542 ft. greenstone
542 - 562 ft. chert
562 - 585 ft. tuff
585 - 619 ft. diorite
619 - 702 ft. greenstone

Hole # 10 - 225 ft.

Location unknown

0 - 4 ft. overburden
4 - 54 ft. diorite
54 - 74 ft. granite - tuff
74 - 111 ft. tuff (mineralized)
111 - 143 ft. diorite
143 - 148 ft. tuff
148 - 170 ft. tuff - greenstone
170 - 225 ft. tuff - greenstone (mineralized)

Hole # 11 - 402 ft.

Location unknown

0 - 7 ft. overburden
7 - 31 ft. diorite - tuff
31 - 110 ft. tuff
110 - 125 ft. Qtz. vein
125 - 146 ft. diorite
146 - 155 ft. tuff
155 - 232 ft. diorite
232 - 302 ft. greenstone (mineralized at 290 ft.)
302 - 337 ft. diorite
337 - 341 ft. greenstone
341 - 402 ft. tuff - greenstone

Hole # 12 - 112 ft.

abandoned in overburden.

Hole 1. - 4763

(a) Due North
Dip 50 degrees
Length 136'

(b) No overburden
Core-log
0-60 - Tuff
60-77 - Rhyolite
77-135 - Tuff
No faulting

(c) Logged by Wm. Hanson - Box 943, Kirkland Lake, Ont.
On the site.

Hole 2. - KK4763

(a) Due North
Dip 45 degrees
Length 135

(b) No overburden
Core-log
0.0-55 - Tuff
55.0-73 - Rhyolite
730-135 - Tuff
No evidence of faulting

(c) Logged by Wm. Hanson - Box 943, Kirkland Lake, Ont.
On the site.

Hole 3. - KK 4763

- (a) Due North
Dip 45 degrees
Length 120'
- (b) No overburden
Core-log
00 - 59.0 - Tuff
59.0 - 78.0 - Rhyolite
78.0 - 120 - Tuff
No faulting
- (c) Logged by Wm. Hanson - Box 943, Kirkland Lake, Ont.
On the site.

Hole 4. - KK 4763

- (a) Due North
Dip 45 degrees
Length 135'
- (b) No overburden
Core-log
0.0 - 60.0 - Tuff
60.0 - 78.0 - Rhyolite
78.0 - 135.0 - Tuff
No faulting
- (c) Logged by Wm. Hanson - Box 943, Kirkland Lake, Ont.
On the site.

Hole 5. - KK 4763

- (a) Due North
Dip 45 degrees
Length 120'
- (b) No overburden
Core-log
0.0 - 58.0
58.0 - 60.0
60.0 - 120
No faulting
- (c) Logged by Wm. Hanson - Box 943, Kirkland Lake, Ont.
On the site.

Hole 6. - KK 4764

- (a) Due North
Dip 50 degrees
Length 90'
- (b) No overburden
Core-log
0.0-48.0 - Tuff
48.0-62.0 - Rhyolite
62.0-90.0 - Tuff
No evidence of faulting
- (c) Logged by Wm. Hanson - Box 943, Kirkland Lake, Ont.
On the site.

Hole 7. - 4754

(a) Due North
Dip 45 degrees
Length 85'

(b) No overburden
Core-log
0.0 - 44.5
44.5-58.5
58.5 - 85'
No faulting in evidence

(c) Logged by Wm. Hanson - Box 943, Kirkland Lake, Ont.
On the site.

53'

52'

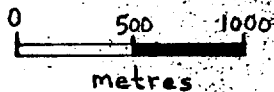
51'

50'

49'



Walkup



GOLDHAR RES. DRILL HOLES 1950

Reported
no ground

7359	7354	7353
7358	7355	7352
7357	7356	7351

KK	KK	KK	KK	KK	KK
8020	8019	8018	8017	8465	8466
KK	KK	KK	KK	KK	KK
8016	8015	8014	8013	8456	8457
KK	KK	KK	KK	8459	8460
				KK	KK
8011	8010	8009	8012	8462	846

8029	8028	8025	8024	8021	KK	KK	7274	7273	7270	7269	7268	7267	7266	7265	7264	7263	7262	7261	7592	7599	7600	
8088	8087	8027	8026	8023	8022	7472	7473	7474	9851	9852	9856	9857	9853	7594	7597	7584						
8085	8086	IKK	IKK	IKK	IKK	IKK	IKK	IKK	IKK	IKK	IKK	IKK	IKK	IKK	IKK	IKK	IKK	IKK	IKK	IKK	IKK	IKK
8082	8081	7367	7368	7372	7373	6956	7469	7470	7471	9854	9857	9853	7595	7596	7585							
7915	7910	7366	7376	7375	6958	6957	7466	7467	7468	9855	9858	9859	7909	7908	7907							
7914	7911	7360	7377	7375	6959	6960	6961	6962	6963	6964	7898	7897	7896	7529	7530	7531						
7913	7912	7361	7362	7363	7364	7365	7369	7370	7371	8204	8202	8201	8205	8206	8215							
7985	7986	7989	7988	7930	7929	7928	7927	7926	8207	8208	8209	8210	8211	8212	8213	8214						
7990	7989	7988	7931	7932	7933	7339	7338	7333	7348	7347	7342											
			7340	7337	7334	7349	7346	7343														
			7341	7336	7335	7350	7345	7344														

QUEBEC CHIBOUGAMAU DRILL HOLES 1955

KK	KK	KK	KK
7324	7320	7316	7315
KK	KK	KK	KK
7327	7319	7318	7317



42L07NW0018 2.15380 MAUN LAKE

Transaction Number
W9440-071

900

MINING LANDS

Personal information collected on this form is obtained under the authority of the Mining Act. This information will be used for correspondence. Questions about this collection should be directed to the Provincial Manager, Mining Lands, Ministry of Northern Development and Mines, Fourth Floor, 159 Cedar Street, Sudbury, Ontario, P3E 6A5, telephone (705) 670-7264.

2.15380

- Instructions:**
- Please type or print and submit in duplicate.
 - Refer to the Mining Act and Regulations for requirements of filing assessment work or consult the Mining Recorder.
 - A separate copy of this form must be completed for each Work Group.
 - Technical reports and maps must accompany this form in duplicate.
 - A sketch, showing the claims the work is assigned to, must accompany this form.

Recorded Holder(s) <i>James Barnett Clark, Pierre Gagne, Aubrey J. Eveleigh</i>		Client No. 118570, 134280, 130266
Address <i>103-79 N. Court St. Thunder Bay P7A 4B7</i>		Telephone No. 807-345-2446
Mining Division <i>Thunder Bay</i>	Township/Area <i>Maun Lake</i>	M or G Plan No. G-319
Dates Work Performed From: <i>June 1 1992</i>		To: <i>Oct. 3 1993</i>

Work Performed (Check One Work Group Only)

Work Group	Type
<input type="checkbox"/> Geotechnical Survey	<i>Geological.</i>
<input type="checkbox"/> Physical Work, Including Drilling	
<input type="checkbox"/> Rehabilitation	
<input type="checkbox"/> Other Authorized Work	
<input type="checkbox"/> Assays	
<input type="checkbox"/> Assignment from Reserve	

J 28/94
RECEIVED
APR 05 1994
MINING LANDS BRANCH

Total Assessment Work Claimed on the Attached Statement of Costs \$ 5573.-

Note: The Minister may reject for assessment work credit all or part of the assessment work submitted if the recorded holder cannot verify expenditures claimed in the statement of costs within 30 days of a request for verification.

Persons and Survey Company Who Performed the Work (Give Name and Address of Author of Report)

Name	Address
<i>J. B. Clark</i>	
<i>A. J. Eveleigh</i>	<i>As Above</i>

(attach a schedule if necessary)

Certification of Beneficial Interest * See Note No. 1 on reverse side

I certify that at the time the work was performed, the claims covered in this work report were recorded in the current holder's name or held under a beneficial interest by the current recorded holder.	Date <i>Feb 28/94</i>	Recorded Holder or Agent (Signature) <i>[Signature]</i>
----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--------------------------	------------------------------------------------------------

Certification of Work Report

I certify that I have a personal knowledge of the facts set forth in this Work report, having performed the work or witnessed same during and/or after

Name and Address of Person Certifying <i>J. B. Clark Same As Above</i>		
Telephone No. <i>345-2446</i>	Date <i>Feb 28/94</i>	Certified By (Signature) <i>[Signature]</i>

For Office Use Only

Total Value Cr. Recorded <i>\$5573</i>	Date Recorded <i>May 30/94</i>	Mining Recorder <i>[Signature]</i>	RECEIVED THUNDER BAY MINING DIVISION FEB 28 PM 12 88 94
	Deemed Approval Date	Date Approved	
	Date Notice of Amendments Sent		

Statement of Costs for Assessment Credit

État des coûts aux fins du crédit d'évaluation

Mining Act/Loi sur les mines

Transaction No./N° de transaction

Personal information collected on this form is obtained under the authority of the Mining Act. This information will be used to maintain a record and ongoing status of the mining claim(s). Questions about this collection should be directed to the Provincial Manager, Minings Lands, Ministry of Northern Development and Mines, 4th Floor, 159 Cedar Street, Sudbury, Ontario P3E 6A5, telephone (705) 670-7264.

Les renseignements personnels contenus dans la présente formule sont recueillis en vertu de la Loi sur les mines et serviront à tenir à jour un registre des concessions minières. Adresser toute question sur la collecte de ces renseignements au chef provincial des terrains miniers, ministère du Développement du Nord et des Mines, 159, rue Cedar, 4^e étage, Sudbury (Ontario) P3E 6A5, téléphone (705) 670-7264.

1. Direct Costs/Coûts directs

Type	Description	Amount Montant	Totals Total global
Wages Salaires	Labour Main-d'oeuvre	3200	
	Field Supervision Supervision sur le terrain	650	3850
Contractor's and Consultant's Fees Droits de l'entrepreneur et de l'expert-conseil	Type		
	Assays.	669.-	669.-
Supplies Used Fournitures utilisées	Type		
	Flagging/Logs.	125.-	125.-
Equipment Rental Location de matériel	Type		
Total Direct Costs Total des coûts directs			4644

2. Indirect Costs/Coûts indirects

** Note: When claiming Rehabilitation work Indirect costs are not allowable as assessment work. Pour le remboursement des travaux de réhabilitation, les coûts indirects ne sont pas admissibles en tant que travaux d'évaluation.

Type	Description	Amount Montant	Totals Total global
Transportation Transport	Type		
	2800 km @ 30¢	840	840
Food and Lodging Nourriture et hébergement	100/day/for 8 days.	800	800
Mobilization and Demobilization Mobilisation et démoblisation			
Sub Total of Indirect Costs Total partiel des coûts indirects			1650
Amount Allowable (not greater than 20% of Direct Costs) Montant admissible (n'excédant pas 20 % des coûts directs)			929.
Total Value of Assessment Credit (Total of Direct and Allowable indirect costs) Valeur totale du crédit d'évaluation (Total des coûts directs et indirects admissibles)			5573

Note: The recorded holder will be required to verify expenditures claimed in this statement of costs within 30 days of a request for verification. If verification is not made, the Minister may reject for assessment work all or part of the assessment work submitted.

Note : Le titulaire enregistré sera tenu de vérifier les dépenses demandées dans le présent état des coûts dans les 30 jours suivant une demande à cet effet. Si la vérification n'est pas effectuée, le ministre peut rejeter tout ou une partie des travaux d'évaluation présentés.

Filing Discounts

1. Work filed within two years of completion is claimed at 100% of the above Total Value of Assessment Credit.
2. Work filed three, four or five years after completion is claimed at 50% of the above Total Value of Assessment Credit. See calculations below:

Total Value of Assessment Credit	Total Assessment Claimed
	× 0.50 =

Remises pour dépôt

1. Les travaux déposés dans les deux ans suivant leur achèvement sont remboursés à 100 % de la valeur totale susmentionnée du crédit d'évaluation.
2. Les travaux déposés trois, quatre ou cinq ans après leur achèvement sont remboursés à 50 % de la valeur totale du crédit d'évaluation susmentionné. Voir les calculs ci-dessous.

Valeur totale du crédit d'évaluation	Evaluation totale demandée
	× 0,50 =

Certification verifying Statement of Costs

I hereby certify: that the amounts shown are as accurate as possible and these costs were incurred while conducting assessment work on the lands shown on the accompanying Report of Work form.

that as (Recorded Holder, Agent, Position in Company) I am authorized

to make this certification

Attestation de l'état des coûts

J'atteste par la présente : que les montants indiqués sont le plus exact possible et que ces dépenses ont été engagées pour effectuer les travaux d'évaluation sur les terrains indiqués dans la formule de rapport de travail ci-joint.

Et qu'à titre de (titulaire enregistré, représentant, poste occupé dans la compagnie) je suis autorisé

à faire cette attestation.

Signature [Signature] Date Feb 28/94



Report of Work Conducted After Recording Claim

Mining Act

Transaction Number
W9440-73

MINING LANDS

Personal information collected on this form is obtained under the authority of the Mining Act. This information will be used for correspondence. Questions about this collection should be directed to the Provincial Manager, Mining Lands, Ministry of Northern Development and Mines, Fourth Floor, 150 Cedar Street, Sudbury, Ontario, P3E 8A5, telephone (705) 870-7284.

2. 15380

- Instructions:**
- Please type or print and submit in duplicate.
 - Refer to the Mining Act and Regulations for requirements of filing assessment work or consult the Mining Recorder.
 - A separate copy of this form must be completed for each Work Group.
 - Technical reports and maps must accompany this form in duplicate.
 - A sketch, showing the claims the work is assigned to, must accompany this form.

Recorded Holder(s) <i>James Garnet Clark, Pierre Gagne, Aubrey Eveleigh</i>		Client No. <i>118570 134280 130266</i>
Address <i>103-79N. Court St. Thunder Bay P7A 4T7</i>		Telephone No. <i>807-345-2446</i>
Mining Division <i>Thunder Bay</i>	Township/Area <i>Maun Lake</i>	M or G Plan No. <i>G-819</i>
Dates Work Performed From: <i>Jan 6/1992</i>	To: <i>Q Nov-20/1993</i>	

Work Performed (Check One Work Group Only)

Work Group	Type
<input checked="" type="checkbox"/> Geotechnical Survey	<i>Geology</i>
<input type="checkbox"/> Physical Work, Including Drilling	
<input type="checkbox"/> Rehabilitation	
<input type="checkbox"/> Other Authorized Work	
<input type="checkbox"/> Assays	
<input type="checkbox"/> Assignment from Reserve	

Total Assessment Work Claimed on the Attached Statement of Costs \$ *61,430*

Note: The Minister may reject for assessment work credit all or part of the assessment work submitted if the recorded holder cannot verify expenditures claimed in the statement of costs within 30 days of a request for verification.

Persons and Survey Company Who Performed the Work (Give Name and Address of Author of Report)

Name	Address
<i>Aubrey J. Eveleigh</i>	<i>Same As Above</i>

(attach a schedule if necessary) * *See W9440-71 for report + maps*

Certification of Beneficial Interest - See Note No. 1 on reverse side

I certify that at the time the work was performed, the claims covered in this work report were recorded in the current holder's name or held under a beneficial interest by the current recorded holder.	Date <i>Feb 28/94</i>	Recorded Holder or Agent (Signature) <i>[Signature]</i>
----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--------------------------	------------------------------------------------------------

Certification of Work Report

I certify that I have a personal knowledge of the facts set forth in this Work report, having performed the work or witnessed same, and its completion and annexed report is true.		
Name and Address of Person Certifying <i>J.G. Clark, Same as Above</i>		
Telephone No. <i>345-2446</i>	Date <i>Feb 28/94</i>	Certified By (Signature) <i>[Signature]</i>

For Office Use Only

Total Value Cr. Recorded \$ 61,430	Date Recorded	Mining Recorder <i>H. G. Wainwright</i>	RECEIVED THUNDER BAY MINING DIVISION 94 FEB 28 PM 12 38
	Deemed Approval Date <i>May 30/94</i>	Date Approved	
	Date Notice of Amendments Sent		

Work Report Number for Applying Reserve	Claim Number (see Note 2)	Number of Claim Units	Value of Assessment Work Done on this Claim	Value Applied to this Claim	Value Assigned from this Claim	Reserve: Work to be Claimed at a Future Date
	1183794	12	6,143	7068		
	1183795	16	6,143	17,800		
	1183796	12	6,143	9600		
	1183797	15	33787	6000	16,225	11,862
	1183798	212	6,143	9600		
	1197106	6	3,071	4800		
Total Number of Claims			51,430	49,868	16,225	11,862
Total Value Work Done						
Total Value Work Applied						
Total Assigned From						
Total Reserve						

Credits you are claiming in this report may be cut back. In order to minimize the adverse effects of such deletions, please indicate from which claims you wish to prioritize the deletion of credits. Please mark (✓) one of the following:

- Credits are to be cut back starting with the claim listed last, working backwards.
- Credits are to be cut back equally over all claims contained in this report of work.
- Credits are to be cut back as prioritized on the attached appendix.

In the event that you have not specified your choice of priority, option one will be implemented.

Note 1: Examples of beneficial interest are unrecorded transfers, option agreements, memorandum of agreements, etc., with respect to the mining claims.

Note 2: If work has been performed on patented or leased land, please complete the following:

I certify that the recorded holder had a beneficial interest in the patented or leased land at the time the work was performed.	Signature	Date
---------------------------------------------------------------------------------------------------------------------------------	-----------	------



Ministry of
Northern Development
and Mines

Ministère du
Développement du Nord
et des mines

Statement of Costs
for Assessment Credit

État des coûts aux fins
du crédit d'évaluation

Mining Act/Loi sur les mines

Transaction No./N° de transaction

W9440-73

Personal information collected on this form is obtained under the authority of the Mining Act. This information will be used to maintain a record and ongoing status of the mining claim(s). Questions about this collection should be directed to the Provincial Manager, Minings Lands, Ministry of Northern Development and Mines, 4th Floor, 159 Cedar Street, Sudbury, Ontario P3E 6A5, telephone (705) 670-7264.

Les renseignements personnels contenus dans la présente formule sont recueillis en vertu de la Loi sur les mines et serviront à tenir à jour un registre des concessions minières. Adresser toute question sur la collecte de ces renseignements au chef provincial des terrains miniers, ministère du Développement du Nord et des Mines, 159, rue Cedar, 4^e étage, Sudbury (Ontario) P3E 6A5, téléphone (705) 670-7264.

1. Direct Costs/Coûts directs

Type	Description	Amount Montant	Totals Total global
Wages Salaires	Labour Main-d'oeuvre	40,200	
	Field Supervision Supervision sur le terrain	3,000	43,200
Contractor's and Consultant's Fees Droits de l'entrepreneur et de l'expert- conseil	Type Assays, Analysis and Thin Sections	6770	
			6770
Supplies Used Fournitures utilisées	Type Flag, bags, paint, stationery	675.	
			675.-
Equipment Rental Location de matériel	Type 4 wheeler	600.-	
	Canoe	60.-	
Total Direct Costs Total des coûts directs			51,305

2. Indirect Costs/Coûts indirects

** Note: When claiming Rehabilitation work Indirect costs are not allowable as assessment work.
Pour le remboursement des travaux de réhabilitation, les coûts indirects ne sont pas admissibles en tant que travaux d'évaluation.

Type	Description	Amount Montant	Totals Total global
Transportation Transport	Type Truck		
	10,000km @ 30¢	3000	
Food and Lodging Nourriture et hébergement	125/day Fo - 2 men @ 57 days.		
			7125
Mobilization and Demobilization Mobilisation et démobilisation			
Sub Total of Indirect Costs Total partiel des coûts indirects			10,125
Amount Allowable (not greater than 20% of Direct Costs) Montant admissible (n'excédant pas 20 % des coûts directs)			10,125
Total Value of Assessment Credit (Total of Direct and Allowable indirect costs)			61,430
Valeur totale du crédit d'évaluation (Total des coûts directs et indirects admissibles)			

Note: The recorded holder will be required to verify expenditures claimed in this statement of costs within 30 days of a request for verification. If verification is not made, the Minister may reject for assessment work all or part of the assessment work submitted.

Note: Le titulaire enregistré sera tenu de vérifier les dépenses demandées dans le présent état des coûts dans les 30 jours suivant une demande à cet effet. Si la vérification n'est pas effectuée, le ministre peut rejeter tout ou une partie des travaux d'évaluation présentés.

Filing Discounts

- Work filed within two years of completion is claimed at 100% of the above Total Value of Assessment Credit.
- Work filed three, four or five years after completion is claimed at 50% of the above Total Value of Assessment Credit. See calculations below:

Total Value of Assessment Credit	Total Assessment Claimed
	x 0.50 =

Remises pour dépôt

- Les travaux déposés dans les deux ans suivant leur achèvement sont remboursés à 100 % de la valeur totale susmentionnée du crédit d'évaluation.
- Les travaux déposés trois, quatre ou cinq ans après leur achèvement sont remboursés à 50 % de la valeur totale du crédit d'évaluation susmentionné. Voir les calculs ci-dessous.

Valeur totale du crédit d'évaluation	Evaluation totale demandée
	x 0,50 =

Certification Verifying Statement of Costs

I hereby certify:
that the amounts shown are as accurate as possible and these costs were incurred while conducting assessment work on the lands shown on the accompanying Report of Work form.

that as _____ I am authorized
(Recorded Holder, Agent, Position in Company)

to make this certification

Attestation de l'état des coûts

J'atteste par la présente :
que les montants indiqués sont le plus exact possible et que ces dépenses ont été engagées pour effectuer les travaux d'évaluation sur les terrains indiqués dans la formule de rapport de travail ci-joint.

Et qu'à titre de _____ je suis autorisé
(titulaire enregistré, représentant, poste occupé dans la compagnie)

à faire cette attestation.

Signature _____ Date
Feb 28/94

Note: Dans cette formule, lorsqu'il s'agit de dépenses des personnes, le masculin est utilisé au sens neutre.



Ontario

Ministry of
Northern Development
and Mines

Ministère du
Développement du Nord
et des Mines

~~Geoscience Approvals Section~~
933 Ramsey Lake Road
6th Floor
Sudbury, Ontario
P3E 6B5

Telephone: (705) 670-5853
Fax: (705) 670-5863

May 27, 1994

Our File: 2.15380
Transaction #: W9440.0071
.0073

Mr. Mike Wiermier
Mining Recorder
Ministry of Northern
Development and Mines
435 James Street South
Suite B003
Thunder Bay, Ontario
P7E 6E3

Dear Sir:

**Subject: APPROVAL OF ASSESSMENT WORK CREDITS ON MINING CLAIMS
TB.1183799 ET AL IN MAUN LAKE AREA**

The deficiencies in the original submission have been rectified.

The assessment work credits for Geology, Section 12 of the Mining Act Regulations have been approved as outlined on the original submission.

The approval date is May 26, 1994.

If you have any questions regarding this correspondence, please contact Lucille Jerome at (705) 670-5855.

Yours sincerely,

Ron C. Gashinski
Senior Manager, Mining Lands Section
Mining and Land Management Branch
Mines and Minerals Division

LJ LJ/lb

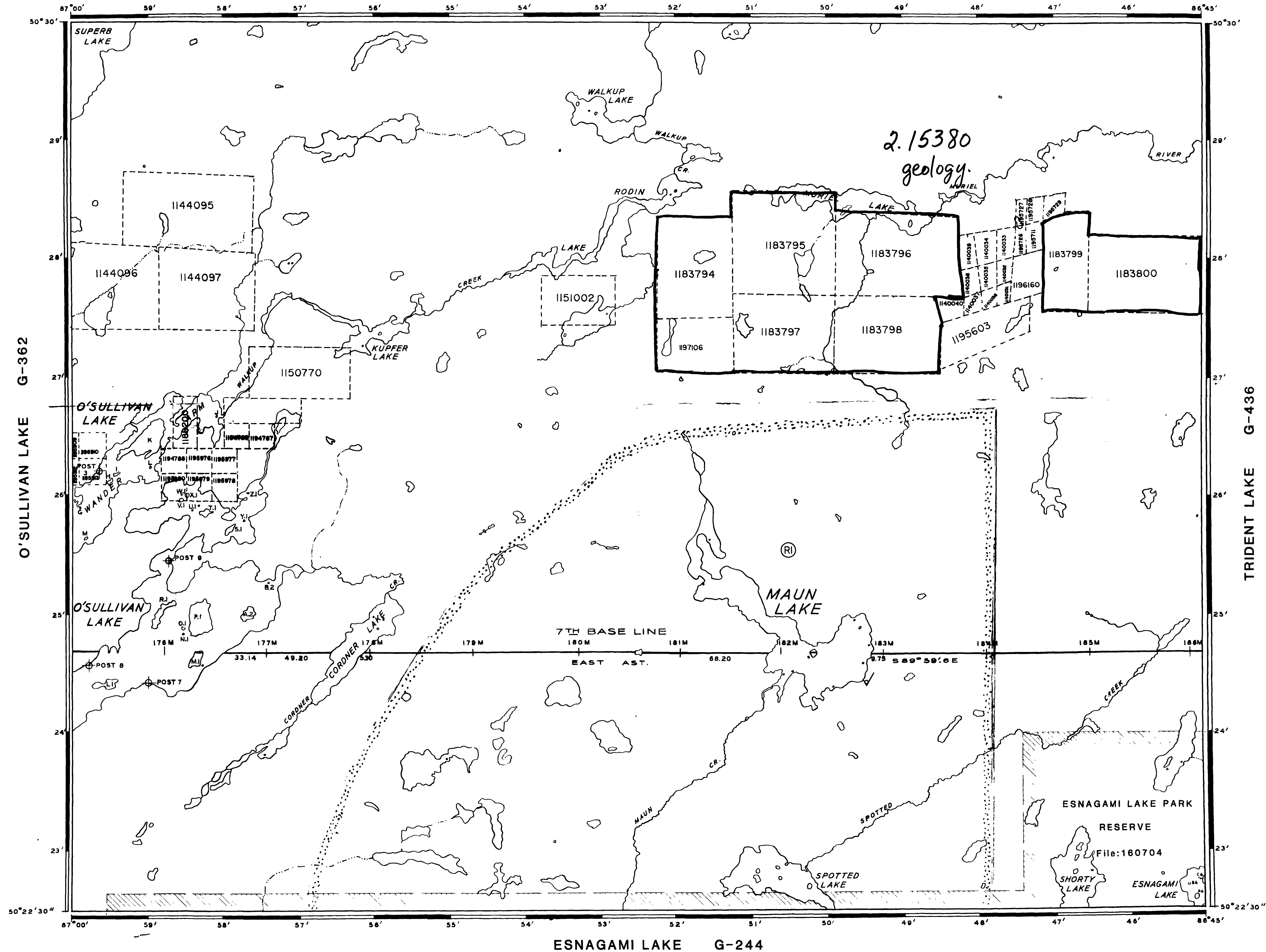
cc: Resident Geologist
Thunder Bay, Ontario

✓ Assessment Files Library
Sudbury, Ontario

REFERENCES

MINING & SURFACE RIGHTS WITHDRAWN FROM STAKING
ORDER WTB 14/81 18/08/79
PROPOSED NATIVE RESERVE

TERRIER LAKE G-429



REFERENCES

LEGEND

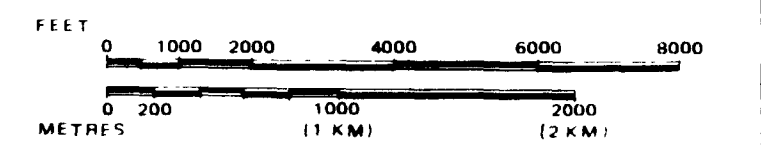
- HIGHWAY AND ROUTE No.
- OTHER ROADS
- TRAILS
- SURVEYED LINES
- TOWNSHIPS, BASE LINES, ETC.
- LOTS, MINING CLAIMS, PARCELS, ETC.
- UNSURVEYED LINES
- LOT LINES
- PARCEL BOUNDARY
- MINING CLAIMS ETC.
- RAILWAY AND RIGHT OF WAY
- UTILITY LINES
- NON-PERENNIAL STREAM
- FLOODING OR FLOODING RIGHTS
- SUBDIVISION 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 PERMIT FOR COMMERCIAL TOURISM, OUTPOST CAMPS	

NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 6, 1912, VESTED IN ORIGINAL PATENTEES BY THE PUBLIC LANDS ACT, R.S.O. 1970 CHAP. 380, SEC. 63 SUBSEC. 1

SCALE 1 INCH = 40 CHAINS



AREA
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

Date JULY, 1981

Number

G-319

504884

In service Apr. 15/93.

NOTICE:
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.



42L07W0018 2 15380 MAUN LAKE

MURIEL LAKE



LEGEND

□ TOWN PLATS

--- FENCE

--- ROAD

--- RAILROAD

--- POWER LINE

○ WELL

○ SPRING

○ CISTERN

○ TOWER

○ LIGHT

○ SIGN

○ MARKER

○ MONUMENT

○ BOUNDARY

○ CORNER

○ CENTER

○ POINT

2. 15380

WELL

ROAD

COMPLICATION

POINT

MARKER

1183794

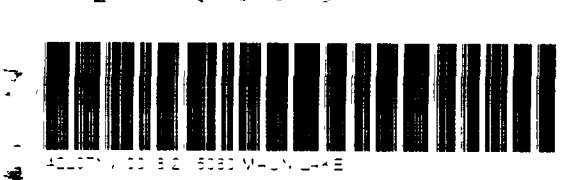
1183795

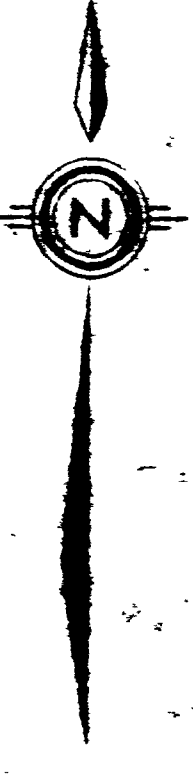
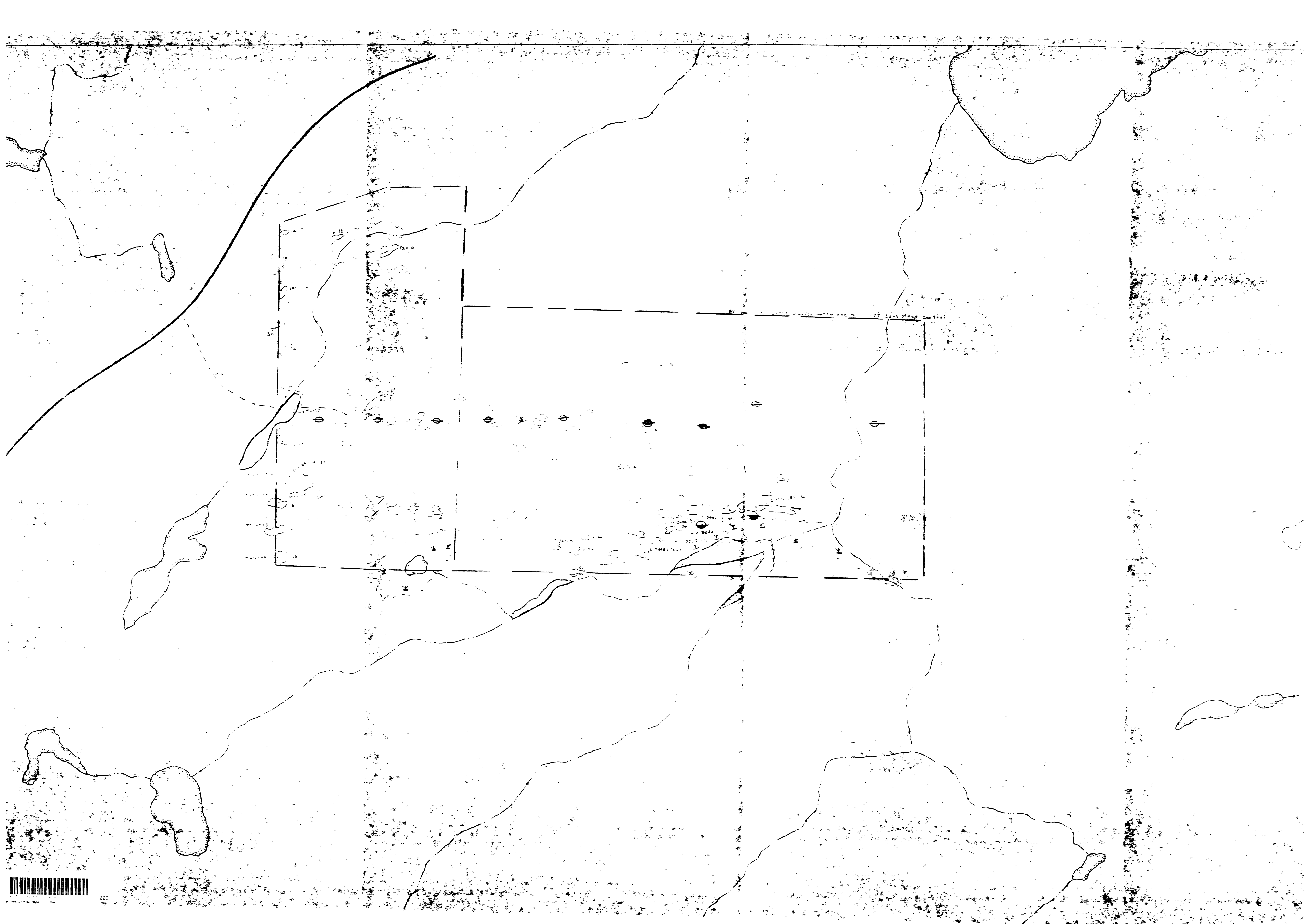
1183796

1197106

1183798

Kimberly Clark Rd
Alameda Blvd Rd



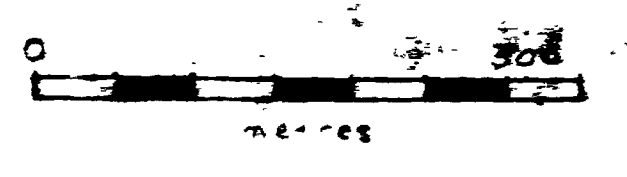


LEGEND

- 1. Main structure
- 2. Sub-structure
- 3. Fault
- 4. Boundary
- 5. Direction of flow
- 6. Direction of flow (indicated by arrows)
- 7. Direction of flow (indicated by arrows)
- 8. Direction of flow (indicated by arrows)
- 9. Direction of flow (indicated by arrows)
- 10. Direction of flow (indicated by arrows)
- 11. Direction of flow (indicated by arrows)
- 12. Direction of flow (indicated by arrows)
- 13. Direction of flow (indicated by arrows)
- 14. Direction of flow (indicated by arrows)
- 15. Direction of flow (indicated by arrows)
- 16. Direction of flow (indicated by arrows)
- 17. Direction of flow (indicated by arrows)
- 18. Direction of flow (indicated by arrows)
- 19. Direction of flow (indicated by arrows)
- 20. Direction of flow (indicated by arrows)

SYMBOLS

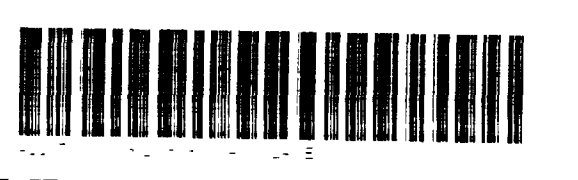
- 1. Well
- 2. Direction of flow
- 3. Direction of flow (indicated by arrows)
- 4. Direction of flow (indicated by arrows)
- 5. Direction of flow (indicated by arrows)
- 6. Direction of flow (indicated by arrows)
- 7. Direction of flow (indicated by arrows)
- 8. Direction of flow (indicated by arrows)
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- 14. Direction of flow (indicated by arrows)
- 15. Direction of flow (indicated by arrows)
- 16. Direction of flow (indicated by arrows)
- 17. Direction of flow (indicated by arrows)
- 18. Direction of flow (indicated by arrows)
- 19. Direction of flow (indicated by arrows)
- 20. Direction of flow (indicated by arrows)



2. 153 80

Murtel Lake
(East Block)

ORAP 1992 and 1993
Geology and Geophysics
Camp Area



TB 1183797

42 metres

Highly folded
Intermediate
Tuffs $\geq 5\%$ pyrite

Area Covered
By Gossan
Cap

Limestone / host
locally massive
Galena

mafic
dike?

Limestone / chert / Intermediate Tuff

Original
Pit

Highly folded
Banded Chert
and Massive Pyrite

Highly folded
Intermediate
Tuffs $\geq 5\%$ pyrite

Limestone with
5% sphalerite

min pillowed
vol anics

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

2. 15380

Galena Vein
Stripping

Muriel Lake
Property

0 2
metres
Scale 1:100

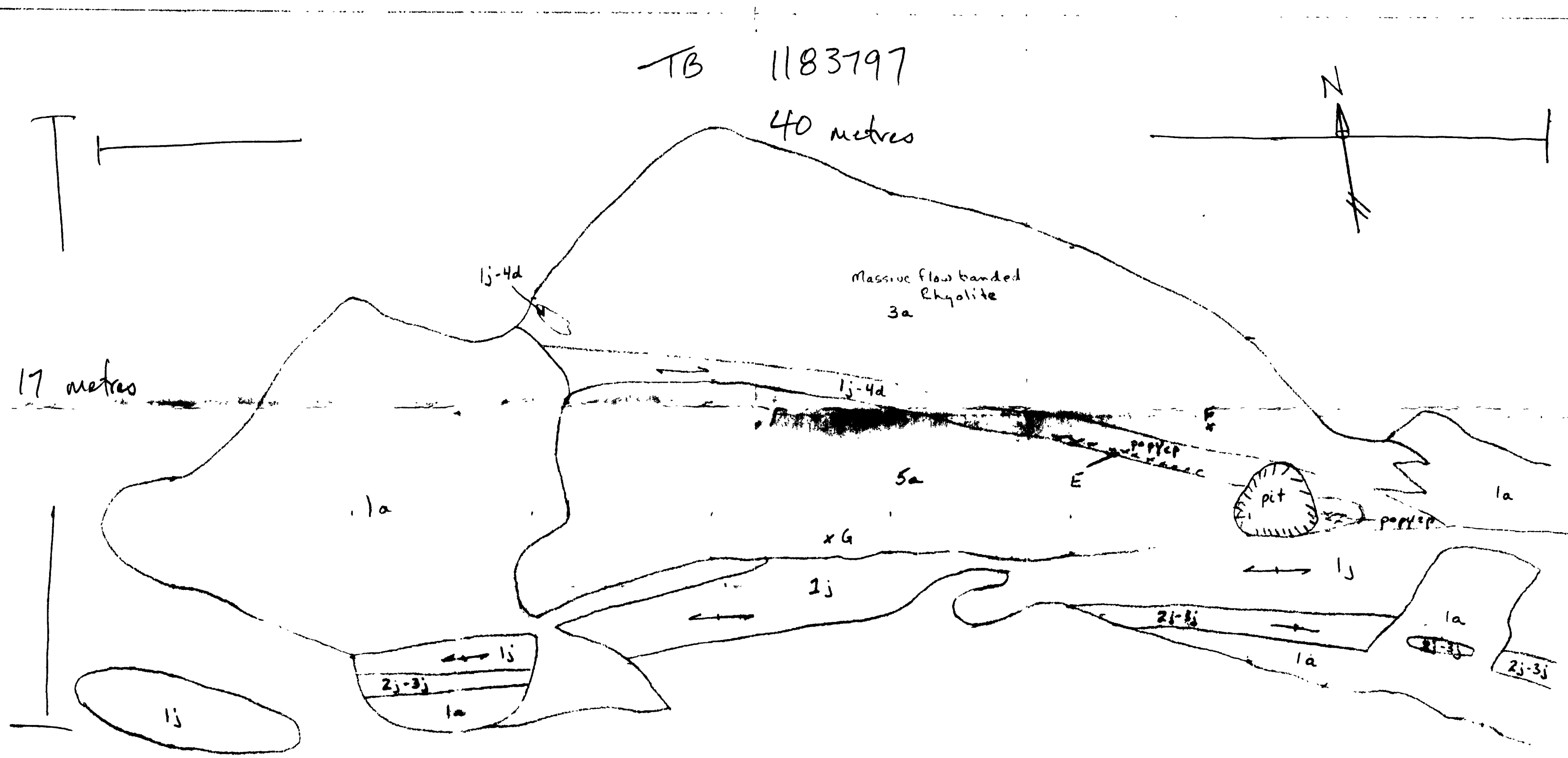
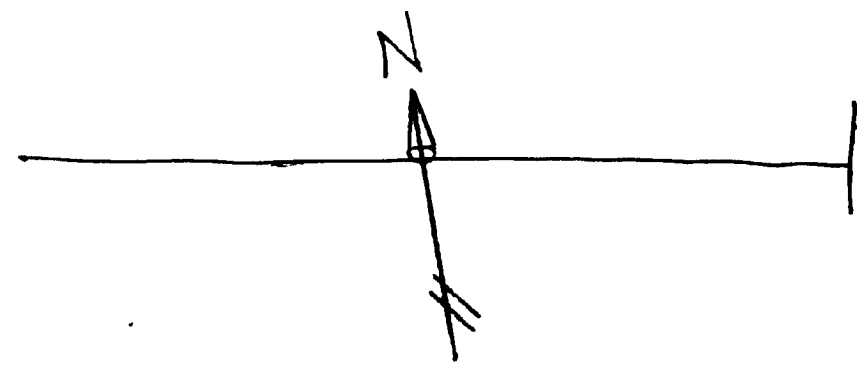


TB 1183197

40 metres



17 metres



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
 py 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.

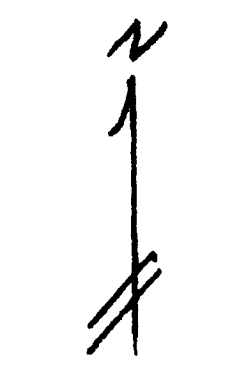
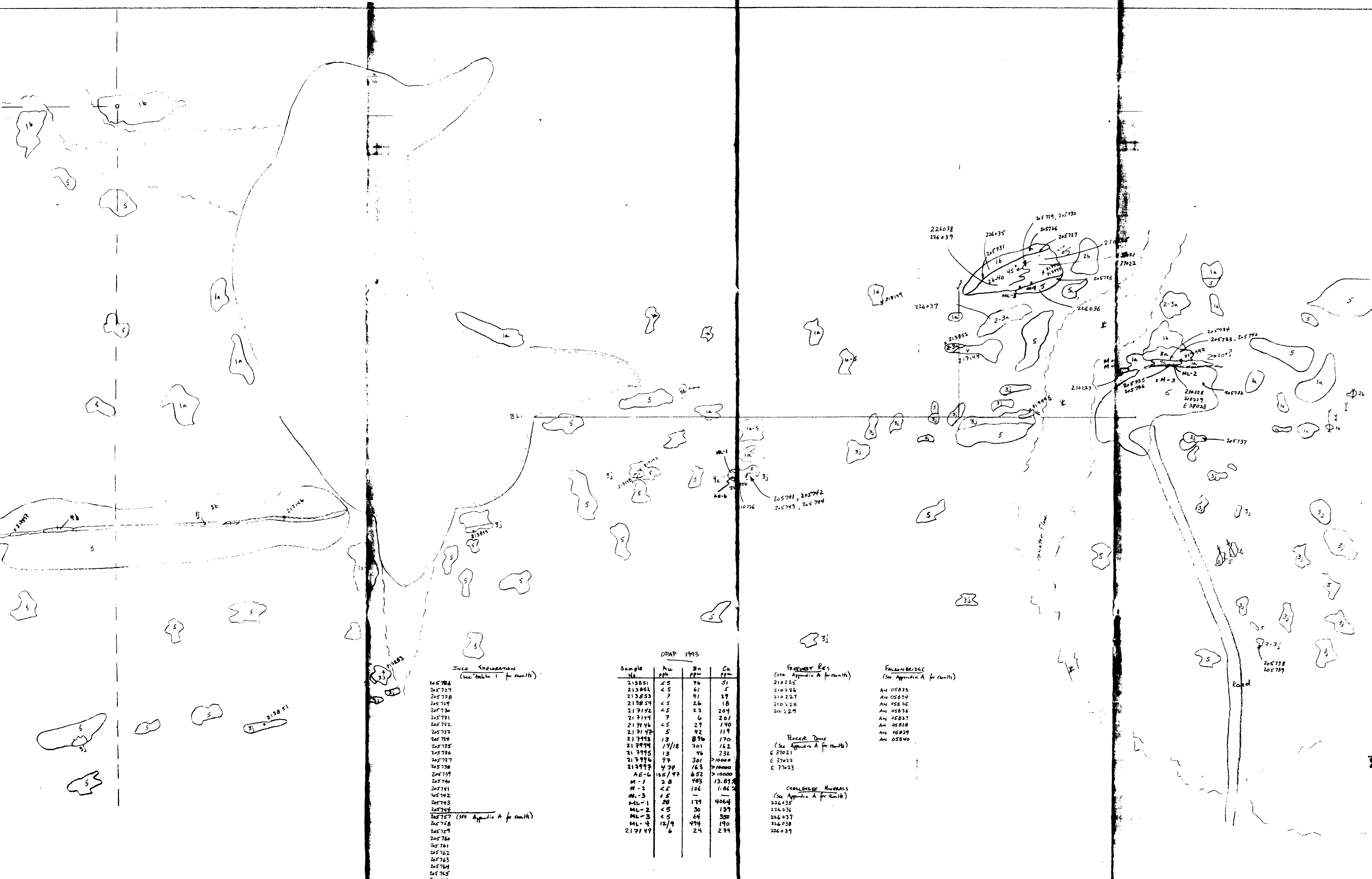
2. 15380

J. J. Perry
Stripping

Muriel Lake
Property

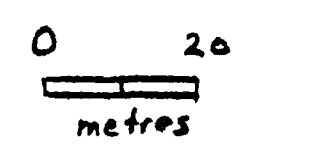
0 2
metres
Scale 1:100





Legend

1. mafic volcanic
 - a) massive flow
 - b) pillowed
 2. Intermediate
 - a) flow
 - b) tuff
 3. Felsic
 - a) flow
 - b) tuff
 4. Sediment
 - a) Limestone
 - 5 Mafic Intrusive
- Symbols**
- strike, dip
 - ↘ trench
 - ↘ fold and plunge
 - Swamp
 - x M-1 Sample No. + Loc 2
 - shear zone
 - foliation



2. 15380

Muriel Lake Showings and West	
Geology and Sampling OPAP 1993	
1:1000	
Map 3	J.O.C.

Inco Exploration
(See Table 1 for results)

205784			
205727			
205728			
205729			
205730			
205731			
205732			
205733			
205734			
205735			
205736			
205737			
205738			
205739			
205740			
205741			
205742			
205743			
205744			
205745			
205746			
205747			
205748			
205749			
205750			
205751			
205752			
205753			
205754			
205755			
205756			
205757			

OPAP 1993

Sample No.	Al ppm	Si ppm	Ca ppm
213851	45	76	51
213852	45	61	5
213853	7	41	29
213854	45	26	18
217142	45	23	204
217143	7	6	201
217144	45	29	140
217145	5	42	119
217146	13	876	170
217147	14/18	701	162
217148	13	46	232
217149	97	301	>10000
217150	479	163	>10000
AE-6	105/47	652	>10000
M-1	28	783	13.87%
M-2	45	106	1.06%
ML-3	45	—	—
ML-1	28	179	4064
ML-2	45	30	139
ML-3	45	64	350
ML-4	12/9	474	190
217149	6	24	294

FREDERIC RES
(See Appendix A for results)

210225	
210226	
210227	
210228	
210229	

ROGER DOME
(See Appendix A for results)

E 37021	
E 37022	
E 37023	

CHALLENGER MOUNTAINS
(See Appendix A for results)

224035	
224036	
224037	
224038	
224039	

FREDANBRIDGE
(See Appendix A for results)

AN 05835	
AN 05834	
AN 05835	
AN 05836	
AN 05837	
AN 05838	
AN 05839	
AN 05840	