010

SUMMARY REPORT

ON

GEOLOGICAL SURVEY AND

DETAILED HLEM GEOPHYSICAL SURVEY

ON THE

HOUSTON LAKE PROPERTY

MACMURCHY TOWNSHIP, SHINING TREE AREA

LARDER LAKE MINING DIVISION

FOR

FERGUSON ANNETT TINDALE

NTS 41P11

LONGITUDE 47°60' LATITUDE 81°06'

Toronto, Ontario
September 1992

J. L. Tindale
Geologist

ASSESSMENT WORK REPORT

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INTRODUCTION

The property described in this report is owned equally by Ralph Ferguson of Matachewan, Roy Annett of Shining Tree and J. L. Tindale of Toronto. Prospecting by Annett and Ferguson prior to staking revealed sulphide rich occurrences in a series of pre-1930 age trenches along the north shore of Houston Lake. Analysis of samples taken from these trenches revealed elevated values in nickel, copper and zinc along a strike length of approximately one kilometer. Similarly a series of old trenches north of the Montreal River west of Houston Lake returned gold values in quartz veining. These promising showings encouraged the partners to stake the property and embark on a program of systematic exploration.

Previous assessment filing described the linecutting, magnetometer and VLF-EM survey portion of our exploration. This report describes a detailed grid and HLEM survey over a portion of the property as well as a geological survey and sampling program carried out over the claim group.

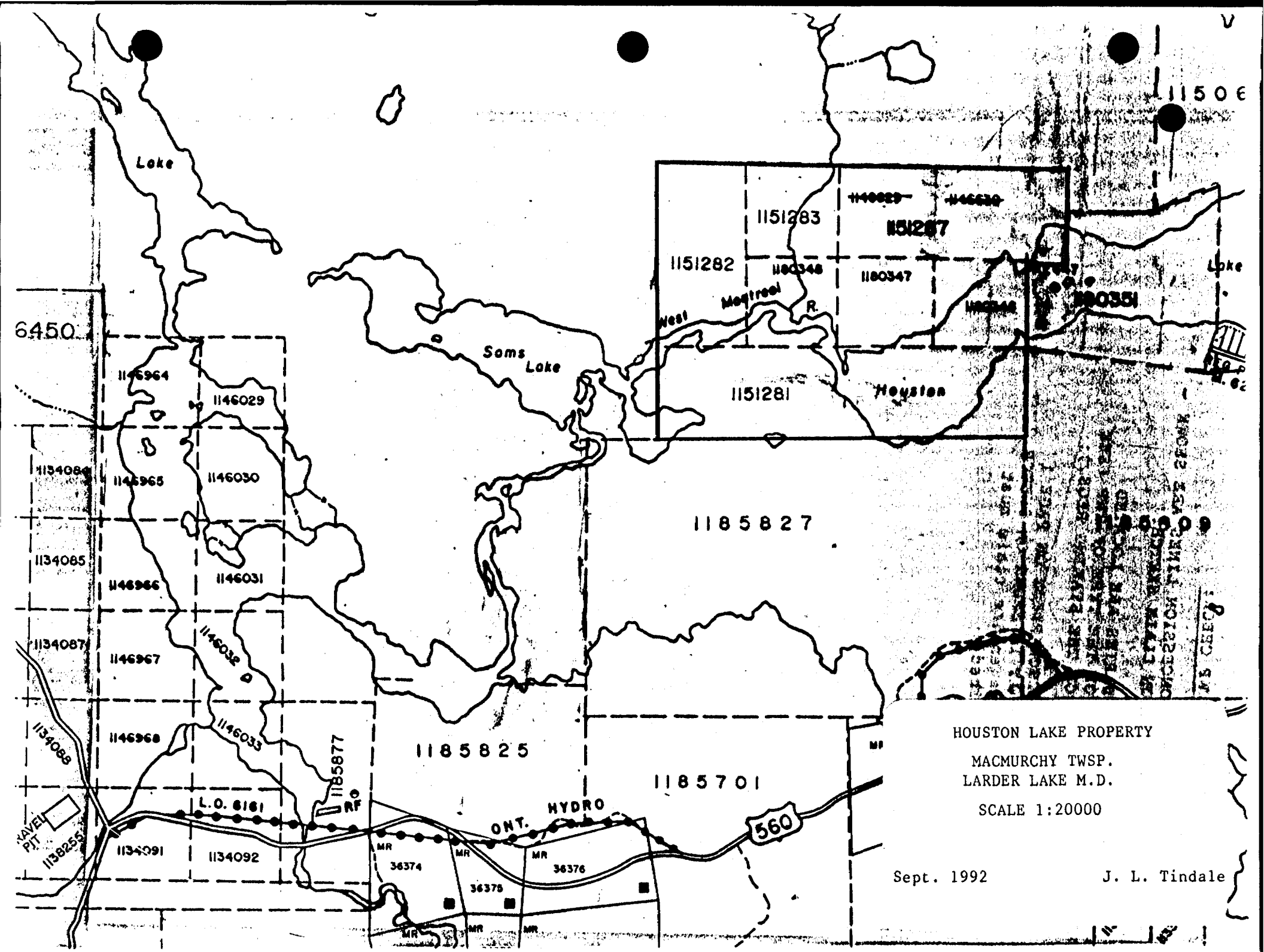
CLAIM STATUS, ACCESS, LOCATION

Claim No.	Units	Date Recorded	Staked
1151287	2	August 13, 1993	J. L. Tindale
1180346-48	3	May 6, 1991	Ralph Ferguson
1151281	4	December 9, 1991	J. L. Tindale
1151282	2	December 9, 1991	J. L. Tindale
1151283	1	December 9, 1991	J. L. Tindale

All claims are registered in the name of J. L. Tindale, Lic. No. J6459. Figure 1 depicts the location of the claim block.

The property is reached from the village of Shining Tree by travelling easterly along Highway 560 for approximately 12 kilometers to Houston Lake Camp and then westerly along Houston Lake by boat or skidoo depending on the season.

The west branch of the Montreal River flows easterly across the western portion of the property emptying into Houston Lake. Approximately one-third of the claims are water covered. North of the river and the lake the topography rises gradually whereas south of these waterways the land rises sharply in the


Lake
Soms Lake
West Montreal R.
Houston
6450
1146964
1146029
1134086
1146965
1146030
1134085
1146966
1146031
1134087
1146967
1146032
1146968
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1134088
1185877
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1151283
1151282
1151281
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1180348
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1180351
L.O. 6161
RF
ONT. HYDRO
560
GRAVEL PIT
1138255
1134091
1134092
MR
36374
36375
36376
HOUSTON LAKE PROPERTY
MACMURCHY TWSP.
LARDER LAKE M.D.
SCALE 1:20000
Sept. 1992
J. L. Tindale

form of steep northfacing hillsides. Low areas adjacent to the river and lake are covered with spruce, balsam and cedar changing to jackpine and poplar at higher elevation. Maximum relief difference is approximately 50 metres from the lake level to the highest ground along the south boundary.

PREVIOUS EXPLORATION

Little is known about previous exploration attempts on the property. Prospecting by Roy Annett located a series of deep trenches north of Houston Lake on present claim 1180347. These trenches are badly caved and have sizeable trees growing in them so are probably 30 to 40 years old. Digging with grubhoes turned up pyrrhotite and pyrite mineralization in mafic volcanics which on assay returned up to 2000 ppm nickel. The trenches are spread out across approximately 500 metres in an east to west direction.

Further west on claim 1151282 just north of the river a number of old trenches have been put down on a quartz vein occurrence in what appears to be a siliceous tuff unit. An old drill casing is present at the river bank indicating at least one drill hole tested this zone, probably for gold.

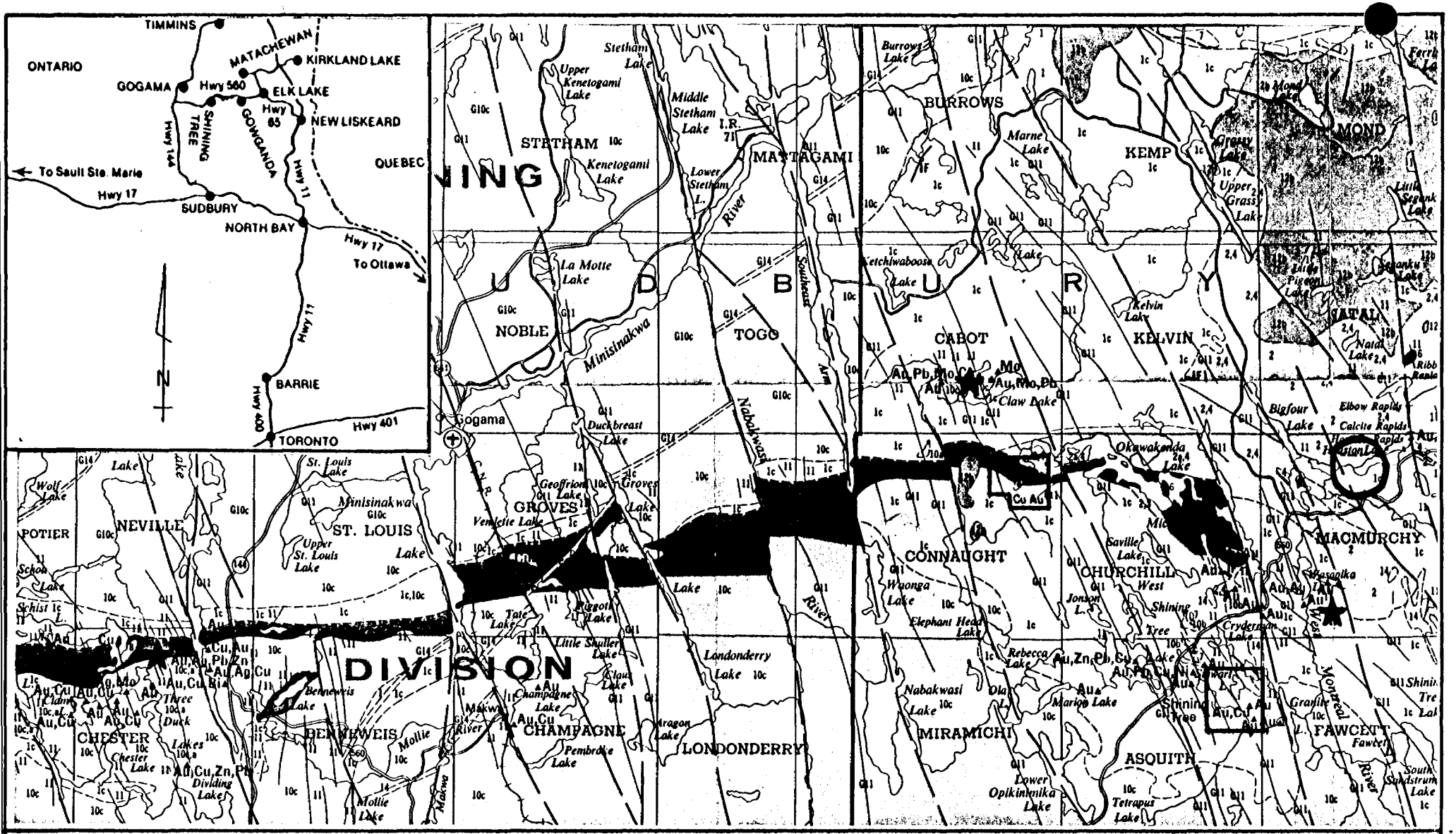
Macmurchy Township was geologically mapped by M. W. Carter of the Ontario Division of Mines and his report entitled Geology of Macmurchy and Tyrrell Townships was published as Geoscience Report 152 in 1977. Carter's mapping indicates the property to be underlain by a volcanic sequence composed of mafic to felsic flows and pyroclastic rocks which trend in an east to west direction.

The O.G.S. published a set of airborne magnetometer and electromagnetic maps in December of 1990 under the title Shining Tree Area. Two weak electromagnetic responses occurred on the subject claim block.

Exploration activity in the Shining Tree Area during the last year has increased mainly due to the discovery of copper-nickel mineralization in Fawcett Township, approximately 10 kilometers southwest of Houston Lake. Recent drilling, also for copper-nickel, has been carried out in Knight Township at Arthur Lake, approximately three kilometers northeast of our property.

GENERAL GEOLOGY

The earliest rocks in the area comprise a metavolcanic-metasedimentary



LEGEND

10 Felsic Intrusive Rocks	2 Felsic Volcanics
6 Metasediments	1 Inter./ Mafic Metavolcanics

From O.D.S. Map 2205

0 4 8
MILES

HOUSTON LAKE PROPERTY

LOCATION & REGIONAL GEOLOGY MAP

January , 1992

sequence, the volcanics being subdivided into three lithologic units. These are a mafic unit consisting mainly of basalts, an intermediate unit consisting of andesite and dacite, and a felsic unit consisting of rhyolite and rhyodacite. These rocks are interlayered with tuffaceous members and occasionally slaty greywaches.

Ultramafic and mafic intrusions consisting of serpentinite and gabbro are present in the area but are not abundant. Where seen they appear as layers within the volcanic-sedimentary sequence.

Jasper-rich iron formation is present along the south shore of Houston Lake east of own property boundary. Slaty greywache is present on the property, possibly as an interflow sediment north of Houston Lake. Huronia sediments rest unconformably upon the metavolcanic-metasedimentary sequence within the area but are not present on the property.

Diabase dikes which trend northerly throughout the area and are the latest rocks present, cutting all formation listed above.

LINECUTTING PROGRAM

A grid was established over the property between March 23 and April 3, 1992 by Roy Annett of Shining Tree and J. L. Tindale of Toronto. A central east-west baseline measuring 1,375 metres was cut, picketed and chained across the property with pickets established at 25 metre intervals and lines turned off to the north and south at 100 metre intervals. From the baseline the north-south grid lines were chained and flagged at 25 metre intervals. Claim boundaries were tied to this grid. The total distance of the grid measured 15.98 kilometers.

A grid was cut on July 29, 30 and 31, 1992 over the area north of Houston Lake from line 0 to line 2+50E to detail an area of anomolous VLF-EM readings which coincided with trenched areas with high nickel assays. This grid extended to 3+00N with an east-west baseline from line 0 to 2+50E at 3+00N. Lines as 50 metre intervals were turned off of this baseline and chained and picketed at 25 metre intervals. Lines were cut by Roy Annett of Shining Tree and Mark Tindale of Midland.

HORIZONTAL LOOP EM (HLEM) SURVEY

Tech Terrex Inc. of Oakville, Ontario was contracted to carry out a Max-Min Survey of the detailed grid area. This survey was run on August 12, 1992 with Mike Wilson of Oakville as operator and Harry Claridge of Bracebridge as helper.

The survey was performed utilizing the well-known Max Min II Plus Horizontal Loop EM system manufactured by Apex Parametrics Limited of Uxbridge, Ontario. It was operated in the MAX I mode with transmitter and receiver coil planes horizontal and coplanar.

Three frequencies at 444Hz, 1777Hz and 3555Hz were used in order to provide as much diagnostic information as possible about the conductors beneath the surface. The lower frequency of 444Hz was used because of its higher dipole moment which results in greater depth penetration. The higher frequencies resulted in greater sensitivity of the poorer conductors as well as much better resolution between closely spaced conductors.

The coil separation for this survey as provided by the reference cable was 50 metres. This separation results in a theoretical depth penetration of at least one-half the coil separation. Readings were taken every 25 metres along the grid lines. The position of the EM responses were the mid-point between the transmitter and receiver.

Profiled data as well as individual readings for each station are presented on three maps, No.'s 5, 6 and 7, at the various frequencies at a scale of 1:1000.

The intent of this survey was to evaluate the VLF-EM and complementary magnetometer responses over the area of old trenching north of Houston Lake. A very weak anomolous trend was detected, mainly in the quadrature component, coincident with the VLF trend. This trend is most pronounced at the higher frequencies and correspondingly very weak at the lower frequencies.

GEOLOGICAL MAPPING

Geological mapping of the property was carried out by the writer with

the assistance, in part, of Roy Annett during July and August 1992. Results are presented as Map 8 at a scale of 1:2000.

The property is underlain by interbands of intermediate to felsic meta-volcanics with rare lenses and bands of mafic volcanics and metasediments. Diabase dikes were noted at two locations on the property.

Mafic volcanics, gabbroic in texture and dark green in colour were noted on 2W south of the baseline. These rocks are fresh in appearance and may represent a phase of the ultramafic intrusive present at Sams Lake further to the west.

Intermediate volcanics are mapped over a portion of the southern portion of the property and in isolated outcrop near the northern boundary. These rocks are pale green, aphanitic, massive, very fine grained units which trend east-west. Traces of pyrite were noted in some outcrops. Flow textures were lacking in these massive untis.

Porphyritic tuffs, medium to coarse grained, pale grey to green in colour, comprise the main unit underlying the central portion of the property. These units are characterized by pale blue to white quartz-eye phenocrysts and often contain laths and irregular inclusions of black carbonaceous sediments or well developed laths of white feldspar. As such they are fragmental in character and may vary between crystal tuffs and lapilli tuffs.

A very distinctive member occurs within these common tuffaceous units. North of Houston Lake between line 0 and 5E a brecciated tuffaceous member was noted characterized by a chaotic assemblage of large fragments of herring-bone stripped aphanitic pale grey rock. The strips appear to be caused by black quartz injected along minute fractures forming this particular pattern. The significance of this unit is not apparent though it appears only in the area of more intense alteration on the property and as such may be a product of same. This band, field named "zebra rock", outcrops along the shore of Houston Lake, in the trenched areas across claim 1180347 and on small islands in the lake east of the property.

Metasediments in the form of black slaty greywache was noted at the west end of the property adjacent to the quartz vein gold workings and adjacent to the trenching areas north of Houston Lake at the east part of the area. These

black slates contain up to 1% pyrite, are sometimes anomolously magnetic, and may contain concretion-like pyrrohotite and pyrite mineralization. Probably they are interflow sedimentary bands or perhaps part of the oxide iron formation unit noted at the east end of Houston Lake. It is perhaps noteworthy that the black carbonaceous fragments found in the tuffaceous members appears to be similar in composition and appearance to these slate members.

Diabase dikes are noted along the south boundary near Houston Lake and at line 7E at the baseline. These dikes are dark green, fresh in appearance, coarse grained and magnetic. They strike generally north to northwesterly.

Shearing, carbonate alteration and quartz veining is present at the west end gold showing and at the nickeliferous occurrences in the east central sector. Foliation is not a prominent feature on the property being weak or lakcing in most locations.

All formations generally trend east-west and do not appear to be disrupted by any apparent major faulting.

ECONOMIC GEOLOGY

Two areas of possible economic interest are present on the property. These are discussed individually below.

a) West Gold Occurrences

Immediately north of the Montreal River and crossing lines 6W to 4W is an area of extensive trenching and pitting probably dating back to the 1930's. An irregular white quartz vein has been traced for approximately 400 metres in an east-west direction by this work. The vein(s) reach widths of .5 m though generally are in the order of .1 to .2 m. Pyrite is scattered as disseminated cubes along the vein edges and into the wall rock. Carbonate alteration in the form of brown weathering ankerite is common in the veins and wall rocks. Pits at intervals along the vein reach depths of three metres.

Grab samples from vein material ran from 288 ppb to a high of 5446 ppb (0.158 opt Au). Wall rock adjacent to the vein assayed 114 ppb. Assays of old drill core found near the showings assayed only traces of gold.

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An old drill casing was located adjacent to the river. This hole was drilled at 60° to the north to pass under one of the deeper pits.

Generally speaking the showing is not encouraging in appearance being white quartz and though the carbonate alteration is quite intense adjacent to the vein it lessens in degree a few metres removed. The presence of black slaty greywache bands both north and south of the showing leads to the conclusion that this is a vein system hosted by fracturing along a line of weakness caused by the occurrence of an interflow sedimentary unit.

b) East Nickel Occurrence

This zone of relatively intensely carbonate altered porphyritic tuffaceous rocks trends roughly east-west between lines 0 and 5E immediately north of Houston Lake. Banks of brecciated "zebra tuff" and slaty black sediments appear to flank the zone on the south and north respectively.

Numerous old trenches have been dug along the hillside testing the sulphide and quartz vein rich occurrences. These were probably dug in the 1930's, perhaps earlier.

Early prospecting by the writer and Roy Annett in these trenches returned anomolous values in nickel (1700 ppm) from sulphide rich bands in altered porphyritic tuffs. Carbonate alteration was intense. Later sampling and trench cleanout exposed rather remarkable occurrences of bright green mariposite (?) alteration in conjunction with numerous irregular white quartz-carbonate vein systems. Analysis of these mariposite (?) rich rocks also returned anomolous nickel values (918 ppm) along with anomolous arsenic, calcium and magnesium values. It would appear from our sampling, copies of which are appended to this report, that the nickel values may be coming from the presence of garnierite a nickel-magnesium silicate which is bright apple green in colour and would explain the anomolous nickel-magnesium values we are getting from this area of the property. Also it would explain the practically non-existent gold values associated with the mineral occurrences in this sector of the property in spite of the presence of quartz veining, carbonate alteration ahd sulphide mineralization. If the old timers were looking for gold in association with these rocks and possibly mariposite - they were sadly mistaken!

CONCLUSIONS AND RECOMMENDATIONS

Our work on the Houston Lake property has not turned up any new mineral occurrences but has led to the reinterpretation of an old gold showing as a possible new potentially interesting nickel exposure. If indeed the nickel mineral is gernierite, which is an ore of nickel in various parts of the world, the some followup to determine the extent and grade of this possible deposit is warrented.

Initially, it is recommended that microscopic identification of the green mineral be carried out to positively identify it as garnierite or other. If identification is positive then some stripping and further detailed mapping will be required to determine the extent and grade of the nickelifeous mineralization.

Respectfully submitted,

J. L. Tindale
Geologist

Toronto, Ontario
September 1992

REFERENCES

Carter, M. W. — Geology of Macmurchy and Tyrrell Townships; Geoscience Report 152, MNR, 1977.

Fraser, D. C. — Contouring of VLF-EM Data; Geophysics Vol. 14, No. 6, 1969.

Ford, W. E. — Dana's Textbook of Mineralogy; 1932.

Shining Tree Area — Airborne Electromagnetic Survey; Geophysical Series, MNR, Map 81420, 1990.

APPENDIX A

SAMPLE LOG — HOUSTON LAKE PROJECT — 1992

Sample No.	Location	Description-Date	Values
156328	2+10E 2+25N	June 29; dk gn fragmental w qtz carb, chl, chart	<5 ppb Au; 996Ni
156329	2+20E 2+25N	June 29; sheared dk gn fragmental; qtz blobs; pyrite as conc. & streaks; porphyritic	<5 ppb Au; 1321Ni
156330	2+20E 2+15N	June 29; zebra tuff inpart; pale gn to emerald gn; mariposite; qtz-carb veins; tr py.	<5 ppb Au; 618Ni
156331	2+20E 2+05N	June 29; S. end Tr.; bl. frag tuff in 20% erratic white qtz-carb veins; no sulphide	<5 ppb Au; 413 Ni; 125 Cu
156332	5+30W 1+75N	June 29; Tr; wh. qtz vein w sheared dk gn wall	5446 ppb Au; 0.158oz/T; 79 Ni
156333	2+20E 2+25N	June 29; pale gn to white qtzite; tr. py.	<5 ppb Au; 44Ni
156334	4E 3N	June 29; pale gn quartzose w minor mariposite; qtz carb veins; tr. py.	<5 ppb Au; 473Ni
156335	4E 2+90N	June 29; zebra rock, qtz carb stringers; tr. pyrite	<5 ppb Au; 918Ni; 106Zn; 165V; 1059Cr
156358	5W 1+75N	Aug. 1; near gold showing; c.g. fragmental tuff w limonite flecks; ankerite or sphalerite?	7 ppb Au; Quikscan onomolous Mn, Sr, Cr, Ba
156359	5+50W 1+75N	Aug. 9; vein from big pit dump; wh qtz w bxfrags of bl. slate, rusty carb stain; limonite; cherty inclus.	288 ppb (.008) Au; quickscan 1.03% Ca
156360	5+50W 1+75N	Aug. 9; wall rock; gy wh porphyritic tuff, c.g., 20% qtz, as bx filling; bl slate frags; not carbonate-rich	114 ppb (.003) Au; quikscan
156361	5+50W 1+75N	Aug. 9; old drill core, 7/8"; gy wh porphyritic tuff, carbonate, cpy py flecks; minor 1/8-1/4" qtz-carb veins	10 ppb Au; quikscan 163 ppm Cu
156362	5+50W 1+75N	Aug. 9; old drill core; bl. slate, FW rock, V.F.G., hairline qtz-carb fractures; dense	7 ppb Au; quikscan
156363	4+50E 1+75N	Aug. 11; mariposite rich carb bx w f.g. porphyritic tuff matrix, minor bl. shalefrags, wh. qtz carb veins; strs tr py.	11 ppb Au; quikscan 918Ni; 527As; 6.56%Mg; 12.01%Ca
156366	1+50E 1+75N	Aug. 13; mariposite rich, m.g. carb. tuff; w q.c. veins; tr py.	<5 ppb Au

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HOUSTON LAKE

Certificate of Analysis

45780

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M4P 1Y4

Page #1

August 27 1992

Work Order # : 920288

WEST S 40m

EAST MORIARITY

SAMPLE NUMBERS Accurassay	Customer	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm
259184	156359	2	14	6	25	0.2
259185	156360	4	13	9	16	0.3
259186	156361	1	163	2	79	0.3
259187	156362	3	35	11	61	0.4
259188	156363	<1	19	3	29	0.2

SAMPLE NUMBERS Accurassay	Customer	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm
259184	156359	35	5	495	1.51	20
259185	156360	44	12	359	2.12	30
259186	156361	39	6	859	3.07	26
259187	156362	43	11	401	2.01	24
259188	156363	918	32	1725	3.51	527

SAMPLE NUMBERS Accurassay	Customer	Au ppm	Hg ppm	Sr ppm	Cd ppm	Sb ppm
259184	156359	<3	<3	23	<1	<2
259185	156360	<3	<3	23	1	<2
259186	156361	<3	<3	143	<1	<2
259187	156362	<3	<3	187	<1	<2
259188	156363	<3	<3	122	<1	<2

SAMPLE NUMBERS Accurassay	Customer	Bi ppm	V ppm	Ca %	P %	La ppm
259184	156359	<3	16	1.03	0.01	3
259185	156360	<3	24	0.57	0.03	9
259186	156361	<3	46	2.35	0.06	19
259187	156362	<3	24	1.20	0.08	26
259188	156363	<3	18	12.01	<0.01	<1

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Dr. G. Duncan
CHEMIST

Per: G. Duncan

LF-30

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August 27 1992

Work Order # : 920288

SAMPLE NUMBERS Accurassay	Customer	Cr ppm	Mg %	Ba ppm	Ti %	Al %
259184	156359	511	0.48	36	<0.01	0.32
259185	156360	511	0.36	73	<0.01	0.60
259186	156361	393	1.09	62	<0.01	0.91
259187	156362	387	0.63	122	<0.01	0.85
259188	156363	339	6.56	41	<0.01	0.15

SAMPLE NUMBERS Accurassay	Customer	Na %	Si %	W ppm	Be ppm
259184	156359	0.01	0.01	4	<1
259185	156360	0.03	0.01	4	1
259186	156361	0.07	0.01	<2	2
259187	156362	0.11	0.01	6	2
259188	156363	0.05	0.01	<2	2

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August 26, 1992

Work Order # : 920273

SAMPLE NUMBERS Accurassay	SAMPLE NUMBERS Customer	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm
258964	156358	2	12	12	48	0.4

SAMPLE NUMBERS Accurassay	SAMPLE NUMBERS Customer	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm
258964	156358	27	9	649	2.24	8

SAMPLE NUMBERS Accurassay	SAMPLE NUMBERS Customer	Au ppm	Hg ppm	Sr ppm	Cd ppm	Sb ppm
258964	156358	<3	<3	129	1	<2

SAMPLE NUMBERS Accurassay	SAMPLE NUMBERS Customer	Bi ppm	V ppm	Ca %	P %	La ppm
258964	156358	<3	36	1.92	0.03	10

SAMPLE NUMBERS Accurassay	SAMPLE NUMBERS Customer	Cr ppm	Mg %	Ba ppm	Ti %	Al %
258964	156358	194	0.31	115	0.01	0.67

SAMPLE NUMBERS Accurassay	SAMPLE NUMBERS Customer	Na %	Si %	W ppm	Be ppm
258964	156358	0.06	0.01	5	2

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45863

Certificate of Analysis

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August 17 92

Work Order # : 920288
Project :

SAMPLE NUMBERS Accurassay	Customer	Gold ppb	Gold Oz/T	
259184	156359	288	0.008	
259185	156360	114	0.003	
259186	156361	10	<0.001	
259187	156362	7	<0.001	
259188	156363	11	<0.001	
259188	156363	9	<0.001	Check

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Houston Lake

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Certificate of Analysis

45673

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July 29, 1992

Work Order # : 920246 + 920247A

SAMPLE NUMBERS Accurassay	Customer	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm
258544	156328	2	50	6	40	0.1
258545	156329	2	71	8	29	0.2
258546	156330	2	50	7	47	0.1
258547	156331	1	125	9	27	0.2
258548	156332	2	42	12	20	0.2
258549	156333	1	17	5	48	0.1
258550	156334	2	28	8	23	0.2
258551	156335	1	69	9	106	0.3
258560	156348	2	178	4	8	0.2

SAMPLE NUMBERS Accurassay	Customer	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm
258544	156328	996	66	1288	4.18	29
258545	156329	1321	62	2355	7.87	50
258546	156330	618	19	2366	7.24	18
258547	156331	413	5	3620	5.03	6
258548	156332	79	12	843	1.89	9
258549	156333	44	8	1199	3.15	3
258550	156334	473	24	1295	3.58	7
258551	156335	918	13	1800	6.69	8
258560	156348	112	20	198	2.06	6

SAMPLE NUMBERS Accurassay	Customer	Au ppm	Hg ppm	Sr ppm	Cd ppm	Sb ppm
258544	156328	<3	<3	124	<1	<2
258545	156329	<3	<3	218	<1	<2
258546	156330	<3	<3	206	<1	<2
258547	156331	<3	<3	58	<1	<2
258548	156332	<3	<3	60	<1	<2
258549	156333	<3	<3	214	<1	<2
258550	156334	<3	<3	130	<1	<2
258551	156335	<3	<3	71	<1	<2
258560	156348	<3	<3	10	<1	6

ASSOCIATION OF THE CHEMICAL PROFESSION OF ONTARIO
CHARTERED
Dr. G. Duncan
CHEMIST

Per: G. Duncan

LF-30

ORIGINAL

ACCURASSAY LABORATORIES

A DIVISION OF BARRINGER LABORATORIES LIMITED, REXDALE, ONTARIO
BOX 426
KIRKLAND LAKE, ONTARIO, CANADA P2N 3J1
TEL.: (705) 567-3361

President: Dr. GEORGE DUNCAN, M.Sc., Ph. D., C. Chem (Ont.), C. Chem (U.K.), M.C.I.C., M.R.S.C., A.R.C.S.T.

45674 Certificate of Analysis

Mr. J.L. Tindale
907-110 Erskine Ave.
Toronto, Ontario
M4P 1Y4

July 29, 1992

Work Order # : 920246 + 920247A

SAMPLE NUMBERS		Bi	V	Ca	P	La
Accurassay	Customer	ppm	ppm	%	%	ppm
258544	156328	<3	35	5.99	0.03	2
258545	156329	<3	45	5.86	0.02	<1
258546	156330	<3	68	7.82	<0.01	<1
258547	156331	<3	47	11.30	<0.01	<1
258548	156332	<3	20	1.97	<0.01	6
258549	156333	<3	30	3.33	<0.01	11
258550	156334	<3	38	6.12	<0.01	6
258551	156335	<3	165	7.18	<0.01	<1
258560	156348	4	28	0.67	<0.01	<1

SAMPLE NUMBERS		Cr	Mg	Ba	Ti	Al
Accurassay	Customer	ppm	%	ppm	%	%
258544	156328	376	2.43	93	<0.01	0.44
258545	156329	358	2.62	80	<0.01	0.83
258546	156330	589	4.10	39	<0.01	1.55
258547	156331	346	6.32	22	<0.01	1.02
258548	156332	363	0.81	36	<0.01	0.31
258549	156333	115	0.83	73	<0.01	0.26
258550	156334	143	2.92	51	<0.01	0.67
258551	156335	1059	4.02	25	<0.01	2.97
258560	156348	419	0.36	295	<0.01	0.28

SAMPLE NUMBERS		Na	Si	W	Be
Accurassay	Customer	%	%	ppm	ppm
258544	156328	<0.01	<0.01	<2	2
258545	156329	<0.01	<0.01	<2	2
258546	156330	<0.01	<0.01	<2	3
258547	156331	<0.01	<0.01	<2	2
258548	156332	<0.01	<0.01	<2	1
258549	156333	0.02	<0.01	<2	2
258550	156334	<0.01	<0.01	<2	2
258551	156335	<0.01	<0.01	<2	5
258560	156348	<0.01	<0.01	<2	<1

ASSOCIATION OF THE CHEMICAL PROFESSION OF ONTARIO
CHARTERED
Dr. G. Duncan
CHEMIST

LF-30

Per: G. Duncan

ORIGINAL

ACCURASSAY LABORATORIES
A DIVISION OF BARRINGER LABORATORIES LIMITED, REXDALE, ONTARIO
BOX 426
KIRKLAND LAKE, ONTARIO, CANADA P2N 3J1
TEL.: (705) 567-3361

Houston Lake

President: Dr. GEORGE DUNCAN, M.Sc., Ph. D., C. Chem (Ont.), C. Chem (U.K.), M.C.I.C., M.R.S.C., A.R.C.S.T.

45593 # Certificate of Analysis

Tindale, J.L. Mr.
General Delivery
Shining Tree, Ontario
P0M-2X0

July 14 92

Work Order # : 920246
Project : :

SAMPLE NUMBERS Accurassay	Customer	Gold ppb	Gold Oz/T	
258544	156328	<5	<0.001	
258545	156329	<5	<0.001	
258546	156330	<5	<0.001	
258547	156331	<5	<0.001	
258548	156332	5446	0.158	West end Pits Trenches.
258549	156333	<5	<0.001	
258550	156334	<5	<0.001	
258551	156335	<5	<0.001	
258551	156335	6	<0.001	Check

ASSOCIATION OF THE CHEMICAL PROFESSION OF ONTARIO
CHARTERED
Dr. G. Duncan
CHEMIST

LF-30

Per: G. Duncan

ORIGINAL

ACCURASSAY LABORATORIES

A DIVISION OF BARRINGER LABORATORIES LIMITED, REXDALE, ONTARIO
BOX 426
KIRKLAND LAKE, ONTARIO, CANADA P2N 3J1
TEL.: (705) 567-3361

President: Dr. GEORGE DUNCAN, M.Sc., Ph. D., C. Chem (Ont.), C. Chem (U.K.), M.C.I.C., M.R.S.C., A.R.C.S.T.

Houston Lake

45053

Certificate of Analysis

J.L. Tindale & Assoc. Inc.
907-110 Erskine Ave.
TORONTO, ON
M4P 1Y4

April 9th, 1992

Work Order # : 920111A

SAMPLE NUMBERS Accurassay	SAMPLE NUMBERS Customer	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm
254934	156327	3	77	15	65	0.9

SAMPLE NUMBERS Accurassay	SAMPLE NUMBERS Customer	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm
254934	156327	619	59	2757	6.54	32

SAMPLE NUMBERS Accurassay	SAMPLE NUMBERS Customer	U ppm	Au ppm	Hg ppm	Sr ppm	Cd ppm
254934	156327	N/A	<3	<3	258	1

SAMPLE NUMBERS Accurassay	SAMPLE NUMBERS Customer	Sb ppm	Bi ppm	V ppm	Ca %	P %
254934	156327	5	<3	56	5.39	0.10

SAMPLE NUMBERS Accurassay	SAMPLE NUMBERS Customer	La ppm	Cr ppm	Mg %	Ba ppm	Ti %
254934	156327	11	394	2.57	87	<0.01

SAMPLE NUMBERS Accurassay	SAMPLE NUMBERS Customer	B ppm	Al %	Na %	Si %	W ppm
254934	156327	N/A	1.47	0.06	0.01	3

SAMPLE NUMBERS Accurassay	SAMPLE NUMBERS Customer	Be ppm
254934	156327	2

ASSOCIATION OF THE CHEMICAL PROFESSION OF ONTARIO
CHARTERED
Dr. G. Duncan
CHEMIST

Per: G. Duncan

LF-30

ORIGINAL

ACCURASSAY LABORATORIES

A DIVISION OF BARRINGER LABORATORIES LIMITED, REXDALE, ONTARIO
BOX 426
KIRKLAND LAKE, ONTARIO, CANADA P2N 3J1
TEL.: (705) 567-3361

President: Dr. GEORGE DUNCAN, M.Sc., Ph. D., C. Chem (Ont.), C. Chem (U.K.), M.C.I.C., M.R.S.C., A.R.C.S.T.

HOUSTON LAKE

43989 **Certificate of Analysis**

J.L. Tindale & Assoc. Inc.
907-110 Erskine Ave.
Toronto, Ontario
M4P 1Y4

April 2nd, 1992

Work Order # : 920111

SAMPLE NUMBERS		Gold	Gold	Copper
Accurassay	Customer	ppb	Oz/T	ppm
254934	156327	14	<0.001	61
254934	156327	9	<0.001	-

ASSOCIATION OF THE CHEMICAL PROFESSION OF ONTARIO
CHARTERED
Dr. G. Duncan
CHEMIST

Per: G. Duncan

LF-30

ORIGINAL

ACCURASSAY LABORATORIES

A DIVISION OF BARRINGER LABORATORIES LIMITED, REXDALE, ONTARIO
BOX 426
KIRKLAND LAKE, ONTARIO, CANADA P2N 3J1
TEL.: (705) 567-3361

President: Dr. GEORGE DUNCAN, M.Sc., Ph. D., C. Chem (Ont.), C. Chem (U.K.), M.C.I.C., M.R.S.C., A.R.C.S.T.

44678 # Certificate of Analysis

J.L. Tindale & Assoc. Inc.
907-110 Erskine Ave.
Toronto, Ontario
M4P 1Y4

December 13 91

Work Order # : 911413
Project :

SAMPLE NUMBERS		Nickel
Accurassay	Customer	ppm
252731	156326	1700

Per: _____

LF-30

ORIGINAL

ACCURASSAY LABORATORIES

A DIVISION OF BARRINGER LABORATORIES LIMITED, REXDALE, ONTARIO
BOX 426
KIRKLAND LAKE, ONTARIO, CANADA P2N 3J1
TEL.: (705) 567-3361

President: Dr. GEORGE DUNCAN, M.Sc., Ph. D., C. Chem (Ont.), C. Chem (U.K.), M.C.I.C., M.R.S.C., A.R.C.S.T.

HOUSTON LAKE

44781

Certificate of Analysis

J.L. Tindale & Assoc. Inc.
907-110 Erskine Ave.
Toronto, Ontario
M4P 1Y4

January 8 1992

Work Order # 911413
Project:

SAMPLE NUMBER Accurassay	Customer	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm
252731	156326	1	51	22	41	1.7

SAMPLE NUMBER Accurassay	Customer	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm
252731	156326	784	70	1286	4.94	119

SAMPLE NUMBER Accurassay	Customer	U ppm	Hg ppm	Sr ppm	Cd ppm	Sb ppm
252731	156326	N/A	<3	139	1	<2

SAMPLE NUMBER Accurassay	Customer	Bi ppm	V ppm	Ca %	P %	La ppm
252731	156326	<3	26	3.94	N/A	1

SAMPLE NUMBER Accurassay	Customer	Cr ppm	Mg %	Ba ppm	Ti %	B ppm
252731	156326	76	1.51	40	0.01	451

SAMPLE NUMBER Accurassay	Customer	Al %	Na %	Si %	W ppm	Be ppm
252731	156326	0.54	0.07	0.01	7	1.4

ASSOCIATION OF THE CHEMICAL PROFESSION OF ONTARIO
CHARTERED
Dr. G. Duncan
CHEMIST

Per: G. Duncan

LF-30

ORIGINAL

Ontario

900

Ministry of Northern Development and Mines

Ministère du Développement du Nord et des Mines

Mining Lands Branch
Geoscience Approvals Section
933 Ramsey Lake Road
6th Floor
Sudbury, Ontario
P3E 6B5

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

December 15, 1992

Our File: 2.14760
Transaction #W9280.00198

Mining Recorder
Ministry of Northern Development
and Mines
4 Government Road East
Kirkland Lake, Ontario
P2N 1A2

Dear Sir/Madam:

Subject: APPROVAL OF ASSESSMENT WORK CREDITS ON MINING CLAIMS L1180346 ET AL IN MACMURCHY TOWNSHIP

The assessment work credits for the Geophysical and Geological Surveys filed under Sections 14 and 12 of the Mining Act Regulations have been approved as originally filed.

The approval date is December 1, 1992.

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

Yours sincerely,

for Ron C. Gashinski
Senior Manager, Mining Lands Branch
Mines and Minerals Division

LJ/jl
Enclosures:

cc: Resident Geologist
Cobalt, Ontario

Assessment Files Library
Toronto, Ontario

GAS.

Ministry of Northern Development and Mines
Ontario

Report of Work Conducted After Recording Claim

Mining Act

Transaction Number: W9280.00198

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.

2.14760

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)		Client No.
J. L. TINDALE		202125
Address		**Telephone No.**
907-110 ERSKINE AVE TORONTO ONT. M4P1Y4		416-481-5781
Mining Division	**Township/Area**	**M or G Plan No.**
LARDER LAKE	MACMURCHY	G 988
Dates Work Performed From: July 1 '92	To: SEPT. 27 1992	

Work Performed (Check One Work Group Only)

	Work Group	Type
	Geotechnical Survey	LINECUTTING, HLEM SURVEY, GEOLOGICAL SURVEY
	Physical Work, Including Drilling	
	Rehabilitation	
	Other Authorized Work	
	Assays	
	Assignment from Reserve	

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OCT 19 1992
MINING LANDS BRANCH

Total Assessment Work Claimed on the Attached Statement of Costs $ 11623

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
J.L. TINDALE (AUTHOR)	907-110 ERSKINE AVE., TORONTO, ONTARIO, M4P1Y4
ROY ANNETT	SHINING TREE ONTARIO P0M 2X0
MARK TINDALE	549 MANLY ST., Midland, ONT. L4R 3G2
TECH TERREX INC.	199 Sheraton Court, OAKVILLE, ONT. L6L 5N3

(attach a schedule if necessary)

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

	Date	Recorded Holder or Agent (Signature)
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.	SEPT 27 '92	J. L. Tindale

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 its completion and annexed report is true.

Name and Address of Person Certifying: J.L. TINDALE 907-110 ERSKINE AVE TORONTO ONTARIO M4P1Y4

Telepone No.	Date	Certified By (Signature)
416-481-5781	SEPT. 27 1992	J. L. Tindale

For Office Use Only

Total Value Cr. Recorded	Date Recorded	Mining Recorder	Received Stamp
$11623.	October 6/92.		RECEIVED LARDER LAKE MINING DIVISION OCT 6 1992
	Deemed Approval Date: January 4/93	Date Approved	
	Date Notice for Amendments Sent		

TIME 10:47 a.m.

0241 (03/91)

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
	1180346	1	968	968		
	1180347	1	968	968		
	1180348	1	968	968		
	1151281	4	3872	3872		
	1151282	2	1936	1936		
	1151283	1	968	968		
	1151287	2	1943 ~~1936~~	1943		
	7		11623	11623		
	Total Number of Claims		Total Value Work Done	Total Value Work Applied	Total Assigned From	Total Reserve

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MINING LANDS BRANCH

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 priorize the deletion of credits. Please mark (✓) one of the following:

1. ☐ Credits are to be cut back starting with the claim listed last, working backwards.
2. ☑ Credits are to be cut back equally over all claims contained in this report of work.
3. ☐ Credits are to be cut back as priorized on the attached appendix.

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

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LARDER LAKE
MINING DIVISION

Note 1: Examples of beneficial interest are unrecorded transfers, option agreements, agreements, etc., with respe 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

TIME

0241 (03/91)

Ministry of Northern Development and Mines
Ontario
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

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 quesiton sur la collece de ces renseignements au chef provincial des terrains miniers, ministère du Développement du Nord et des Mines, 159, rue Cedar, 4e 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	2700	
	Field Supervision Supervision sur le terrain	1050	3750
Contractor's and Consultant's Fees Droits de l'entrepreneur et de l'expert-conseil	Type GEOLOGIST	5950	
	TECHTERREX	665	
			6615
Supplies Used Fournitures utilisées	Type ASSAYS	408	
	RECEIVED		
	OCT 19 1992		
			408
Equipment Rental Location de matériel	MINING LANDS BRANCH BOAT & MOTOR	700	
	CHAINSAW	150	
			850
	Total Direct Costs Total des coûts directs		11623

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 4X4 TRUCK	390	
	Mileage	81	
			471
Food and Lodging Nourriture et hébergement	Spruce Shilling Lodge + Food	1186.36	1186.36
Mobilization and Demobilization Mobilisation et démobilisation			
	Sub Total of Indirect Costs Total partiel des coûts indirects		1657
Amount Allowable (not greater than 20% of Direct Costs) Montant admissible (n'excédant pas 20 % des coûts directs)			0
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**			11623

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

to make this certification

RECEIVED
LARDER LAKE
MINING DIVISION
OCT 6 1992

Signature J.R. Tindale Date SEPT 27/92

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.

0212 (04/91)

Nota : Dans cette formule, lorsqu'il désigne des personnes, le masculin est utilisé au sens neutre.

TIME 10:47 AM

REFERENCES

AREAS WITHDRAWN FROM DISPOSITION

M.R.O. – MINING RIGHTS ONLY

S.R.O. – SURFACE RIGHTS ONLY

M.+S. – MINING AND SURFACE RIGHTS

Description	Order No.	Date	Disposition	File
(R) SEC. 43/70	W-66/77	NOV.19/76	S.R.O.	188517
(R) SEC. 36/80	W-L2-90 NER	APR. 3/90	M+S	

xxxx Part of order W-L2-90 NER REOPENED by order O-ONT-06192 NER/CR effective March 16 1992 at 4:15 pm E.S.T.

xxxx Part of order W-L2-90 NER REOPENED by order O-ONT-07192 NER/CR dated March 23 1992 at 8:45 am E.S.T. This Order comes into effect at 7:00 AM E.S.T. on JUNE 1, 1992.

TOWNSHIP SUBJECT TO FORESTRY OPERATIONS

NOTES

NOTICE OF FORESTRY ACTIVITY

THIS TOWNSHIP/AREA FALLS WITHIN THE SHINGTREE MANAGEMENT UNIT AND MAY BE SUBJECT TO FORESTRY OPERATIONS THE MNR UNIT FORESTER FOR THIS AREA CAN BE CONTACTED AT

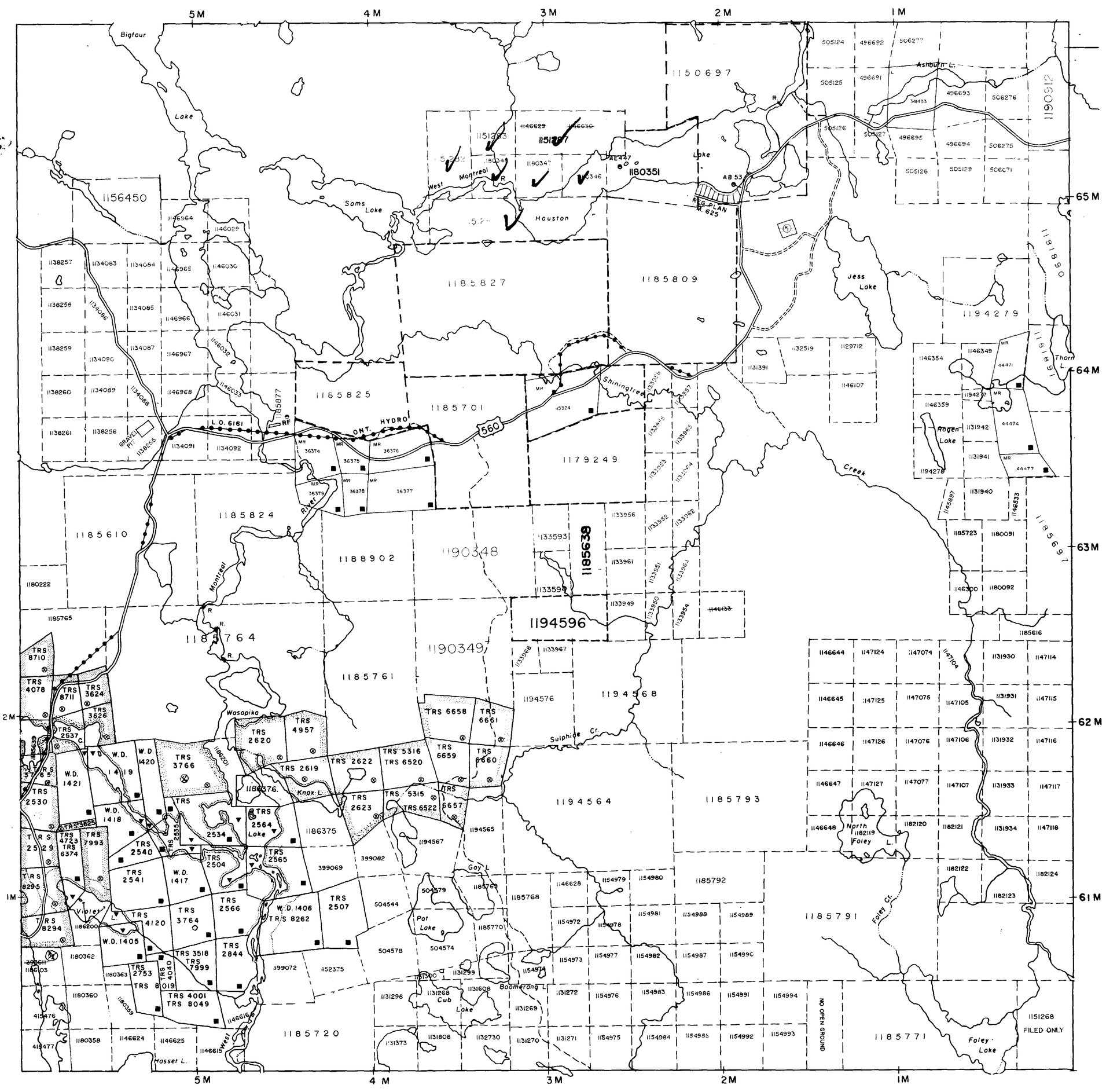
P.O. BOX 129
LOW AVENUE
GOGAMA, ONTARIO
POM-1WO
705-894-2000

NATAL TOWNSHIP

CHURCHILL TOWNSHIP

TYRRELL TOWNSHIP

FAWCETT TOWNSHIP



LEGEND

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

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	●
" , SURFACE RIGHTS ONLY	◒
" , MINING RIGHTS ONLY	◒
LEASE, SURFACE & MINING RIGHTS	■
" , SURFACE RIGHTS ONLY	■
" , MINING RIGHTS ONLY	■
LICENCE OF OCCUPATION	▼
ORDER-IN-COUNCIL	OC
RESERVATION	(R)
CANCELLED	⊗
SAND & GRAVEL	(R)

400. SURFACE RIGHTS RESERVATION ALONG THE SHORES OF ALL LAKES AND RIVERS

SCALE : 1:20000

METRES 500 0 1000

MILES 2640 0 2640

NOTES

MINING LEASES SHOWN THUS (X) HAVE BEEN TERMINATED BUT NOT THROWN OPEN TO STAKING

TWP OPENED TO STAKING – ORDER ML01-90 EFFECTIVE APRIL 3/90 AT 7.00 AM EST

GEOLOGY REFERENCE – COBALT RESIDENT GEOLOGIST

RECEIVED
OCT 19 1992
MINING LANDS BRANCH

DATE OF ISSUE
OCT 7 1992
LARDER LAKE
MINING RECORDER'S OFFICE

CIRCULATED JAN 30/92

TOWNSHIP

MACMURCHY

M.N.R. ADMINISTRATIVE DISTRICT

GOGAMA

MINING DIVISION

LARDER LAKE

LAND TITLES / REGISTRY DIVISION

SUDBURY

Ontario Ministry of Natural Resources
Ministry of Northern Development and Mines

Date APRIL 1990

Number G-988

G-988

GEOLOGY REFERENCE – COBALT RESIDENT GEOLOGIST

MACMURCHY TWP.

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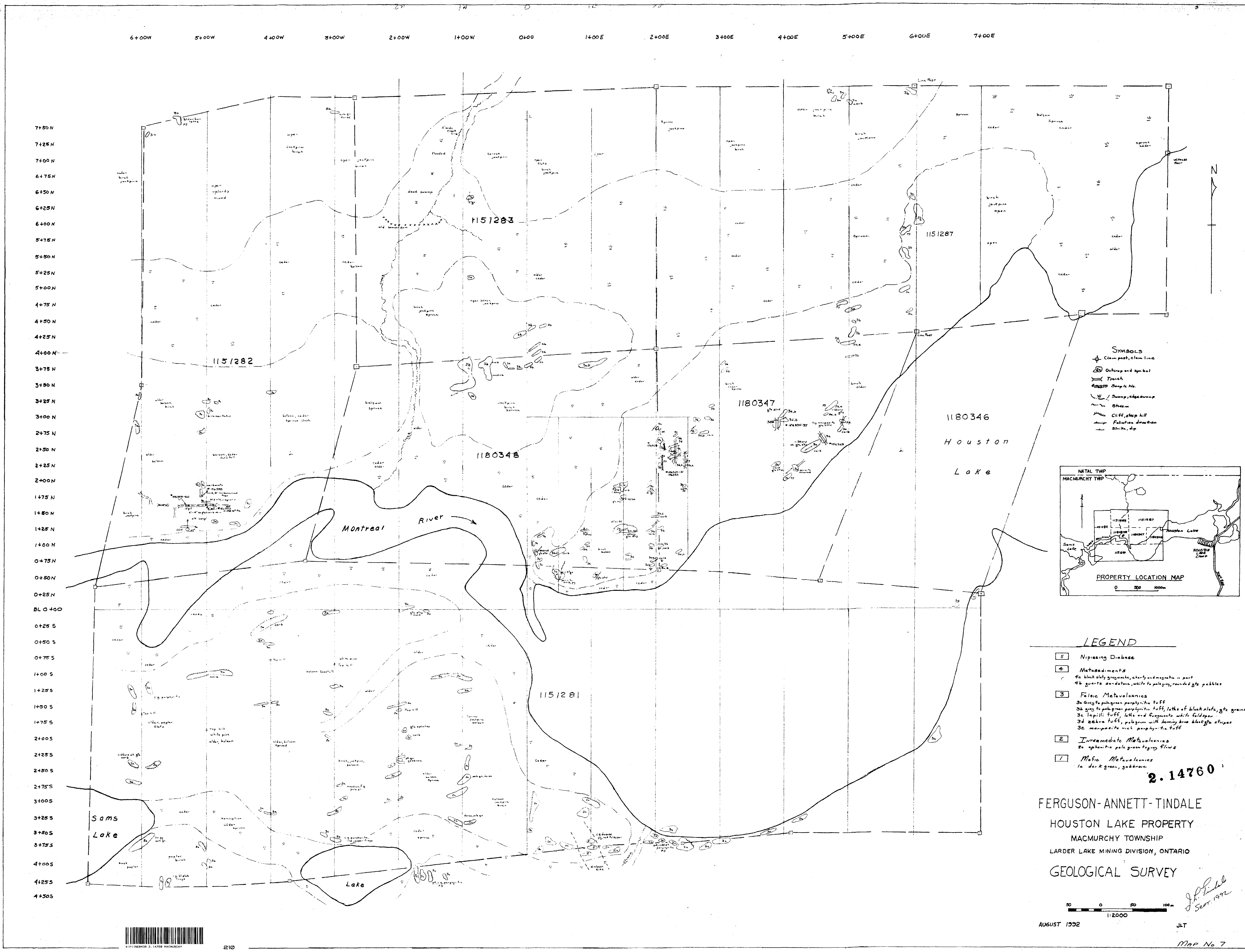
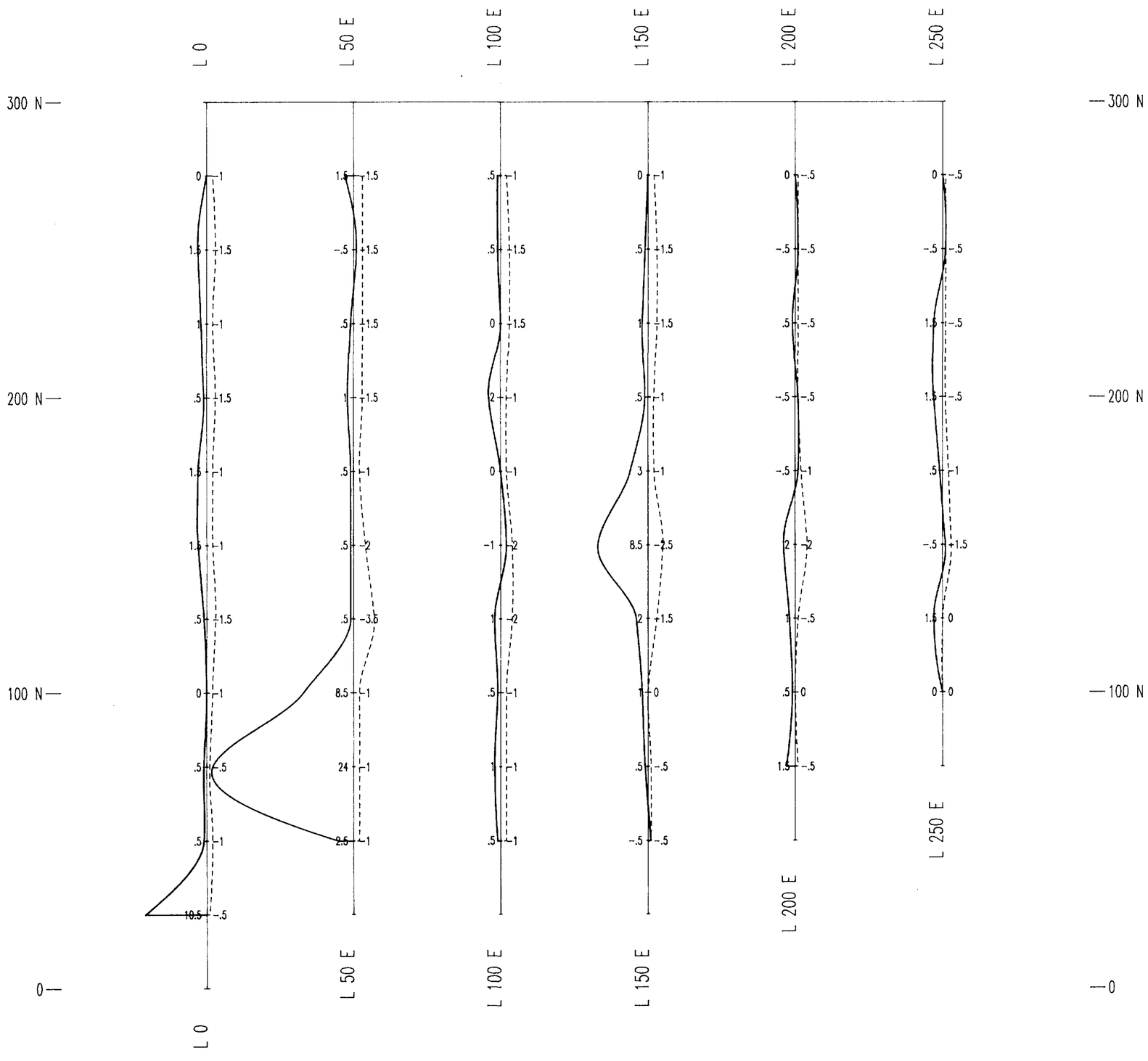
OCT 19 1992
MINING LANDS BRANCH

G-988



N
1151283
1151282
1151287
1180347
1180346
1180348
1151281
Houston Lake
Montreal River
Sams Lake
Lake
SYMBOLS
Claim post, claim line
Outcrop and symbol
Trench
Sample No.
Swamp, edge swamp
Stream
Cliff, steep hill
Foliation direction
Strike, dip
NATAL TWP
MACMURCHY TWP
PROPERTY LOCATION MAP
0 500 1000m
LEGEND
5 Nipissing Diabase
4 Metasediments
4a black slaty greywacke, cherty and magnetic in part
4b quartz sandstone, white to pale grey, rounded qtz pebbles
3 Felsic Metavolcanics
3a Grey to pale green porphyritic tuff
3b grey to pale green porphyritic tuff, laths of black slate, qtz grains
3c lapilli tuff, laths and fragments white feldspar
3d zebra tuff, pale green with herring bone black qtz stripes
3e mariposite rich porphyritic tuff
2 Intermediate Metavolcanics
2a aphanitic pale green to grey flows
1 Mafic Metavolcanics
1a dark green, gabbroic
2.14760
FERGUSON-ANNETT-TINDALE
HOUSTON LAKE PROPERTY
MACMURCHY TOWNSHIP
LARDER LAKE MINING DIVISION, ONTARIO
GEOLOGICAL SURVEY
50 0 50 100m
1:2000
AUGUST 1992
JLT
Sept. 1992
Map No 7
210



Declination: 11° W

LEGEND

Scale: 1:1000

Profile Scale: 5 % / cm.

Profile Base Level: 0 %

In-Phase Profile: ————————

Quadrature Profile: – – – – – – –

SURVEY SPECIFICATIONS

Instrument: Apex Parametrics Max Min II Plus

Frequency: 444 Hz.

Coil Separation: 50 m.

2.14760

Scale 1:1000

20 0 20 40 60

(metres)

FERGUSON, ANNETT, TINDALE SYNDICATE
Shining Tree Area Project

Houston Lake Grid

HORIZONTAL LOOP EM SURVEY
444 Hz. Postings & Profiles

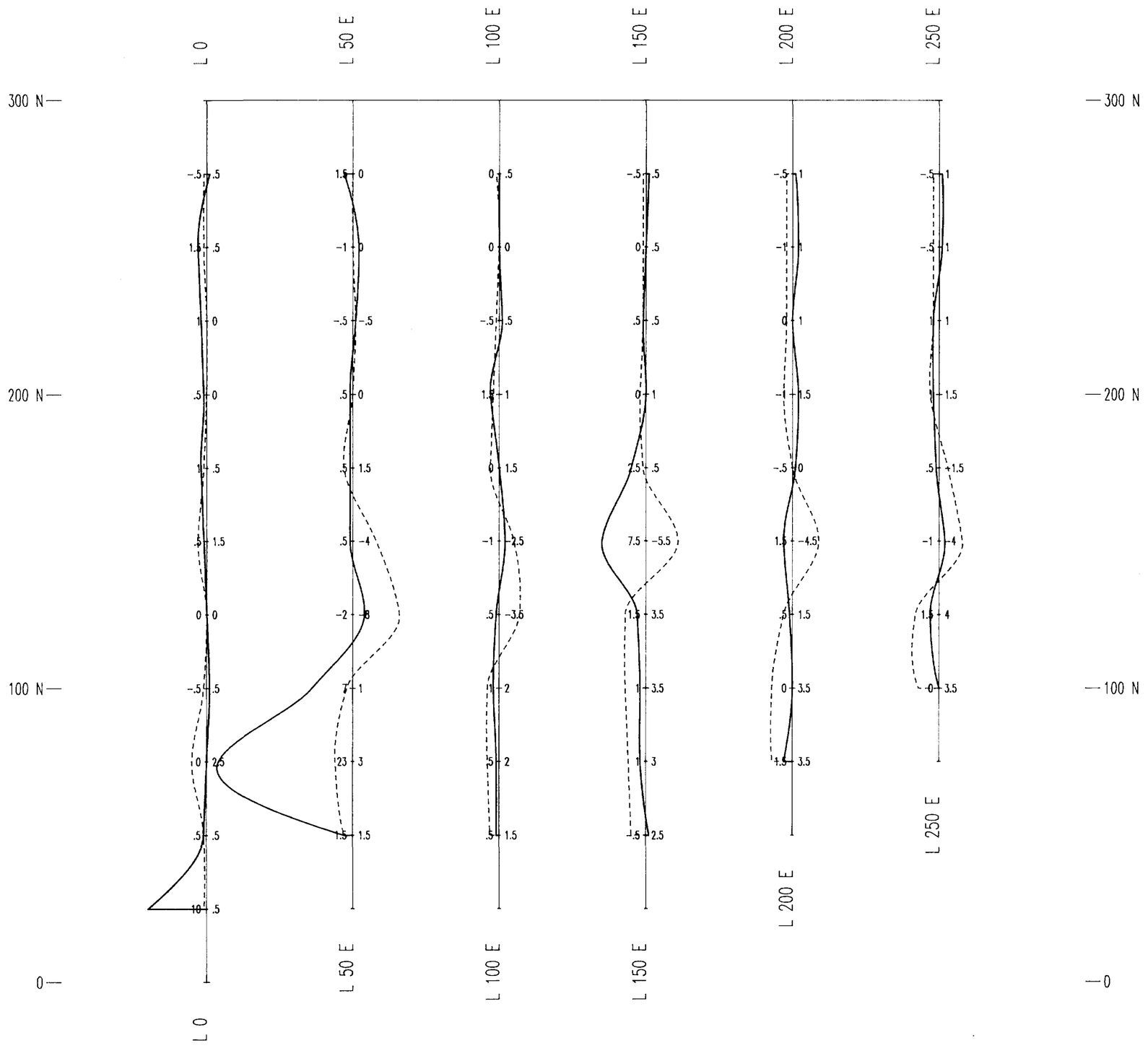
Macmurchy Township
Larder Lake Mining Division
Ontario

Sept '92

NTS: 41 P/11 Map No.

Survey & Presentation:
TechTerrex Inc.
Oakville, Ontario
August 1992

Map 4



Declination: 11° W

LEGEND

Scale: 1:1000

Profile Scale: 5 % / cm.

Profile Base Level: 0 %

In-Phase Profile: ————————

Quadrature Profile: - - - - - - - -

SURVEY SPECIFICATIONS

Instrument: Apex Parametrics Max Min II Plus

Frequency: 1777 Hz.

Coil Separation: 50 m.

2.14760

Scale 1:1000

20 0 20 40 60

(metres)

FERGUSON, ANNETT, TINDALE SYNDICATE
Shining Tree Area Project

Houston Lake Grid

HORIZONTAL LOOP EM SURVEY
1777 Hz. Postings & Profiles

Macmurchy Township
Larder Lake Mining Division
Ontario

Sept '92

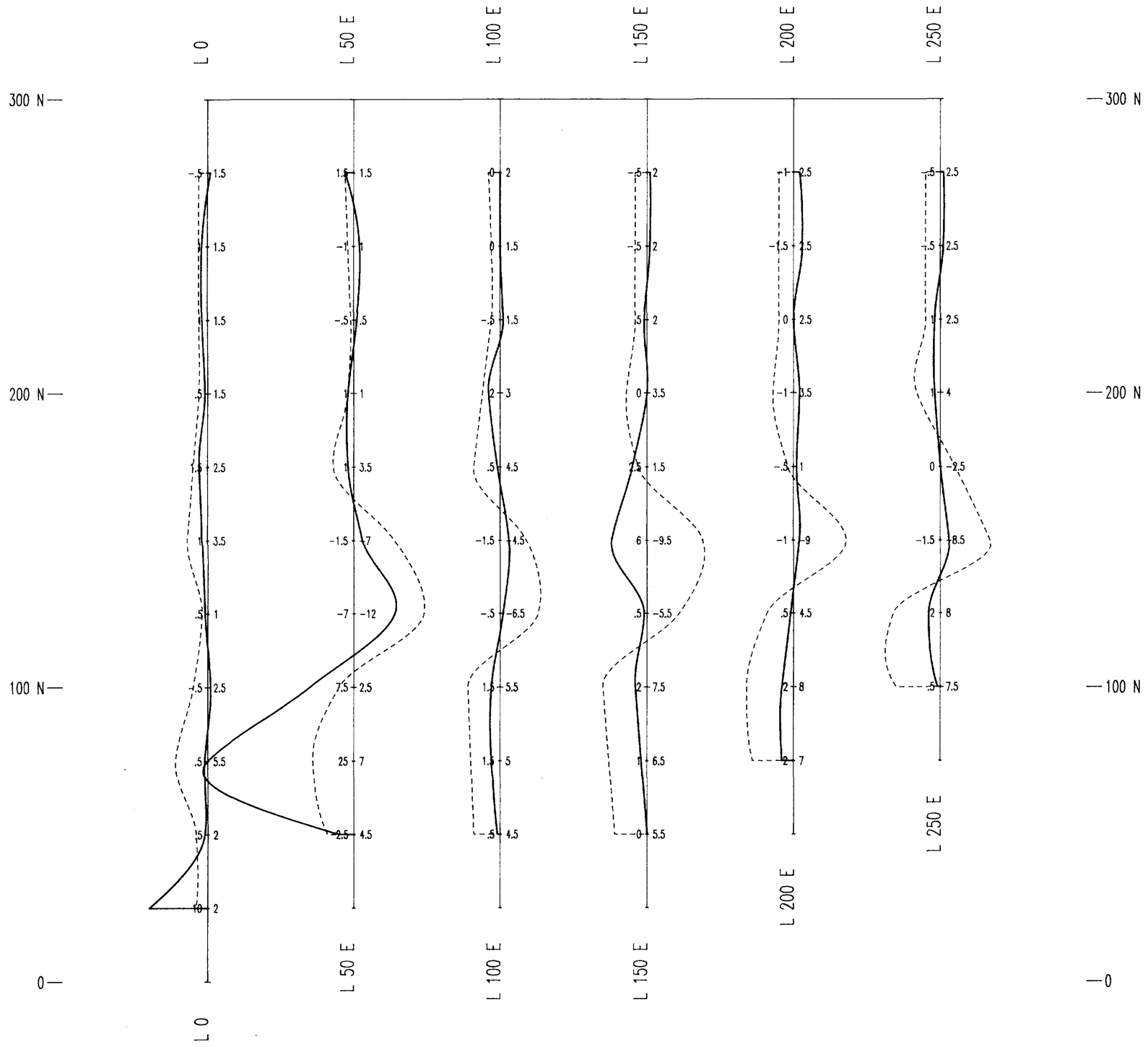
Map 5

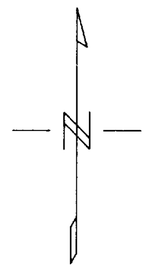
NTS: 41 P/11 Map No.

Survey & Presentation:
TechTerrex Inc.
Oakville, Ontario
August 1992

41P11NE0438 2.14760 MACMURCHY

230





Declination: 11° W

LEGEND

Scale: 1:1000

Profile Scale: 5 % / cm.

Profile Base Level: 0 %

In-Phase Profile: ——————

Quadrature Profile: - - - - - -

SURVEY SPECIFICATIONS

Instrument: Apex Parametrics Max Min II Plus

Frequency: 3555 Hz.

Coil Separation: 50 m.

2.14760

Scale 1:1000

20 0 20 40 60

(metres)

FERGUSON, ANNETT, TINDALE SYNDICATE
Shining Tree Area Project

Houston Lake Grid

HORIZONTAL LOOP EM SURVEY
3555 Hz. Postings & Profiles

Macmurchy Township
Larder Lake Mining Division
Ontario

NTS: 41 P/11 Map No.

Survey & Presentation:
TechTerrex Inc.
Oakville, Ontario
August 1992

Sept. '92

MAP 6

41P11NE0438 2.14760 MACMURCHY

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