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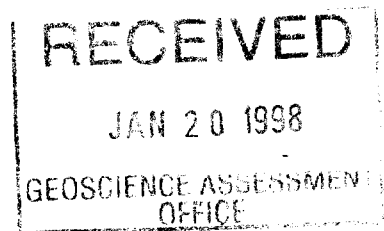
RPT. NO. S-97-9

Latitude: 47 13

Longitude: 79 30

**2. 18073**

EXPLORATION REPORT ON  
 HUMUS GEOCHEMICAL SURVEY  
 S.L. MOR PROJECT  
 POTHOLE PROPERTY  
 SOUTH LORRAIN TOWNSHIP  
 LARDER LAKE MINING DIVISION  
 ONTARIO  
 FOR  
 H.A. MOORE



F.J. SHARPLEY

AUGUST 1997



31M03NW0049 2.18073 SOUTH LORRAIN

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## SUMMARY

The Pothole Property consists of 3 non-patented mining claim units located in the South Lorrain area of the Larder Lake Mining Division of Ontario. The property lies on the eastern rim of the Cobalt Embayment where silver mining has produced 23 million ounces from 1908 to 1965.

During the period of June 25, 1997, humus geochemical surveys were carried out on the property to investigate VLF-EM conductor "E" for silver-cobalt mineralization that may possibly be northward extensions of the Keeley-Frontier and the Bellellen silver-cobalt-nickel veins in the Silver Centre area.

Two weak but significant humus geochemical anomalies for silver-nickel over a north-south strike length of 300 feet and arsenic-cobalt over a north-south strike lengths of 100 feet have been encountered in Keewatin volcanics and diabase along conductor "E".

Conductor "E" is possibly the faulted extension of the Bellellen vein north of the Forneri fault and conductors "F", "G" and "H" are possibly the Bellellen veins south of the Forneri fault.

An exploration program is recommended to evaluate the humus geochemical anomalies along conductor "E" with mechanical stripping and the conductors "F", "G" and "H" with magnetometer, VLF-EM and humus geochemical surveys.

## 1.0 INTRODUCTION

Humus geochemical surveys have been authorized by H.A. Moore on the Pothole Property in South Lorrain Township, Larder Lake Mining Division, Ontario. The soil geochemical survey was designed to evaluate conductor "E" for the economic potential of silver and cobalt mineralization; North-south structures that may be extensions of the Keeley or Bellellen veins.

The field work was carried out during June 25, 1997.

## 2.0 PROPERTY

### 2.1 Claims

The Pothole Property consists of 3 contiguous, non-patented mining claim units in South Lorrain Township in the Larder Lake Mining Division of Ontario (Figure 3).

The claims are numbered as follows:

1198614: 1 units: South Lorrain Township, Ontario

1200716: 1 unit:

1230521: 1 unit

The claims total 120 acres or 48 hectares and are registered in the name of H.A. Moore.

## 2.2 Location and Access

The property is located 26 km southeast of Cobalt, Ontario and 4 km west of Lake Timiskaming. Access is from Highway 11B at North Cobalt and south on Highway 567 to South Lorrain for 28 km. A branch road to Silver Centre or the Keeley Mine off the highway at 27 km extends for 700 metres to the Pothole claim group. The property straddles the road to Silver Centre. Ontario Hydro power lines pass within two miles of the property (Figure 1a).

## 2.3 Topography

The topography on the property is mainly outcrop ridges with intervening swampy valleys. Topographic relief on the property is approximately 20 metres. There are small beaver ponds on the lake on the southern part of the claim group. The forest cover is mixed with spruce, birch, poplar, balsam and alders.

The climate is typical of northern Ontario with snow cover and cold weather from mid November until May.

### 3.0 EXPLORATION HISTORY

The first geological map covering South Lorrain was published by Barlow (1899) with his report on the Nipissing and Temiscaming Region. The first geological report devoted entirely to South Lorrain was by Burrows (1909) and Knight (1922). The first detailed geological report to cover the township was by Todd (1925). Aeromagnetic coverage of the area in 1965 was provided by the GSC. McIlwaine (1970) provided the most recent work in ODM Geological Report 83 on Geology of South Lorrain Township at a scale of one inch to 1/2 mile.

There is evidence of considerable pitting and trenching that probably occurred during the period from 1907-1913 and from 1921-30 (Thompson 1959). The present claims L-1198614 (formerly RL471), L-1200716 (formerly RL474) were all patented claims at one time.

Larum Mines Limited held patented claim RL471 (now L-1198614). The claim was formerly known as the Taylor claim. Two shafts were put down on the claim by previous operators. The North shaft in the central part of the claim near old Highway 567 is said to be an inclined shaft 95 feet deep (McIlwaine 1970)(O.D.M. Annual Report 1962). The No. 1 shaft is near the south boundary of the claim, south of the Forneri Fault. Trenching was also carried out to the northeast. In 1963-64 Larum Mines Limited and Mining



Corporation of Canada (1964) Limited drilled 20 diamond drill holes on the southwest part of the claim (Compilation Map). The drilling indicates a roll in the subsurface diabase contact.

Claim RL474 (now L-1200716) was previously owned by J.H. Price. Three diamond drill holes were drilled along the west boundary of the claim for a total footage of 334 feet in the years 1960, 1962 and 1974 (Compilation Map).

In 1995 H.A. Moore carried out linecutting, magnetometer, VLF-EM and limited soil geochemical surveys over 4.25 line miles.

In 1997 H.A. Moore carried out limited soil geochemical surveys.

## 4.0 GEOLOGY

### 4.1 Regional Geology

The Pothole Property lies in the Abitibi Subprovince of the Superior Province of the Precambrian Shield. The project area is situated within the Cobalt Embayment and forms the part known as the South Lorrain or Silver Centre Mining Camp (Figure 2 & 5).

The Nipissing diabase in the South Lorrain area forms a dome structure with the axis striking north-northeast. The older Keewatin metavolcanics, Coleman conglomerate, Firstbrook laminated quartzites and Lorrain feldspathic quartzites over and underlay the diabase sheet.

Prominent northwest faults (Maidens Lake) and north-northeast faults (Beaver Lake) cross the area.

### 4.2 Property Geology

The Pothole Property lies within the Cobalt Embayment on the eastern rim (Figure 1 & 5) composed of Archean and Proterozoic rocks. The rocks on the property consist of Keewatin metavolcanics, Cobalt Group Coleman conglomerate and Nipissing diabase.

The Forneri Fault crosses the southern part of the property in an east-west direction. The formations are striking northerly and dipping at a shallow angle to the west at 15-30 degrees (Compilation Map).

## 5.0 MINERALIZATION

### 5.1 REGIONAL MINERALIZATION

Production from the South Lorrain Mining Camp from 1908 to 1965 totalled 23 million ounces of silver, 3.5 million pounds of cobalt, 63,450 pounds of nickel and 10,292 pounds of copper. The most production was from the years 1909 to 1913 and from 1922 to 1931 with the main production totalling 82 percent from the Keeley and Frontier Mines (Figure 5).

The silver occurs in the native state in carbonate veins and vein systems. These veins systems have a close relationship with the Huronian-Archean unconformity where Nipissing diabase sills and steeply dipping Archean volcanic sequences coincide. The vein systems are fault controlled.

In the South Lorrain area the production has come mainly from the 300 feet of metavolcanics overlying the diabase dome on the western flank in vein systems striking north or northeasterly but a minor production has come from the diabase. The ore is mainly native silver, cobaltite and niccolite in calcite veins. The South Lorrain area has an unusual occurrence of secondary enrichment due to deep pre-glacial oxidation on the Wood's vein at the Keeley mine (McIlwaine 1970).

## 5.2 Property Mineralization

On claim L-1198614 (formerly RL471) there are two old one-compartment shafts in Keewatin volcanic. The North shaft in the central part of the claim near old Highway 567 is said to be 75 to 100 feet deep. The shaft was put down on a fracture in the metavolcanics. Trenching was carried out on a showing east of the shaft. The No. 1 shaft is near the south boundary of the claim, south of the east-west striking Forneri Fault (McIlwaine 1970). The North shaft has a vein (Figure 5) which extends north and south. Cobalt bloom was seen in the trench north of the shaft where the vein dips at 65 degrees east (notes by Thompson Nov. 10, 1950).

There is no complete record of this work and the surface expression of these shafts is not evident today.

The Bellellen vein strikes north on claim 1230521 (formerly RL471). This vein produced 38,027 oz. Ag, 28,481 pounds Co and 13,404 pounds of nickel intermittently between 1910 and 1943 (McIlwaine 1970). Numerous diamond drill holes by Larum and Mining Corp in 1963-64 attempted to locate the northward extension of the vein on claim L-1198614 without success (Compilation Map).

## 6.0 CURRENT WORK CARRIED OUT

### 6.1 Soil Geochemical Survey

During the period of June 25, 1997 the writer collected 39 humus samples from the Pothole Property.

The humus samples were analyzed for silver, arsenic, cobalt, nickel and copper by Swastika Laboratories (a division of TSL/Assayers Inc.) at Swastika, Ontario. The humus samples were analyzed using the fire assay and atomic absorption method. The results of the humus geochemical survey are plotted for each element at a scale of 1:2500.

Humus sample profiles were taken across VLF-EM conductor "E" in order to evaluate for silver-cobalt mineralization.

## 7.0 DISCUSSION OF RESULTS

### 7.1 Soil Geochemical Survey

Of the 39 humus samples analyzed in 1997 on the Pothole Property, 12 are anomalous for arsenic, 12 for nickel, 4 for cobalt, 12 for silver and 4 for copper. The peak value for arsenic is 680 ppm at 16+25E-4+00S, for nickel is 65 ppm at 16+00E-2+00N, for cobalt is 32 ppm at 16+25E-4+00S and for silver is 1.8 ppm at 16+25E-0+00. The background value for arsenic is 5 ppm, for nickel is 20 ppm, for cobalt is 5 ppm, for silver is .5 ppm and for copper is 25 ppm.

A weak geochemical humus anomaly for silver and nickel occurs over conductor "E" along a north-south strike length of 300 feet at 16+25E from 1+00S to 2+00N (Compilation Map). Geologically this occurs in Keewatin volcanics at the upper diabase contact.

A weak soil geochemical anomaly for arsenic and cobalt occurs over a short north-south strike length of 100 feet on line 16+25E at 3+00S to 4+00S. This anomaly occurs in Keewatin volcanics at the upper diabase contact (Compilation Map).

## 8.0 CONCLUSIONS AND RECOMMENDATIONS

Two weak but significant humus geochemical anomalies were encountered on the Pothole Property along conductor "E."

The northern anomaly is geochemical anomalous in the humus for silver and nickel over an north-south strike length of 300 feet in Keewatin volcanics at the upper contact of the diabase. A weak humus geochemical anomaly over a 100 foot strike length for arsenic and cobalt occurs on line 16+25E at 3+00S to 4+00S in Keewatin volcanics at the upper diabase contact. (Compilation Map).

Conductors "F", "G" and "H" may be north-south structures that have not been adequately tested by previous work as extensions of the Bellellen structures. The Forneri fault is probably an east-west post ore fault. A grid with east-west lines should be constructed on claim 1230521 to investigate these north-south conductors south of the Forneri fault to determine if they are continuations of the Bellellen veins. Conductor "E" over a strike length of 800 feet is the only north-south anomaly. This conductor occurs geologically along the Keewatin volcanic-Nipissing diabase contact. It is possibly a 1000 foot faulted displacement of the Bellellen vein (Compilation Map).



An exploration program is recommended to evaluate the silver-nickel and the arsenic-cobalt humus geochemical anomalies along conductor "E" with mechanical stripping.

In addition a grid with east-west lines should investigate the continuation of conductors "F", "G" and "H" on claim 1230521 with magnetometer, VLF-EM and humus geochemical surveys.

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H.A. Moore

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(1997)

## CERTIFICATE OF QUALIFICATION

I, Frederick James Sharpley of the City of Burlington, Province of Ontario, do hereby certify:

1) That I am a consulting geologist and reside at 2372 Sinclair Circle, Burlington, Ontario, L7P 3C3.

2) That I graduated from the University of Saskatchewan, Saskatoon, Saskatchewan, holding a degree of Bachelor of Arts, Geology (1959).

3) That I am a Fellow of the Geological Association Of Canada.

4) That I have practised my profession as a mineral exploration geologist for a period of 35 years.

5) That I personally was involved with the technical supervision of the work and the report.

6) That I have no financial interest in the Pothole Property.

Burlington Ontario

August 16, 1997.



*F. J. Sharpley*  
F. J. Sharpley

APPENDIX I :  
LIST OF FIGURES

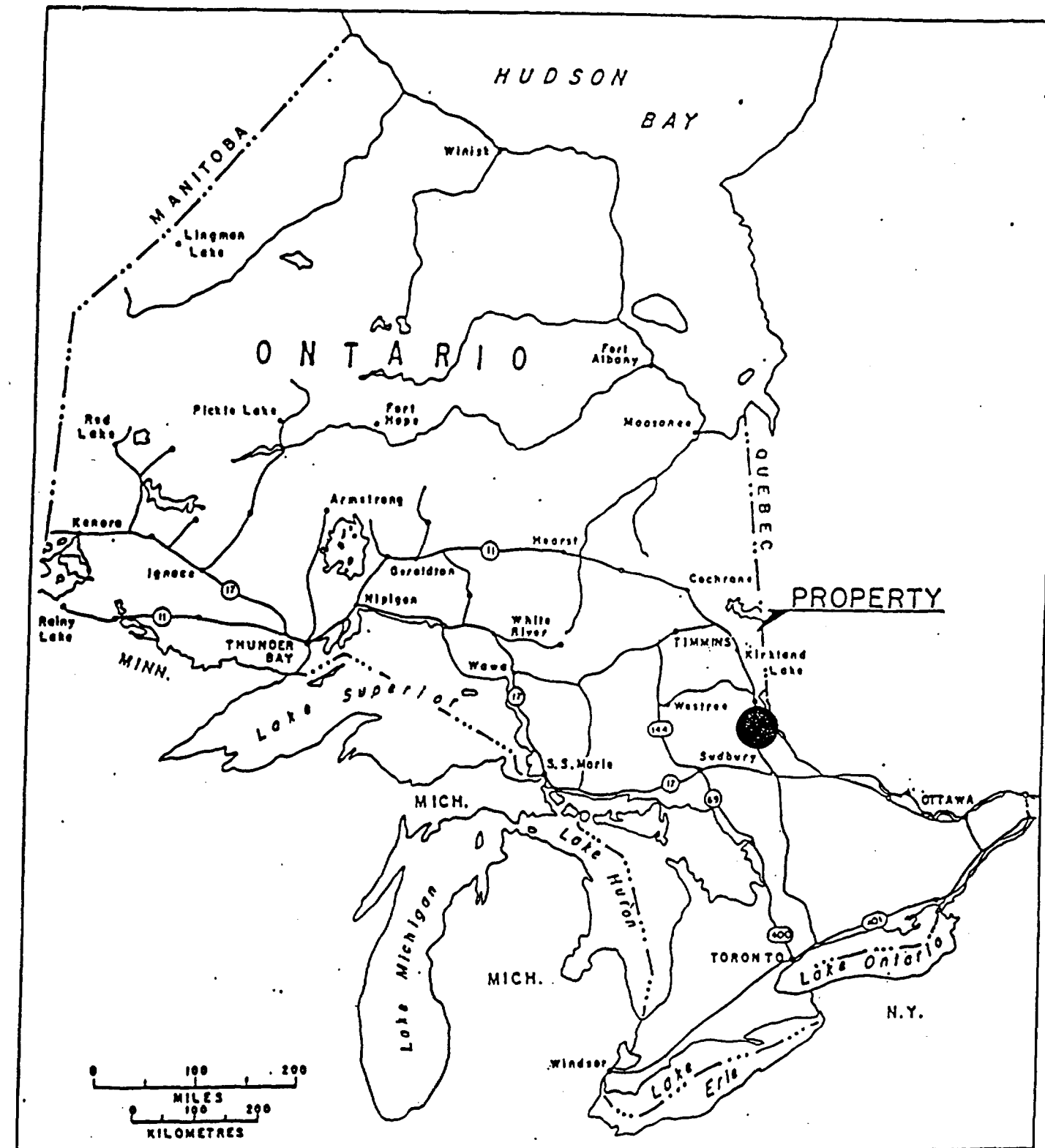
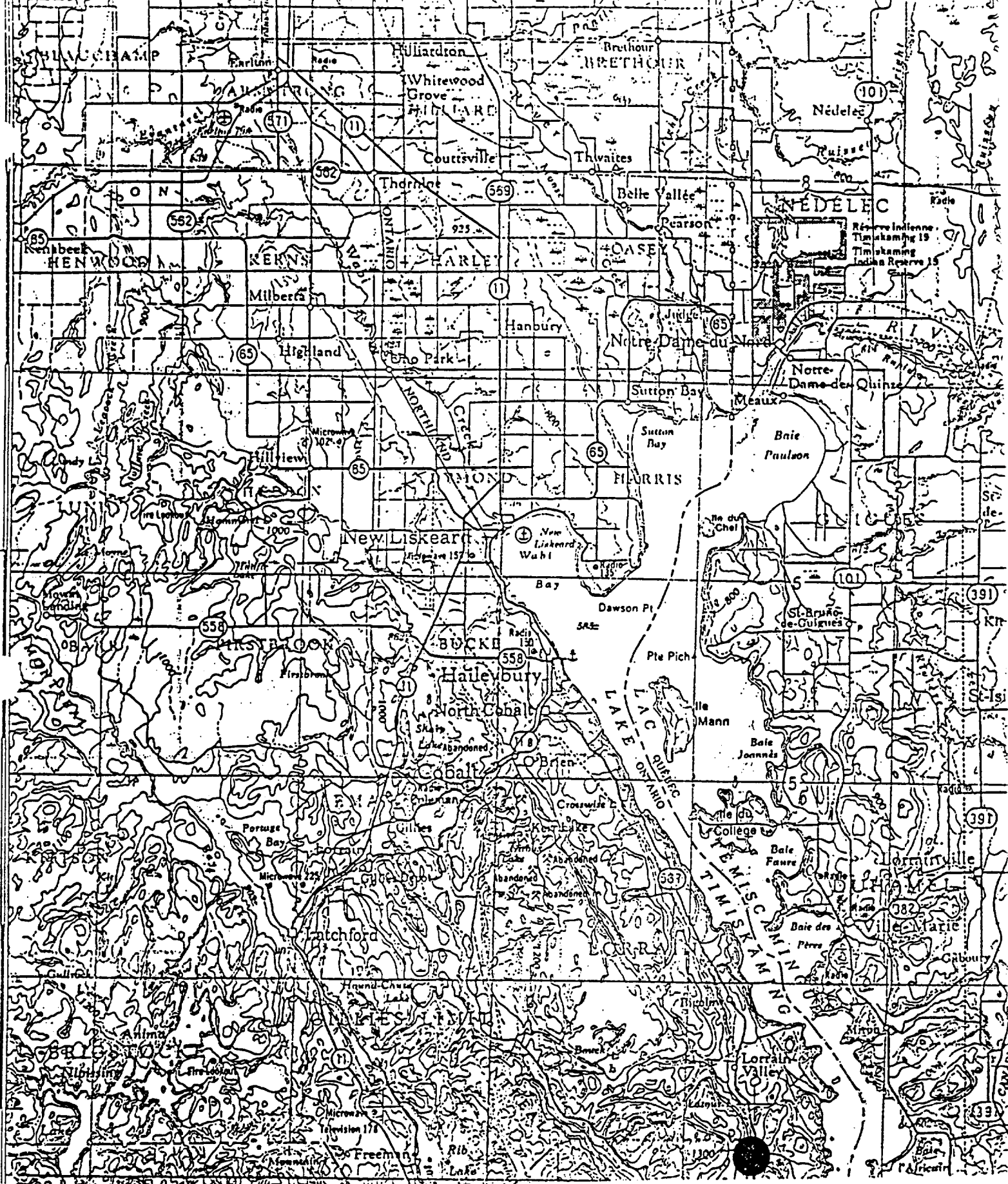


Fig. 1  
 H.A. MOORE  
 S.L. Mor Project  
 South Lorrain TWP., ONTARIO  
 LOCATION MAP



H.A. MOORE  
 S.L. MOR PROJECT  
 LOCATION MAP  
 SOUTH LORRAIN TOWNSHIP, ON  
 LARDER LAKE MINING DIVISION  
 SCALE: 1" = 4 miles

Fig. 1a

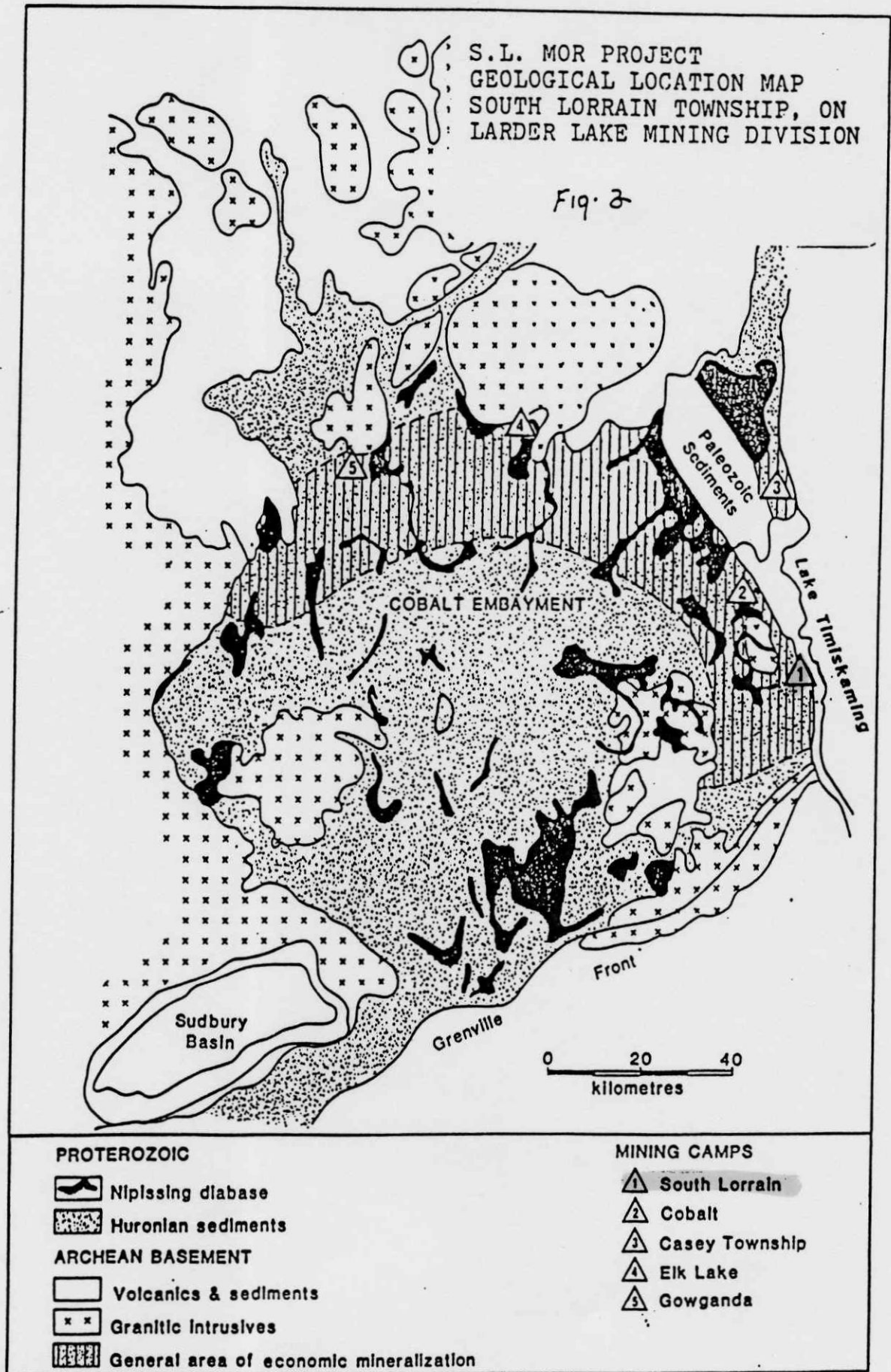
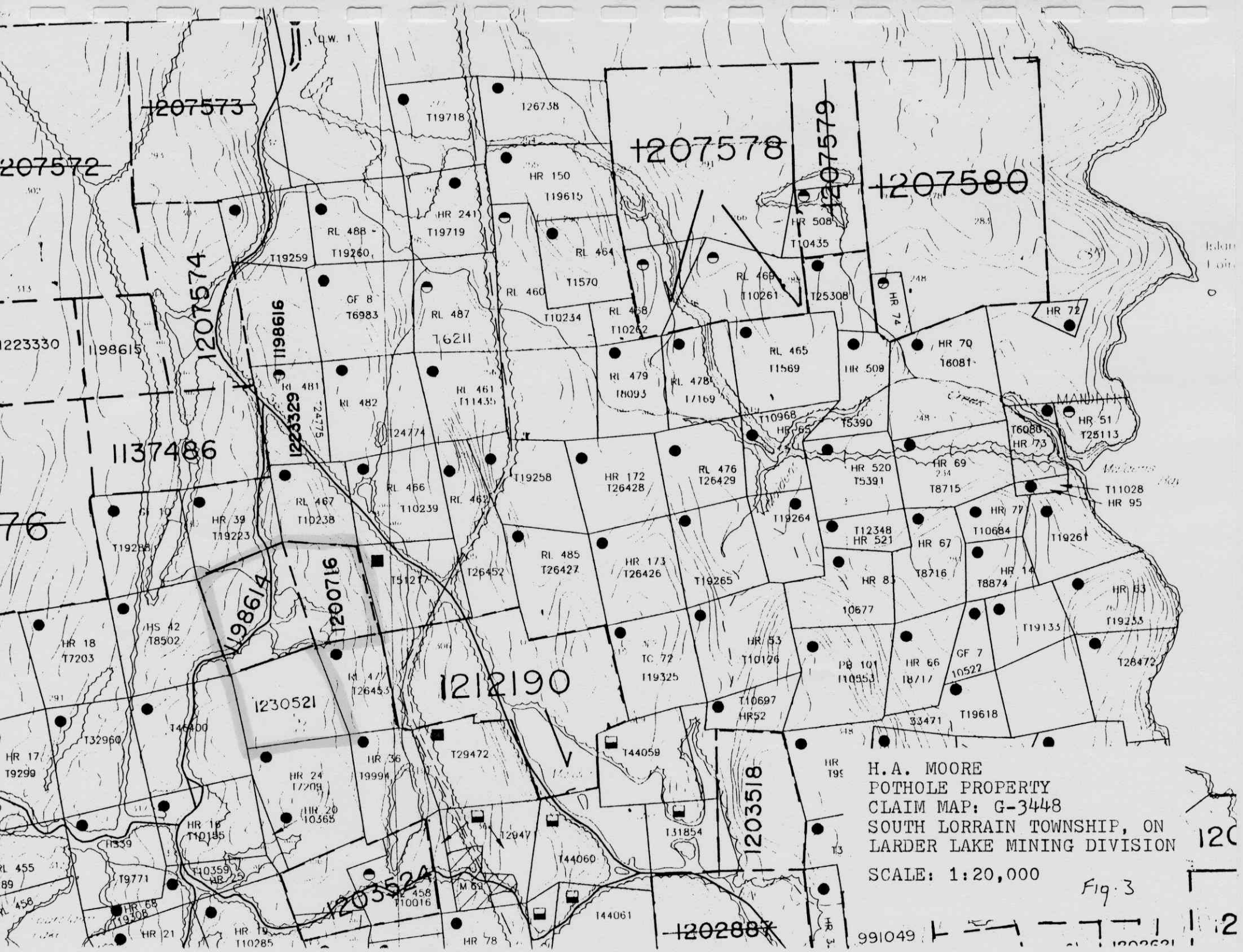


FIG. 2. Simplified geology of the Cobalt Embayment illustrating the general area encompassing economic deposits and most occurrences of Ag-sulpharsenide mineralization (modified from Ontario Geological Survey Map 2391).





H.A. MOORE  
 POTHOLE PROPERTY  
 CLAIM MAP: G-3448  
 SOUTH LORRAIN TOWNSHIP, ON  
 LARDER LAKE MINING DIVISION

SCALE: 1:20,000

Fig. 3

120  
 12

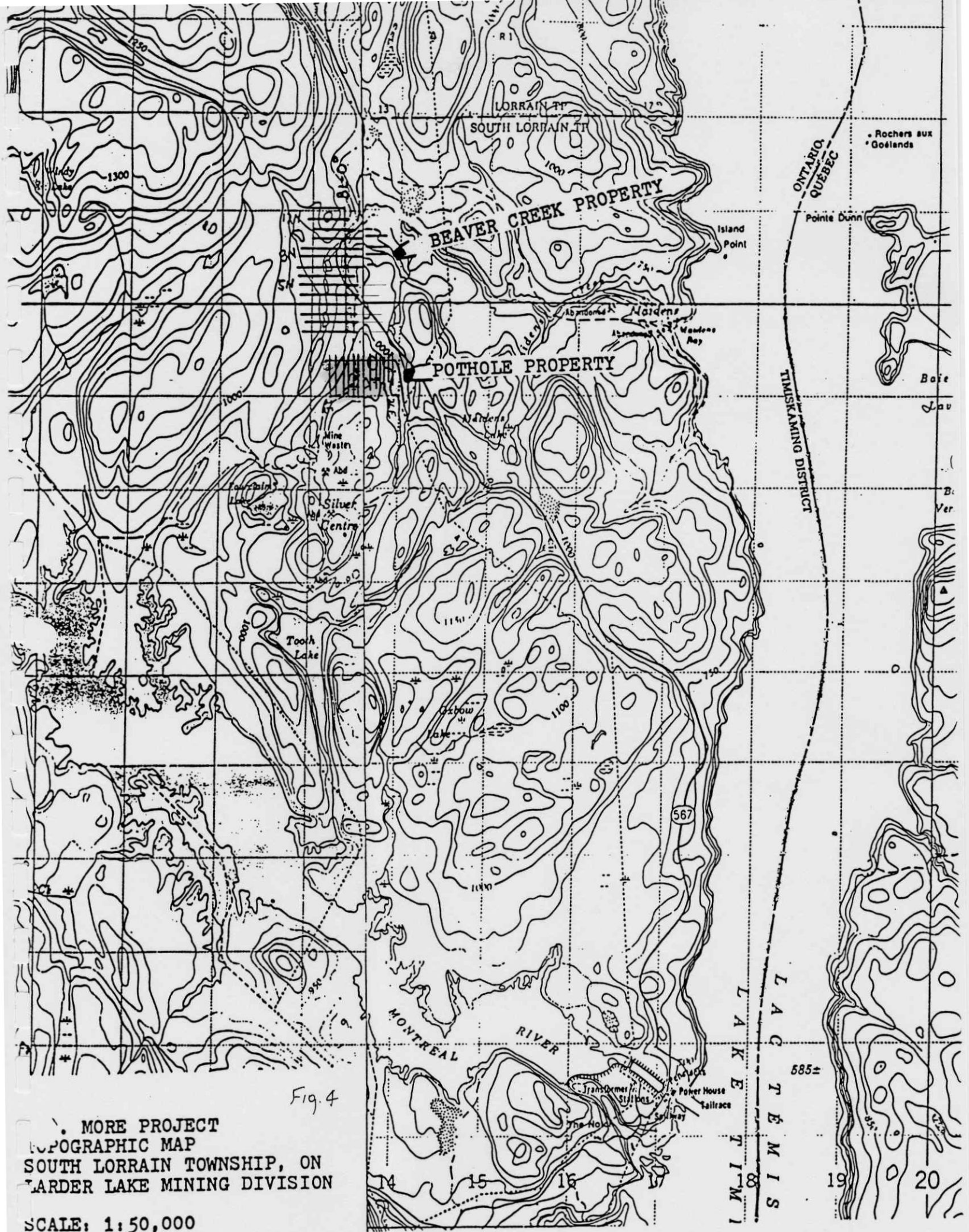


Fig. 4

MORE PROJECT  
 TOPOGRAPHIC MAP  
 SOUTH LORRAIN TOWNSHIP, ON  
 HARDER LAKE MINING DIVISION

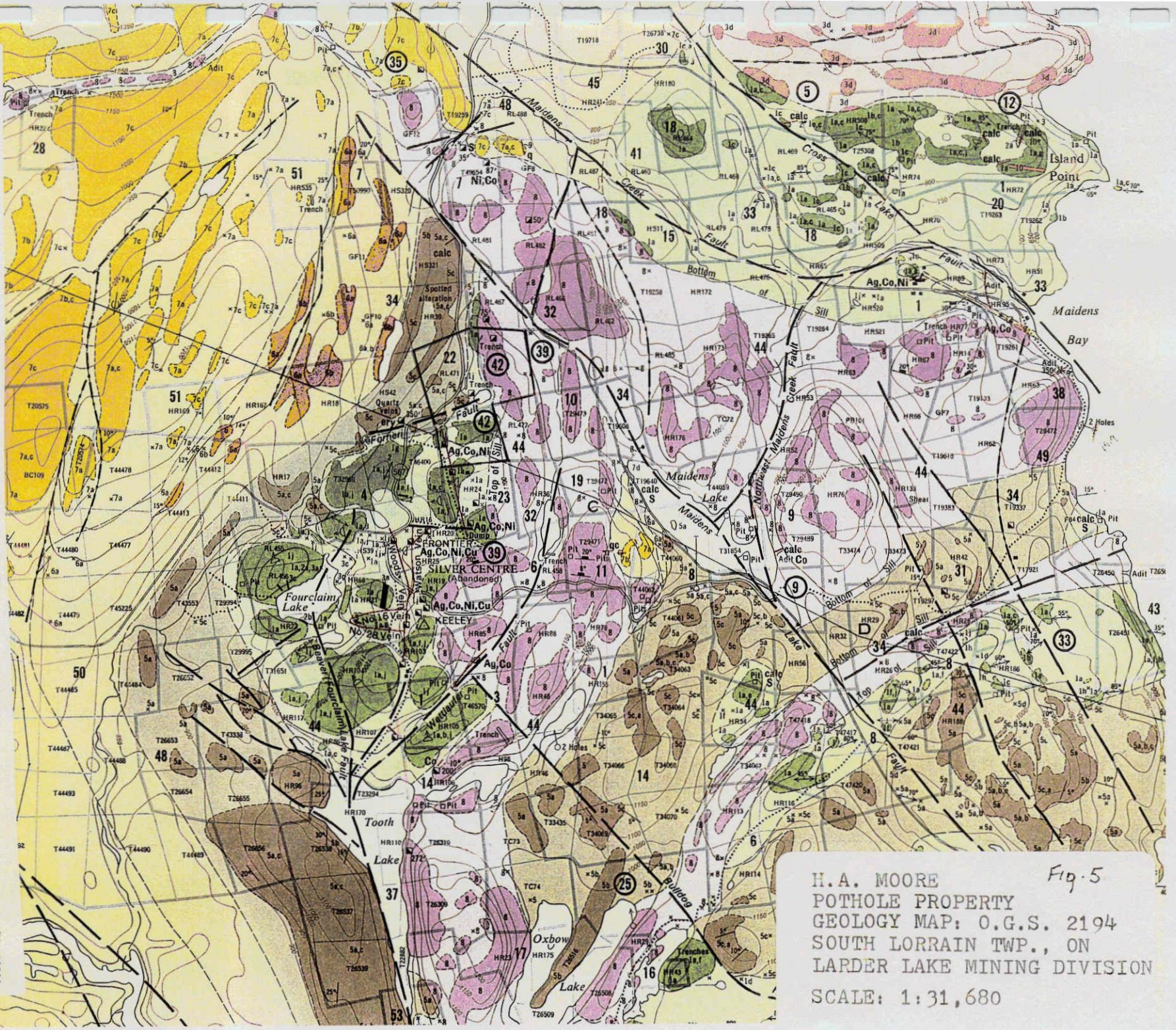
SCALE: 1:50,000

- LEGEND**
- CENOZOIC<sup>a</sup>**
- PLEISTOCENE AND RECENT  
Sand, gravel, till.
- UNCONFORMITY
- PRECAMBRIAN<sup>b</sup>**
- GRENVILLE PROVINCE**
- METASEDIMENTS**
- 12 Biotite-quartz-feldspar paragneisses.
- FAULT CONTACT**
- ROCKS NOT ASSIGNED TO SUPERIOR OR GRENVILLE PROVINCES**
- UNCLASSIFIED METASEDIMENTS<sup>d</sup>**
- 11 Quartzite and quartzite feldspathic paragneisses, characterized by open folds.
- FAULT CONTACT**
- SUPERIOR PROVINCE**
- PROTEROZOIC**
- LATE MAFIC INTRUSIVE ROCKS**
- 10 Olivine diabase (Koucouenan).
- 9 Diabase, undifferentiated (may be Melchouan age in part).
- 8a Quartz diabase.
- 8 Quartz diabase (Hepburn).
- INTRUSIVE CONTACT**
- MURONIAN**
- COBALT GROUP**
- LOWVILLE FORMATION<sup>d</sup>**
- 7 Undifferentiated.
- 7a Grey feldspathic quartzite.
- 7b Pale green to white quartzite.
- 7c Arkose.
- 7d Red quartzite.
- FIRSTBROOK FORMATION<sup>d</sup>**
- 6 Undifferentiated.
- 6a Laminated quartzite.
- 6b Quartzite.
- COLEMAN FORMATION<sup>d</sup>**
- 5 Undifferentiated.
- 5a Quartzite siltstone and greywacke.
- 5b Arkose.
- 5c Conglomerate.
- 5d Schistose rocks.
- 5e Laminated argillite.
- UNCONFORMITY**
- ARCHEAN**
- FELSIC TO INTERMEDIATE INTRUSIVE ROCKS<sup>d</sup>**
- 4 Quartz diorite.
- 3 Granitic rocks, undifferentiated.
- 3a Hornblende granite.
- 3b Laminated granite.
- 3c Gneissoidite.
- 3d Quartz monzonite.
- INTRUSIVE CONTACT**
- EARLY MAFIC INTRUSIVE ROCKS<sup>d</sup>**
- 2 Lamprophyre, undifferentiated.
- 2a Hornblende lamprophyre.
- 2b Biotite lamprophyre.
- INTRUSIVE CONTACT**
- METAVOLCANICS AND METASEDIMENTS<sup>d</sup>**
- 1 Undifferentiated.
- 1a Intermediate to mafic metavolcanics.
- 1b Amygdaloidal basaltic rocks.
- 1c Metabasite, metapsalro, or diabasite flows.
- 1d Quartzite and greywacke.
- 1e Felsic metavolcanics with or without interbedded quartzite.
- 1f Pyroclastic rocks.
- 1g Quartz-feldspar schistosity.
- 1h Schist, mainly chloritic.
- 1i Pillow lava.

- Ag Silver.
- As Arsenic.
- Ca Calcite.
- Co Cobalt.
- Cu Copper.
- Ery Erythrite.
- Fe Nickel.
- Q Quartz.
- CaS Quartz carbonate.
- S Sulphide mineralization.

<sup>a</sup>Unconsolidated deposits. Cenozoic deposits are not differentiated on the map. For the most part they coincide with the lighter coloured parts of the map.

<sup>b</sup>Bedrock geology: Outcrops and inferred extensions of each rock mass unit are shown respectively in thick and light lines at the same colour. Where in places a (b) unit is too narrow to show colour and must be represented in black, a short black bar appears in the appropriate block.



H.A. MOORE  
 POTHOLE PROPERTY  
 GEOLOGY MAP: O.G.S. 2194  
 SOUTH LORRAIN TWP., ON  
 LARDER LAKE MINING DIVISION  
 SCALE: 1:31,680

APPENDIX II:

ASSAY



# Swastika Laboratories

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## Geochemical Analysis Certificate

7W-2853-SG1

Company: **H.A. MOORE**

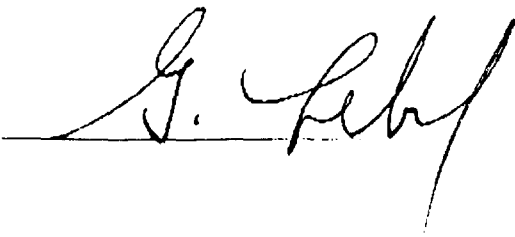
Date: JUL 24 97

Project: Pot Hole

Att: H.A. Moore

We hereby certify the following Geochemical Analysis of 39 Humus samples submitted JUN-30-97 by .

Sample Number	Ag PPM	As PPM	Co PPM	Cu PPM	Ni PPM
L16E-2+00N	1.5	8	4	48	65
L16E-1+50N	0.7	14	7	49	46
L16E-1+00N	0.6	<5	3	26	18
L16E-0+50N	0.7	<5	7	40	55
L16E-0+00	0.8	<5	7	33	45
L16E-0+50S	0.5	7	7	30	35
L16E-1+00S	1.1	11	5	37	58
L16E-1+50S	0.6	7	5	24	27
L16E-2+00S	0.4	45	5	26	25
L16E-2+50S	0.4	348	19	33	33
L16E-3+00S	0.4	70	18	23	24
L16E-3+50S	0.5	12	6	26	23
L16E-4+00S	0.7	<5	4	28	25
L16+50E-2+00N	0.6	8	4	33	29
L16+50E-1+50N	1.1	<5	4	24	34
L16+50E-1+00N	0.6	<5	3	19	29
L16+50E-0+50N	1.3	7	6	70	71
L16+50E-0+00	1.8	7	8	68	81
L16+50E-0+50S	1.2	<5	5	40	38
L16+50E-1+00S	0.6	<5	5	32	27
L16+50E-1+50S	0.5	<5	4	17	8
L16+50E-2+00S	0.5	<5	7	46	28
L16+50E-2+50S	1.0	16	7	29	28
L16+50E-3+00S	0.6	87	5	32	26
L16+50E-3+50S	0.7	76	19	42	39
L16+50E-4+00S	0.5	680	32	29	41
L17+00E-2+00N	1.1	11	7	50	57
L17+00E-1+50N	1.7	8	4	62	42
L17+00E-1+00N	1.2	<5	3	34	40
L17+00E-0+50N	1.3	<5	7	44	55

Certified by 



# Swastika Laboratories

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Established 1928

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## Geochemical Analysis Certificate

7W-2853-SG1

Company: **H.A. MOORE**  
Project: Pot Hole  
Ann: H.A. Moore

Date: JUL 24 97

We hereby certify the following Geochemical Analysis of 39 Humus samples submitted JUN-30-97 by

Sample Number	Ag PPM	As PPM	Co PPM	Cu PPM	Ni PPM
L17+00E-0+00	0.7	<5	7	34	29
L17+00E-0+50S	1.3	7	5	35	38
L17+00E-1+00S	0.6	<5	5	25	20
L17+00E-1+50S	0.8	<5	8	33	27
L17+00E-2+00S	0.7	<5	5	33	28
L17+00E-2+50S	0.8	<5	8	35	37
L17+00E-3+00S	0.6	<5	3	22	21
L17+00E-3+50S	0.4	<5	8	21	22
L17+00E-4+00S	0.6	15	8	22	22

Certified by

Personal information Mining Act, the inform Questions about thi 933-Ramsey Lake R



31M03NW0049 2.18073 SOUTH LORRAIN

900

1 66(3) of the Mining Act. Under section 8 of the work and correspond with the mining land holder. Northern Development and Mines, 6th Floor,

**Instructions:** - Please type or print in ink.

**2.18073**

**1. Recorded holder(s) (Attach a list if necessary)**

Name <i>Hugh A. Moore</i>	Client Number <i>171975</i>
Address <i>38 Wellington St. N New Liskeard Ont. P.O. P.</i>	Telephone Number <i>705-647-5179</i>
	Fax Number <i>705-647-8714</i>
Name	Client Number
Address	Telephone Number
	Fax Number

**2. Type of work performed: Check (✓) and report on only ONE of the following groups for this declaration.**

Geotechnical: prospecting, surveys, assays and work under section 18 (regs)       Physical: drilling, stripping, trenching and associated assays       Rehabilitation

Work Type <i>LINE GRID for SAMPLING SOIL SAMPLING. ASSAYING.</i>	Office Use
	Commodity
	Total \$ Value of Work Claimed <i>1,550</i>
Dates Work Performed From <i>23</i> Day <i>6</i> Month <i>97</i> Year To <i>26</i> Day <i>6</i> Month <i>97</i> Year	NTS Reference
Global Positioning System Data (if available) <i>LAT 47-13 LONG 79-30 UTS 31N/4</i>	Mining Division <i>Karder Lake</i>
Township/Area <i>SOUTH LORRAIN</i>	Resident Geologist District <i>Kirkland Lake</i>
M or G-Plan Number <i>G. 3448</i>	

Please remember to: - obtain a work permit from the Ministry of Natural Resources as required;  
- provide proper notice to surface rights holders before starting work;  
- complete and attach a Statement of Costs, form 0212;  
- provide a map showing contiguous mining lands that are linked for assigning work;  
- include two copies of your technical report.

**3. Person or companies who prepared the technical report (Attach a list if necessary)**

Name <i>Sea River Expl LTD</i>	Telephone Number <i>905-335-9609</i>
Address <i>2372 Sinclair Circle - Burlington ON.</i>	Fax Number
Name <i>Swastika Labs.</i>	Telephone Number <i>705-642-3244</i>
Address <i>Box 10 Swastika Ont. P.O. P.</i>	Fax Number
Name	Telephone Number
Address	Fax Number

RECEIVED  
LARDER LAKE  
MINING DIVISION

JAN 19 1998  
10:25  
AP

RECEIVED  
JAN 20 1998  
GEOSCIENCE ASSESSMENT OFFICE

**4. Certification by Recorded Holder or Agent**

I, Hugh A. Moore (Print Name), do hereby certify that I have personal knowledge of the facts set forth in this Declaration of Assessment Work having caused the work to be performed or witnessed the same during or after its completion and, to the best of my knowledge, the annexed report is true.

Signature of Recorded Holder or Agent <i>Hugh A. Moore</i>	Date <i>JAN 19 1998</i>
Agent's Address <i>38 Wellington St. N New Liskeard</i>	Telephone Number <i>705-647-5179</i>
	Fax Number <i>705-647-8714</i>

*Done and Dated 19/98*

5. Work to be recorded and distributed. Work can only be assigned to claims that are contiguous (adjoining) to the mining land where work was performed, at the time work was performed. A map showing the contiguous link must accompany this form.

Mining Claim Number. Or if work was done on other eligible mining land, show in this column the location number indicated on the claim map.	Number of Claim Units. For other mining land, list hectares.	Value of work performed on this claim or other mining land.	Value of work applied to this claim.	Value of work assigned to other mining claims.	Bank. Value of work to be distributed at a future date.
eg TB 7827	16 ha	\$26,825	N/A	\$24,000	\$2,825
eg 1234567	12	0	\$24,000	0	0
eg 1234568	2	\$8,892	\$4,000	0	\$4,892
1 1198614	16 ha	775	608	0	167
2 1200716	16 ha	775	600	0	175
3					
4					
5					
6					
7					
8					
9					
10					
11					
12				218079	
13					
14					
15					
Column Totals		1350	1208	0	342

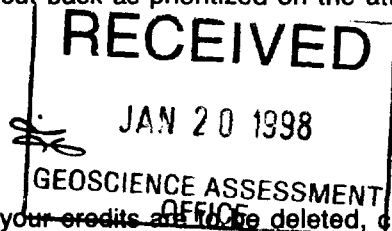
I, \_\_\_\_\_, do hereby certify that the above work credits are eligible under subsection 7 (1) of the Assessment Work Regulation 6/96 for assignment to contiguous claims or for application to the claim where the work was done.

Signature of Recorded Holder or Agent Authorized in Writing: Ralph A. Moore Date: Jan 19/98

6. Instructions for cutting back credits that are not approved.

Some of the credits claimed in this declaration may be cut back. Please check (✓) in the boxes below to show how you wish to prioritize the deletion of credits:

- 1. Credits are to be cut back from the Bank first, followed by option 2 or 3 or 4 as indicated.
- 2. Credits are to be cut back starting with the claims listed last, working backwards; or
- 3. Credits are to be cut back equally over all claims listed in this declaration; or
- 4. Credits are to be cut back as prioritized on the attached appendix or as follows (describe):



Note: If you have not indicated how your credits are to be deleted, credits will be cut back from the Bank first, followed by option number 2 if necessary.

**For Office Use Only**

Received Stamp: **RECEIVED LARDER LAKE MINING DIVISION**

Date Approved: **JAN 19 1998 10:25**

Deemed Approved Date	Date Notification Sent
Date Approved	Total Value of Credit Approved
Approved for Recording by Mining Recorder (Signature)	



Personal information collected on this form is obtained under the authority of subsection 6(1) of the Assessment Work Regulation 6/96. Under section 8 of the Mining Act, the information is a public record. This information will be used to review the assessment work and correspond with the mining land holder. Questions about this collection should be directed to the Chief Mining Recorder, Ministry of Northern Development and Mines, 8th Floor, 933 Ramsey Lake Road, Sudbury, Ontario, P3E 6B5.

2.18073

Work Type	Units of Work <small>Depending on the type of work, list the number of hours/days worked, metres of drilling, kilometres of grid line, number of samples, etc.</small>	Cost Per Unit of work	Total Cost
SAMPLE GRID	(10 haens) - 42 STATIONS - 72 kms	200/km	100.00
SAMPLING & Report LAB. WORK	2-8hr days + TAX 39- Numerus Samples Ag, As, Co Ni Cu	300/day 2.50/Element x 1.52/Element	600.00 42.00 459.06
<b>Associated Costs (e.g. supplies, mobilization and demobilization).</b>			
PRINTS		63.77	63.77
<b>RECEIVED</b> JAN 20 1998 GEOSCIENCE ASSESSMENT OFFICE			
<b>Transportation Costs</b>			
240 kms @ .30 <sup>t</sup>		.30/km	72.00
<b>Food and Lodging Costs</b>			
JUN 25/ Room & Board	RECEIVED LARGES LAKE JAN 10 1998	\$100/day	200.00
JUN 23/ 2 lunches		7.00	14.00
<b>Total Value of Assessment Work</b>			1550.83

JAN 19 1998  
10.25<sup>th</sup>

**Calculations of Filing Discounts:**

1. Work filed within two years of performance is claimed at 100% of the above Total Value of Assessment Work.
2. If work is filed after two years and up to five years after performance, it can only be claimed at 50% of the Total Value of Assessment Work. If this situation applies to your claims, use the calculation below:

TOTAL VALUE OF ASSESSMENT WORK × 0.50 = Total \$ value of worked claimed.

**Note:**  
- Work older than 5 years is not eligible for credit.  
- A recorded holder may be required to verify expenditures claimed in this statement of costs within 45 days of a request for verification and/or correction/clarification. If verification and/or correction/clarification is not made, the Minister may reject all or part of the assessment work submitted.

**Certification verifying costs:**

I, Hugh A Moore (please print full name), do hereby certify, that the amounts shown are as accurate as may reasonably be determined and the costs were incurred while conducting assessment work on the lands indicated on the accompanying Declaration of Work form as Hugh A Moore (recorded holder, agent, or state company position with signing authority) I am authorized to make this certification.

Signature: Hugh A Moore Date: Jan 19/98

March 27, 1998

HUGH ALLEN MOORE  
38 WELLINGTON STREET NORTH  
BOX 746  
NEW LISKEARD, Ontario  
P0J-1P0

Geoscience Assessment Office  
933 Ramsey Lake Road  
6th Floor  
Sudbury, Ontario  
P3E 6B5

Telephone: (888) 415-9846  
Fax: (705) 670-5881

Dear Sir or Madam:

**Submission Number: 2.18073**

**Status**

**Subject: Transaction Number(s):** W9880.00031 Deemed Approval

---

We have reviewed your Assessment Work submission with the above noted Transaction Number(s). The attached summary page(s) indicate the results of the review. WE RECOMMEND YOU READ THIS SUMMARY FOR THE DETAILS PERTAINING TO YOUR ASSESSMENT WORK.

If the status for a transaction is a 45 Day Notice, the summary will outline the reasons for the notice, and any steps you can take to remedy deficiencies. The 90-day deemed approval provision, subsection 6(7) of the Assessment Work Regulation, will no longer be in effect for assessment work which has received a 45 Day Notice.

Please note any revisions must be submitted in DUPLICATE to the Geoscience Assessment Office, by the response date on the summary.

If you have any questions regarding this correspondence, please contact Lucille Jerome by e-mail at [jeromel2@epo.gov.on.ca](mailto:jeromel2@epo.gov.on.ca) or by telephone at (705) 670-5858.

Yours sincerely,



ORIGINAL SIGNED BY  
Blair Kite  
Supervisor, Geoscience Assessment Office  
Mining Lands Section

# Work Report Assessment Results

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**Submission Number:** 2.18073

**Date Correspondence Sent:** March 27, 1998

**Assessor:** Lucille Jerome

---

<b>Transaction Number</b>	<b>First Claim Number</b>	<b>Township(s) / Area(s)</b>	<b>Status</b>	<b>Approval Date</b>
W9880.00031	1198616	SOUTH LORRAIN	Deemed Approval	March 25, 1998

**Section:**

17 Assays ASSAY

Assessment work credit has been redistributed, as outlined on the attached Distribution of Assessment Work Credit sheet, to better reflect the location of the work.

**Correspondence to:**

Resident Geologist  
Kirkland Lake, ON

**Recorded Holder(s) and/or Agent(s):**

HUGH ALLEN MOORE  
NEW LISKEARD, Ontario

Assessment Files Library  
Sudbury, ON

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# Distribution of Assessment Work Credit

The following credit distribution reflects the value of assessment work performed on the mining land(s).

**Date:** March 27, 1998

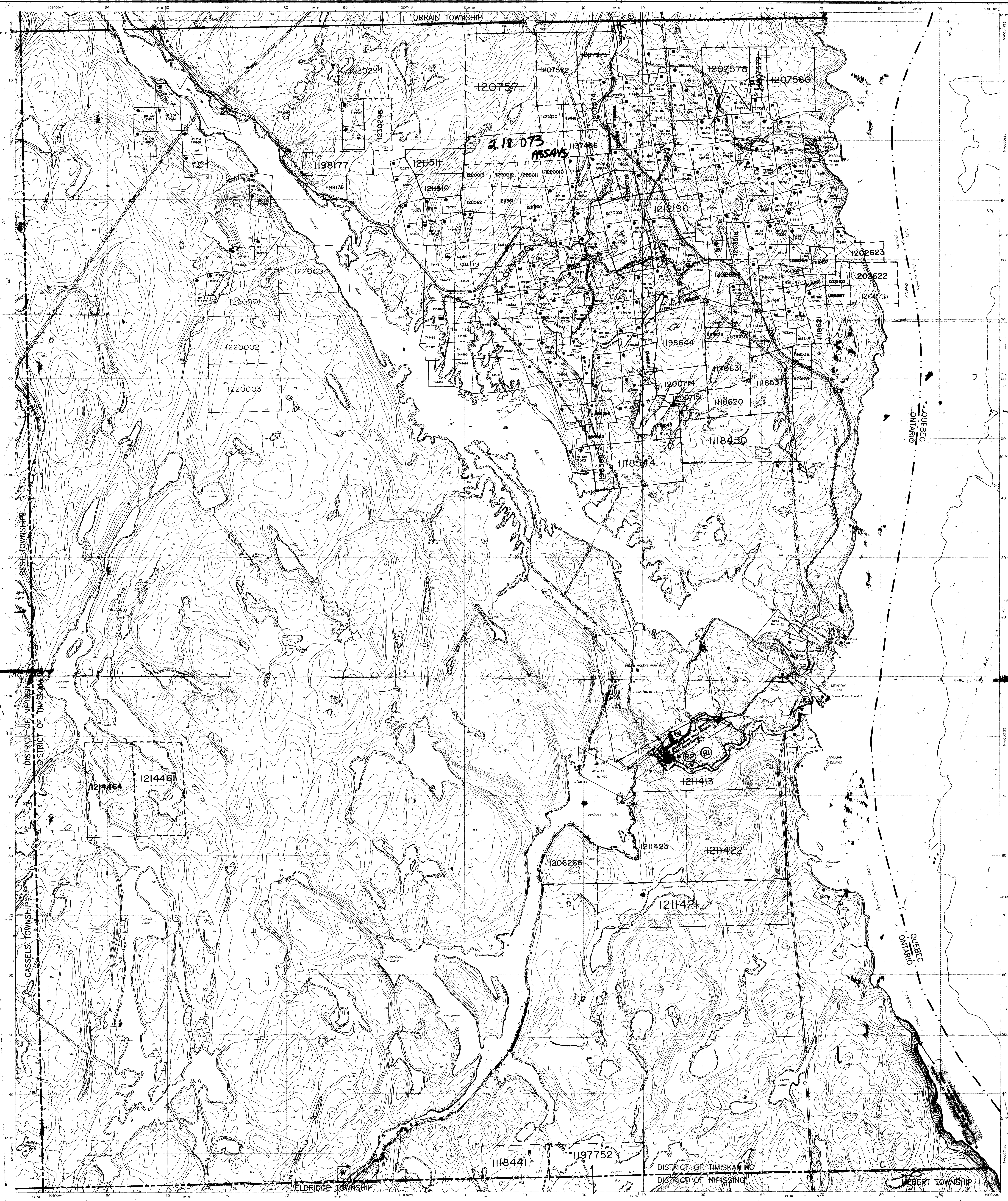
**Submission Number:** 2.18073

---

**Transaction Number:** W9880.00031

<u>Claim Number</u>	<u>Value Of Work Performed</u>
1200716	1,550.00
<b>Total: \$</b>	<b>1,550.00</b>

---



ARCHIVED SEPT. 17, 1996  
CIRCULATED AUGUST 21, 1996

**AREAS WITHDRAWN FROM DISPOSITION**  
 MRO - Mining Rights Only  
 SRO - Surface Rights Only  
 M&S - Mining and Surface Rights

NOT OPEN FOR MINING - CONSERVATION RESERVE SECTION I OF THE MINING ACT

SURFACE RIGHTS ONLY WITHDRAWN - W-L-58/96 NER SEPT 17/96  
 FILE 194327

**DISPOSITION OF CROWN LANDS**

- Patent**
- Surface & Mining Rights
  - Surface Rights Only
  - Mining Rights Only
- Lease**
- Surface & Mining Rights
  - Surface Rights Only
  - Mining Rights Only
- License of Occupation**
- Order-in-Council
  - Cancelled
- Other**
- Small & Crown
  - Land Use Permit

Ministry of Natural Resources  
 Ontario

Ministry of Northern Development and Mines

**INDEX TO LAND DISPOSITION**  
 DATE OF ISSUE  
 PLAN  
 G - 3448  
 TOWNSHIP  
**SOUTH LORRAIN**

M.N.R. ADMINISTRATIVE DISTRICT  
**TEMAGAMI**  
 MINING DIVISION  
**LARDER LAKE**  
 LAND TITLES/REGISTRY DIVISION  
**TIMISKAMING**

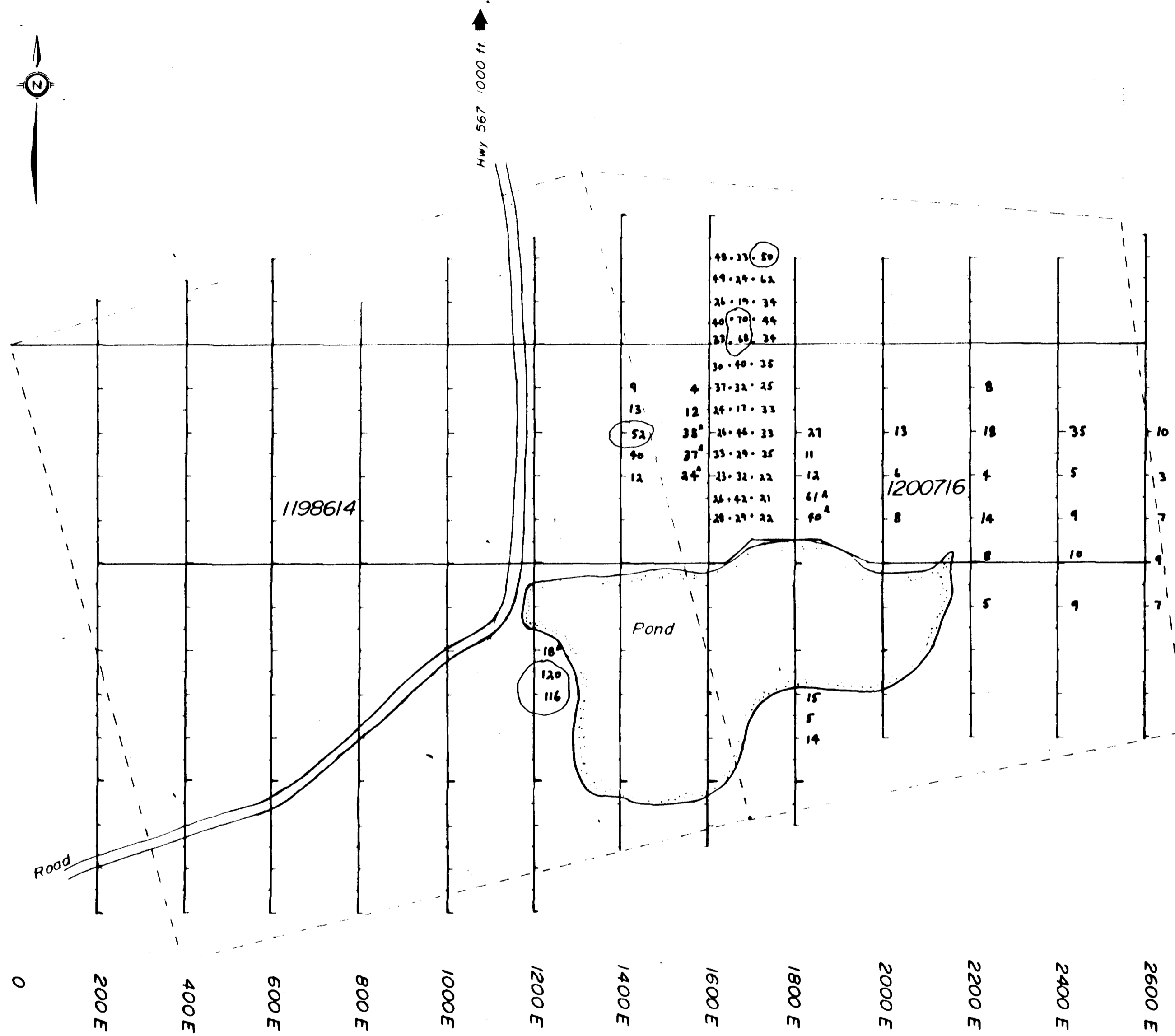
Scale 1:20 000  
 Contour Interval 10 Metres

**SYMBOLS**

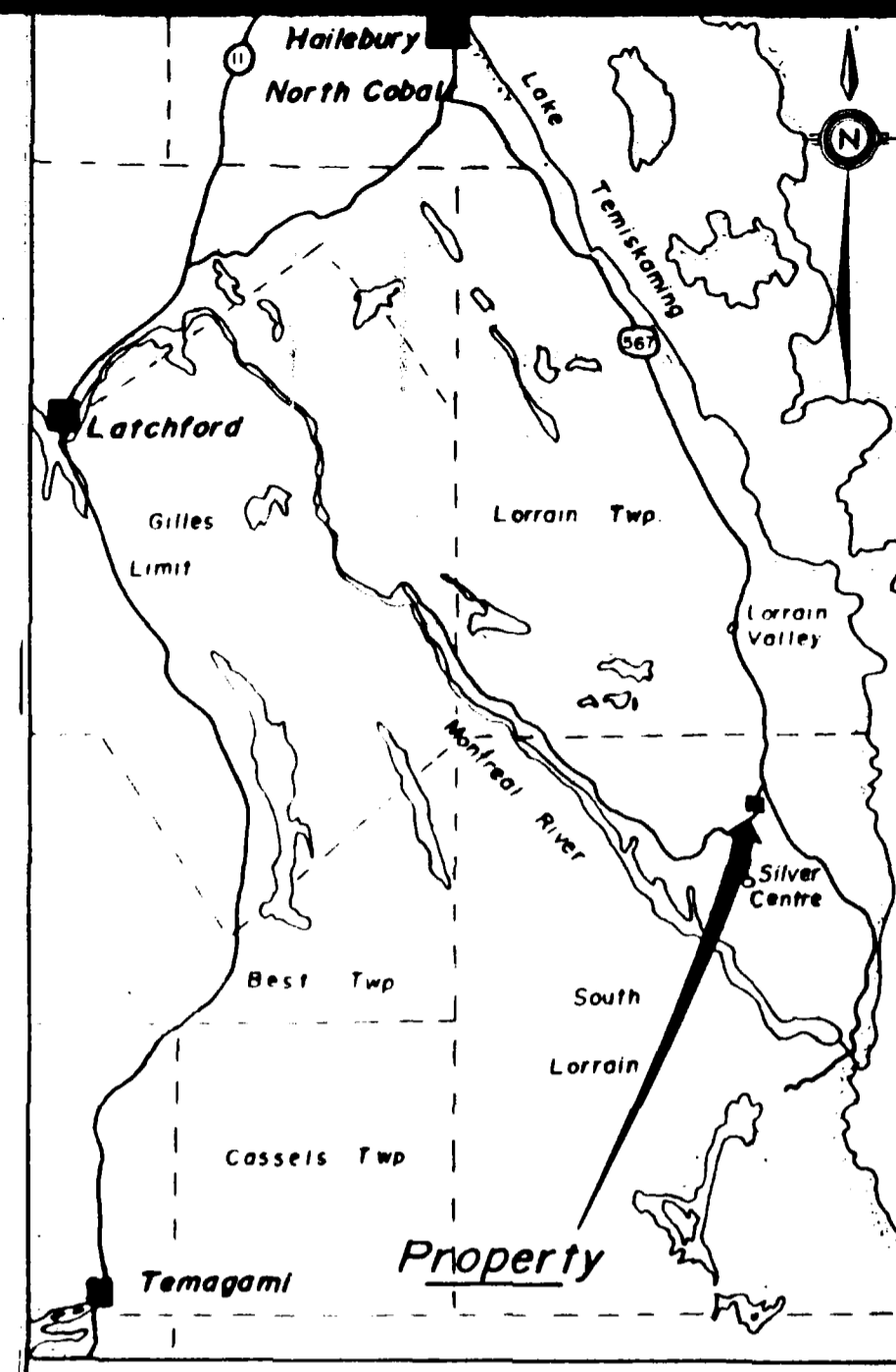
- Boundary
  - Administrative District
  - Township, Meridian, Baseline
  - Road allowance, surveyed
  - Lot/Concession, surveyed
  - Parcel, surveyed
  - Right-of-way, road
  - Reservation
  - Contour
  - Interpolated
  - Approximate
  - Depression
  - Control point (horizontal)
  - Flooded land
  - Mine shaft
  - Pipeline (above ground)
  - Railway, double track
  - River/Stream/Creek
  - Road, highway, county, township
  - Trail, bush
  - Shoreline (original)
  - Transmission line
  - Wooded area
- 400' Surface Rights along the shores of all lakes and rivers

THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES, AND ACCURACY IS NOT GUARANTEED. THOSE DESIRING TO STATE MINING CLAIMS SHOULD CONSULT WITH THE MINING RECORDER, MINISTRY OF NORTHERN DEVELOPMENT AND MINES, FOR ADDITIONAL INFORMATION ON THE STATUS OF THE LAND'S SURVEY RECORD.

MEGWINCH INC



- 300 N
- 200 N
- 100 N
- BL - 0
- 100 S
- 200 S
- 300 S
- 400 S
- 500 S
- 600 S
- 700 S
- 800 S
- 900 S
- 1000 S
- 1100 S
- 1200 S
- 1300 S



Location Map

LEGEND

Instrument:



31M03NW0049 2.18073 SOUTH LORRAIN

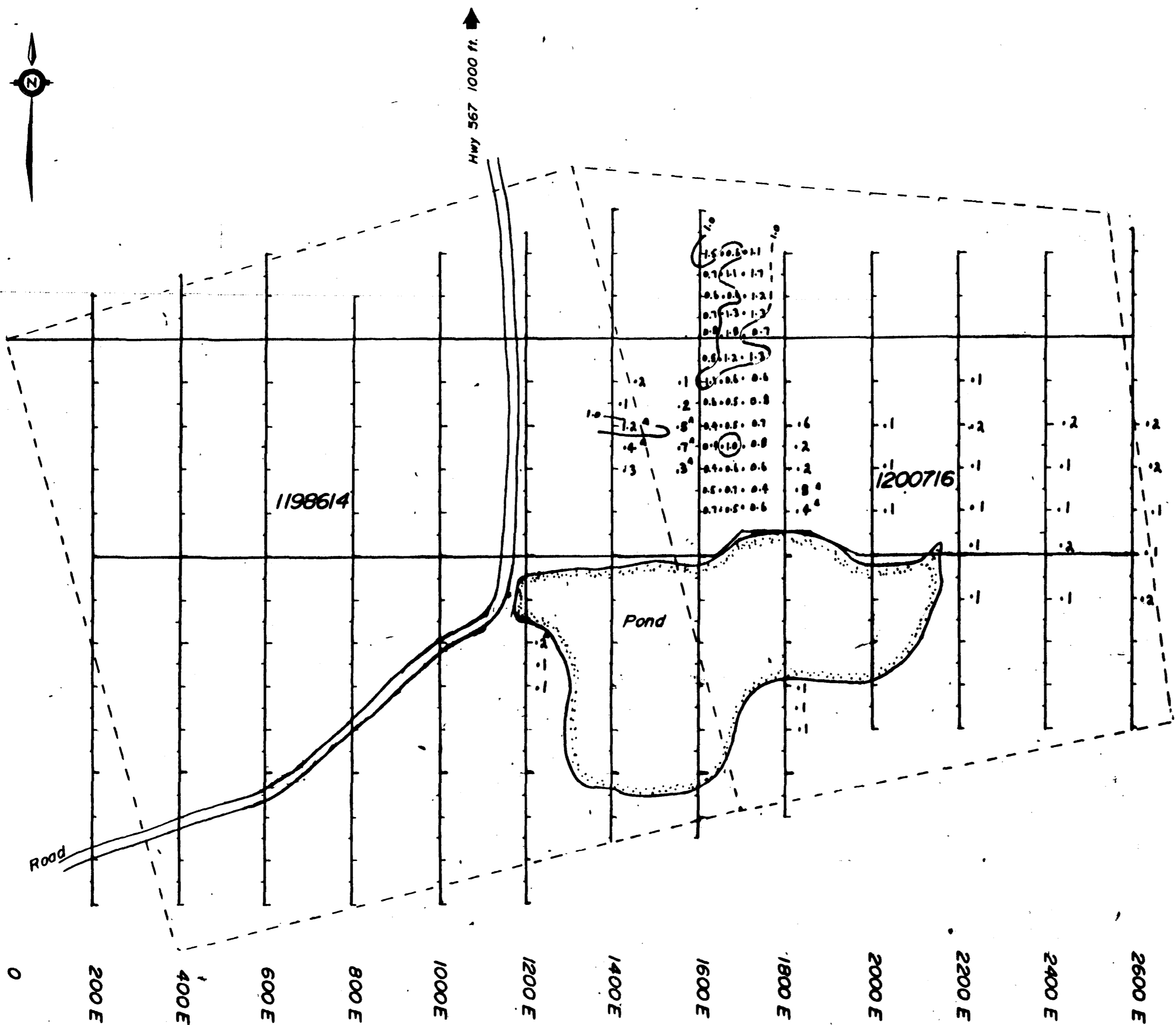
210

1997 - humus  
 humus  
 10 Cu ppm (B-horizon)

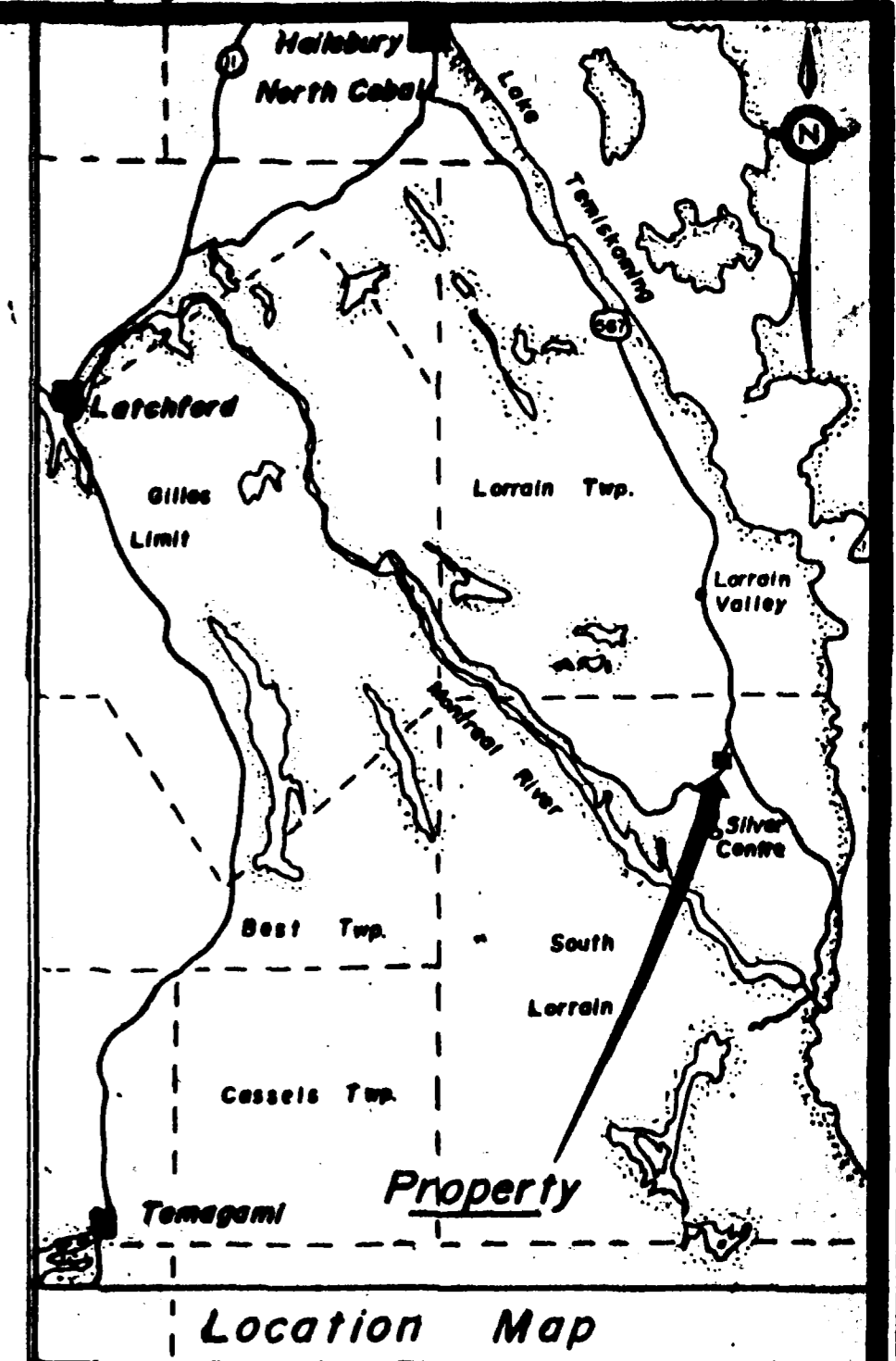
2.18073

H.A. MOORE	
POTHOLE CLAIMS	
South Lorrain Twp.	
<b>SOIL GEOCHEMISTRY</b>	
<b>Copper ppm</b>	
0 100 200 400 600 Feet	DWG. No.
1 in. = 200	
Revised Jan. 96	Date: Jan. 1995 NTS: 31 M / 4

MEEGWICH INC.



- 300 N
- 200 N
- 100 N
- BL-0
- 100 S
- 200 S
- 300 S
- 400 S
- 500 S
- 600 S
- 700 S
- 800 S
- 900 S
- 1000 S
- 1100 S
- 1200 S
- 1300 S



LEGEND

Instrument:



1997 - homes  
 Ag ppm (B-horizon)  
**2.18073**

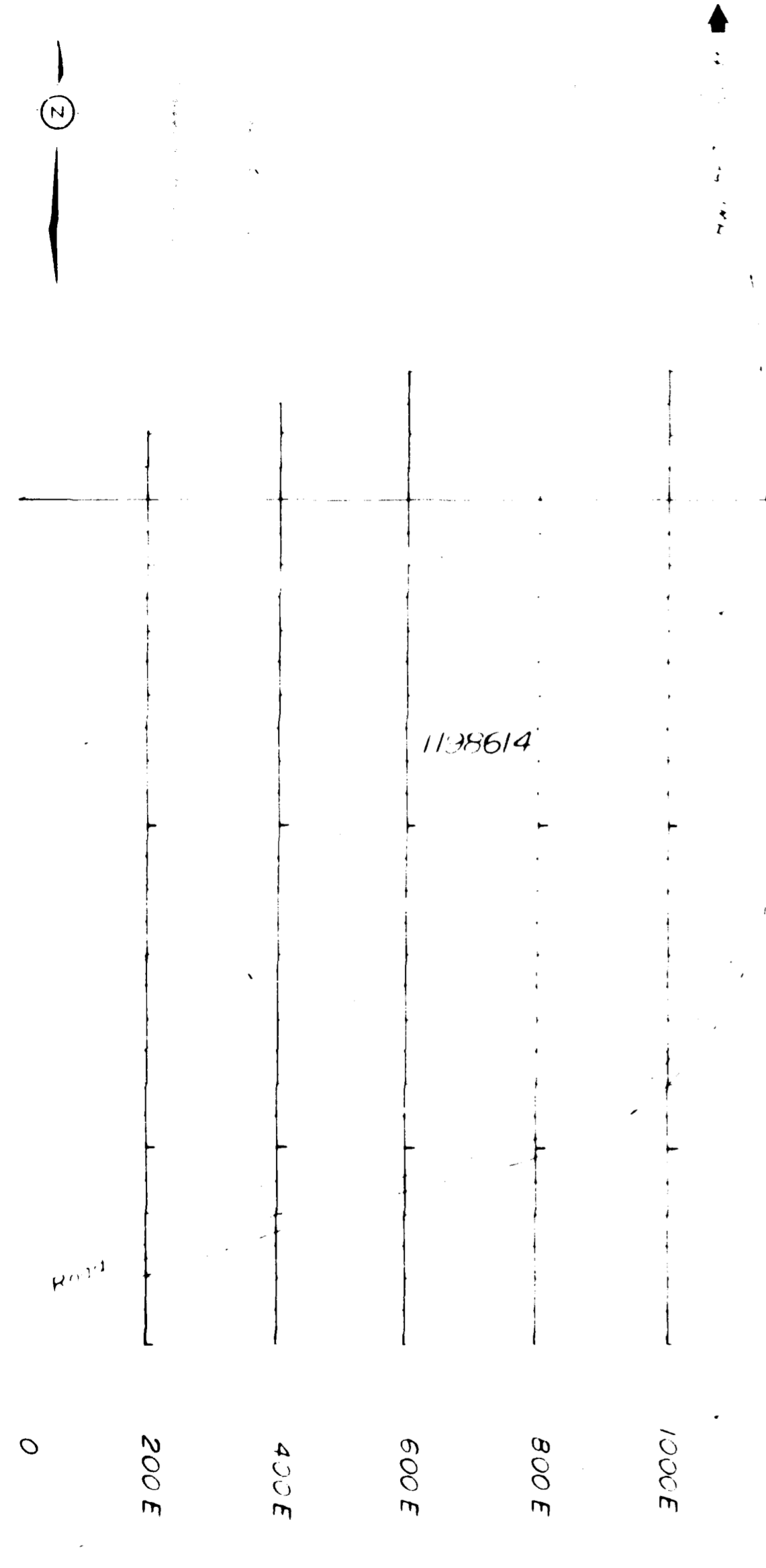
H.A. MOORE  
 POTHOLE CLAIMS  
 South Lorrain Twp.

**SOIL GEOCHEMISTRY**  
 Silver ppm

0 100 200 400 600 Feet  
 1 in. = 100'

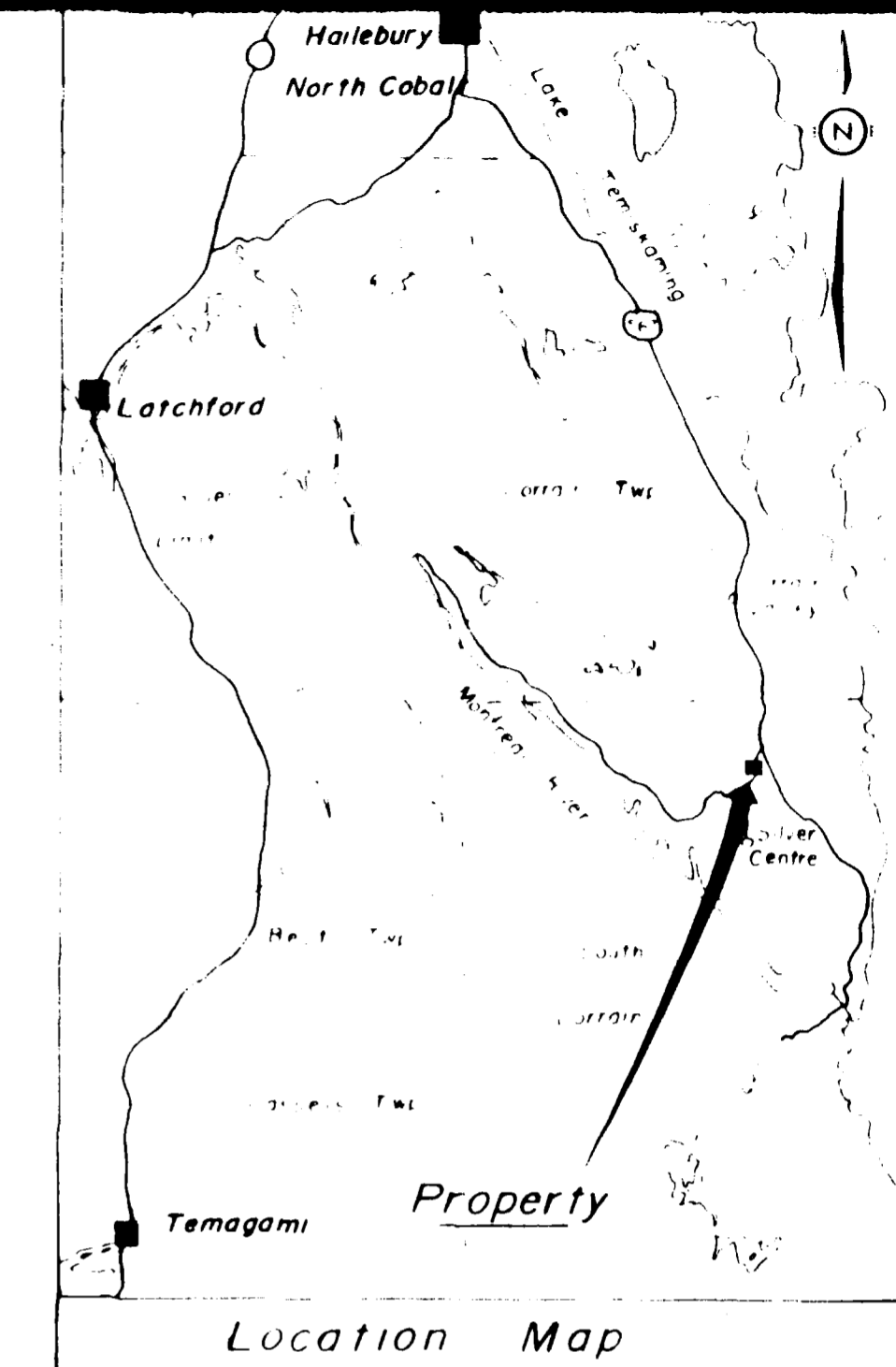
Revised Sun 95 Date: Jan 1995 NTS: 31 M 74

MAP INFORMATION




	4	4	7			
		7	4	4		
		3	3	3		
		7	6	7		
		7	8	7		
		7	5	5		
4	1	5	5	5		6
5	2	5	4	8		
10 <sup>A</sup>	4	5	7	5	5 <sup>A</sup>	8
49 <sup>A</sup>	10 <sup>A</sup>	19	7	8	2	11
9	8	18	5	3	8	19
	6	19	8		8	8
	4	32	8		6 <sup>A</sup>	3
						6
						1
						5

- 300 N
- 200 N
- 100 N
- BL 0
- 100 S
- 200 S
- 300 S
- 400 S
- 500 S
- 600 S
- 700 S
- 800 S
- 900 S
- 1000 S
- 1100 S
- 1200 S
- 1300 S



LEGEND

Instrument



31M03NW0049 2.18073 SOUTH LORRAIN 230

1997 - humus  
 1 - humus  
 1 - Co ppm (B-horizon)

**2.18073**

H.A. MOORE  
 POTHOLE CLAIMS  
 South Lorrain Twp

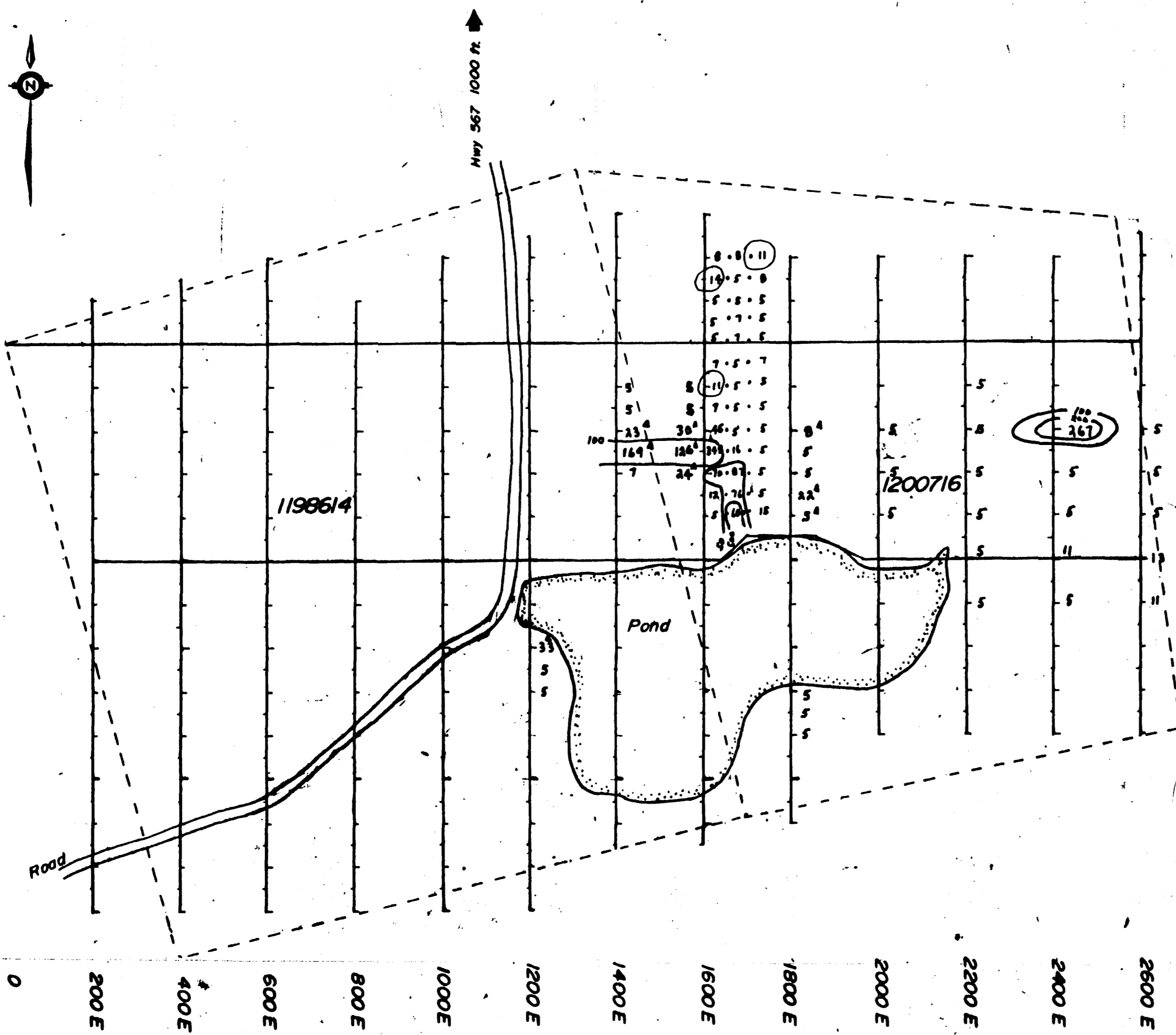
**SOIL GEOCHEMISTRY  
 Cobalt ppm**

0 100 200 400 600 Feet  
 1 inch = 200 feet

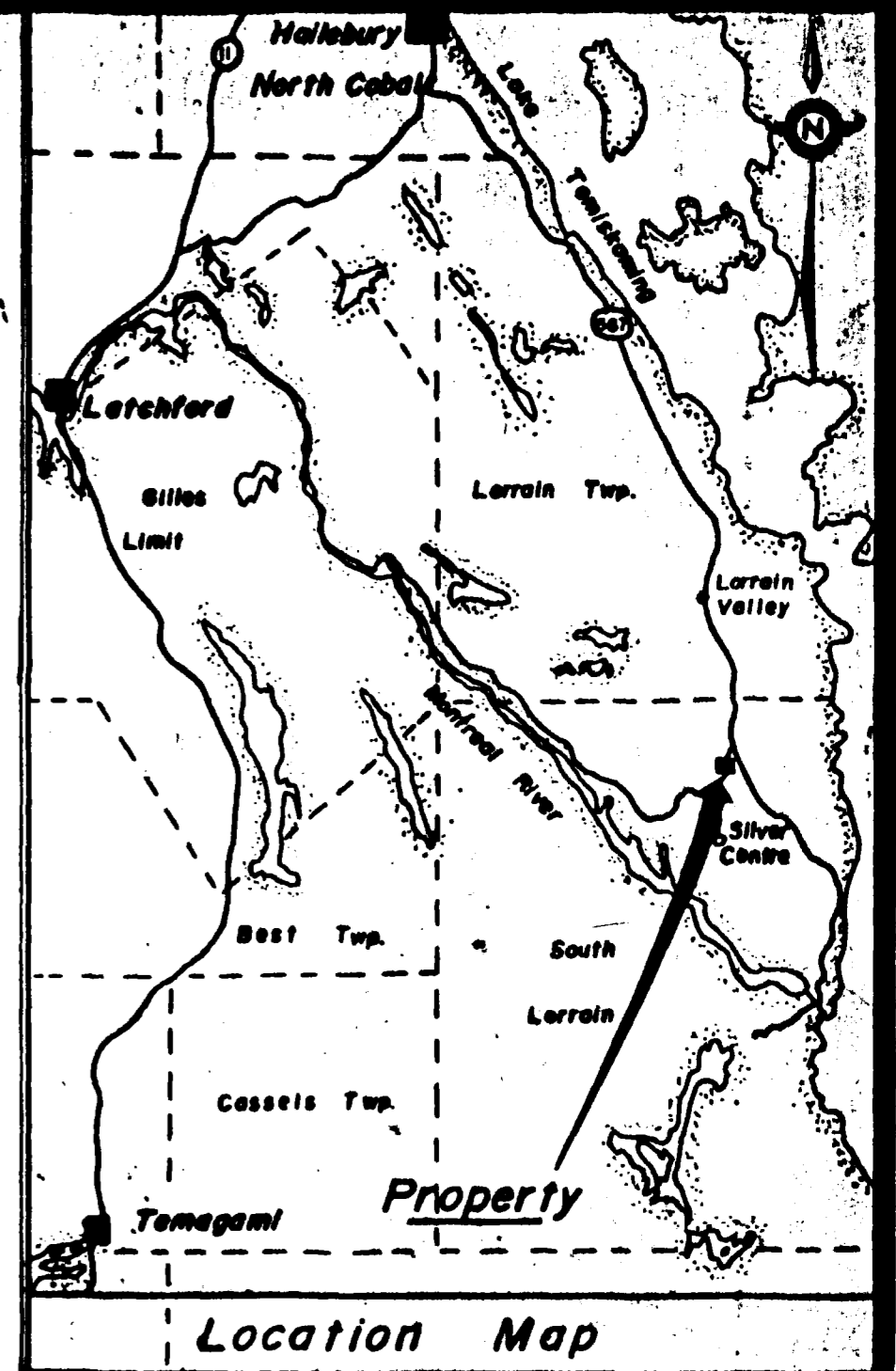
Revised Jan. 96 Date Jan 1995 NTS 31 M / 4

DWG No





- 300 N
- 200 N
- 100 N
- BL - 0
- 100 S
- 200 S
- 300 S
- 400 S
- 500 S
- 600 S
- 700 S
- 800 S
- 900 S
- 1000 S
- 1100 S
- 1200 S
- 1300 S



LEGEND

Instrument:



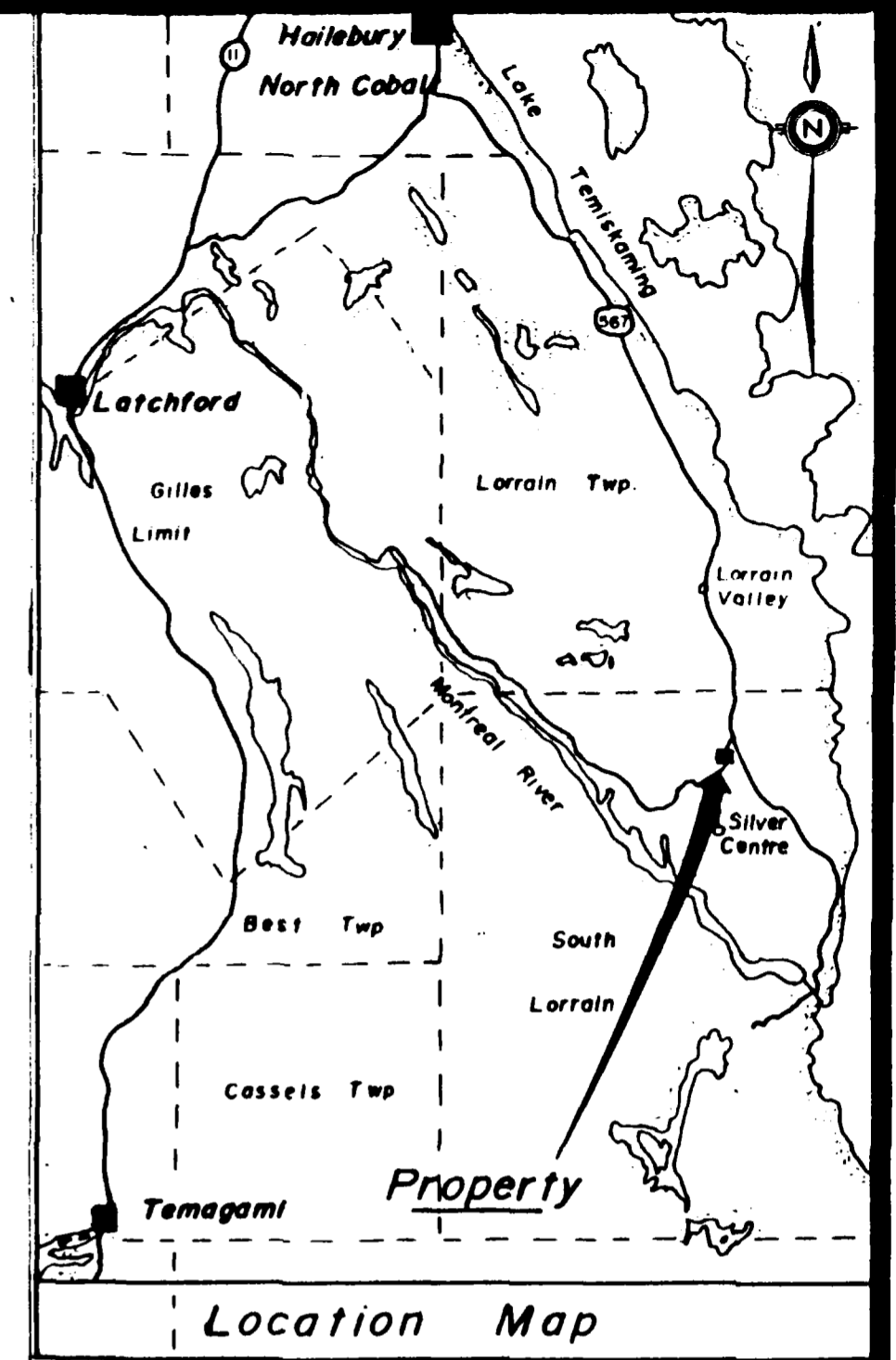
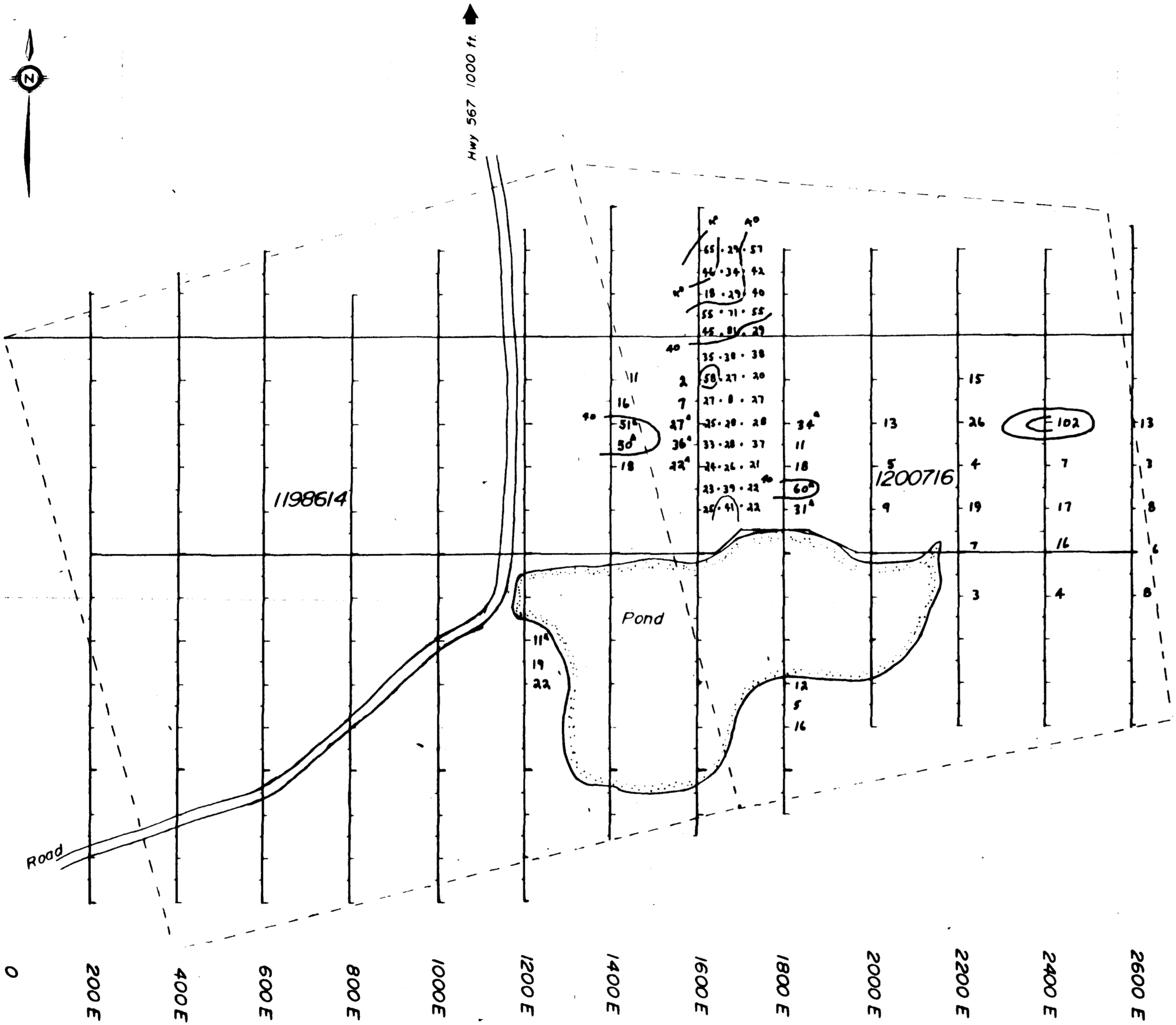
240

1997-humus  
humus  
5 As ppm (B-horizon)

2.18073

H.A. MOORE
POTHOLE CLAIMS South Lorrain Twp.
SOIL GEOCHEMISTRY Arsenic ppm
Date: Jan. 1998 NTS: 31M 73

MFTGWICH INC



LEGEND



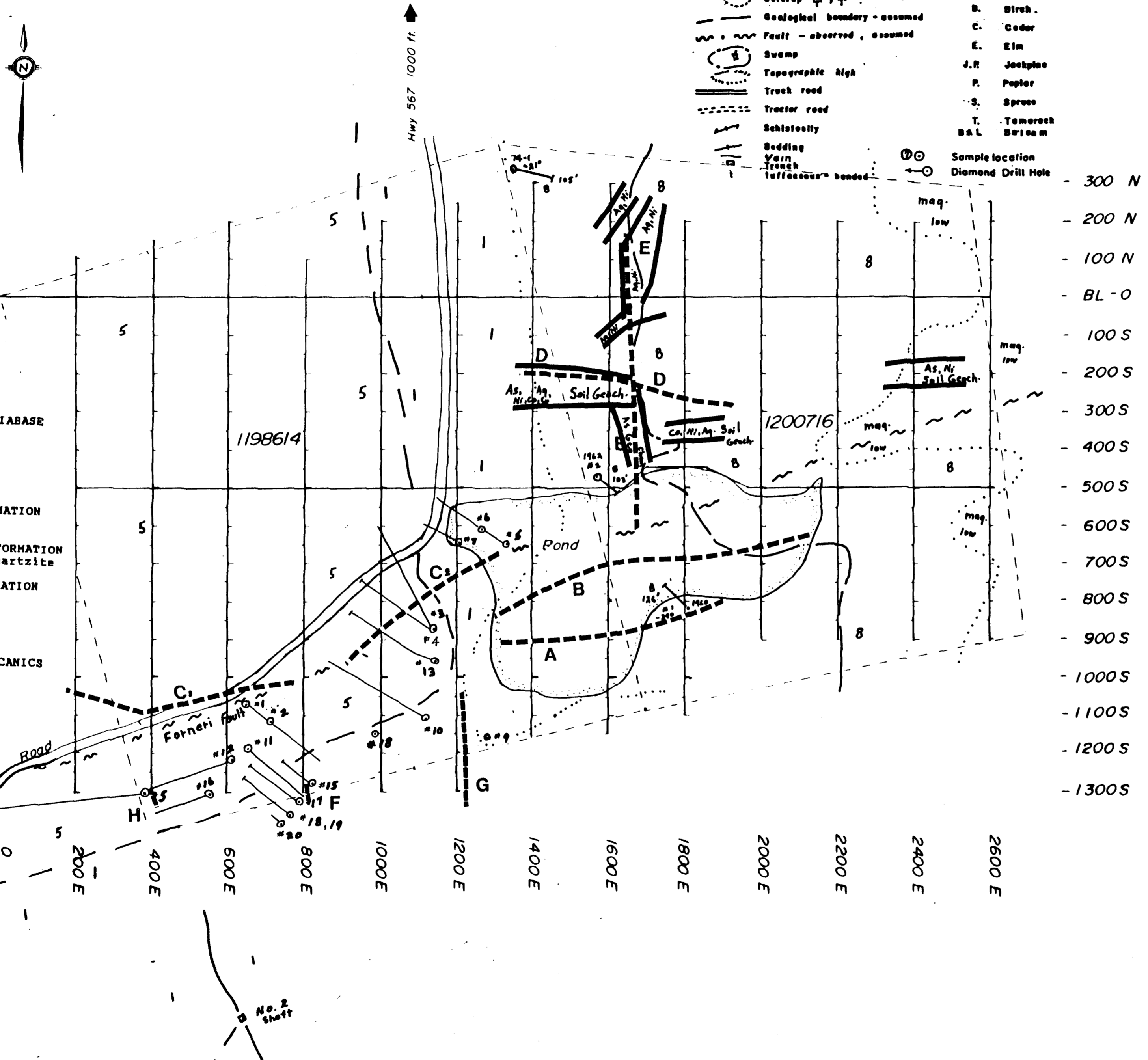
1997 - humus  
humus  
10 Ni ppm (B-horizon)

2.18073

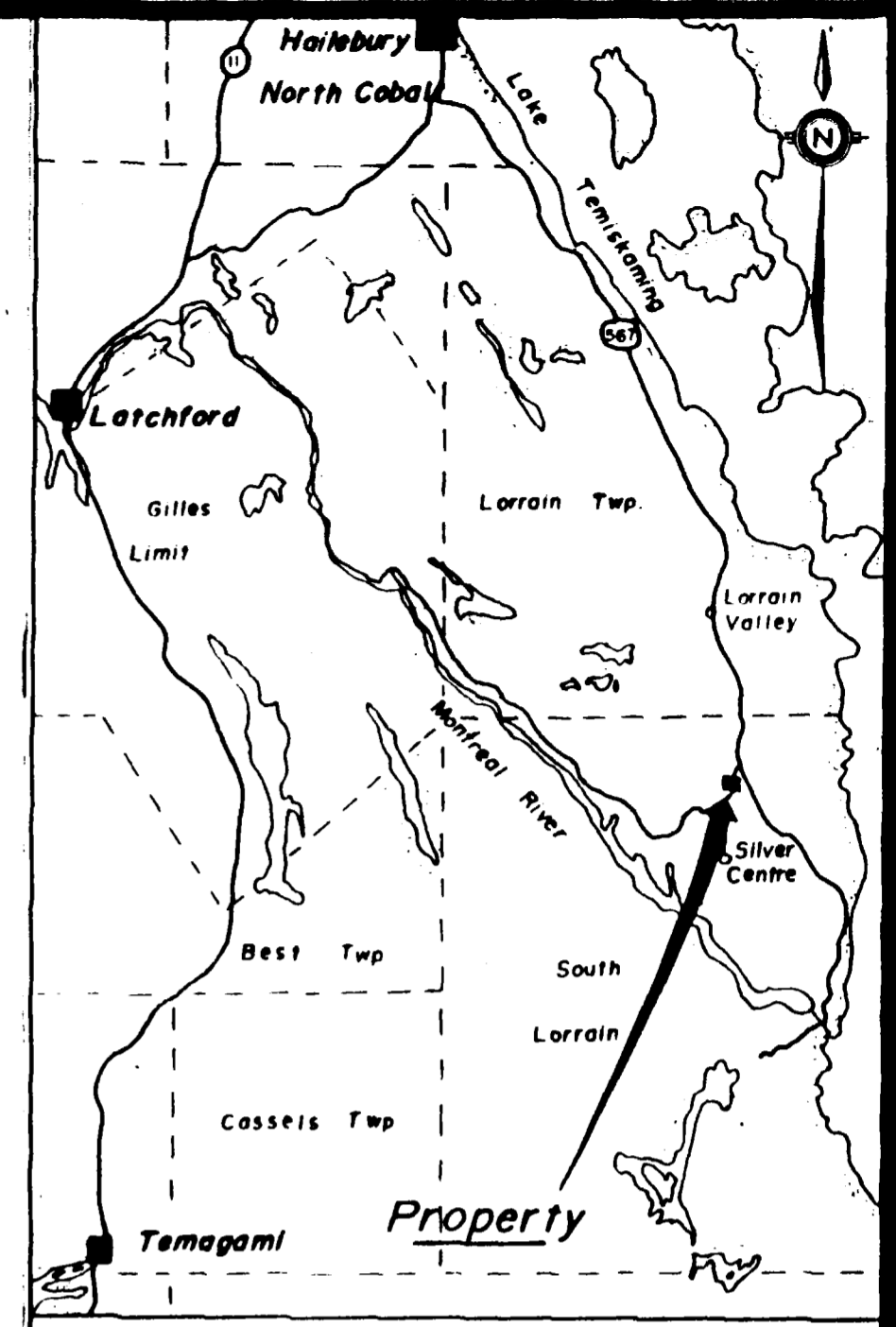
H.A. MOORE	
POTHOLE CLAIMS	
South Lorrain Twp.	
SOIL GEOCHEMISTRY	
Nickel ppm	
0 100 200 400 600 Feet 1 in. = 200	DWG. No.
Revised Jan. 96	Date: Jan. 1995 NTS: 31 M / 4

**SYMBOLS**

- |  |                               |  |                    |        |          |
|--|-------------------------------|--|--------------------|--------|----------|
|  | Geological boundary - assumed |  | Claim post         | A.     | Alders   |
|  | Fault - observed, assumed     |  | Swamp              | B.     | Birch    |
|  | Topographic High              |  | Truck road         | C.     | Cedar    |
|  | Tractor road                  |  | Schistosity        | E.     | Elm      |
|  | Bedding                       |  | Yarn trench        | J.R.   | Jackpine |
|  | Tuffaceous bonded             |  | Sample location    | P.     | Poplar   |
|  |                               |  | Diamond Drill Hole | S.     | Spruce   |
|  |                               |  |                    | T.     | Tamarack |
|  |                               |  |                    | B.A.L. | Birch    |



- LEGEND**
- PRECAMBRIAN**
- PROTEROZOIC**
- 8 **NIPISSING DIABASE**
- HURONIAN**
- COBALT GROUP**
- 7 **LORRAIN FORMATION**  
Arkose
- 6 **FIRSTBROOK FORMATION**  
Laminated Quartzite
- 5 **COLEMAN FORMATION**  
Conglomerate
- ARCHEAN**
- 1 **KEEWATIN VOLCANICS**



Location Map

- LEGEND**
- Instrument:
- VLF-EM Conductor: Strong, Weak
  - Soil Geochemical Anomaly
  - Magnetometer Anomaly: High, Low
  - Diamond Drill Hole
  - Geological boundary - assumed
  - Creek, Lakeshore

2.18073

H.A. MOORE  
POT HOLE CLAIMS  
South Lorrain Twp.

**COMPILATION**

0 100 200 400 600 Feet  
1 in. = 200

DWG. No.

Revised Jan 96 Date: Jan. 1995 NTS: 31 M 74

M.F.F.G.M.I.C.H.I.N.C.