

TABLE OF



41P11SE0007 2.14343 MACMURCHY

010C

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MAPS

Location Map, Hasset Lake Claims	1:20000	Figure No. 1
VLF-EM Survey Hasset Lake Area	1"=200'	Back Folder
Geological Survey Hasset Lake Area	1"=200'	Back Folder
Magnetometer Survey Hasset Lake Area	1"=200'	Back Folder

INTRODUCTION

The mining property described in the following is registered in the name of Roy Annett, a prospector, residing in Shining Tree, Ontario POM 2X0. During the summer of 1991 explorations by Fort Knox Gold encountered interesting base and precious metal values on the adjoining property to the south. Encouraged by this activity it was decided to pursue a systematic evaluation of Annett's claims, known as the Hasset Lake Property, by establishing a grid and carrying out a program of geological mapping and geophysical surveying. Results of this work are described in the following.

CLAIMS, LOCATION, ACCESS

The Hasset Lake Property consists of ten contiguous unpatented mining claims partially bounded on the east by the West Montreal River and on the west by the near shore of Foisey Lake. The boundary between Macmurchy and Fawcett Townships passes through the southern third of the property, bisecting Hasset Lake.

Claim numbers are listed as follows:

1146614-616 incl.	(3)
1146624-627 incl.	(4)
1180358	(1)
1180360-361 incl.	(2)

Access is provided by the Nadeau Lumber Co. road which swings south from Hwy. #560 approximately 5 miles east of Shining Tree village. The Nadeau road crosses the westerly claims in the group. The property has been actively harvested over the past two years leaving large sections of the claims clear cut with a poorly preserved system of haulroads giving further access.

Much of the property east of Hasset Lake is swamp covered with the bulk of the outcrop exposures occurring to the north and west. Soil cover is relatively light.

SURVEY CONTROL

Referencing M. W. Carter's Geology of Fawcett and Leonard Townships (GR 146) and consulting with Fort Knox geologist Doug

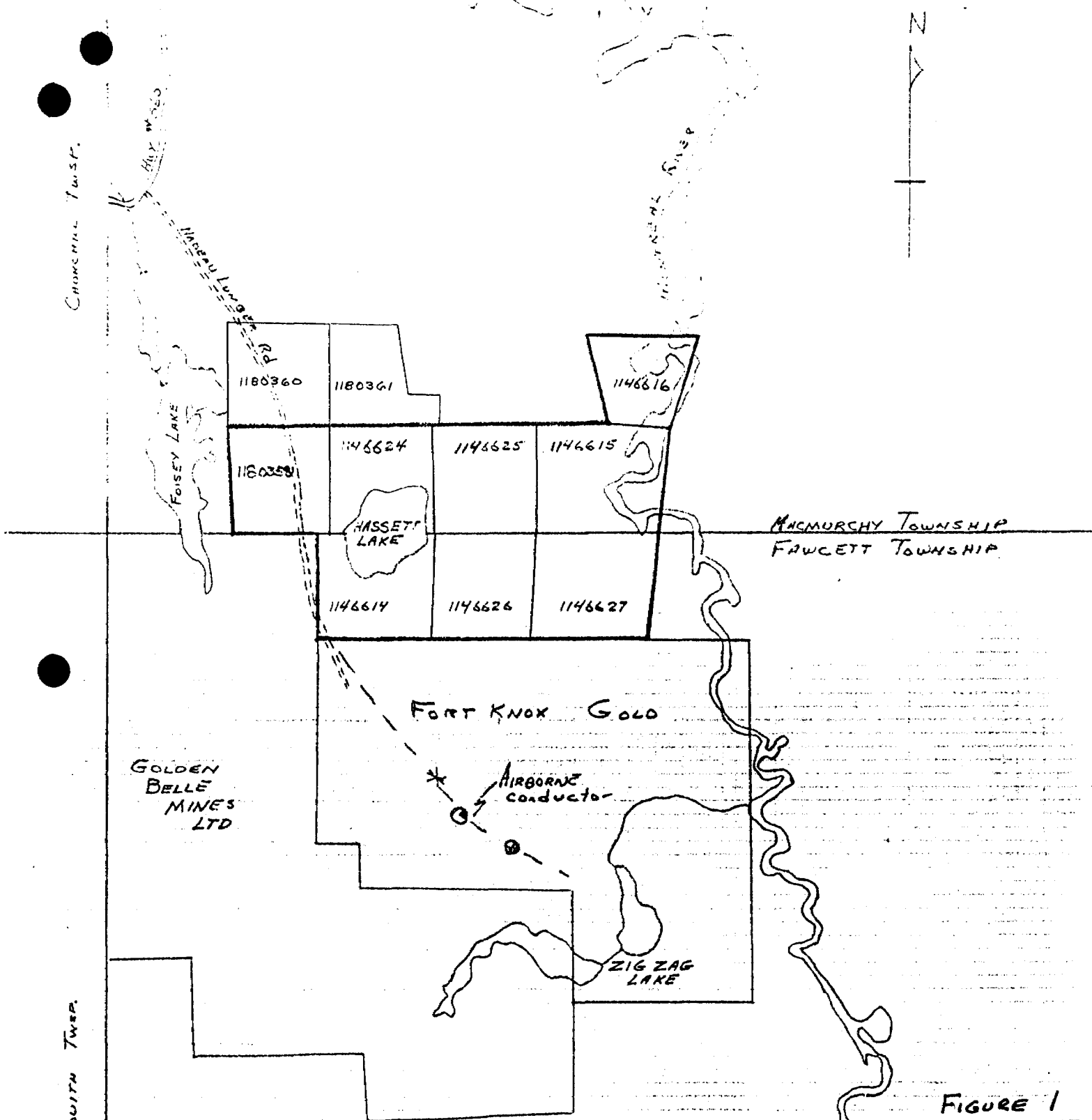


FIGURE 1

ANNETT-FERGUSON-TINDALE
 HASSETT LAKE CLAIMS
 MACMURCHY & FAWCETT TOWNSHIPS,
 SHINING TREE AREA
 SCALE 1:20000
 NTS 41 P 10
 AUG. 15/91. J.L.T.

Hunter it was determined the regional strike of rocks in the area was approximately 120° . With this in mind a base line was cut and picketed at 100 foot intervals at a strike of 120° starting at the No. 1 post of Claim 1180358 (the Hub) and extending southeasterly to the West Montreal River, a distance of 4,000 feet.

From this base line control flagged lines were chained at 100 foot intervals and turned off every 400 feet at a bearing of 210° . West of the Hub the north boundary of Claim 1180358 was chained and flagged at 100 foot intervals and lines turned off at 210° every 400 feet along the line to complete coverage of the property.

Total grid coverage is 6.4 miles. Cutting, flagging, chaining and survey control was carried out by Roy Annett and the writer during August-September 1991.

GENERAL GEOLOGY

The Shining Tree area is underlain by early Precambrian rocks of the Lower Tisdale Volcanic Series, which are typically comprised of a suite of ultramafic, mafic to felsic metavolcanic and meta-sedimentary rocks. Intermediate to felsic intrusive rocks are also evident throughout the volcanic sequence, which is commonly cut by north-northwest trending Nipissing-type dykes of the Middle Precambrian age.

The metavolcanic-metasedimentary sequence is tightly folded along gently sinuous NNW-trending axes which trend roughly at $N30^{\circ}W$. The rocks have been subjected to middle to upper greenschist metamorphism.

PROPERTY GEOLOGY

The writer mapped the property during September of 1991. The following table of formation lists the units found on the property in their stratigraphic sequence.

Table 1: Lithologic Units for Macmurchy and Fawcett Townships

Pleistocene and Recent

Sand, gravel, swamp and alluvial deposits

Precambrian

Early to Late Precambrian

Matachewan and quartz diabase dykes

Intrusive Contact

Nipissing Diabase sills and outliers

Early Precambrian (Archean)

Felsic Intrusive Rocks

Granodiorite, porphyry

Ultramafic Intrusive Rocks

Talc schist, serpentized dunite, gabbro

Intrusive Contact

Metasediments

Greywache, chert

Felsic Metavolcanics

Tuff, lapillituff, aphanitic, quartz-sericite schist

Intermediate Metavolcanics

Aphanitic, pillowed, tuff, amygduloidal, quartz-eye tuff, carbonatized

Mafic Metavolcanics

Basalt, pillowed flows, foliated, amygduloidal and porphyritic flows, amphibolite, calc-alkalic flows

The property has bedrock outcrop exposed over approximately 20% of the claims, about double the normal for Precambrian terrain. This is due to a large portion of the area having recently been clear cut by timber harvesters.

A series of NW striking, approximately 120° , mafic and intermediate metavolcanics underlay the property which are interbedded with minor interflow sedimentary, felsic volcanic and ultramafic units. Relatively fresh outliers of Nipissing diabase occur along the southern boundary and diabase dykes which strike NNW cut all formations.

Mafic volcanics underlay most of the property occupying the southern two-thirds area wise. These rocks are usually green to dark green to black, relatively unaltered, often massive, sometimes pillowed and exhibiting phenocrysts of white feldspar. Where massive and black and fine grained they are mapped as basalts. Well formed pillows with strong selveges are present though tops were indefinite. The mafic volcanics have a gabbrois texture in part and are in these cases medium to coarse grained but grade vertically to finer grained basaltic composition with no evidence of chilled contacts. Amphibole rich units are similarly pictured.

The mafic units are occasionally well foliated usually at 120° and therefore parallel to the regional strike. Shearing and carbonatization is rare in these units on the property.

Occupying the north and northeastern section of the property are intermediate volcanics which are invariably pale green to grey coloured, fine grained and usually aphanitic. Tuffaceous units were recognized as quartz-eye or lapilli tuffs rarely. Biotite as isolated grains aligned parallel to remnant bedding was fairly common in the tuffaceous units. Carbonate rich units were noted near the north boundary on lines 0 to 12E often accompanied by quartz veining, heavy shearing and up to 2% pyrite mineralization. Gold mineralization appears to favour this unit on the property.

Black interflow sedimentary units were noted at two locations on the property, namely crossing the Nadeau Road at 5W, 4S and crossing the ATV haulroad at 6W, 5N. These units appear to be 10 to 20' thick, vertically dipping, strike at 120° and are thin interbeds of carbon rich greywache, basalt and chert with up to 5% pyrite along the bedding planes and disseminated within the bands. Sampling of these units have so far yielded low base and precious metal values.

Felsic volcanics are rare on the property. A 30 foot wide band of quartz-sericite schist occupies the south contact of the interflow band mentioned above on the Nadeau road. Felsic lapilli tuff was noted at the north end of line 4E. The quartz-sericite schist is noteworthy for a proliferation of white quartz veinlets with abnormal tourmaline content.

Ultramafic rocks are present as talc schists crossing line 12E at 4n and at 9W at 7N. We blasted into both of these units due to the carbonate alteration accompanying the occurances. Pyrite is rare and gold values negligible.

Less altered ultramafic outcrops occur in the south western sector of the property. These are coarse grained, green units exhibiting a nobly weathering appearance.

Diabase is present as north westerly striking dykes and as remnants of the Nipissing sill. These are late stage events of little economic significance.

MAGNETOMETER SURVEY

A magnetic survey of the grid was completed in September 1991 utilizing a GSM-18 Proton Precision Magnetometer which automatically measures the absolute value of the earth's magnetic field to a resolution within 0.1 gamma. The survey was completed using the baseline-loop method which allows for correction of the data for diurnal variation. Sample readings were taken at each station

along the grid lines as well as along the baseline. A base magnetic value of 58,000 gammas was used for the duration of the survey. Roy Annett of Shining Tree operated the unit which was rented from ACA Howe International Ltd. of Toronto.

The magnetic features are distinguished by a marked enbayment along the north boundary from line 5W to line 16E. This area is underlain by pale green intermediate tuffaceous units, decidedly more acidic in character than the mafic units to the south which may explain the change in magnetic character.

A series of high readings in the northwest quarter of the property is interpreted as a diabasin dyke from geological information.

A set of elevated readings along the baseline from line 0 to 8E is possibly due to an iron-rich unit though outcrop confirmation is lacking in this area of low ground.

Lastly a series of elevated NW trending values east of Hasset Lake probably indicates the presence of a diabase dyke.

ELECTROMAGNETIC SURVEY

A Crone Radem VLF EM unit was operated by Kenneth Johnson, a geologist, to complete coverage of the grid during September 1991, utilizing a transmitting station in Cutler, Maine (TxNAA; 24.0 KHz). The Radem is a rugged one man EM unit which is capable of measuring the field strength, dip angle and quadiature components of the VLF communications station. The dip angle is measured in degrees of the magnetic field component, from the horizontal, of the major axis of the polarization ellipse. This measurement is selected by a minimum reading on the field strength meter and is read from an inclinometer which is accurate to $\frac{1}{2}^{\circ}$. The field strength component of the VLF field (amplitude of the long axis of the polarization ellipse), and is measured as a percent of the normal field strength established at a local base station. This unit was also rented from ACA Howe International Ltd.

The VLF survey picked up two strong conductors and two weaker features which are noteworthy. The prime conductor stretches in a NW direction across the north ends of line 0 and 4E and lies adjacent to a strongly carbonate-rich felsic to intermediate tuffaceous unit, a potential gold bearing horizon. Of secondary importance though of considerable strength is a conductive zone along the southern claim boundary from 36E to 24E. This is a swamp covered area.

Lesser strength anomalies exist crossing lines 28E to 20E at 5S which again is swamp covered and may be due to conductive overburden but may be worth some test work. Lastly is a weak zone starting at the western shore of Hasset Lake and extending northwesterly for about 1,000 feet. This may mirror an interflow sedimentary band which carries considerable sulphide (pyrite) and chert and low gold and base metal values. Prospecting and sampling of this zone is warranted.

There are a number of isolated single line weak anomalous zones on the property which the writer feels are not worthy of comment.

CONCLUSIONS & RECOMMENDATIONS

The geology and geophysical results have turned up a number of areas worthy of further exploratory work. The talc-felsic-carbonate-pyrite sequence which crosses L12E at 4N carries anomalous gold values and requires stripping and sampling to work out the lateral extent and grade. The VLF anomaly in conjunction with the carbonate-rich tuffaceous horizon along the north boundary (L0 to L4E) is deserving of prospecting, trenching and sampling to determine cause and significance. The coincident VLF and interflow band striking NW from Hasset Lake is worth detailed prospecting and sampling to map out the lateral extent. Lastly the talc schist horizon - interflow sequence along the trail between 7 + 75W and 5W requires follow-up trenching and sampling across the interval between these units.

As a final conclusion, the property contains a promising package of rock units, alteration and conductors and could host a significant gold occurrence. Further exploration is definitely warranted to bring the known areas of interest to the drill target stage.

Respectfully submitted,

J. L. TINDALE & ASSOCIATES INC.

A handwritten signature in cursive script, appearing to read "J. L. Tindale".

Shining Tree, Ontario
September 1991

J. L. Tindale, P. Eng.
Geologist

BIBLIOGRAPHY

- Carter, N. W. 1977a Geology of Fawcett and Leonard Townships, Ontario Division of Mines, GR146.
- 1977b Geology of Macmurchy and Tyrrell Townships, Ontario Division of Mines, GR152.
- Karvinen, W. O. 1985 Geology and Evolution of Gold Deposits, Timmins Area, Archean Gold Symposium; OGS Special Report.
- Valliant, R. I. 1988 The Bousquet Pyritic Gold Deposit, Bousquet Region, Quebec; Geology of Canadian Gold Deposits; CIMM Publication.

CERTIFICATE OF QUALIFICATIONS

I, John Laverne Tindale, of 110 Erskine Avenue, Toronto, Ontario do hereby certify:

1. That I am a 1956 graduate of McMaster University, with a B. Sc. in Honours Geology;
2. That I have been a practicing geologist for 35 years;
3. That I have worked in the Shining Tree area for the past four years;
4. That I personally mapped the property at a scale of 1" to 200' and supervised and assisted with grid layout and geophysical survey.

Certified True and Correct



Qualification
632846

September 1991
Shining Tree, Ontario

J. L. Tindale, P. Eng.
Geologist

J. L. TINDALE & ASSOCIATES INC.

Suite 907 - 110 Erskine Avenue
Toronto, Ontario, Canada M4P 1Y4

Telephone
(416) 481-5781

September 21, 1991

EXPENSE REPORT - HASSET LAKE PROPERTY

1. Linecutting	6.4 mi. @ \$350/mi.	\$2,240.00
2. Magnetometer Survey	6.4 mi. @ \$150/mi.	960.00
3. Radem VLF-EM Survey	6.4 mi. @ \$150/mi.	960.00
4. Geological Mapping		
Map, Plot, Draughting & Report	8 days @ \$350/day	2,800.00
5. Expenses:		
a) Accommodations - Spruce Shilling Lodge		502.80
b) Food & Supplies		548.82
c) Transportation	1580 km. @ \$.30/km.	474.00
d) Rentals: ATV	8 days @ \$25/day	200.00
4 x 4 truck	7 days @ \$30/day	<u>210.00</u>
	TOTAL EXPENSES	<u>\$8,895.62</u>

Certified correct
J. L. Tindale P. ENG.
Geologist



Ontario



41P115E0007 2.14343 MACMURCHY

900

Ministry of
Northern Development
and Mines

Ministère du
Développement du Nord
et des Mines

Mining Lands Branch
Geoscience Approvals Section
159 Cedar Street, 4th Floor
Sudbury, Ontario
P3E 6A5

Toll Free: 1-800-465-3880
Telephone: (705) 670-7264
Fax: (705) 670-7262

January 24, 1992

Our File: 2.14343
Transaction #: W9180.05042

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 ON MINING CLAIMS L. 1146614 ET AL
IN MACMURCHY AND FAWCETT TOWNSHIPS.**

The assessment work credits for the Geological and Geophysical
(Magnetic and Electromagnetic) surveys have been approved as outlined
in the attached assessment work credit form on January 22, 1992.

Please indicate on your records.

Yours sincerely,

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

DLJ/jl
Enclosures:

cc: Assessment Files Office
Toronto, Ontario

Resident Geologist
Cobalt, Ontario

ASSESSMENT WORK CREDIT FORM

FILE NUMBER: 2.14343

DATE: January 24, 1992

RECORDER'S REPORT NUMBER: W. 9180.05042

RECORDED HOLDER: ROY ANNETT

CLIENT NUMBER: 102630

TOWNSHIP OR AREA: MACMURCHY AND FAWCETT TOWNSHIPS

CLAIM NO.	VALUE OF WORK DONE ON THIS CLAIM	VALUE APPLIED TO THIS CLAIM	VALUE ASSIGNED FROM THIS CLAIM
L1180358	\$ 1322.00	\$ 1000.00	\$ 322.00
1146624	1322.00	1495.00	0.00
1146625	1592.00	1000.00	592.00
1146626	1457.00	1000.00	457.00
1146627	781.00	1000.00	0.00
1146614	105.00	1400.00	0.00
1146615	240.00	135.36	104.64
1146616	211.36	0.00	211.36
	<u>\$7,030.36</u>		



**Report of Work Conducted
After Recording Claim**

Mining Act

Transaction Number
DOCUMENT No.
W9180-05042

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.

- 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) ROY ANNETT		Client No. 102630
Address SHINING TREE ONTARIO POM 2X0		Telephone No. 705-263-2054
Mining Division LARDER LAKE	Township/Area MACMURCHY / FAWCETT	M or G Plan No. G-988 / G-971
Dates Work Performed From: AUGUST 20/91		To: SEPT 20/91

Work Performed (Check One Work Group Only)

Work Group	Type
<input checked="" type="checkbox"/> Geotechnical Survey	GEOLOGICAL MAGNETOMETER PROEM-VLF
<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	

RECEIVED
OCT 02 1991
MINING LANDS SECTION

Total Assessment Work Claimed on the Attached Statement of Costs \$ **8895.62**

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
ROY ANNETT	SHINING TREE ONTARIO POM 2X0
J.L. TINDALE	907-110 ERSKINE AVE., TORONTO, ONT., M4P 1Y4
KENNETH JOHNSON	1400-22 FRONT ST., TORONTO, ONT., M5J 1C4

(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 SEPT. 21, 1991	Recorded Holder or Agent (Signature) <i>J.L. Tindale</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 its completion and annexed report is true.

Name and Address of Person Certifying
J.L. TINDALE 907-110 ERSKINE AVE TORONTO ONT. M4P 1Y4

Telephone No. 416-481-5781	Date SEPT 21 1991	Certified By (Signature) <i>J.L. Tindale</i>
--------------------------------------	-----------------------------	-------------------------------------------------

For Office Use Only

Total Value Cr. Recorded \$8895.00	Date Recorded Sept 27, 1991	Mining Recorder <i>[Signature]</i>	Received Stamp SEP 27 PM 2 28
	Deemed Approval Date December 26, 1991	Date Approved	RECEIVED
	Date Notice for 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
DOCUMENT No.
 W9180 • 05042

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		
	Field Supervision Supervision sur le terrain		
Contractor's and Consultant's Fees Droits de l'entrepreneur et de l'expert-conseil	Type Limcutting	2240	
	M.A.G. Survey	960	
	VLF EM	960	6960
Supplies Used Fournitures utilisées	Type Geology	2800	
	Supplies	50.62	
			50.62
Equipment Rental Location de matériel	Type ATV	200.00	
	FORD 4X4	210.00	
			410.00
Total Direct Costs Total des coûts directs			7420.62

7420.62

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 1580 Km @ 30	474.00	
			474.00
Food and Lodging Nourriture et hébergement		1001.00	1001.00
Mobilization and Demobilization Mobilisation et démoblisation			
Sub Total of Indirect Costs Total partiel des coûts indirects			1475.00
Amount Allowable (not greater than 20% of Direct Costs) Montant admissible (n'excédant pas 20 % des coûts directs)			1475.00
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)			8895.62

1475.00

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
	× 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	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 AGENT 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 J. P. ... Date Sept 27/91

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
SEC 43/70	W. 66/77	NOV/9/76	S.R.O.	1188517
SEC 36/80	W-L2-90NER	APR. 3/90	M.+S.	

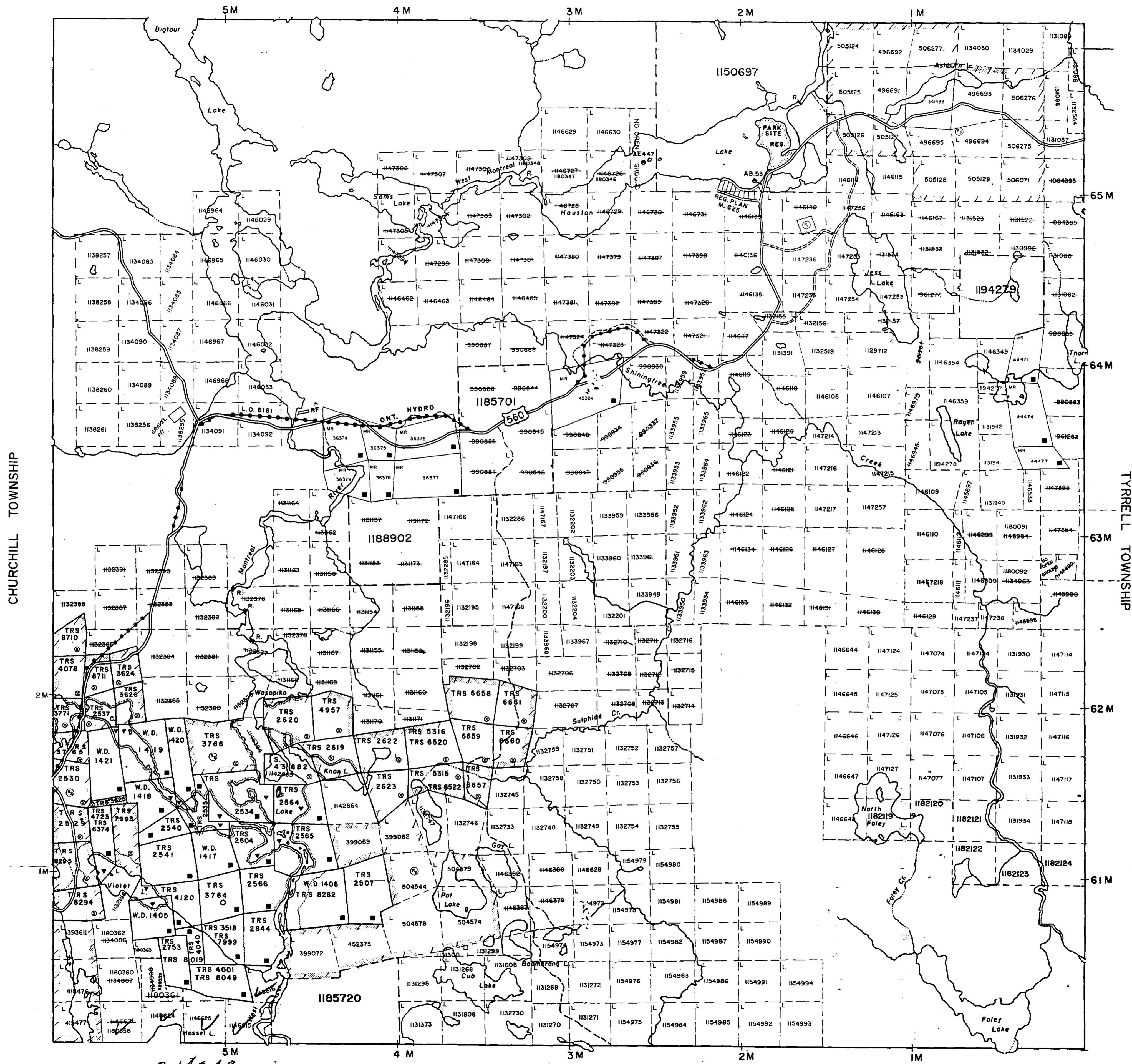
NOTES

NOTICE OF FORESTRY ACTIVITY
 THIS TOWNSHIP/AREA FALLS WITHIN THE SHININGTREE 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
 P0M-IWO
 705-894-2000

GEOLOGY REFERENCE COBALT
 RESIDENT GEO.

NATAL TOWNSHIP



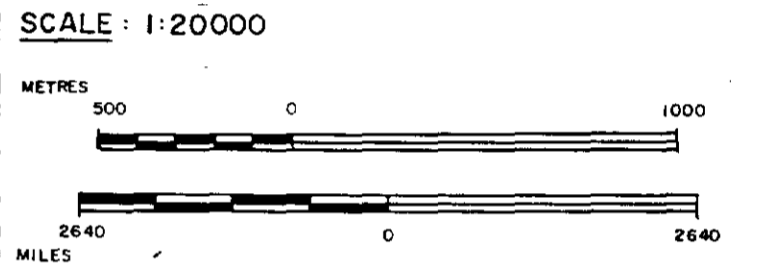
LEGEND

- 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	○
CANCELLED	○
SAND & GRAVEL	○

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



NOTES

MINING LEASES shown thus have been terminated but NOT THROWN OPEN FOR STAKING.

« TWP. OPENED TO STAKING ORDER O _M.L.O._90 EFFECTIVE APRIL 3,1990,7:00AM EST.»

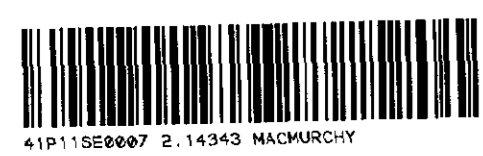
DATE OF ISSUE
 NOV 29 1991
 LARDER LAKE
 MINING RECORDER'S OFFICE

TOWNSHIP
MACMURCHY
 M.N.R. ADMINISTRATIVE DISTRICT
 GOGAMA
 MINING DIVISION
 LARDER LAKE
 LAND TITLES / REGISTRY DIVISION
 SUDBURY

Ministry of Natural Resources Ontario
 Ministry of Northern Development and Mines

Date: APRIL 1990

2.14343



REFERENCES

AREAS WITHDRAWN FROM DISPOSITION

Description	Order No.	Date	Disposition	File
M.R.O. - MINING RIGHTS ONLY				
S.R.O. - SURFACE RIGHTS ONLY				
M.+S. - MINING AND SURFACE RIGHTS				
SEC 36/80	W-12-90NER	APR 3/90	M+S	
SEC 36/80	W-13-90	APR 3/90	M+S	
O-12-90 MER OPENS W-13-90 ON JULY 9 1990				


NOTES

NOTICE OF FORESTRY ACTIVITY

THIS TOWNSHIP/AREA FALLS WITHIN THE SHININGTREE 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
PDM - 1W0
705 - 894 - 2000

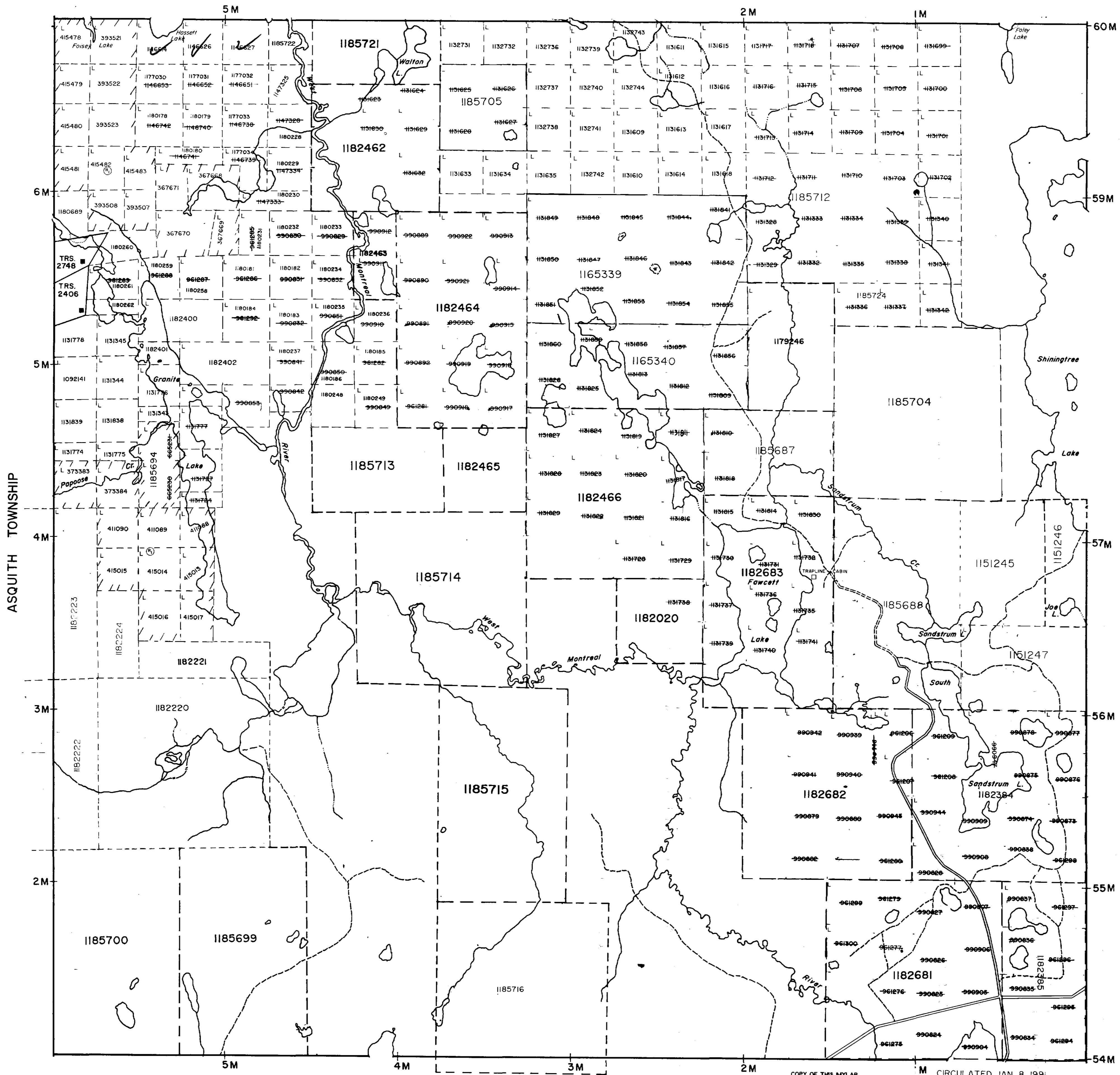
THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES AND ACCURACY IS NOT GUARANTEED. THOSE WISHING TO STAKE MINING CLAIMS SHOULD CONSULT WITH THE MINING RECORDER, MINISTRY OF NORTHERN DEVELOPMENT AND MINES, FOR ADDITIONAL INFORMATION ON THE LANDS



41P115E0007 2.14343 MACMURCHY

MACMURCHY TOWNSHIP

GEOLOGY REFERENCE-COBALT
RESIDENT GEO.

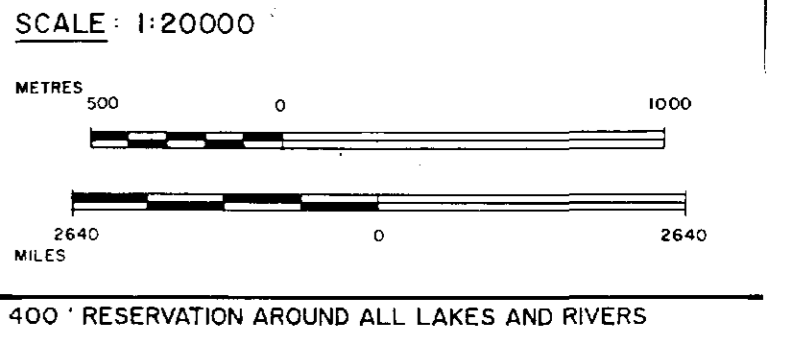


LEGEND

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	



DATE OF ISSUE
JUN 29 1991
LARDER LAKE
MINING RECORDER'S OFFICE

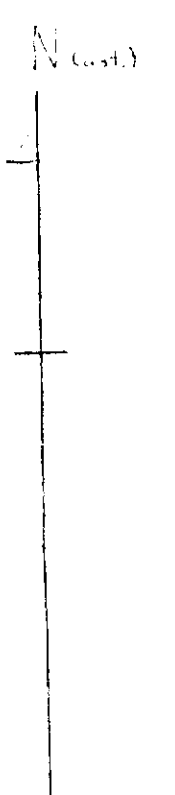
TOWNSHIP SUBJECT TO FORESTRY OPERATIONS

TOWNSHIP
FAWCETT
M.N.R. ADMINISTRATIVE DISTRICT
GOGAMA
MINING DIVISION
LARDER LAKE
LAND TITLES / REGISTRY DIVISION
SUDBURY

Ministry of Natural Resources Ontario
Ministry of Northern Development and Mines

Date: JAN 8 1991
Number: G-971

COPY OF THIS MYLAR ARCHIVED OCT. 25, 1991
CIRCULATED JAN. 8, 1991
COPY OF THIS MYLAR ARCHIVED SEPT 23, 1991



LEGEND

- 7. Diabase dykes
- 6. Mipping Diabase
- 5. Ultramafic Intrusives
 - 5a Tuff Schist
 - 5b Serpentinized Diabase
 - 5c Gabbro
- 4. Metasediments
 - 4a Gneiss
 - 4b Chert
- 3. Felsic Metavolcanics
 - 3a Tuff, lapilli
 - 3d Qtz-schist
- 2. Intermediate Metavolcanics
 - 2a Aphanitic flows
 - 2b Pillowed flows
 - 2c Tuff
 - 2c Amygduled flows
 - 2d Qtz-tyff
 - 2e Carbonatized
- 1. Basic Metavolcanics
 - 1a Basalt
 - 1a Pillowed flows
 - 1b Foliated
 - 1c Amphibolite
 - 1d Amygduled, porphyritic flows
 - 1e Calc-alkaline flows

SYMBOLS

- Bedrock outcrop
- Fault
- Fault interpreted
- Vicinity
- Trench
- Swamp
- Logging Road
- Edge of cut
- Creek
- Claim Post
- Claim Line
- Pit
- Edge of swamp

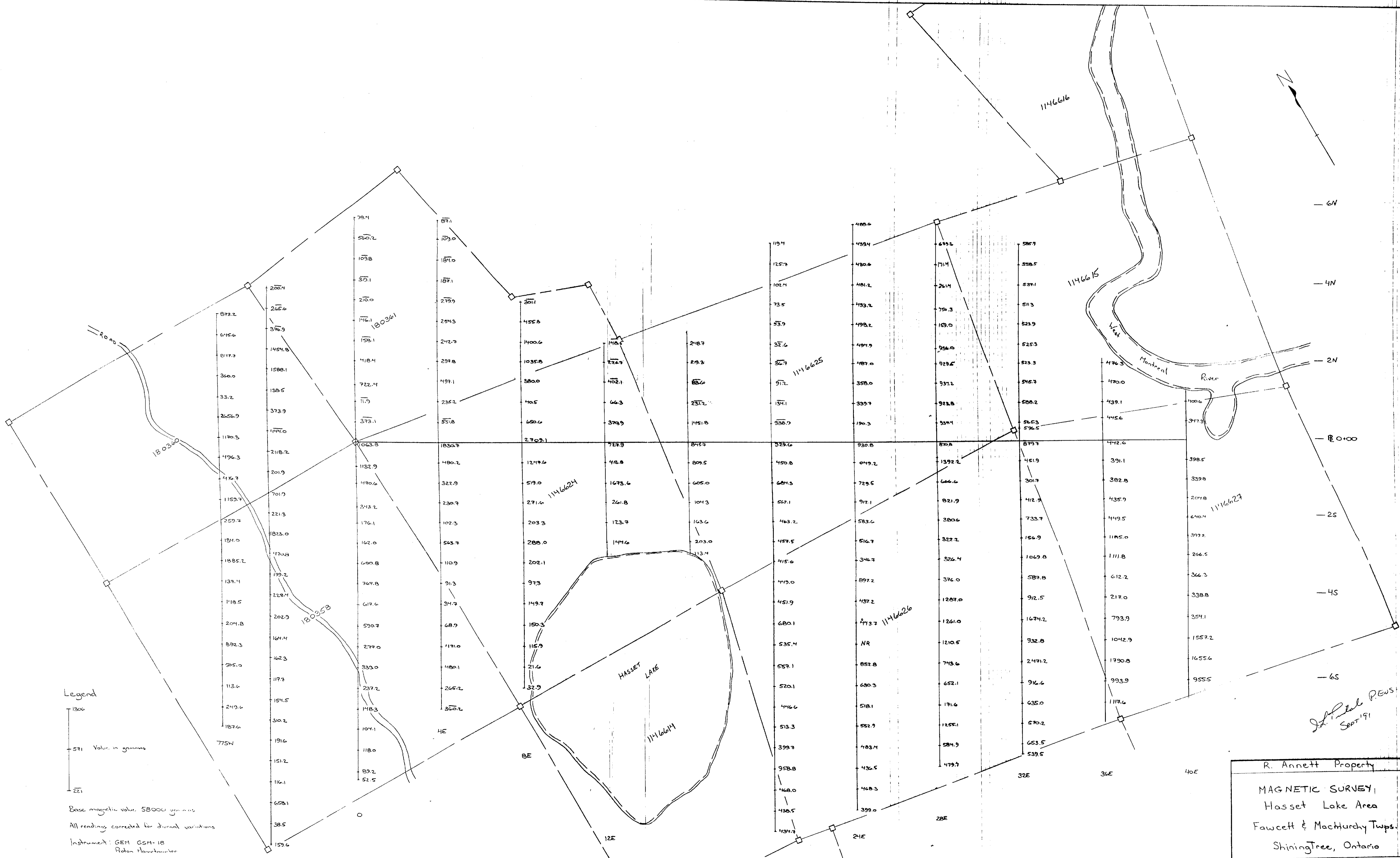
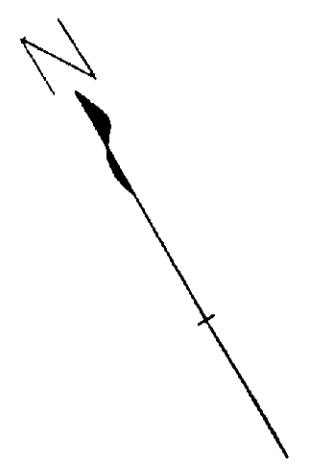


J.L. Tindale PEWS.
SEPT 1991

R. Annett Property

GEOLOGICAL SURVEY
HASSET LAKE AREA
FANCETT & MACMURCHY TWP.
SHINING TREE, ONTARIO

Scale: 1" = 200' Date: Sept. 1991 NTS 41P/14
J. L. TINDALE & ASSOCIATES INC.



Legend

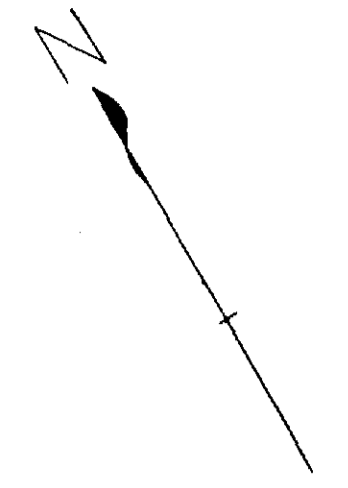
1300
571 Value in gamma
221

Base magnetic value 58000 gamma
All readings corrected for diurnal variations
Instrument: GEM GSM-18
Poton Manufacturing

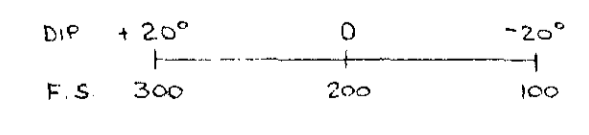
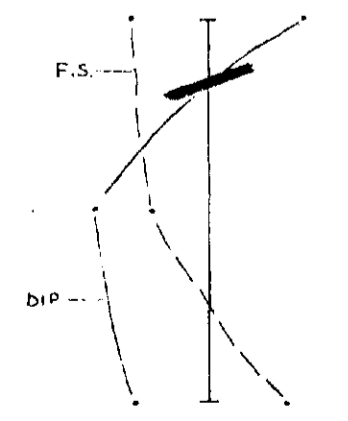
J.P. Peus
SEPT 1991

R. Annett Property
MAGNETIC SURVEY,
Hasset Lake Area
Fawcett & Macphurly Twp.
Shining Tree, Ontario
Scale: 1"=200' Date: Sept 1991 NTS 418/14
J.L. TINDALE AND ASSOCIATES INC.





Legend



Radem VLF-EM Unit
Station: Cutler, Maine
Operator facing east



R. Annett Property		
V.L.F.-EM Survey, Hasset Lake Area Fawcett & Macmurchy Twp. Shining Tree, Ontario		
Scale: 1" = 200'	Date: Sept, 1991	NTS. 419/14
J. L. TINDALE AND ASSOCIATES INC.		

J. L. Tindale R.E.S.
Sept 1991