



31M04SW0155 2 16367 STRATHY

010

GROUND MAGNETOMETER SURVEY

Arsenic Lake Property

Strathy Township

Temagami Area

Sudbury Mining Division

Ontario

Driffield Cameron *J. H. D.*

December 29, 1995.

2.163 67



31M04SW0155 2 16367 STRATHY

010C

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Magnetometer Survey Plan, scale 1:1,200	Back pocket

GROUND MAGNETOMETER SURVEY
ARSENIC LAKE PROPERTY

INTRODUCTION

The Arsenic Lake claims (1189329 and 1189331) in Strathy Township were staked in early January 1992 when the Ontario Government lifted the portion of the Indian Caution which had covered Strathy and two other townships in the Temagami area. Because of the Caution, the area received little attention during the gold exploration boom of the late 1970's and the 1980's.

These claims are contiguous with the west boundary of the Stroud Resources property on which a reserve of 314,000 tons grading 0.217 oz Au/ton has been defined, and is located approximately 2,000 feet west of the shaft site. No work is recorded on the claims in the Toronto assessment work files.

LOCATION

The claims are located in central Strathy Township in the Temagami area of the Sudbury Mining Division. They are recorded on the Strathy claim sheet (G-3451) and are situated within the NTS quadrangle 31-M/4. The ground is found at latitude 47 05'40" and at longitude 79 48'30".

ACCESS

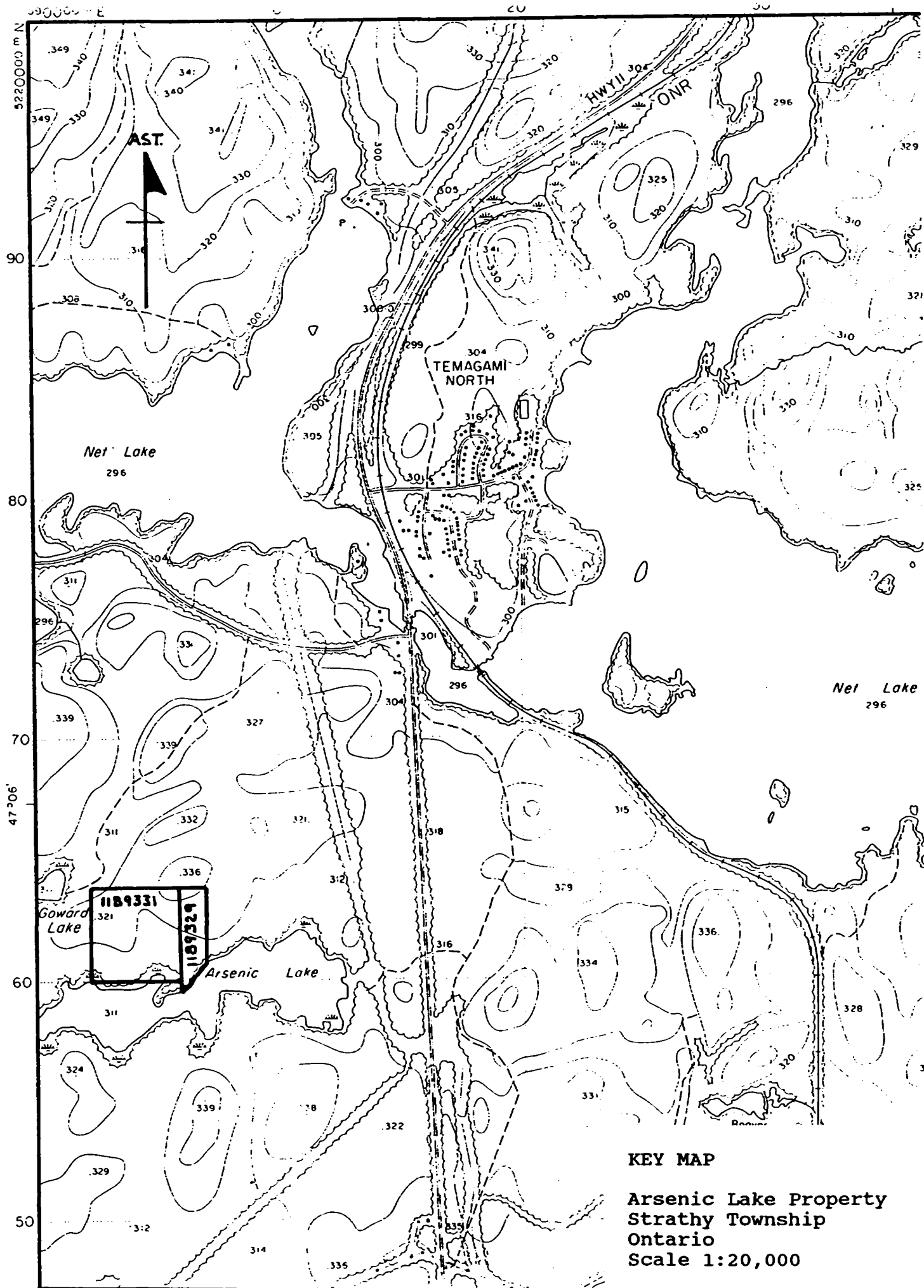
Highway 11 passes northerly through the eastern part of the township, and is located 3,000 feet east of the group. A 1,000 foot long bush road from Highway 11 provides access to the east end of Arsenic Lake, from which point a 2,000 foot canoe trip accesses the property. The town of Temagami is located 3 kilometers south of the bush road in the southeastern corner of the township and is approximately 80 kilometers north of North Bay (via Highway 11) and 415 kilometers north of Toronto (following Highways 400 and 11).

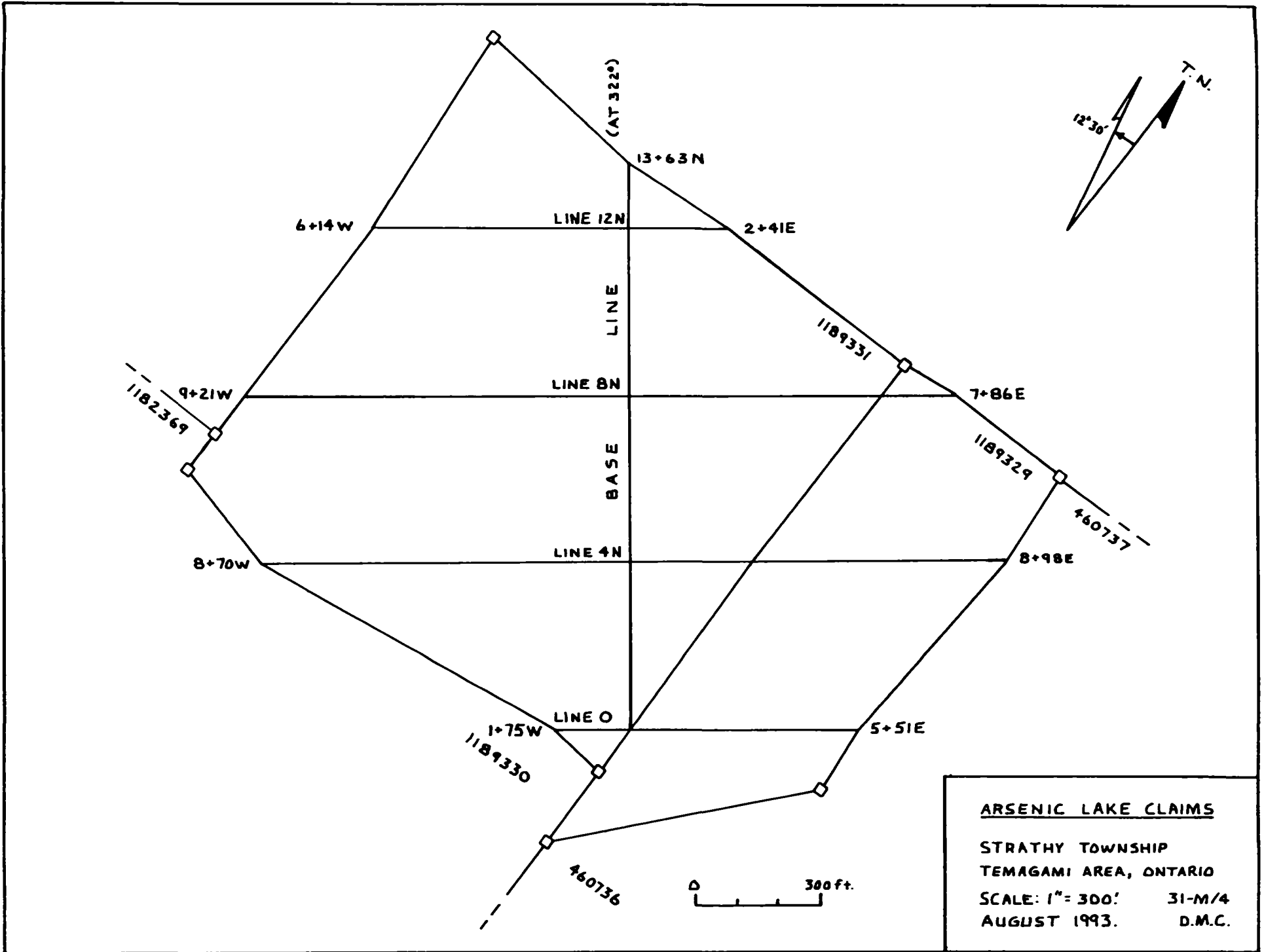
CLAIM INFORMATION

The claims, which are the subject of this report, are numbered 1189329 and 1189331. They are recorded in the name of Mike Caron of P.O.Box 362, Porcupine, Ontario, P0N 1C0.

SUMMARY OF PREVIOUS WORK

A review of the Toronto assessment files indicates that no work has been filed on the claim. In 1963, a combined airborne magnetic and electromagnetic survey flown by Geophysical Engineering and Surveys Limited for Goldfields Mining Corporation Limited traversed to within 1,000 feet of the northern boundary of the claim group. The





ARSENIC LAKE CLAIMS

STRATHY TOWNSHIP
 TEMAGAMI AREA, ONTARIO

SCALE: 1" = 300' 31-M/4
 AUGUST 1993. D.M.C.

electromagnetic unit (a vertical 1100 cycle transmitting coil on one wing and a vertical receiving coil on the other wing) outlined a northwest striking, 5,000 foot long electromagnetic trend which is located 1,300 feet north of the claims. As well, an elliptical 7,000 gamma magnetic high is centered approximately 1,300 feet north of the claim group, indicating that the property is probably on the south flank of this magnetic high.

Geologic Data Inventory Folio 201 indicates that Manitoba and Eastern Mines Ltd. reported work between 1905 and 1908, and between 1934 and 1937, which probably included trenching, stripping, and assaying. However, no records of this work have been accessed, and no drilling has been catalogued.

SURVEY INFORMATION

The survey was run with a Sharpe Instruments of Canada Limited MF1(-100) fluxgate magnetometer, model 321 (FS = 10UA; 1%; 17,000 ohms +/-20%). The 3,000 gamma full scale was read, from which readings could be taken to the nearest 25 gammas.

A grid with a base line oriented 322 degrees astronomic and consisting of 6,418 feet of line had been cut, chained, and picketed. The picket lines (5,056 feet) were surveyed with readings taken at 50 foot intervals, with the operator always facing north. A base station was established on line 0 at the base line, and was read periodically during the survey so that corrections could be made for intraday magnetic drift (The operator returned hourly to the base station to tie-in the surveying.).

The magnetometer surveying was completed by Gordon Cameron and D.M. Cameron (supervisor), both of 2517 Cavendish Drive, Burlington, Ontario, L7P 4J4, on August 19, 1993.

Appended is a plan with the profiled total field magnetic readings.

INTERPRETATION

The grid was established with a base line at 322 degrees astronomic so that the picket lines would transect parallel or subparallel structures to the 346 degree trend of the Stroud-Leckie-Penrose (Big Dan) gold deposit, as well as obtaining a rather acute look at any structure which could be paralleling the axis of Arsenic Lake.

A 330 degree astronomic trending high magnetic response (A) is located on lines 4 north and 8 north between 450 and 500 west. This direction is subparallel to the 346 degree structural trend of the Stroud Resources deposit 3,000 feet to the east. It is also subparallel to two pronounced lineaments (340 and 322 degrees) and a 332 degree trending fracture which were identified on the

property by the geologic mapping. This magnetic trend could be a response to alteration and/or mineralization associated with a fault or shear zone; unfortunately no outcrop occurs proximal to the highs. A magnetic low associated with the east side of the high on line 4 north occurs adjacent to a moderately calcium carbonatized, blocky mafic volcanic with a trace of pyrite.

To the north, on line 12 north, is a single point magnetic high which could be part of the first trend, but offset to the east. This high is 25 feet east of a large outcrop of mafic volcanic which contains up to 3-4% pyrite locally, calcite on fractures and veinlets, and weak silicification.

The only other pronounced magnetic high occurs along line 0 where it crosses the base line in a topographic low, swampy area, and tails off rapidly over a till ridge. It is not reflected on line 4 north. The high could be responding to a lithologic change (a more mafic rock) or to a unit with increased magnetic mineral content in this area.

As the east ends of lines 4 north, 8 north, and 12 north are approached, the magnetic values are increasing gradually and relatively consistently. On line 4 north, a quartz porphyry occurs adjacent to a moderately calcium carbonatized mafic volcanic. On line 8 north, outcropping of coarse grained mafic volcanic or gabbro with 1-2% pyrite occurs with a local magnetic low, 50 feet east of the high magnetics. On line 12 north, an old trench contains mafic volcanics with 1-2% pyrite and calcite filled fractures.

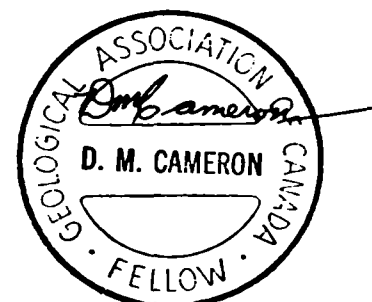
At the west end of line 12 north, a magnetic high occurs 50 feet east of a well defined 332 degree trending lineament which is bordered on the east by massive to blocky mafic volcanics.

RECOMMENDATIONS

Magnetic trend A should be evaluated closely because of its similar strike to the structure which hosts the Stroud-Leckie-Penrose gold deposit. Its relationship to the extension of the strong lineament mapped on line 12 north should be determined. Magnetic anomaly B may represent an offset continuation of trend A, and should be assessed similarly. The area of the east ends of lines 4, 8, and 12 north, where two bodies of quartz porphyry have been identified and where alteration and pyritization has been observed, should be carefully evaluated.

Burlington, Ontario

December 29, 1995.



BIBLIOGRAPHY

- Bennett, G. and Innes, D.G. 1971. Strathy Township, District of Nipissing; Ontario Department of Mines and Northern Affairs, Preliminary Map P.667, scale 1:15,840.
- Bennett, G. and Innes, D.G. 1971. Chambers and Strathy Townships, Nipissing District; Ontario Division of Mines, Map 2323, scale 1:31,680.
- Clark, A.R. 1964. Airborne Magnetic and Electromagnetic Survey, Net Lake Area, Strathy Township, Ontario, Goldfields Mining Corporation Limited; assessment files, Mines and Minerals Library, Toronto, 3p.
- Fyon, A.J. and Crocket, J.H. 1986. Exploration Potential for Base and Precious Metal Mineralization in Part of Strathy Township, Temagami Area; Ontario Geological Survey, Open File Report 5591, 46p.
- Geological Survey of Canada 1965. Airborne Magnetic Survey, Timagami, Ontario; Map 1491G, scale 1:63,360.
- Geological Survey of Canada 1965. Airborne Magnetic Survey, Ville-Marie, Quebec-Ontario; Map 7075G, scale 1:250,000.
- Ontario Geological Survey 1985. Strathy Township, District of Nipissing, Ontario; Geological Survey Geological Data Inventory Folio 201, Compiled by the staff of the Resident Geologist's office, Cobalt, 104p.
- Savage, W.S. 1935. Part of Strathy Township; Ontario Department of Mines, Forty-fourth Annual Report, Vol.XLIV, Part VII, 1935, p.48-56.

STATEMENT OF QUALIFICATIONS

This is to certify that:

I graduated from Acadia University, Wolfville, Nova Scotia in 1971 with a Bachelor of Science Degree in Geology.

I have worked continuously in mining exploration since graduation.

I am a Fellow of the Geological Association of Canada.

I am a Member of the Association of Professional Geologists and Geophysicists of Quebec.

I am a Member of the Canadian Institute of Mining, Metallurgy and Petroleum, and a Member of the Prospectors and Developers Association of Canada.



Report of Work Conducted After Recording Claim
Mining Act

Transaction Number
W9670.00001

Personal information collected on this form is obtained under the authority of the Mining Act. This information will be used for correspondence. Questions about this collection should be directed to the Provincial Manager, Mining Lands, Ministry of Northern Development and Mines, Fourth Floor, 150 Cedar Street, Sudbury, Ontario, P3E 6A5, telephone (705) 870-7284.

2.16367

- Instructions:
- Please type or print and submit in duplicate.
 - Refer to the Mining Act and Regulations for req. Recorder.
 - A separate copy of this form must be complete.
 - Technical reports and maps must accompany it.
 - A sketch, showing the claims the work is assign

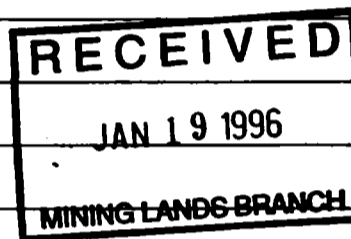


900

Recorded Holder(s) MIKE CARON	Client No. 116051
Address P.O. BOX 362, PORCUPINE, ONTARIO, PONICO	Telephone No. 705-235-8660
Mining Division SUDBURY	Township/Area STRATHY
M or G Plan No. G-3451	
Dates Work Performed From: AUGUST 19, 1993 To: DECEMBER 29, 1995 (REPORT WRITING)	

Work Performed (Check One Work Group Only)

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



Total Assessment Work Claimed on the Attached Statement of Costs \$ 1,003.00

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
DRIFFIELD CAMERON (REPORT AUTHOR)	2517 CAVENDISH DR., BURLINGTON, ONT., L7P 4J4
GORDON CAMERON	" " " " " " "

(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 Jan. 3, 1996	Recorded Holder or Agent (Signature) Driffield M. Cameron
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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 DRIFFIELD CAMERON 2517 CAVENDISH DR., BURLINGTON, ONT., L7P 4J4		
Telephone No. 905-335-8710	Date JAN. 3, 1996	Certified By (Signature) Driffield M. Cameron

For Office Use Only

Total Value Cr. Recorded \$ 1,003.00	Date Recorded Jan. 5/96	ACTING Mining Recorder Ken Guioy	Received Stamp SUDBURY MINING DIV. RECEIVED JAN - 5 1996 A.M. 7:8:9:10:11:12:1:2:3:4:5:6 P.M.
	Deemed Approval Date April 4/96	Date Approved	
	Date Notice for Amendments Sent		

Work Report Number for Applying Reserve	Claim Number (see Note 2)	Number of Claim Units
	1189329	1.
	1189331	1.
Total Number of Claims		2

Value of Assessment Work Done on this Claim	Value Applied to this Claim
\$ 224	\$ 500
779	503
Total Value Work Done	
\$ 1003	\$ 1003

Value Assigned from this Claim	Reserve: Work to be Claimed at a Future Date
—	—
\$ 276	—
Total Assigned From	
\$ 276	—

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

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

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

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

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

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

W 9670.00001

2.163 67

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	\$ 75	
	Field Supervision Supervision sur le terrain	250	\$325
Contractor's and Consultant's Fees Droits de l'entrepreneur et de l'expert- conseil	Type REPORT WRITING	1500	
			1500
Supplies Used Fournitures utilisées	Type		
Equipment Rental Location de matériel	Type MAGNETOMETER	\$ 50	
	CANOE	15	
			65
Total Direct Costs Total des coûts directs		\$ 1890	

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 CAR	\$6.00	
			\$6.00
Food and Lodging Nourriture et hébergement	CABIN, FOOD	72.00	72.00
Mobilization and Demobilization Mobilisation et démobilisation	CAR	38.00	38.00
Sub Total of Indirect Costs Total partiel des coûts indirects			\$116.00
Amount Allowable (not greater than 20% of Direct Costs) Montant admissible (n'excédant pas 20 % des coûts directs)			494.00
Total Value of Assessment Credit (Total of Direct and Allowable indirect costs)			\$2006
Valeur totale du crédit d'évaluation (Total des coûts directs et indirects admissibles)			

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

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

Filing Discounts

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
\$ 2006	\$ 1003
$\times 0.50 =$	

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
$\times 0,50 =$	

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 Driffield M. Cameron Date Jan. 3, 1996

Ministry of
Northern Development
and Mines

Ministère du
Développement du Nord
et des Mines

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

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

May 31, 1996

Our File: 2.16367
Transaction #: W9670.00001

Mining Recorder
Ministry of Northern Development & Mines
933 Ramsey Lake Road, 3rd Floor
Sudbury, Ontario
P3E 6B5

Dear Mr. Denomme:

**SUBJECT: APPROVAL OF ASSESSMENT WORK CREDIT ON MINING LAND, CLAIM(S)
1189329 & 1189331 IN STRATHY TOWNSHIP**

Assessment work credit has been approved as outlined on the attached Report of Work Form. The credit has been approved under Section 14 (Geophysical) of the Assessment Work Regulation.

The approval date is May 17, 1996. Please indicate this approval on the claim record.

If you have any questions regarding this correspondence, please contact Steven Beneteau at (705) 670-5861.

Yours sincerely,
ORIGINAL SIGNED BY:



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

SBB/jl
Enclosure:

cc: Resident Geologist
Cobalt, Ontario

Assessment Files Library
Sudbury, Ontario

DISTRIBUTION OF ASSESSMENT WORK CREDIT

MAY 31, 1996

FILE NUMBER: 2.16367

TRANSACTION #: W9670.00001

<u>CLAIM NUMBER</u>	<u>VALUE OF WORK PERFORMED</u>
1189329	\$203.00
1189331	\$550.00

TOTAL	\$753.00

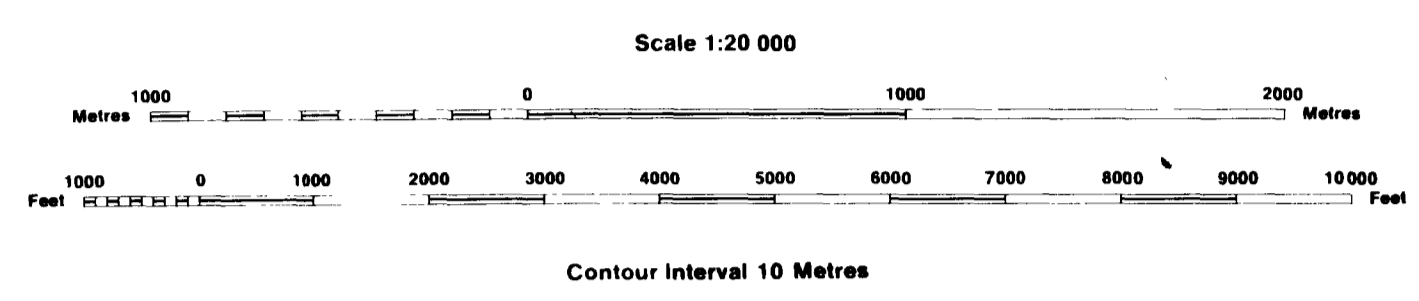
INDEX TO LAND DISPOSITION

PLAN
 G-3451
 TOWNSHIP

M.N.R. ADMINISTRATIVE DISTRICT
TEMAGAMI
 MINING DIVISION
SUDBURY
 LAND TITLES/REGISTRY DIVISION
NIPISSING

STRATHY

DATE OF ISSUE
1994
 SUDBURY
 MINING RECORDER'S OFFICE



SYMBOLS

- Boundary
- Township, Meridian, Baseline
- Road allowance; surveyed shoreline
- Lot/Concession, surveyed, unsurveyed
- Parcel, surveyed, unsurveyed
- Right-of-way, road, railway, utility
- Reservation
- Cliff, Pit, Pile
- Contour
- Interpolated
- Approximate
- Depression
- Control point (horizontal)
- Flooded land
- Mine head frame
- Pipeline (above ground)
- Railway, single track, double track, abandoned
- Road; highway, county, township
- access
- trail, bush
- Shoreline (original)
- Transmission line
- Wooded area

AREAS WITHDRAWN FROM DISPOSITION

MRO - Mining Rights Only
 SRO - Surface Rights Only
 M + S - Mining and Surface Rights

Description	Order No.	Date	Disposition	File
(N) 34(e)R.S.O.1960	OC 2022/66		SRO.	3596
(R) 66C.66/60	W.1/64	16.03/64	M. & S.	106646
(R) 7-01/91/ONT	SEP.20/91	S.R.O.	LAND ROLL	
(R) 7EC.36/80	M.S.-02/91/NER		M & S	19880
(R) PENDING DISPOSITION UNDER THE PUBLIC LANDS ACT			LAND NOT OPEN FOR STAKING SUB-SECTION 30(B) OF THE MINING ACT R.S.O. 1990	
(R) PENDING DISPOSITION UNDER THE PUBLIC LANDS ACT			LAND NOT OPEN FOR STAKING SUB-SECTION 30(B) OF THE MINING ACT R.S.O. 1990	
(R) 7EC.36/90	M.S.-30/94	APR.15/94	M & S	19860
SEC.35/90	O.S.-18/95	AUG.11/95	M & S	19510
(R) 34-26/90	M.S.-79/94	MAY.07.1994	M & S	19810
(R) SEC.35/90	O.S.-31/94	AUG.11/94	M & S	19510
(R) SFC.35/90	W.S.-32/95	JUN.11/95	M & S	19510

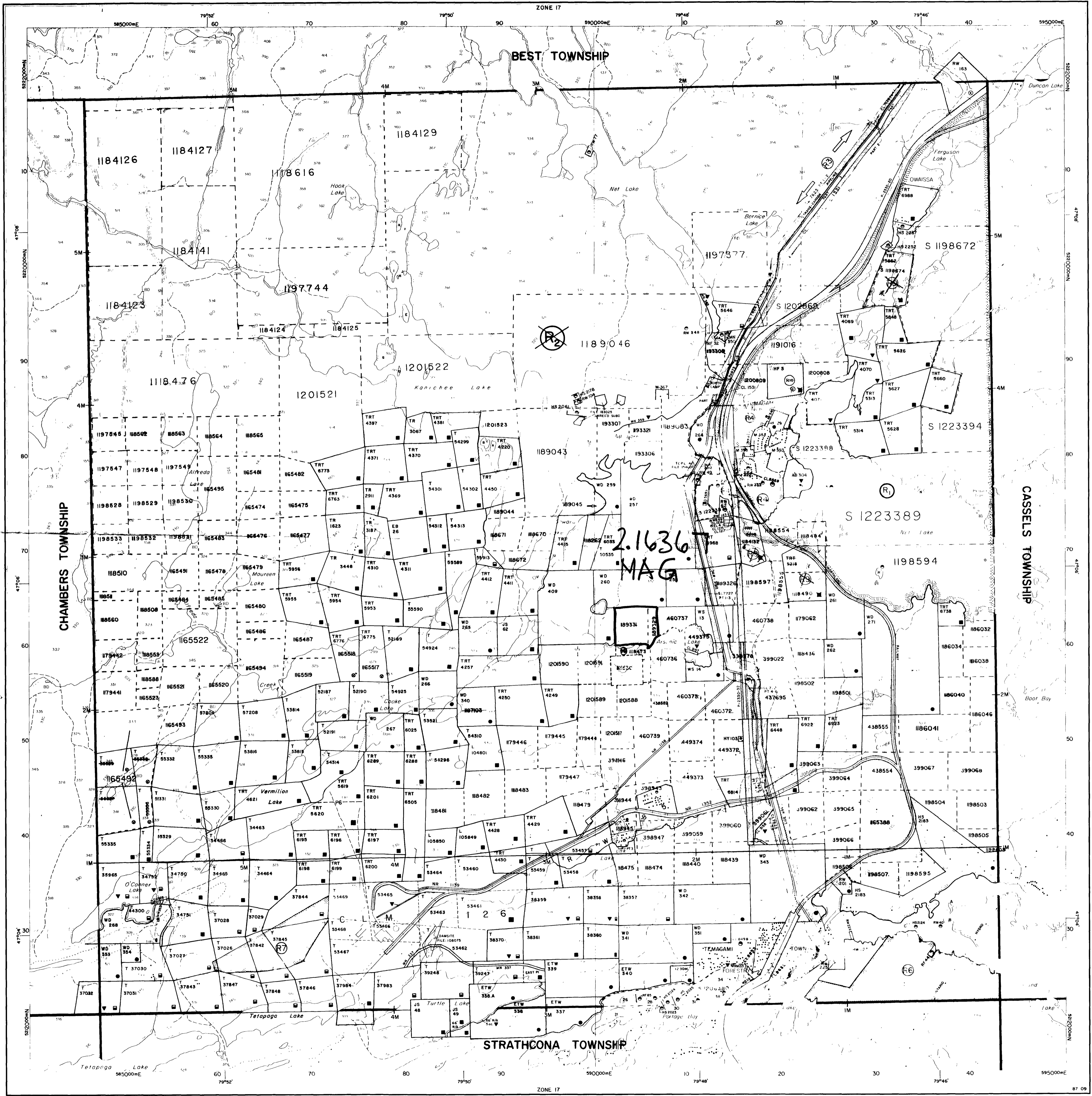
DISPOSITION OF CROWN LANDS

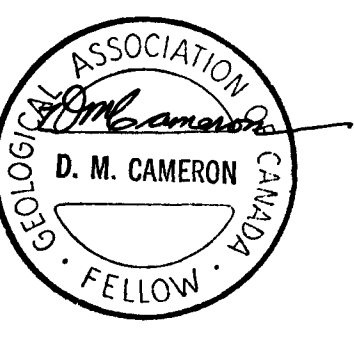
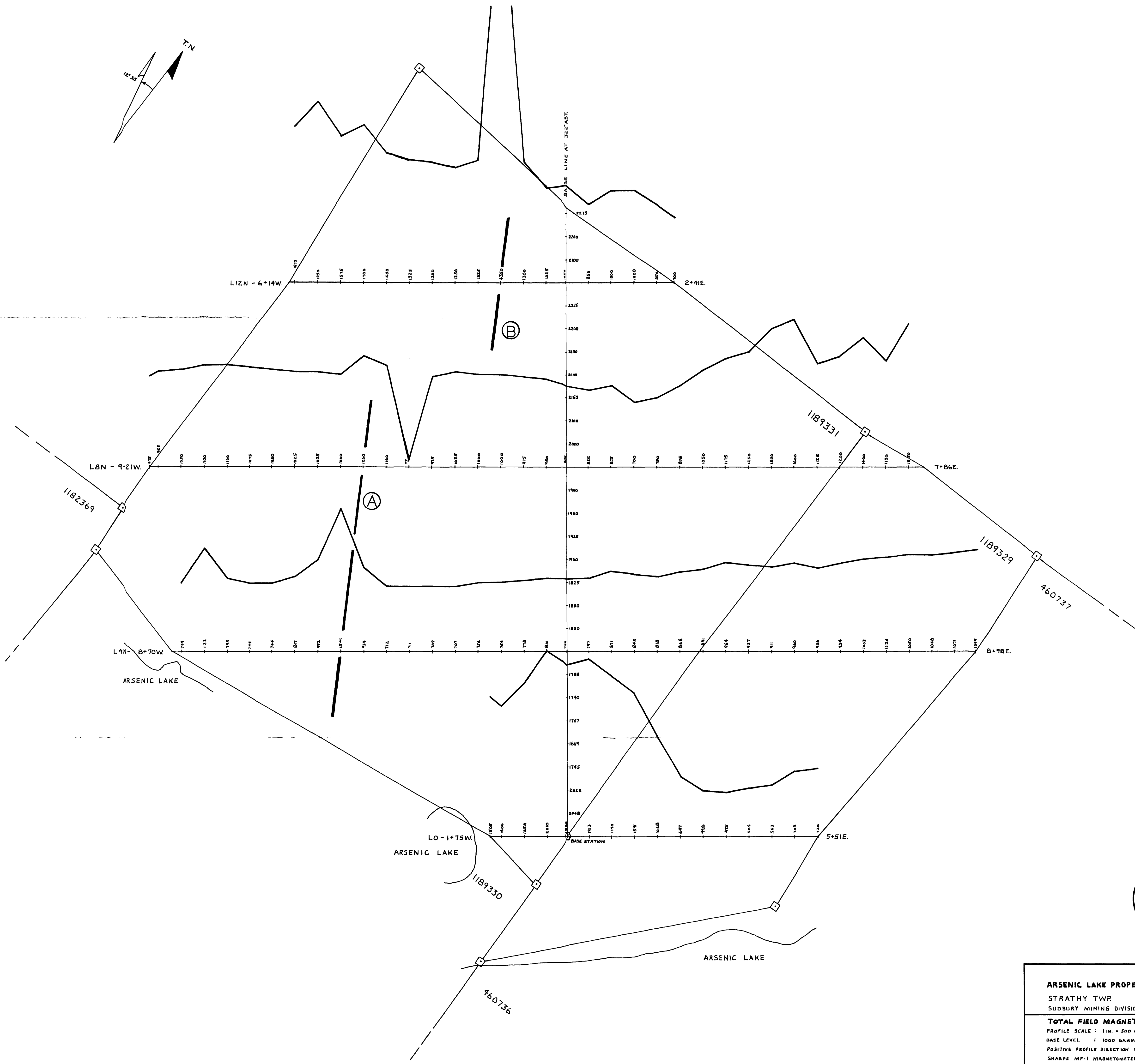
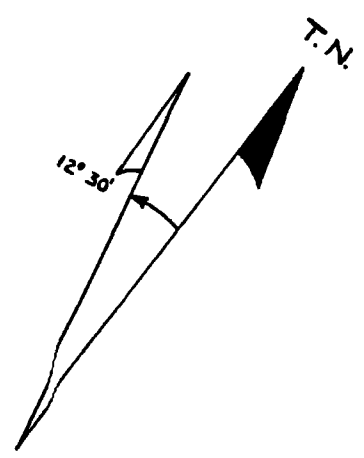
- Patent
- Surface & Mining Rights
- Surface Rights Only
- Mining Rights Only
- Lease
- Surface & Mining Rights
- Surface Rights Only
- Mining Rights Only
- Licence of Occupation
- Order-in-Council
- Cancelled
- Reservation
- Sand & Gravel

NOTES

ISLAND 27 BELONGS WITH STRATHCONA TWP.
 ISLANDS IN LAKE TEMAGAMI - NOT OPEN FOR STAKING
 * JUNE 1, 1994 OPENINGS
 ONTARIO GAZETTE-VOL.127-20
 MAY 14, 1994 PAGE 1573

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 REFORMER, MINISTRY OF NORTHERN DEVELOPMENT AND MINES FOR ADDITIONAL INFORMATION ON THE STATUS OF THE LANDS SHOWN HEREON.





ARSENIC LAKE PROPERTY
 STRATHY TWP.
 SUDBURY MINING DIVISION, ONT.

TOTAL FIELD MAGNETIC PROFILES
 PROFILE SCALE : 1 IN. = 500 GAMMAS
 BASE LEVEL : 1000 GAMMAS
 POSITIVE PROFILE DIRECTION : NORTH
 SHARPE MF-1 MAGNETOMETER

SCALE 1:1200

SURVEY BY D.M. CAMERON AUGUST 1953. 31-M/4.

