

41014SW9184 2.15028 COCHRANE

010

2. 150 28

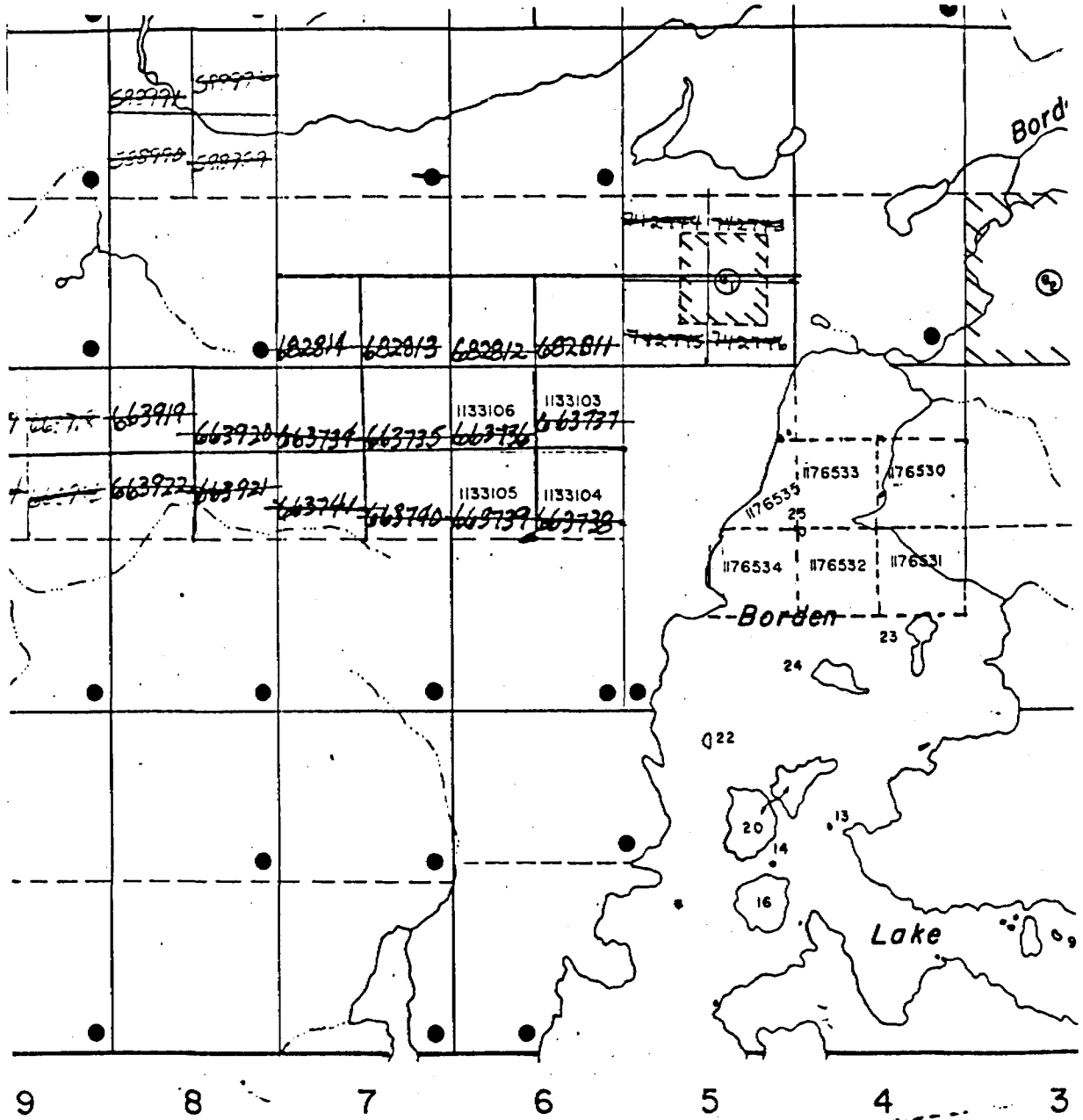
REPORT
ON
VLF-EM SURVEY
COCHRANE TOWNSHIP

RECEIVED
MAY 20 1993
MINING LANDS BRANCH

Qual. # 2.12657

Michael A. Tremblay
Geological Engineering Technician

LaPeltrie, Quebec
March 16, 1993



INTRODUCTION

During January of 1992 a VLF-EM survey was performed by the author over a group of six claims within Cochrane Township, District of Sudbury, Ontario.

LOCATION AND ACCESS

The six claims covered in this report consist of P.1176530 to 1176535 inclusive. The claims cover the south half of the north half of Lot 4 Concession 2, the north half of the south half Lot 4 Concession 2, the southeast quarter of the north half of Lot 5 Concession 2 and the north-east quarter of the south half of Lot 5 Concession 2, Cochrane Township. The town of Chapleau is located approximately six miles to the west of the claim group. Access to the property is by boat or by foot from the Grout Bay Landing of Borden Lake on Highway 101 West.

PREVIOUS WORK

There is no evidence of any previous work on the property. However, Noranda Exploration Co. Ltd. carried out an extensive exploration program in the early to mid 1980's on a group of claims located one half mile to the west-northwest of the property.

B. Groves in his report "Report on Ground Magnetometer and Horizontal Loop E.M. Surveys" (Noranda Exploration, 1984. File T-2826) writes: "Detailed geological mapping by Noranda has revealed east-west trending sequences of ultramafic, intermediate and felsic volcanics, with an increasing occurrence of clastic sediments towards the western portion of the property. Sulphide mineralization was noted within the intermediate to mafic flows."

P. Dunbar, (Geology of...Assesment File T-2826) writes: "Due to extensive alteration of the roadcut and abundance of sulphide mineralization, it is possible to conclude that this outcrop may be located in close proximity to a volcanic alteration pipe."

SURVEY SPECIFICATIONS

The VLF-EM16 survey was performed along north-south grid lines spaced 400 feet apart. A total of 7.46 miles of grid line were cut. A total of 284 readings were taken at stations spaced 100 feet apart. The survey was performed using Cutler, Maine 24.0 KHz. Both in-phase and quadrature readings were recorded.

DATA PRESENTATION

In-phase and quadrature components of the secondary electro-magnetic field are plotted in profile on the accompanying map at a scale of 1"=32'. The map is drawn at a scale of 1"=200'.

DISCUSSION OF RESULTS

Two strong conductive horizons were delineated in the survey.

ANOMALY A

This feature can be traced across the entire strike length of the property. The feature is strongest between lines 42E and 54E. In this area it shows very good conductivity and good width, likely in excess of 100 feet. Between lines 14E and 38E the conductor is again strong, but appears to be narrower. It also appears to be masked somewhat by the lake sediments. The feature likely represents the eastern extension of the sulphide/oxide iron formation noted in drill logs of Noranda Exploration (assessment file T-2826).

ANOMALY B

This feature is located on lines 22-26E and again on lines 42-54E. On lines 22-26E it is a very subtle feature which may be masked in part by the lake sediments. At lines 42-54E the feature shows very good conductivity and widths up to 50 feet. This feature appears to be associated with a felsic fragmental unit noted just east of the survey area. This unit also outcrops immediately south of the conductor on line 22E. A gossan zone has been located on strike of this feature 200 feet to the east of the property.

CONCLUSIONS AND RECOMMENDATIONS

Two conductive features are of note in the survey area. Anomaly A appears to be a regionally extensive sulphide/oxide iron formation. Anomaly B is associated with a felsic pyroclastic unit. Sulphide mineralization is known to occur in association with this feature.

Further work should include a detailed magnetometre survey to better define the structural features of the property and to assist in better defining the cause and extent of the conductive features. A max-min survey is also recommended to better define the conductive features of the property.

Respectfully submitted,


Michael A. Tremblay

CERTIFICATE

I, Michael Alexander Tremblay, of the Township of Black River-Matheson, Province of Ontario, do hereby certify that:

1. I am a geological engineering technician residing a RR#2 Matheson, Ontario.
2. I have a diploma from Sault College A.A.T. for Geological Engineering Technician Program.
3. I have worked steadily in various capacities in mining exploration since graduating in 1983.
4. I hold a direct 100% interest in the property.
5. The statements made herein are based on the study of published reports and on the results of the survey that I performed and have herein described.

Dated March 16, 1993
LaPeltrie, Quebec


Michael Alexander Tremblay

Report of Work Conducted After Recording Claim

Transaction Number
W9360.00076

Mining Act



900

Personal information collected on this form is obtained under the authority of the Mining Act. This collection should be directed to the Provincial Manager, Mining Lands, Ministry 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) Michael A. Tremblay	Client No. 203056
Address P.O. Box 393 Matheson Ontario P4N 1C9	Telephone No. 273-2051
Mining Division Porcupine	Township/Area Cochrane Tp
M or G Plan No.	
Dates Work Performed From: November 3/91 To: January 29/92	

Work Performed (Check One Work Group Only)

Work Group	Type
Geotechnical Survey	ULF-EM 16 Survey
Physical Work, Including Drilling	
Rehabilitation	
Other Authorized Work	
Assays	
Assignment from Reserve	

MINING LANDS BRANCH

Total Assessment Work Claimed on the Attached Statement of Costs \$ 3,199.00 M.T.

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
Michael Tremblay	P.O. Box 393 Matheson, Ontario P4N 1C9

RECORDED
MAR 26 1993
Receipt _____

(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 March 26/93	Recorded Holder or Agent (Signature) [Signature]
--	---------------------	---

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: Michael Tremblay, P.O. Box 393 Matheson, Ontario
Telephone No.: 273-2051
Date: March 26/93
Certified By (Signature): [Signature]

For Office Use Only

Total Value of Recorded Work Performed: 53,199
Date: MAR 26 1993
Date: JUNE 24 1993
[Signature]

RECORDED
MAR 26 1993



Ministry of
Northern Development
and Mines
Ontario
Ministère du
Développement du Nord
et des mines

**Statement of Costs
for Assessment Credit**

**État des coûts aux fins
du crédit d'évaluation**

Mining Act/Loi sur les mines

Transaction No./N° de transaction

W9360.00076

2.15028

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) 870-7264.

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) 870-7264.

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 Line cutting	2,424	
	UL-FEM Survey	675	
			3,099
Supplies Used Fournitures utilisées	Type		
Equipment Rental Location de matériel	Type		
Total Direct Costs Total des coûts directs			3,099

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		
	Gasoline	50	
			50
Food and Lodging Nourriture et hébergement	grub	50	50
Mobilization and Demobilization Mobilisation et démobilisation	MINING LANDS BRANCH		
Sub Total of Indirect Costs Total partiel des coûts indirects			100
Amount Allowable (not greater than 20% of Direct Costs) Montant admissible (n'excédant pas 20 % des coûts directs)			
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)	3,199

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
	x 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
	x 0.50 =

Certification Verifying Statement of Costs

I hereby certify that the information contained in this statement of costs was prepared and submitted in accordance with the provisions of the accompanying Report of Work form.

I am authorized to sign this statement.

Attestation de l'état des coûts

MAR 20 1999

I hereby certify that the information contained in this statement of costs was prepared and submitted in accordance with the provisions of the accompanying Report of Work form.

Et je suis autorisé à signer cette déclaration.



Ministry of
Northern Development
and Mines

Ministère du
Développement du Nord
et des Mines

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

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

June 29, 1993

Our File: 2.15028
Transaction #: W9360.00076

Mining Recorder
Ministry of Northern Development
and Mines
60 Wilson Avenue
1st Floor
Timmins, Ontario
P4N 2S7

Dear Sir/Madam:

Subject: APPROVAL OF ASSESSMENT WORK CREDITS ON MINING CLAIMS
P.1176530 ET AL. IN COCHRANE TOWNSHIP

The assessment work credits for the Geophysical survey filed under Section 14 of the Mining Act Regulations have been approved as originally filed.

The approval date is June 21, 1993.

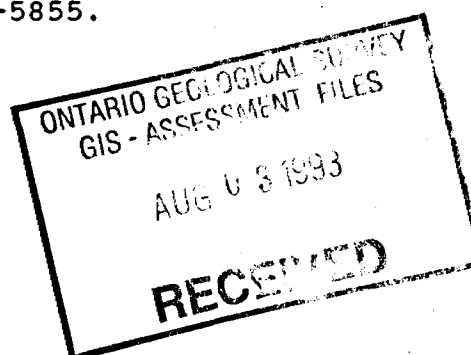
If you have any questions regarding this correspondence, please contact Lucille Jerome at (705) 670-5855.

Yours sincerely,

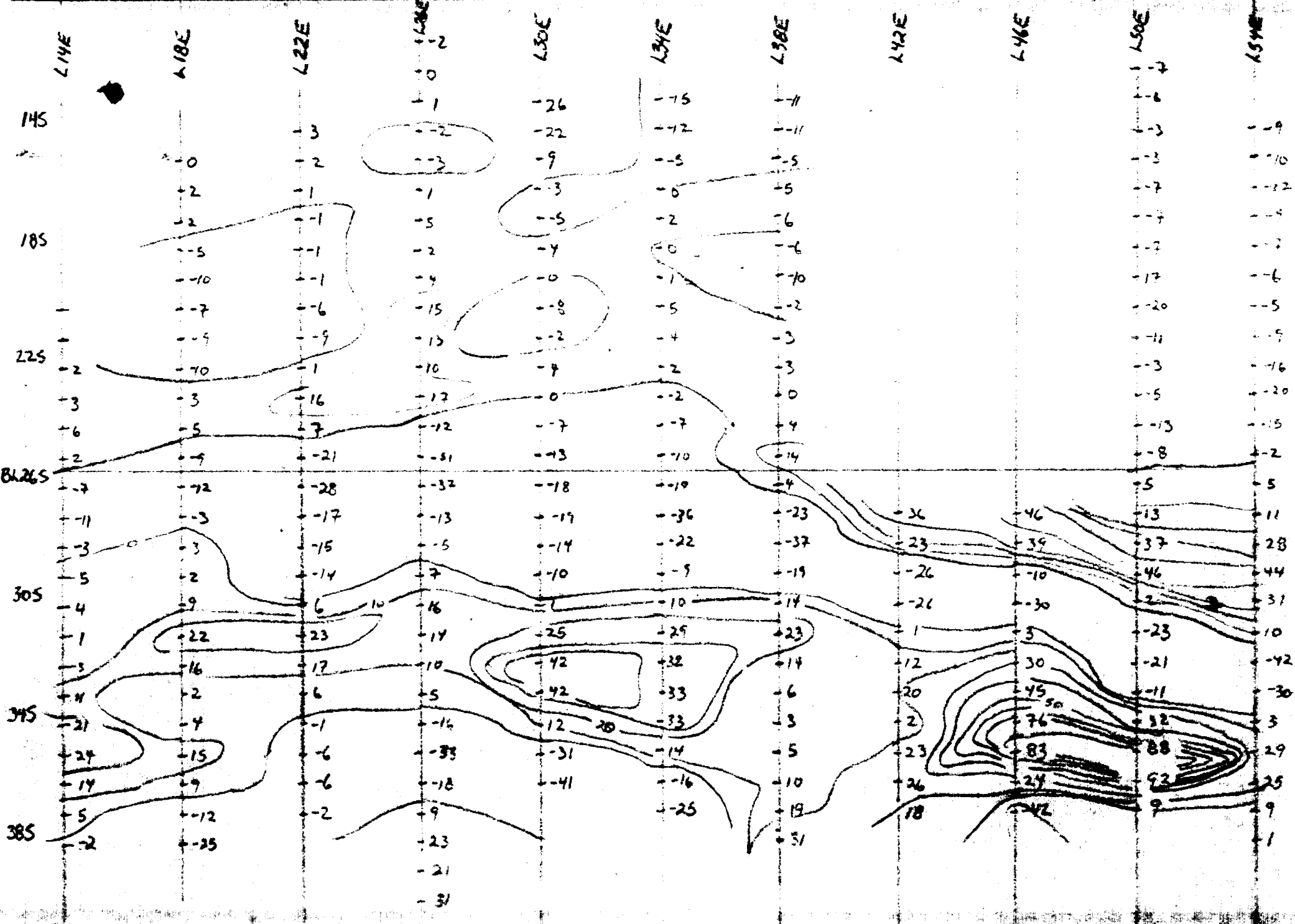
Ron C. Gashinski
Senior Manager, Mining Lands
Mines and Minerals Division

LJ/jl
Enclosures:

cc: Resident Geologist
Timmins, Ontario



✓ Assessment Files Library
Toronto, Ontario



2. 15028

Cochrane East Project
FRASER FILTER
Contour Sketch



Handwritten signature

2.15028 SURVEY (ULF-EM16)

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	⊙

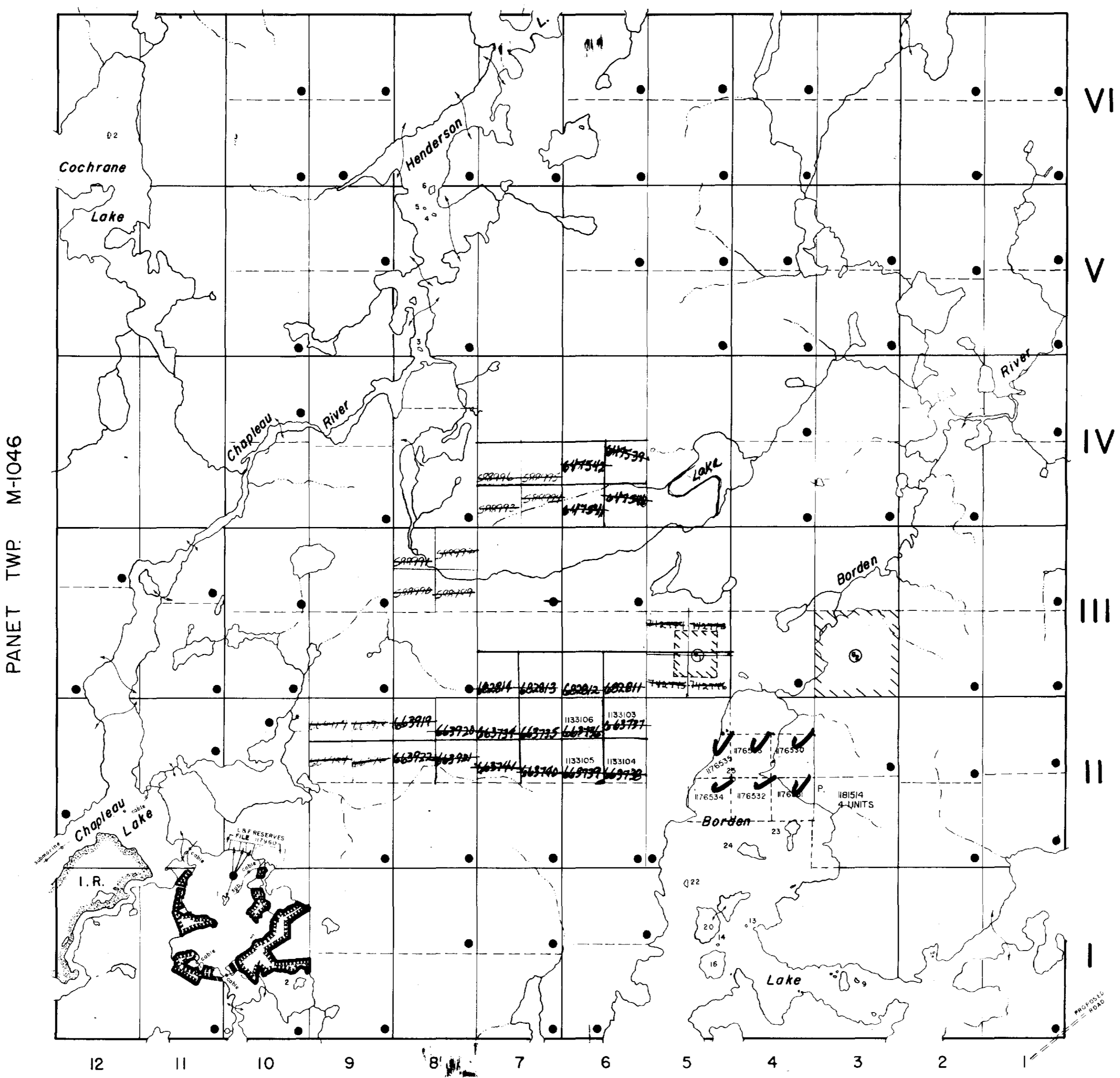
NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 6, 1913, VESTED IN ORIGINAL PATENTEE BY THE PUBLIC LANDS ACT, R.S.O. 1970, CHAP. 380, SEC. 63, SUBSEC. 1.

SAND & GRAVEL

- ① GRAVEL FILE 58008
- ② M.T.C. PIT NO 961 FILE 117961

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

D'ARCY TWP. M-749



BORDEN TWP. M-673

PANET TWP. M-1046

GALLAGHER TWP. M-823

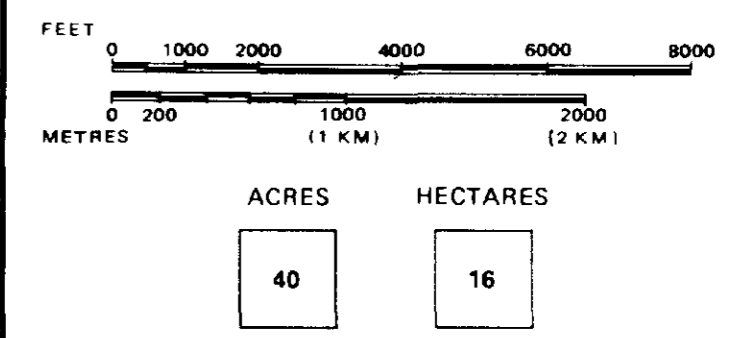
LEGEND

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	
REGISTERED PLAN OF SUBDIVISION	

NOTES

400' surface rights reservation along the shores of all lakes and rivers.

SCALE: 1 INCH = 40 CHAINS



TOWNSHIP OF
COCHRANE
DISTRICT
SUDBURY
MINING DIVISION
PORCUPINE

RECEIVED
MAY 20 1993
MINING DIVISION
RECEIVED
MAY 12 1993

Ministry of Natural Resources
Ontario
Surveys and Mapping Branch

Date FEB / 80

Plan No.

National Topographic Series

M-724



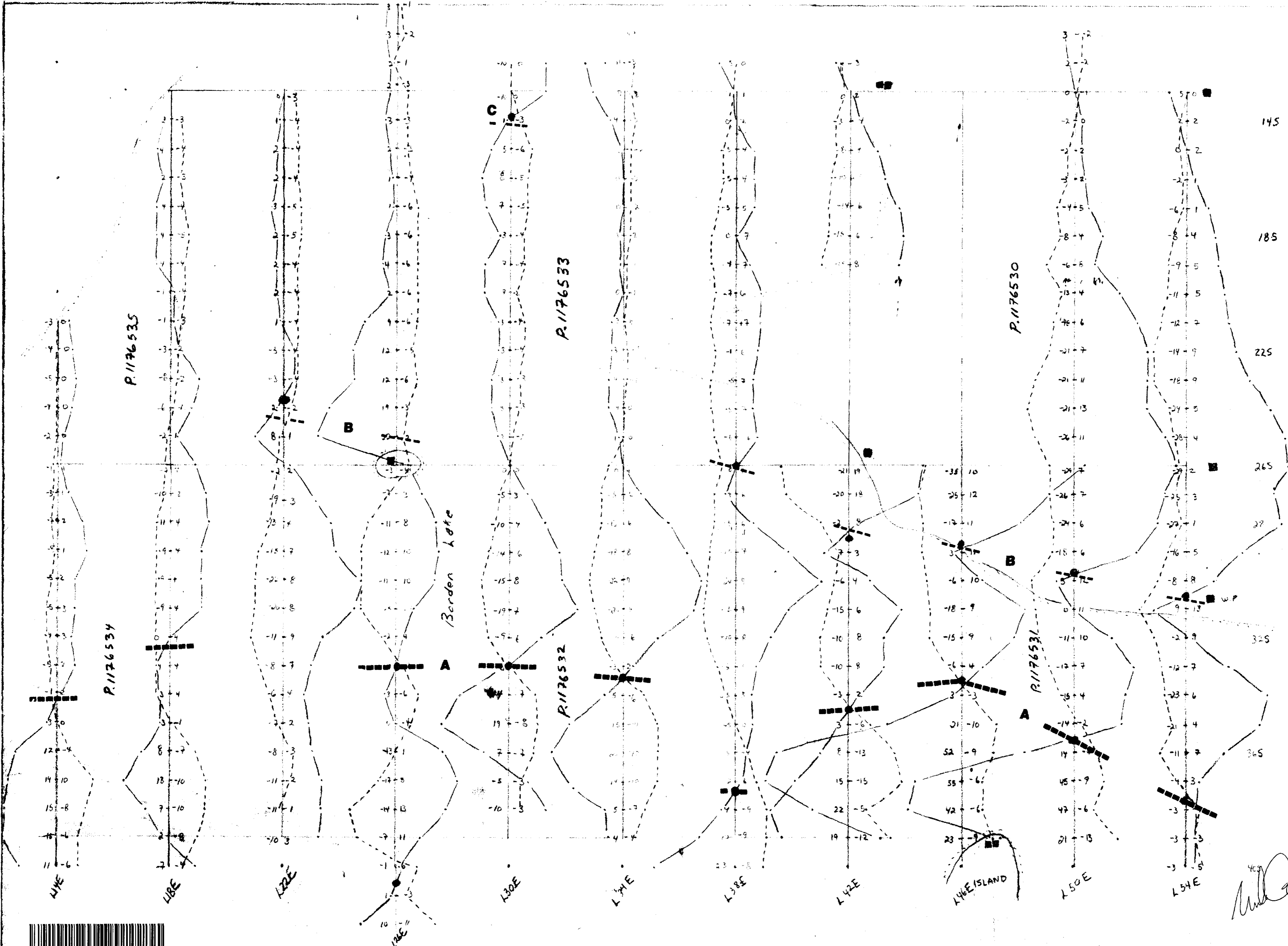
4101459184 2.15028 COCHRANE

200

M-55-M

COCHRANE TWP

45T



145

185

225

265

27

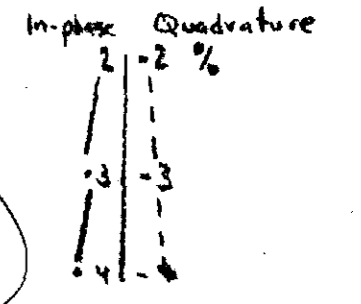
325

365

2-13028

VLF SURVEY
EAST BLOCK
COCHRANE TWP

- - - In-phase
- - - Quadrature
- Claim Post
- - - Conductor Axis



Handwritten signature

NAA Culler, Maine - 24.0 KHz

