42A01SE0200 2.5067 EBY

010

ASSESSMENT REPORT

Spectrometer Radiometric Survey

Reed Claims Group A

Eby - Otto Township: Larder Lake Mining Division

RECEIVED
SEP 15 1982
MINING LANDS SECTION

Swastika, Ontario.
August 31, 1982

J. D. Reed

Summary:

During the summer of 1981 a programme of line cutting and outcrop location was initiated, Mag and E.M. surveys were run continuing into the following winter. This was followed by a spectrometer survey in the summer of 1982 in the hope of aiding in the location of potassium bearing syenitized rocks of commercial value.

Introduction:

The property was staked in 1979 at the time of the release of the Ontario Geological Survey airborne E.M. maps. One channel four anomaly was indicated. Five claims L 532919, 532920, 532921, 532993, and 532992 were staked in Eby township.

Location and Access:

These claims are located in lots 1,2 and 3 Consession V of Eby township and are intersected by Highway 11 about two miles south east of its junction with Highway 66.

Previous work:

A number of old trenches and pits are evident on the property and records of drilling done by Morris Fishkin are on file at the Kirkland Lake office. In 1980 one hundred feet of diamond drilling with the anomaly previously mentioned as a target was done. The core-log is filed with the ministry at Kirkland Lake. Line cutting, Magnetic and E.M. surveys

were run in 1981-82, the results also being on file.

Survey Method:

A grid was cut and chained. A McPhar TV-1A spectrometer was used and was left continuously running, readings being taken at the 100 ft. stations. An overall picture of the property as far as radioactivety was what was sought with the view to locating syenitized formations which may contain economic gold values. Total count was used at a range of x 100.

Survey results:

The overall background of the property shows it to be 40 to 70 counts. The higher readings at the east end of the property vanish under the low land with much overburden. The areas to the west with above background readings is an outcrop but has not been investigated at this time. The west side of claim 532919 has no outcrop and will be difficult to investigate.

Conclusion and Recommendations:

As a prospecting tool the survey has indicated at least four areas worth investigating and will augment the Mag and E.M. surveys of last year, especially in the proximity to the high tension lines. It is recommended that detailed geological mapping be done with special care taken to investigate the areas with above background readings.

Certificate

I, James David Reed, residing in the township of Grenfell, Ontario, and having a mailing address of R.R.#2, Swastika, Ontario, do hereby certify that I have personally accumulated and set forth the facts in the accompanying report and maps, and that this information is true.

August 31, 1982

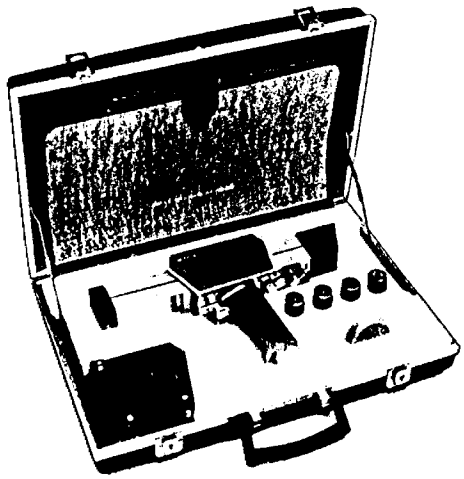
James D Reed

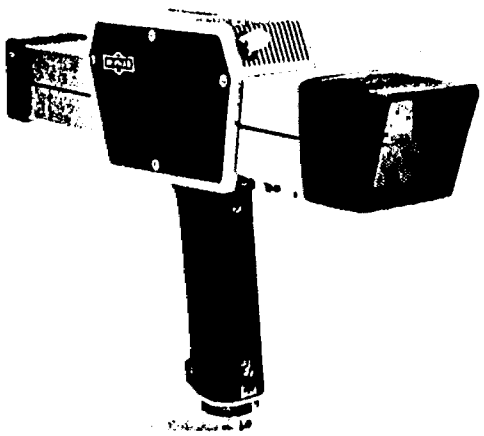
James David Reed B.A., B.Ed.

Field use is convenient with leather holster

ically sealed, magnetically shielded and mounted in the forward end of the scintillometer housing.
A speaker provides a variable pitch output with changing radiation levels. A speaker control, mounted on the top of the instrument, can be used to adjust the pitch for any given level of radiation.

TV-1A spectrometer comes complete with a leather holster, thorium calibrating source and a foam fitted attache case.





Specifications

Measurement Ranges: Four switch positions provide full scale counts per minute of 100, 1,000, 10,000 and 100,000.

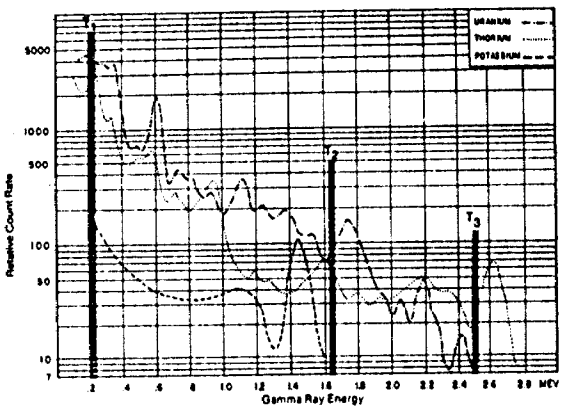
Time Constant: Threshold T_1: 1 and 10 seconds. Thresholds T_2 and T_3: 10 seconds.

Speaker: Variable pitch output governed by radiation intensity.

Temperature Range: –35 degrees to +55 degrees C.

Detector Crystal: NaI (T) 1½" x 1½" (43 cu. cm.) and matched photomultiplier hermetically sealed.

Battery Supply: Two "C" size flashlight cells located in handle. On-off control by either trigger or slide switch.



Gamma Ray Spectra from Natural Ores or Their Constituents

Voltage Regulation: Internally generated high and low voltages are highly regulated down to ½ initial battery voltage.

Accessories: Leather belt holster, thorium calibrating source, spare batteries, instruction manual, foam fitted attache case.

Weight: 3 pounds.

McPhar Instrument Corporation

Head Office:

55 Tempo Avenue
Willowdale, Ontario, Canada M2H 2R9
Tel: (416) 497-1700 Telex: 0623541
Cable: McPHAR TOR

Sales agents in:

Africa, Asia, Australia, Europe,
North & South America

Contact McPhar Instrument Corp. head office for the agent in your area.

TV-1A Radiation Spectrometer

A 3-channel instrument for reconnaisance use

Both meter and audio reading

Four count scales

Trigger on-off switch

Functional pistol design

Lightweight



Model TV-1A is a three channel, integral type radiation spectrometer. Measurements are based on the spectral characteristics of gamma radiation from radioactive elements. Selection of the operating threshold is made by means of the threshold selector switch.

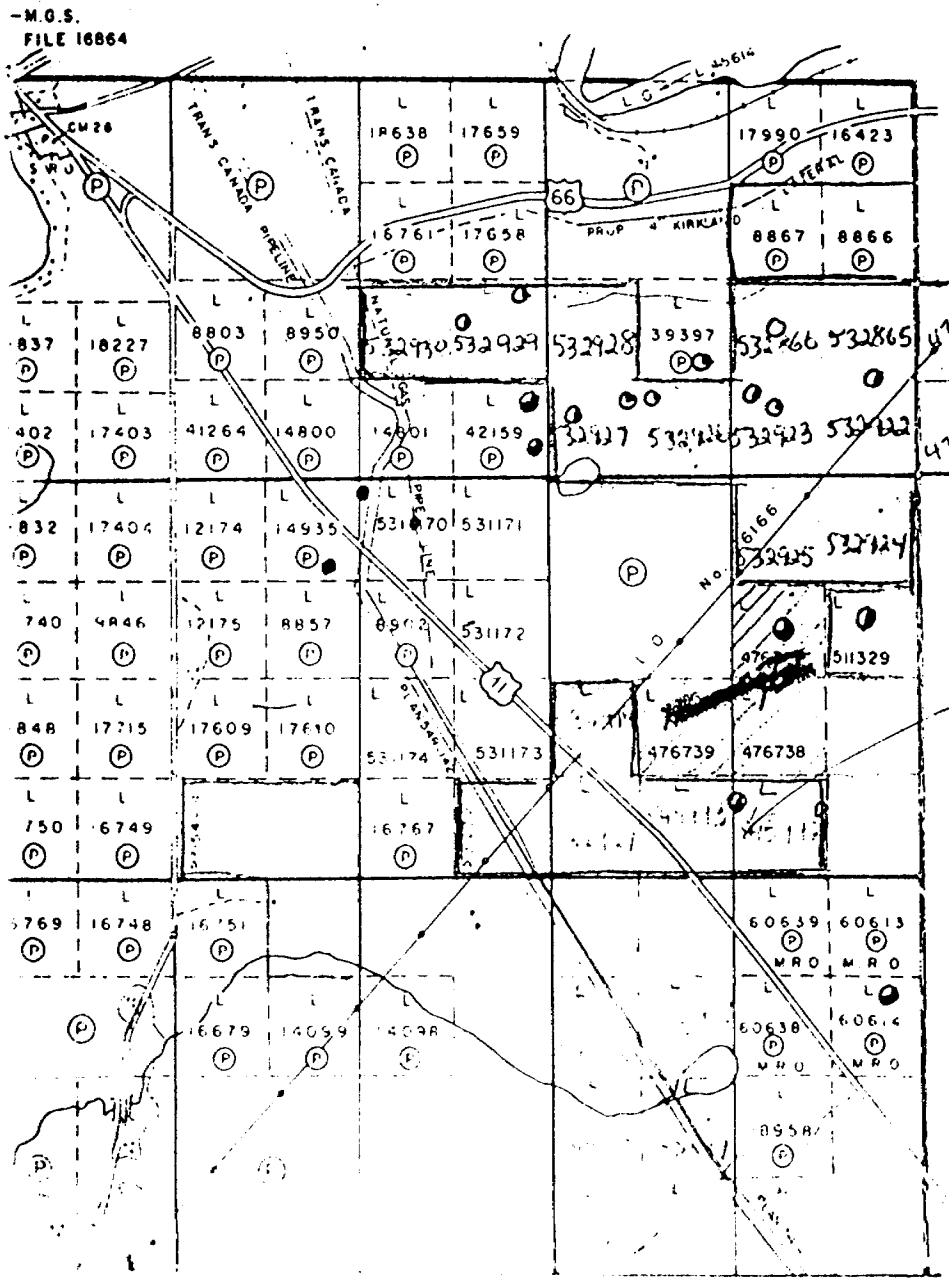
The instrument is designed primarily for reconnaissance. The total count position provides for maximum sensitivity. Additional thresholds however, provide the capability to differentiate between gamma radiations emanating from daughter elements of uranium and thorium and provide quantitative information relating to each.

The meter is calibrated to display zero to 100 counts per minute. A four position scale multiplier switch provides four full scale ranges of 100, 1,000, 10,000 and 100,000 counts per minute. A fifth position on this switch is employed to test the condition of the batteries.

The variable time constants are tied in with the threshold selector switch. In the total count (maximum sensitivity) position, a fast or slow time constant may be selected. In the upper thresholds (lower net count), the long time constant only, is in effect.

The detecting element is a 1½ by 1½ inch sodium iodide crystal coupled to a photomultiplier tube. These are hermet-

vp. M. 351



THE TOWNSHIP OF

EBY

DISTRICT OF TIMISKAMING

LARDER LAKE MINING DIVISION

SCALE: 1-INCH=40 CHAINS

LEGEND

PATENTED LAND	Ⓟ
CROWN LAND SALE	C.S.
LEASES	Ⓛ
LOCATED LAND	Loc.
LICENSE OF OCCUPATION	L.O.
MINING RIGHTS ONLY	M.R.O.
SURFACE RIGHTS ONLY	S.R.O.
ROADS	
IMPROVED ROADS	
KING'S HIGHWAYS	
RAILWAYS	
POWER LINES	
MARSH OR MUSKEG	
MINES	

Ontario Geochemical and Expenditures) #273

Land Admin (file 2532919)

The Minin

42A01SE0200 2.5067 EBY

900

Type of Survey(s): Spectrometer

Claim H(s): James David Reed

Prospector's Licence No.: K18971

Survey Company: Reed Enterprise

Survey Dates (linecutting to office): 29 Day | 07 Mo. | 82 Yr. | 83 Day | 01 Mo. | 82 Yr.

Total Miles of line Cut: 6.2

Name and Address of Author (of Geo-Technical report): James D Reed RR2 Sturgeon Ont 2.5067

Special Provisions Credits Requested

Instructions		Days per Claim
For first survey: Enter 40 days. (This includes line cutting)	Geophysical	
	- Electromagnetic	
	- Magnetometer	
For each additional survey: using the same grid: Enter 20 days (for each)	- Radiometric	20
	- Other	
	Geological	
	Geochemical	

Man Days

Instructions		Days per Claim
Complete reverse side and enter total(s) here	Geophysical	
	- Electromagnetic	
	- Magnetometer	
	- Radiometric	
	- Other	
	Geological	
	Geochemical	

Airborne Credits

Note: Special provisions credits do not apply to Airborne Surveys.		Days per Claim
	Electromagnetic	
	Magnetometer	
	Radiometric	

Expenditures (excludes power stripping)

Type of Work Performed

Performed on Claim(s)

Calculation of Expenditure Days Credits

Total Expenditures $ ÷ 15 = Total Days Credits

Instructions: Total Days Credits may be apportioned at the claim holder's choice. Enter number of days credits per claim selected in columns at right.

Mining Claims Traversed (List in numerical sequence)

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.
L	532917	✓
	532920	✓
	532921	✓
	545992	✓
	545993	✓

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.

RECEIVED
SEP 14 1982
MINING LANDS SECTION

LARDER LAKE MINING DIV. RECEIVED AUG 27 1982 AM 7 8 9 10 11 12 PM 1 2 3 4 5 6

Total number of mining claims covered by this report of work: 5

For Office Use Only

Total Days Cr. Recorded: 100

Date Recorded: AUG 27 1982

Mining Recorder:

Date Approved as Recorded: July 28/83

Regional/Branch Director:

Report Completed

Date of Report: Aug 25/82

Recorded Holder or Agent (Signature): J D Reed

Certification Verifying Report of Work

I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Postal Address of Person Certifying: J D Reed. RR2 Sturgeon Ont

Date Certified: Aug 25 82

Certified by (Signature): J D Reed

1362 (81/2)

Ministry of Natural Resources
Ontario

Geotechnical Report Approval

16

File 2.5067

Mining Lands Comments

re Vol. 1 and Vol. 2

N. Viney

☒ To: Geophysics Mr. Barlow.

Comments

Since Mr. Reed has 20 years experience in the field relating to geophysical surveys, I feel that we should approve the attached maps and report.

☑ Approved ☐ Wish to see again with corrections	Date July 26/83	Signature Douglas K. Pitcher

☐ To: Geology - Expenditures

Comments

☐ Approved ☐ Wish to see again with corrections	Date	Signature

☐ To: Geochemistry

Comments

☐ Approved ☐ Wish to see again with corrections	Date	Signature

☐ To: Mining Lands Section, Room 6462, Whitney Block. (Tel: 5-1380)

1593 (81/10)

Reed's Cottages
R.R. No. 2 - Swastika, Ontario P0K 1T0
PHONE: (705) 642-3497

RECEIVED
Land Management Branch
CIRCULATE
COMMENTS PLEASE
BY
JUL 19 1983
E. F. ANDERSON
J. R. MCINTOSH
G. SHERMAN
RETURN TO R.6450

RECEIVED
JUL 19 1983
MINING LANDS SECTION

Your file 2.5067
2.5068

Dear Sirs,

This is a list of my qualifications, and related information, requested in relation to a report I submitted last fall.

Prospecting has been my part time occupation for most of the years since I held my first licence 39 years ago. I was then developing a group of gold claims in Mc Vittie Twp, and held them during the late 40s and early 50s.

I have followed the business with a keen interest ever since, and during this time have built up quite a good library of mining reports of the area, and related material. I have been fortunate in being host to many of the geophysical parties mapping the area over the past 20 years, as their knowledge has been of value.

I now hold a group of 20 claims, on partnership, which we are developing as a gold prospect.

Over the years I have had the following job related experience:

- Omega Gold Mines Larder Lake between 1943-45 underground miner and assay office employee.

Kerr Addison Gold Mines Vergmatown Ont 1954-56.
- gold mill experience and maintainance

Reed's Cottages

R.R. No. 2 - Swastika, Ontario P0K 1T0
PHONE: (705) 642-3497

A Lonergan, Ontario Land Surveyor, South Porcupine, 1947-8.
- experience in most aspects of surveying in the bush including preparing field notes.

Many years of bush experience with logging companies.

In 1973, I received a B.A. degree in geography from Laurentian University.

Sincerely
James D Reed.

Re: James D. Reed.

I have known Mr. Reed since 1968 (15 years).

One of my job functions as Resource Geologist for MNR in Kirkland Lake is aiding prospectors in their work. The Kirkland Lake Resident Geologist office has a McPhar TV1-A Scintillometer which prospectors can borrow. I showed Mr. Reed how to use the instrument as well as interpreting the results.

I feel Mr. Reed would be qualified to write an assessment report on a radiometric survey using a McPhar TV1-A.

Gary Grabowski

Reed's Cottages

R.R. No. 2 - Swastika, Ontario P0K 1T0
PHONE: (705) 642-3497

July 7 1983.

Dear sir,

Please find inclosed the maps you returned .They have been signed and dated as requested.

I will forward the resume of qualifications in a few days,as it is difficult to contact the nessessary people as so many are away at the long week end.

Sincerely,
J D Reed

J D Reed

RECEIVED
JUL 7 1983
MINING LANDS SECTION

June 21, 1983 2.5067 & 2.5068

James D. Reed
R.R. #2
Swastika, Ontario

Dear Sir:

RE: Radiometric Survey submitted on Mining Claims L 532919 et al, and a Radiometric Survey submitted on Mining Claims L475258 et al, in the Township of Eby

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Enclosed are the plans, in duplicate, for the above-mentioned surveys. Please have Mr. Reed date and sign each plan and return them to this office.

In addition, we are endeavouring to compile a list of qualifications of those persons who sign reports of geological, geochemical and gepphysical surveys submitted to this Ministry of assessment work credits. It would be appreciated therefore, if you would please furnish a brief resume of your qualifications for our records.

For further information, please contact Mr. F.W. Matthews at (416) 965-1380.

Yours very truly,

E.F. Anderson
Director
Land Managment Branch

Whitney Block, Room 6450
Queen's Park
Toronto, Ontario
M7A 1W3
Phone: (416) 965-1380

D. Kinvig:mc

Encl.

cc: Mining Recorder
Kirkland Lake, Ontario

Ministry of Natural Resources
Ontario

Geotechnical Report Approval

File 2.5067

Jan 11/83

Mining Lands Comments

- no grade/precision
- maps not signed

☑ To: Geophysics Mr Barlow

Comments

☑ Approved ☐ Wish to see again with corrections | Date May 11/83 | Signature

☐ To: Geology - Expenditures

Comments

☐ Approved ☐ Wish to see again with corrections | Date | Signature

☐ To: Geochemistry

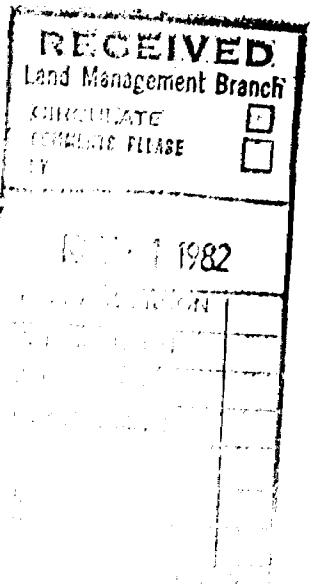
Comments

L.D.

☐ Approved ☐ Wish to see again with corrections | Date | Signature

☐ To: Mining Lands Section, Room 6462, Whitney Block. (Tel: 5-1380)

1593 (81/10)



your file 2.5067.

Oct 25 1982.
RR 2, Site 3,
Swastika, Ont,
P0K 1T0.

Dear Sir,

Please find inclosed the copy of the map we neglected to inclose with the report. I am sorry for the inconvenience.

Sincerely
J D Reed.

1982 10 22 2.5067

Mr. James Reed
R.R. #2
Swastika, Ontario

Dear Sir:

We have received reports and maps for a Geophysical Radiometric Survey submitted under Special Provisions (credit for Performance and Coverage) on Mining Claims L 532919 et al in the Township of Eby.

However, your report is missing a duplicate copy of the Radiometric Group A map (sample enclosed). Please submit another copy.

Upon receipt of the above material a statement of assessment work credits will be issued.

Yours very truly

E.F. Anderson
Director
Land Management Branch

Whitney Block, Room 6450
Queen's Park
Toronto, Ontario
M7A 1W3
Phone: 416/965-1380

W
DW:sc

cc: Mining Recorder
Kirkland Lake, Ontario

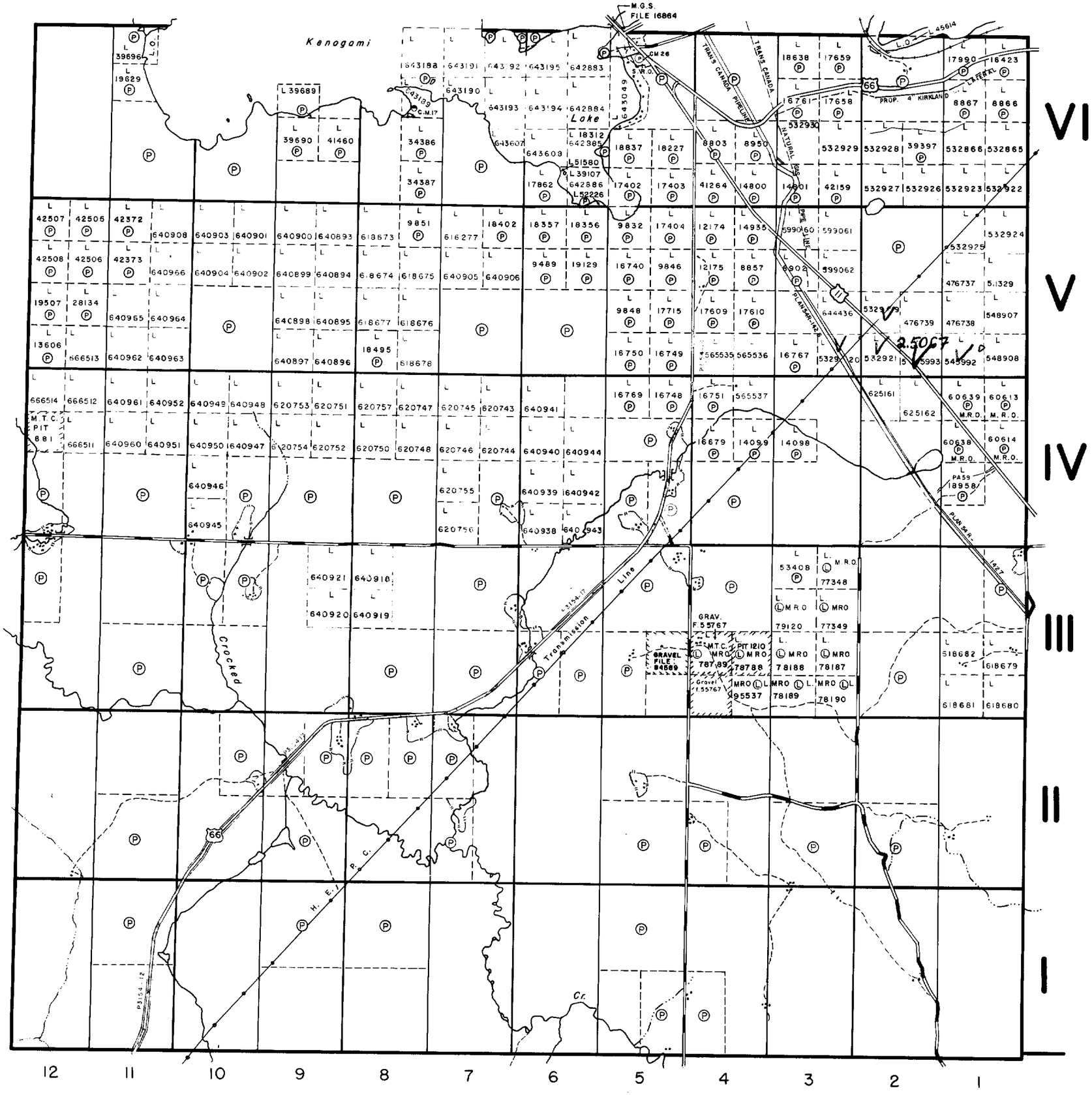
Encls:

Grenfell Twp. M.351

Burt Twp. M.334

Otto Twp. M.379

Blain Twp. M.418



THE TOWNSHIP OF EBY

DISTRICT OF TIMISKAMING

LARDER LAKE MINING DIVISION

SCALE: 1-INCH=40 CHAINS

LEGEND

PATENTED LAND	(P)
CROWN LAND SALE	C.S.
LEASES	(L)
LOCATED LAND	Loc.
LICENSE OF OCCUPATION	L.O.
MINING RIGHTS ONLY	M.R.O.
SURFACE RIGHTS ONLY	S.R.O.
ROADS	
IMPROVED ROADS	
KING'S HIGHWAYS	
RAILWAYS	
POWER LINES	
MARSH OR MUSKEG	
MINES	
CANCELLED	C.

NOTES

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

AREAS WITHDRAWN FROM STAKING
under Sec. 43 of The Mining Act (R.S.O.1970).

Order No.	File	Date	Disposition

DATE OF ISSUE
JUN 14 1983
Ministry of Natural Resources
TORONTO

PLAN NO.- M-345

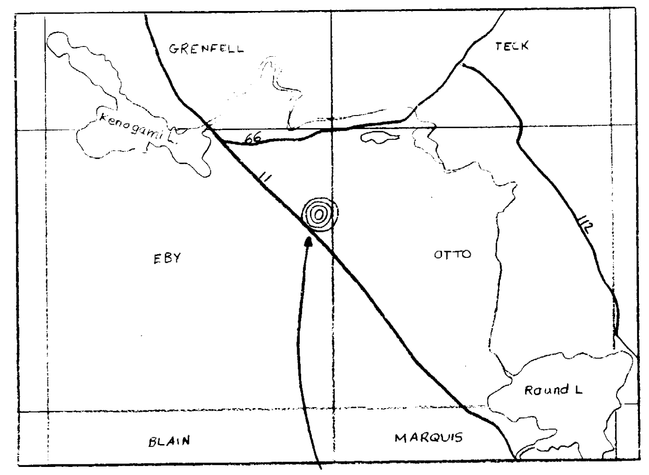
ONTARIO
MINISTRY OF NATURAL RESOURCES
SURVEYS AND MAPPING BRANCH

42A01SE0200 2.5067 EBY

200

K. Kalamov

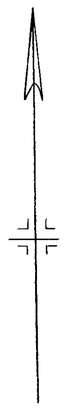
32W 28W 24W 20W 16W 12W 8W 4W 0.00 4E 8E 12E 16E



GEOLOGY
REED CLAIMS Group A
Eby Twp.

LEGEND
Scale : 1 inch 200 ft
——— : Outcropings
o—o—o : Hydro line
•—•—• : Gas pipeline

Survey by : REED ENTERPRISES
Aug 31, 1982
D Reed



2.5067

532919
532920
532921
545993
545992
HWY. 11

42A13E0200 2.5067 EBY

210

RADIO METRIC
REED CLAIMS Group A
Eby Twp

LEGEND
Scale : 1inch 200ft

Instrument: McPhar TV 1A
-.-.-.