42A01SE0189 2.8458 EBY

010

GEOLOGICAL SURVEY REPORT
ON THE
PERRON PROPERTY
EBY 66 GROUP

EBY TOWNSHIP
LARDER LAKE MINING DIVISION
DISTRICT OF TIMISKAMING, ONTARIO

FOR

ALEXANDER H. PERRON

AUGUST 11, 1985

MARY GREER
GEOLOGICAL TECHNICIAN

RECEIVED
SEP 23 1985
MINING LANDS SECTION

42A01SE0189 2.8458 EBY

010C

TABLE OF CONTENTS

INTRODUCTION. 1

PROPERTY DESCRIPTION. 1, 2

LOCATION AND ACCESS 2

PREVIOUS WORK 2

SURVEY PROCEDURE. 2

TOPOGRAPHY. 2, 3

GENERAL GEOLOGY 3

ECONOMIC GEOLOGY. 3

PRESENTATION OF FIELD OBSERVATIONS. 3, 4

CONCLUSIONS AND RECOMMENDATIONS 4

BIBLIOGRAPHY. 5

CERTIFICATE 6

ILLUSTRATIONS

CLAIM LOCATION MAP - (Figure 1a). . . . . 2a)

LOCATION MAP - (Figure 1b). . . . . 2b)

ACCOMPANYING PLAN MAP. . . . . IN BACK POCKET

Scale: 1 inch to 200 feet

Date: August, 1985

Eby 66

Geological Survey

Map No. 85-66-1

GEOLOGICAL SURVEY REPORT

ON THE

PERRON PROPERTY

EBY 66 GROUP

EBY TOWNSHIP

LARDER LAKE MINING DIVISION

DISTRICT OF TIMISKAMING, ONTARIO

INTRODUCTION

The Eby 66 Group were recorded by Mary Greer on April 2, 1985.

During the period of July 20 to July 29, 1985, a geological survey was completed describing topography and any visible outcrops.

All field work drafting and interpretation was completed by Mary Greer.

The purpose of this report is to briefly describe the results attained in said survey.

The outcrops detected are shown on the accompanying plan map, at a scale of one inch to 200 feet, that form an integral part of this report.

PROPERTY DESCRIPTION

The Eby 66 Group consists of three (3) contiguous unpatented mining claims located in Eby township, SW 1/4 SE 1/4, Lot 4, Concession V, and NW 1/4 Lot 4, Concession IV, Larder Lake Mining Division, District of Timiskaming,

Ontario, and are further described as follows:

Claim No.	Township	No. of Claims
L-802618 to L-802621	Eby	4

Ownership of the aforementioned claims have been attested to by Alexander H. Perron of 103 Government Road East, Kirkland Lake, Ontario, and was not independently ascertained by the writer. (See Figure 1a).

LOCATION AND ACCESS

The Eby 66 Group is located in the central part of Eby township, on Highway No. 66. The property is found in Concession V and IV central part of Lot 4.

The property is eleven (11) miles west from the town of Kirkland Lake, Ontario, on Highway No. 66, then two (2) miles west on the Eby Concession III line. (See Figure 1a and 1b).

PREVIOUS WORK

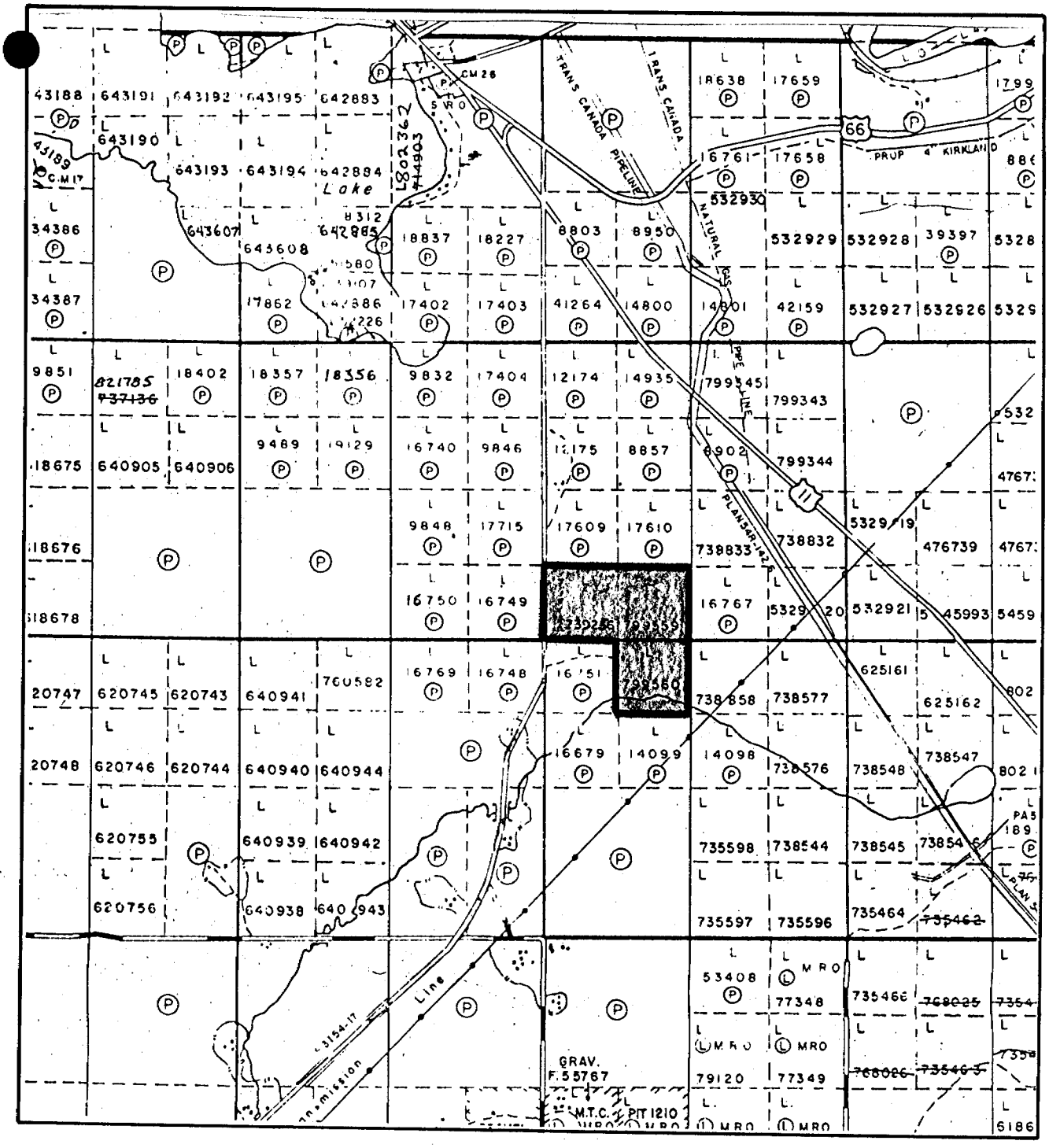
Old trenchings can be found on the claims, no other work is available and no work recorded with the Regional Geologist file.

SURVEY PROCEDURE

The geological survey was carried out by using compass and pace traverse lines. Any topographical features or outcrop was then noted along the traverse lines.

TOPOGRAPHY

The claim group is covered by poplar and birch bush to the west, and

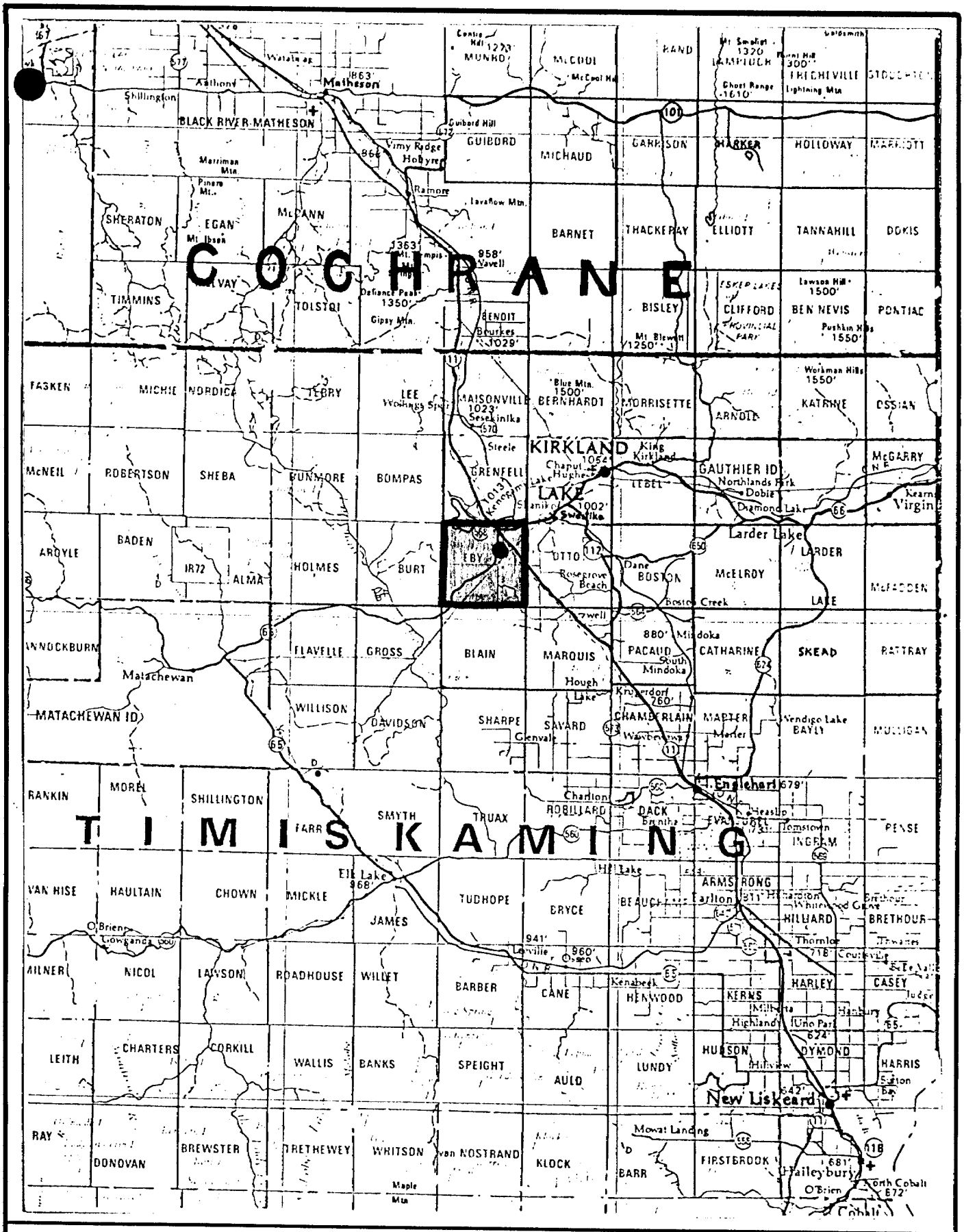


Claim Location Map

Scale: 1 inch to 1/2 mile

(Taken from a Mar. 1985 claim map)

Figure 1a



Location Map

Figure 1b

areas of spruce, balsam fir and alder to the east. The areas of outcrop found in the centre of the group is dry and rugged, and covered with moss, spruce and poplar mixed bush. A creek and swampy area occurs on the southern claim L-799560.

GENERAL GEOLOGY

The O.D.M. Geological Report No. 99, Geology of the Eby and Otto Area, District of Timiskaming, indicates that the underlying bedrock is predominantly mafic metavolcanics. The meta sediments of the Kirkland Lake-Larder Lake break occur to the north of the property, below Kenogami Lake.

ECONOMIC GEOLOGY

Gold is known to occur in carbonate rocks and these rocks are not confined to the area of the Kirkland-Larder Lake break area. These carbonate zones can be found by detailed geological mapping and magnetic surveys for formations under the overburden. The zones will form low areas between the magnetic highs that show up other formations such as iron formations.

PRESENTATION OF FIELD OBSERVATIONS

The field data is presented on a map at a horizontal scale of one inch to 200 feet, Map No. 85-66-1, found in the back pocket of this report.

For the purpose of this presentation, the topography will be described in greater detail.

i) Topography:

Claim L-739256 is primarily poplar with some spruce and alder, claim L-799559 is a low area of alder and scrub spruce and balsam fir.

This wet area acts as a drainage into the creek to the south on claim L-799560. This creek flows west through a grassy marsh with spruce along each side. The area of outcrop occurs in spruce and balsam fir. Most of the outcrop is covered by a shallow covering of topsoil and moss.

ii) Geology:

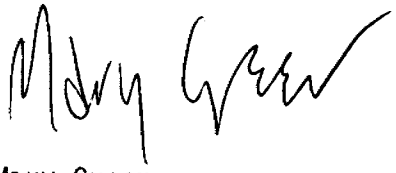
The exposed outcrop found on the Eby 66 Group consists of magnesium tholeiite which can be described as a fine grained greyish green massiv rock. Some minor areas of course grained textures with the same description was also found.

CONCLUSIONS AND RECOMMENDATIONS

The rocks are a magnesium tholeiite which represent large lava flows of the Keewatin age. The course grained textures are the interior part of the lava flows.

It is recommended that a geophysical survey be carried out to further describe the underlying bedrock.

Respectfully submitted,



August 11, 1985

Mary Greer
Geological Technician

BIBLIOGRAPHY

Ontario Department of Mines and Northern Affairs

Geological Report 99

Geology of the Eby and Otto Area
District of Timiskaming

by H. L. Lovell 1972

C E R T I F I C A T E

I, Mary Greer, of Kirkland Lake, Ontario, do hereby certify:

1) That I am a Geophysical Technician and reside at: 49 McKelvie Avenue, Kirkland Lake, Ontario, P2N 2K6

2) That I graduated from Sir Sandford Fleming College at Lindsay, Ontario, in 1978, with a diploma as a Geological Technician.

3) That I was employed as a Geophysical Technician by H.E. Neal and Associates Limited for 18 months.

4) That I have been practising my profession for a period of five (5) years and I am qualified to write this report.

5) That I supervised and participated in this survey.

August 11/85
Date

Mary Greer
Mary Greer
Geophysical Technician

42A01SE0189 2.8458 EBY

900

Mining Lands Section

File No 2.8458

Control Sheet

TYPE OF SURVEY

____ GEOPHYSICAL

__✓__ GEOLOGICAL

____ GEOCHEMICAL

____ EXPENDITURE

MINING LANDS COMMENTS:

R. Hurst

Signature of Assessor

Oct 2/85

Date

I.D.

Ministry of Natural Resources
Ontario

Report of Work
(Geophysical, Geological, Geochemical and Expenditures)

The Mining Act

2.8458

Sept 1985 #263

(Claim L739256)

Instructions: – Please type or print.
– If number of mining claims traversed exceeds space on this form, attach a list.
Note: – Only days credits calculated in the "Expenditures" section may be entered in the "Expend. Days Cr." columns.
– Do not use shaded areas below.

Type of Survey(s)	Township or Area
GEOLOGICAL	EBY

Claim Holder(s)	Prospector's Licence No.
MARY GREER	K-19410

Address: 49 MCKELVIE AVENUE, KIRKLAND LAKE, ONTARIO P2N 2K6

Survey Company	Date of Survey (from & to)	Total Miles of line Cut
	20 07 85 (Day Mo. Yr.) 29 07 85 (Day Mo. Yr.)	-

Name and Address of Author (of Geo-Technical report): MARY GREER, 49 MCKELVIE AVENUE, KIRKLAND LAKE, ONT. P2N 2K6

Credits Requested per Each Claim in Columns at right

Special Provisions		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	
	- Other	
	Geological	20
	Geochemical	

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

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

LARDER LAKE MINING DIV. RECEIVED JUL 31 1985 AM 7 8 9 10 11 12 1 2 3 4 5 6 PM

Mining Claims Traversed (List in numerical sequence)

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.
L	739256	
	799559	
	799560	

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.

RECEIVED
AUG - 7 1985
MINING LANDS SECTION

Total number of mining claims covered by this report of work: 3

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.

For Office Use Only

Total Days Cr. Recorded	Date Recorded	Mining Recorder
60	JUL 31 1985	
	Date Approved as Recorded	Branch Director
	85.10.4	

Date	Recorded Holder or Agent (Signature)
July 29/85	Mary Greer

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: MARY GREER, 49 MCKELVIE AVENUE, KIRKLAND LAKE, ONTARIO P2N 2K6

Date Certified	Certified by (Signature)
July 29/85	Mary Greer

REGISTERED

September 19, 1985 Report Of Work#263

Mary Greer
49 McKelvie Avenue
Kirkland Lake, Ontario
P2N 2K6

Dear Madam:

RE: Mining Claims L 739256, et al,
in Eby Township

I have not received the reports and maps (in duplicate) for the Geological Survey on the above-mentioned claims.

As the assessment "Report of Work" was recorded by the Mining Recorder on July 31, 1985 the 60 day period allowed by Section 77 of the Mining Act for the submission of the technical reports and maps to this office will expire on September 29, 1985.

If the material is not submitted to this office by September 29, 1985, I will have no alternative but to instruct the Mining Recorder to delete the work credits from the claim record sheets.

For further information, please contact Mr. Arthur Barr at (416)965-4888.

Yours sincerely,

S.E. Yundt
Director
Land Management Branch

Whitney Block, Room 6643
Queen's Park
Toronto, Ontario
M7A 1W3
Phone:(416)965-4888

AB/mc

cc: Mining Recorder
Kirkland Lake, Ontario

Ontario

Ministry of Natural Resources

File _____

GEOPHYSICAL – GEOLOGICAL – GEOCHEMICAL TECHNICAL DATA STATEMENT

TO BE ATTACHED AS AN APPENDIX TO TECHNICAL REPORT
FACTS SHOWN HERE NEED NOT BE REPEATED IN REPORT
TECHNICAL REPORT MUST CONTAIN INTERPRETATION, CONCLUSIONS ETC.

Type of Survey(s) GEOLOGICAL SURVEY
Township or Area EBY
Claim Holder(s) ALEXANDER H. PERRON, 103 GOVT RD.E.
KIRKLAND LAKE, ONT. P2N IA9
Survey Company PERRONS
Author of Report MARY GREER, 49 MCKELVIE AVENUE
Address of Author KIRKLAND LAKE, ONT. P2N IA9
Covering Dates of Survey JULY 20 TO JULY 29, 1985
(linecutting to office)
Total Miles of Line Cut ------

SPECIAL PROVISIONS CREDITS REQUESTED

ENTER 40 days (includes line cutting) for first survey.

ENTER 20 days for each additional survey using same grid.

DAYS per claim.

Geophysical
–Electromagnetic _____
–Magnetometer _____
–Radiometric _____
–Other _____
Geological 20
Geochemical _____

AIRBORNE CREDITS (Special provision credits do not apply to airborne surveys)

Magnetometer _____ Electromagnetic _____ Radiometric _____
(enter days per claim)

DATE: August 11/85 SIGNATURE: Mary Greer
Author of Report or Agent

Res. Geol. _____ Qualifications 24529

Previous Surveys

File No.	Type	Date	Claim Holder

MINING CLAIMS TRAVERSED
List numerically

(prefix)	(number)
L-	739256
L-	799559
L-	799560

If space insufficient, attach list

TOTAL CLAIMS 3

OFFICE USE ONLY

837 (5/79)

GEOPHYSICAL TECHNICAL DATA

GROUND SURVEYS – If more than one survey, specify data for each type of survey

Number of Stations _____ Number of Readings _____

Station interval _____ Line spacing _____

Profile scale _____

Contour interval _____

MAGNETIC

Instrument _____

Accuracy – Scale constant _____

Diurnal correction method _____

Base Station check-in interval (hours) _____

Base Station location and value _____

_____

ELECTROMAGNETIC

Instrument _____

Coil configuration _____

Coil separation _____

Accuracy _____

Method: ☐ Fixed transmitter ☐ Shoot back ☐ In line ☐ Parallel line

Frequency _____
(specify V.L.F. station)

Parameters measured _____

GRAVITY

Instrument _____

Scale constant _____

Corrections made _____

_____

Base station value and location _____

_____

Elevation accuracy _____

INDUCED POLARIZATION RESISTIVITY

Instrument _____

Method ☐ Time Domain ☐ Frequency Domain

Parameters – On time _____ Frequency _____

– Off time _____ Range _____

– Delay time _____

– Integration time _____

Power _____

Electrode array _____

Electrode spacing _____

Type of electrode _____

SELF POTENTIAL

Instrument _____ Range _____

Survey Method _____

_____

Corrections made _____

_____

RADIOMETRIC

Instrument _____

Values measured _____

Energy windows (levels) _____

Height of instrument _____ Background Count _____

Size of detector _____

Overburden _____

(type, depth – include outcrop map)

OTHERS (SEISMIC, DRILL WELL LOGGING ETC.)

Type of survey _____

Instrument _____

Accuracy _____

Parameters measured _____

_____

Additional information (for understanding results) _____

_____

_____

AIRBORNE SURVEYS

Type of survey(s) _____

Instrument(s) _____

(specify for each type of survey)

Accuracy _____

(specify for each type of survey)

Aircraft used _____

Sensor altitude _____

Navigation and flight path recovery method _____

_____

Aircraft altitude _____ Line Spacing _____

Miles flown over total area _____ Over claims only _____

GEOCHEMICAL SURVEY – PROCEDURE RECORD

Numbers of claims from which samples taken_____

_____

_____

Total Number of Samples_____

Type of Sample_____
(Nature of Material)

Average Sample Weight_____

Method of Collection_____

_____

Soil Horizon Sampled_____

Horizon Development_____

Sample Depth_____

Terrain_____

_____

Drainage Development_____

Estimated Range of Overburden Thickness_____

_____

_____

SAMPLE PREPARATION
(Includes drying, screening, crushing, ashing)

Mesh size of fraction used for analysis_____

_____

_____

_____

General_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

ANALYTICAL METHODS

Values expressed in: per cent ☐
p. p. m. ☐
p. p. b. ☐

Cu, Pb, Zn, Ni, Co, Ag, Mo, As,-(circle)

Others_____

Field Analysis (_____tests)

Extraction Method_____

Analytical Method_____

Reagents Used_____

Field Laboratory Analysis

No. (_____tests)

Extraction Method_____

Analytical Method_____

Reagents Used_____

Commercial Laboratory (_____tests)

Name of Laboratory_____

Extraction Method_____

Analytical Method_____

Reagents Used_____

General_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

PERRONS

103 GOVERNMENT ROAD EAST - KIRKLAND LAKE, ONTARIO - P2N 1A9 - (705) 567-7057

August 16, 1985

REGISTERED MAIL

Mr. Fred Matthews,
Lands Administration Branch,
Mining Lands Section,
Ministry of Natural Resources,
Room 6450, Whitney Block,
Queen's Park,
Toronto, Ontario
M7A IW3

RECEIVED
SEP 23 1985
MINING LANDS SECTION

Dear Sir:

RE: Technical Report for
Eby Township
Larder Lake Mining Division

Enclosed herewith please find a duplicate copy of the following:

- Report dated August 11, 1985, by Mary Greer entitled:

  Geological Survey Report
  on the Perron Property
  Eby 66 Group
  Eby Township
  Larder Lake Mining Division
  District of Timiskaming, Ontario

I trust this is the information required to correspond with the Report of Work filed concerning the above noted township.

Yours truly,

PERRONS

Mary Greer,
Geological Technician

MG/p
Encls.2

Mag. N10°W

N

CON. V

CON. IV

Highway No. 66

L 739256

L 799559

L 799560

Lot 4

SYMBOLS & LEGEND

- Outcrop
- Trench
- Pillow lava
- Poplar, birch
- Spruce
- Swamp
- Adler
- Claim line
- Claim post
- Highway
- Traverse line

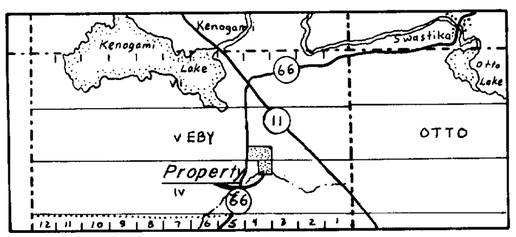
Precambrian

KEEWATIN

Tholeiite basalt

KEY MAP

(Scale: 1 inch to 2 miles)



Mary Greer

EBY 66 28458

GEOLOGICAL SURVEY

EBY TOWNSHIP
LARDER LAKE MINING DIVISION
DISTRICT OF TIMISKAMING, ONTARIO

200 0 200 400 600

Scale: 1 inch to 200 feet

PERRONS'

KIRKLAND LAKE CANADA

Drawn by: Mary Greer | Map No.: 85-66-1 | Date: August 1985

200

42A01SE0189 2.8456 EBY