42A01SW0014 2.8383 EBY

GEOLOGICAL SURVEY REPORT

ON THE

PERRON PROPERTY

DEADMAN MINE GROUP

EBY TOWNSHIP

LARDER LAKE MINING DIVISION

DISTRICT OF TIMISKAMING, ONTARIO

FOR

ALEXANDER H. PERRON

AUGUST 22, 1985

MARY GREER

GEOLOGICAL TECHNICIAN

42A01SW0014 2.8383 EBY

010C

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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

Deadman Mine Group

Geological Survey

Map No. 85-DM-1

GEOLOGICAL SURVEY REPORT

ON THE

PERRON PROPERTY

DEADMAN MINE GROUP

EBY TOWNSHIP

LARDER LAKE MINING DIVISION

DISTRICT OF TIMISKAMING, ONTARIO

INTRODUCTION

The Deadman Mine Group was recorded by Wm. Scott on August 10, 1984.

During the period of August 2 to August 4, 1985, a geological survey was completed describing topography and any visible outcrops.

The survey was conducted by and under the active supervision of Mary Greer with Alexander Perron, John Duncan and William Scott of Kenogami assisting.

All drafting and interpretation was completed by Mary Greer.

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

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

PROPERTY DESCRIPTION

The Deadman Mine Group consists of four (4) contiguous unpatented mining claims located in Eby township, SE1/4 S1/2 Lot 12, Concession V and NW1/4,

NE1/4, SE1/4, N1/2, Lot 12, Concession IV, Larder Lake Mining Division, District of Timiskaming, Ontario, and are further described as follows:

Claim Number	Township	No. of Claims
L-802694 to L-802697 (inclusive)	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

Deadman Mine claims are located along the Eby-Burt township line in the central part of Eby township, three (3) miles west of Highway No. 66. The property is found in Concession III, northwestern part of Lot 8 and northeastern part of Lot 9.

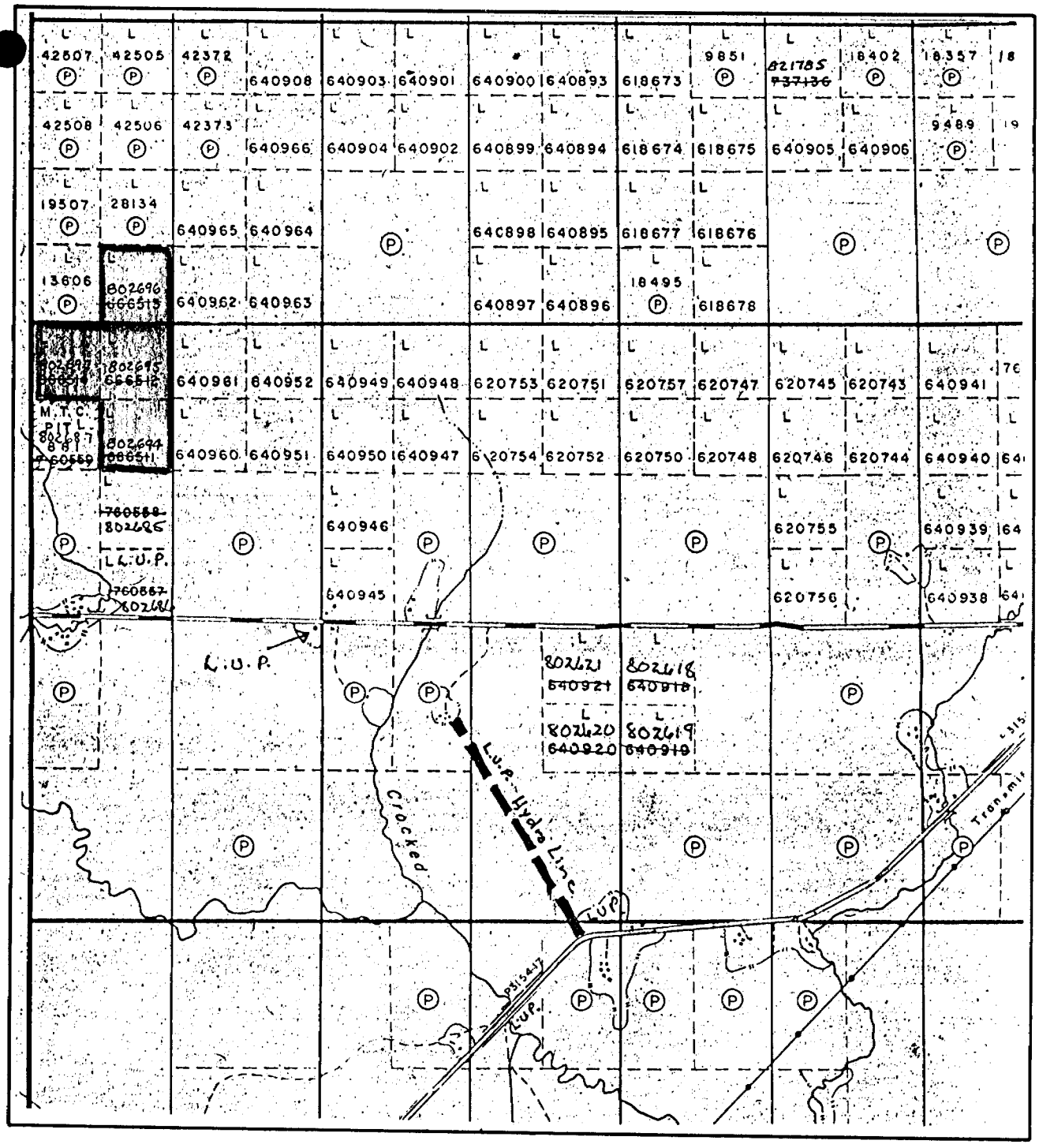
The property is twelve (12) miles west from the town of Kirkland Lake, Ontario, on Highway No. 66, then three (3) miles west on the Eby Concession III line road. The property is accessed one half mile north on foot. (See Figure 1a and 1b).

PREVIOUS WORK

In 1946 to 1947 surface work was performed by Red Shirt Larder Gold Mines Ltd. A 40 foot shaft was sunk and some diamond drilling was carried out. No results are available for these drill holes.

SURVEY PROCEDURE

The geological survey was carried out by using compass and pace tra-

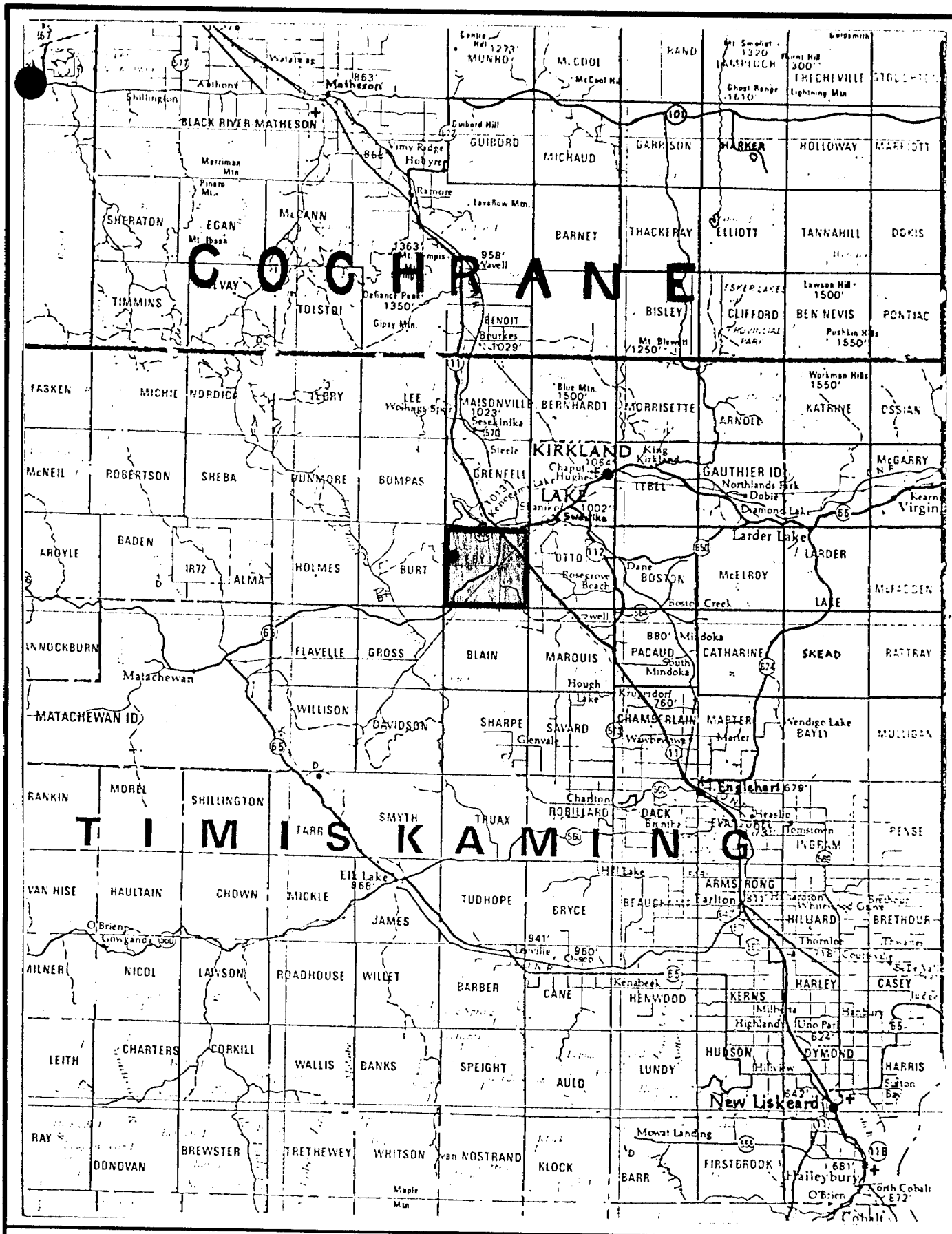


Claim Location Map

Scale: 1 inch to 1/2 mile

(Taken from a Mar. 1985 claim map)

Figure 1a



Location Map

Miles 10 0 10 20

Figure 1b

verse 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 north. The areas of outcrop found in the centre of the group is covered with jack pine and spruce. A creek through the centre claim causes the ground to be wet and swampy, covered with alder and buffalo grass.

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 with small intrusions of syenite and trachyte. The meta-sediments of the Kirkland-Larder Lake break appear to pinch off at the northwest corner of the property.

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-DM-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:

The northern most claim is flat poplar bush mixed with areas of alder crossing the claim. The centre two claims consist of spruce, jack pine and poplar. In the areas of the exposed outcrops, the southern part of the claims is lower and covered in alder. The southern claim is very wet with heavy alder with only one area in the northeast corner covered by dense spruce.

ii) Geology:

The exposed outcrops found on the Deadman Mine Group consists of magnesium tholeiite and small sills and dykes of syenite and trachyte. The rock types are further described as follows:

a) Magnesium rich tholeiites with several quartz veins striking in a northeast southwest direction.

These rock types were found to be a fine grained greenish grey massive type of tholeiitic basalt. They were difficult to break, and weathered a chalk grey.

Coarse grained textures were also found in the same rock type, they are probably the interior part of the lava flows.

b) Syenite and Trachyte: The syenite rocks have euhedral

crystals of pink coarse grained feldspar in tabular grains. There are assorted amounts of pyroxene and hornblende. The rock weathers a light pink-white. It was difficult to determine trachyte from the syenite.

The quartz veins had little mineralization and were striking S 50° W.

The muckpile from the shaft was also examined. The rocks found were Timiskaming conglomerates and Archean conglomerate. The Timiskaming conglomerates are sediments from the Kirkland Lake-Larder Lake break.

CONCLUSIONS AND RECOMMENDATIONS

The syenite may be a favourable location for further geological work, such as stripping and trenching.

From studying the muckpile rock it is assumed that the underlying bedrock is not similar to the exposed outcrop found on surface. Therefore it is recommended that a geophysical survey (magnetic) be conducted over the claims. This survey would delineate any underlying bedrock that may have a different magnetic susceptability, and therefore present some areas for further studies.

Respectfully submitted,

Mary Greer

August 22, 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 22 '05
Date

Mary Greer
Mary Greer
Geophysical Technician



900

Mining Lands Section

File No 2.8383

Control Sheet

TYPE OF SURVEY

____ GEOPHYSICAL

✓ GEOLOGICAL

____ GEOCHEMICAL

____ EXPENDITURE

MINING LANDS COMMENTS:

<EBY>

Signature of Assessor

Date

Ministry of Natural Resources
Ontario

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

Mining Act

2.8383

Sept. 25/85

(Prelim 802694)

#269

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.
ALEX H. PERRON	K-19026

Address: 103 GOVERNMENT ROAD EAST, KIRKLAND LAKE, ONTARIO P2N IA9

Survey Company	Date of Survey (from & to) Day Mo. Yr. Day Mo. Yr.	Total Miles of line Cut
PERRONS	02 08 85 04 08 85	-

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

Credits Requested per Each Claim in Columns at right

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

Mining Claims Traversed (List in numerical sequence)

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.
L	802694	
	802695	
	802696	
	802697	

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.

RECEIVED
AUG 20 1985
MINING LANDS SECTION

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

Total number of mining claims covered by this report of work: 4

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: 80	Date Recorded: AUG - 6 1985	Mining Recorder
	Date Approved as Recorded: 85.8.30	Provincial Mining Engineer

Date	Recorded Holder or Agent (Signature)
August 6/85	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)
August 6/85	Mary Greer

1362 (81/9)

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 TOWNSHIP
Claim Holder(s) ALEXANDER H. PERRON, 103 GOVT.RD.E.,
KIRKLAND LAKE, ONTARIO P2N IA9
Survey Company PERRONS
Author of Report MARY GREER, 49 MCKELVIE AVENUE,
Address of Author KIRKLAND LAKE, ONTARIO P2N 2K6
Covering Dates of Survey AUGUST 2 TO AUGUST 4, 1985
(linecutting to office)
Total Miles of Line Cut -----

MINING CLAIMS TRAVERSED
List numerically

(prefix)	(number)
L-	802694
L-	802695
L-	802696
L-	802697

TOTAL CLAIMS 4

If space insufficient, attach list

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: Aug 22 /85 SIGNATURE: Mary Greer
Author of Report or Agent

Res. Geol. _____ Qualifications 24529

Previous Surveys

File No.	Type	Date	Claim Holder

OFFICE USE ONLY

B37 (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 _____

_____

_____

_____

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_____

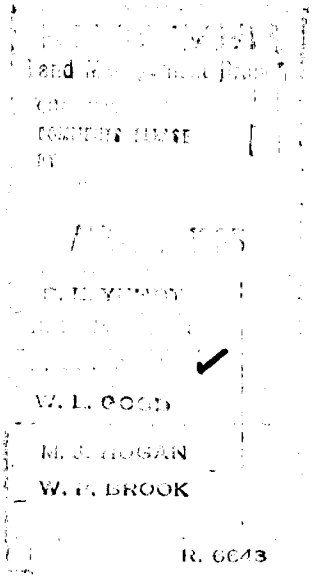
_____

PERRONS

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

August 22, 1985

REGISTERED



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

Dear Sir:

RE: Geological Survey Report for
Eby Township
Larder Lake Mining Division

Enclosed herewith please find a duplicate copy of the following:

- Report dated August 22, 1985 by Mary Greer entitled:

  Geological Survey Report
  on the Perron Property
  Deadman Mine 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

Mary Greer
Geological Technician

MG/p
Encls.

RECEIVED
AUG 27 1985
MINING LANDS SECTION

Mag. N10°W

N

L 802696

CON. V

L 802697

L 802695

L 802694

CON. IV

Lot 12

Burt Township | Eby Township

42A01SW0014 2.8383 EBY

1/200

SYMBOLS & LEGEND

- Outcrop
- Pillow lava
- Poplar, birch Spruce
- Swamp Adler
- — — Claim line ■ Claim post
- ..... Bush road —·—·— Traverse line

Precambrian

ALGOMAN

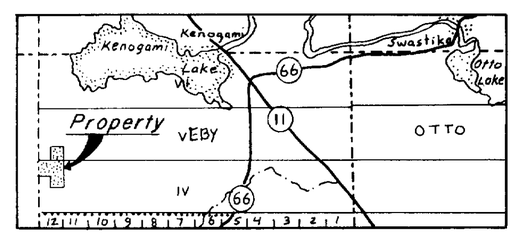
2 [2] Syenite and trachyte

KEEWATIN

1 [ ] Tholeiite basalt

KEY MAP

(Scale: 1 inch to 2 miles)



Mary Greer

DEAD MAN MINE

GEOLOGICAL SURVEY

EBY AND BURT TOWNSHIPS
LARDER LAKE MINING DIVISION
DISTRICT OF TIMISKAMING, ONTARIO

200 0 200 400 600

Scale: 1 inch to 200 feet

PERRONS'
KIRKLAND LAKE 28383 CANADA

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