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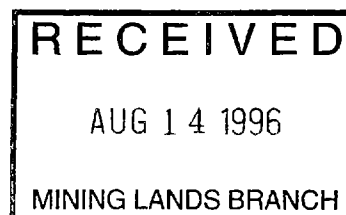
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GEOPHYSICAL SURVEY
BARRY HOLLINGER 4 GROUP

PACAUD TOWNSHIP
LARDER LAKE MINING DIVISION
DISTRICT OF TIMISKAMING, ONTARIO

FOR

ALEXANDER H. PERRON



2.16716

Deal # 2.15688

AUGUST 1996

MISS WENDY K. WELLER
GEOTECH IN TRAINING



32D04SW0094 2 16716 PACAUD

010C

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MAPS

CLAIM LOCATION MAP - Figure 1a).	1 a)
LOCATION MAP - Figure 1b)	1 b)
GROUND VLF-EM SURVEY NAA PROFILED MAP NO. BH/96/1	IN BACK POCKET
GROUND MAGNETOMETER SURVEY MAP NO. BH/96/2	IN BACK POCKET

SUMMARY

i)

This report is a Geophysical Survey, as required by The Ministry of Northern Development and Mines, for assessment work purposes, following the recommendations set forth in the Mining Act Regulations 1991.

The report includes an introduction to the property, general geology, field results and conclusions, based on the field survey.

Technical data is provided in the Assessment Data Form found at the back of this report. Field data is compiled on the accompanying plan maps at the back of the report.

GEOPHYSICAL SURVEY
BARRY HOLLINGER 4 GROUP
PACAUD TOWNSHIP

LARDER LAKE MINING DIVISION
DISTRICT OF TIMISKAMING, ONTARIO

INTRODUCTION

The claim group consists of four (4) contiguous unpatented mining claims. The claims are located in the middle half of Lot 3, Conc. VI in Pacaud Township.

The original grids from 1984 and 1987 were only partly located so a new baseline was established starting at the number 1 post of claim No. L-737419 and was out to the number 4 post of claim L-737420. A grid system of picket lines 200 feet apart with stations every 50 feet was established at right angles to the baseline.

The line cutting was performed by A J Perron Gold Corp.

The Magnetometer and Electromagnetic surveys were performed by Miss Wendy K. Weller.

The drafting, contouring, interpretation and report were done by Miss Wendy K. Weller.

ACCESS AND LOCATION

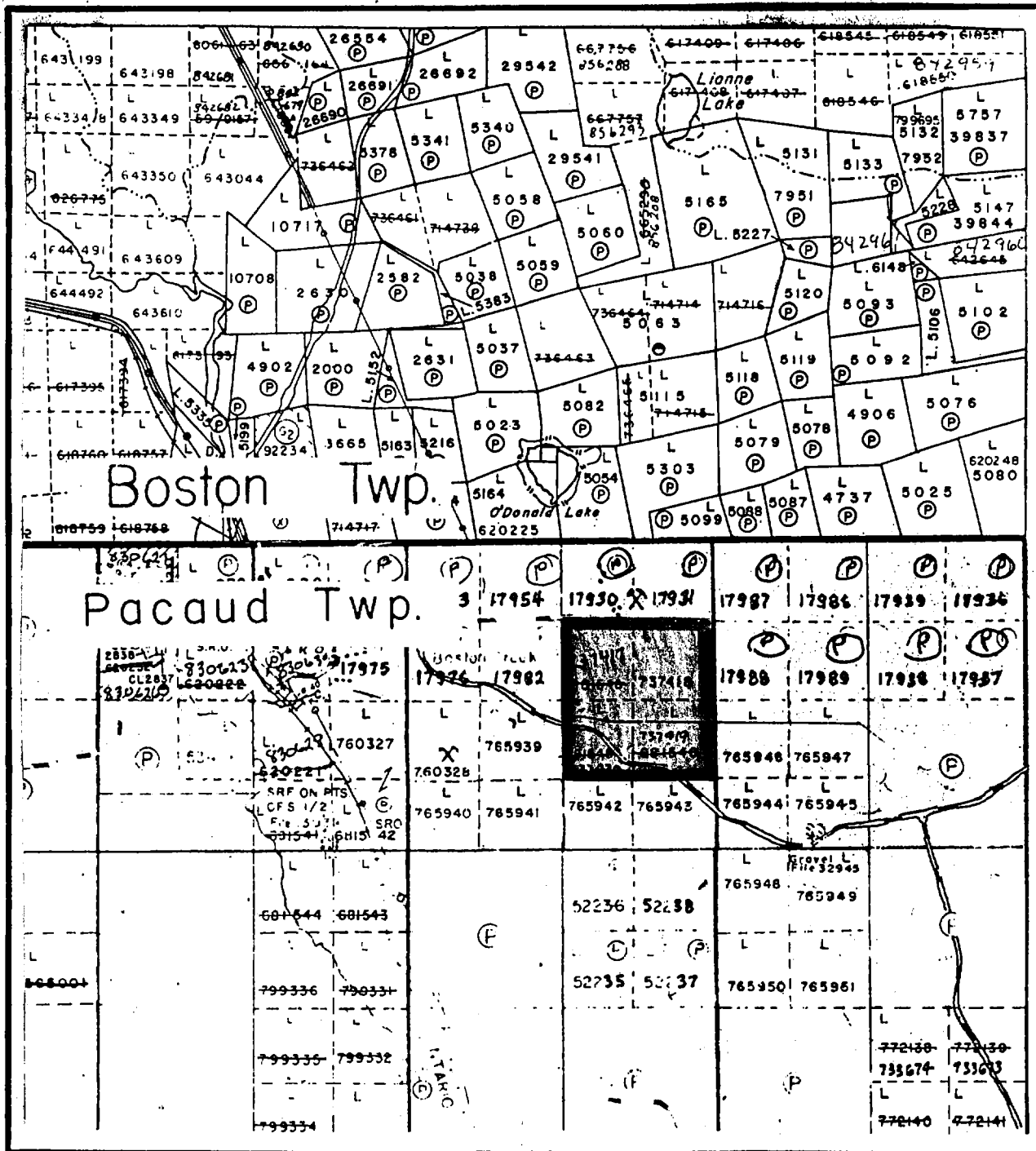
The Barry Hollinger Four Group lies in the middle half of Lot 3, Conc. VI approximately one and one half miles from the village of Boston Creek, which is twelve (12) miles southeast of the town of Kirkland Lake.

The property is accessible via a secondary road that extends eastward from the village of Boston Creek into the Barry Hollinger Mine site. This road may be reached via highway 112 and highway 564. (See Figure 1 b).

PREVIOUS WORK

Scattered old trenching can be found throughout the property, however no records are available.

April, 1985 - Geophysical Survey
M Greer

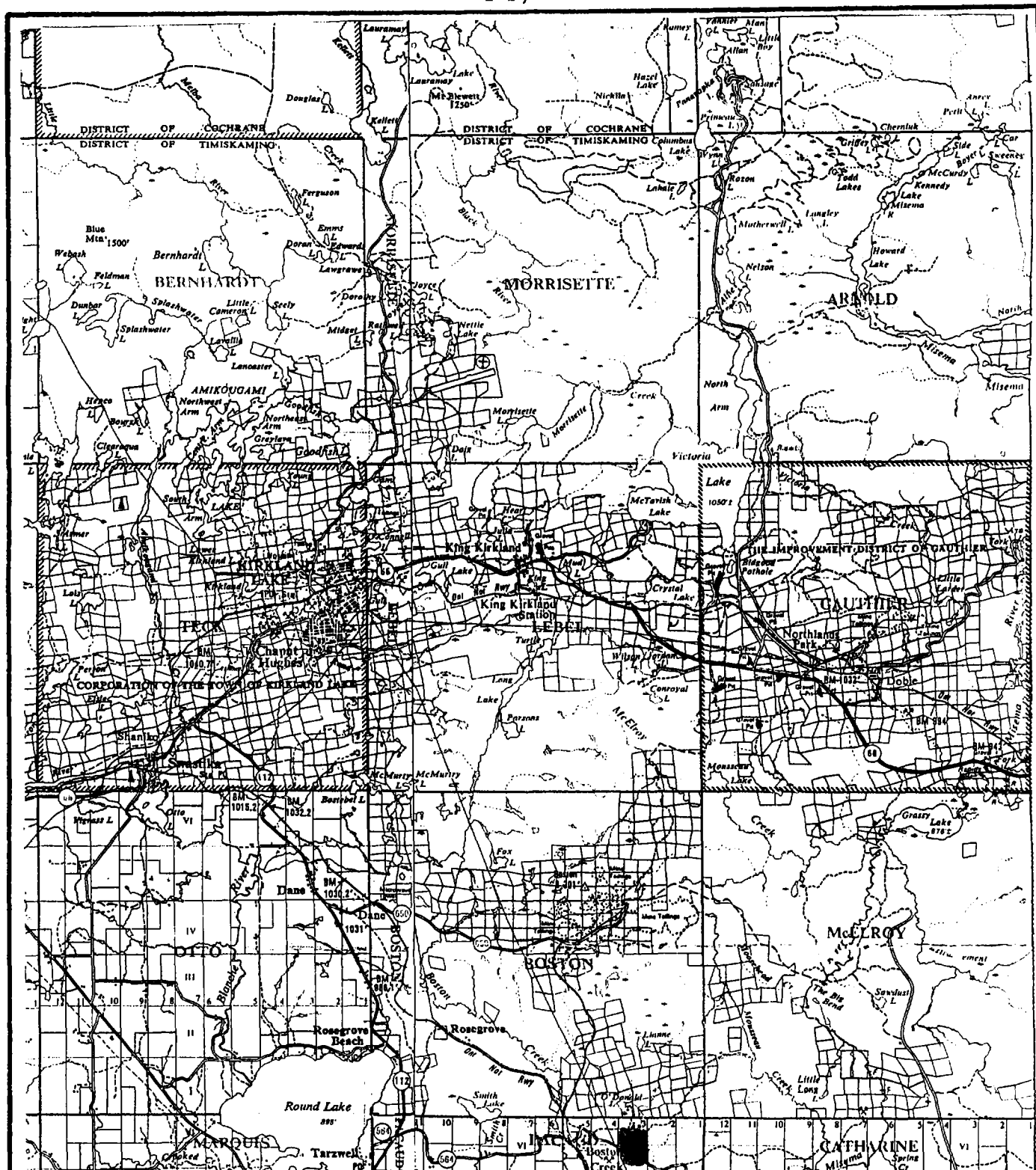


Claim Location Map

Scale: 1 inch to 1/2 mile

Taken from a June 1986

Figure 1a



Location Map

Figure 1b

August, 1986 - Geological Survey
M. Greer

April, 1987 - Geophysical Survey
Barry Hollinger Joint Venture

The above reports can be viewed at the Regional Office.

TOPOGRAPHY

The terrain consists of low swampy areas surrounded by high steep hills, which has a large percentage of exposed outcrop.

A very large creek, pond system runs south/east through claim No. L-737419.

The vegetation in both claims ranges from alder, grass, balsam in the low lying areas to red jack pine and poplar, and silver and white birch on the outcrop showings.

GENERAL GEOLOGY

According to the O.D.M. Map No. 1957-4 the underlying bedrock consists of basic volcanic lava flows of the Keewatin age. These rock types are primarily gabbroic lava flows and andesite, basalt and pillow lava. The flows appear to be trending northwest-southeast and are facing east.

INSTRUMENTATION

Electromagnetic Survey:

The VLF-EM method uses as a source, one of the main submarine communications transmitters in the 15 to 25 kHz band found throughout the world. These submarine communication radio waves travel in a single mode parallel to the surface of the earth along the earth-air surface.

Without vertical conductors and travelling over flat ground, the magnetic field component of this radio or surface wave is horizontal and perpendicular to it's direction of travel.

VLF instruments are capable of picking up these structures that change the direction of the waves by measuring the tilt angle of the major axis of the polarization ellipse. This is illustrated by the tilt angle being zero on flat ground, but when a conductor is present the tilt angle will acquire a finite value. The direction of tilt indicates the direction of the conductor. Calculations of such parameters as depth, depth extent, dip and

width of the conductor is very minimal.

The VLF easily illustrates the location of the upper limit of dipping structures which can be seen or plotted as VLF profiles as areas of greatest change in tilt angle per unit of distance.

The instrument used for this EM survey was a Geonics VLF-EM16 Unit. The sensitivity of this unit is $\pm 1\%$ for the in-phase and $\pm 1\%$ for the quadrature. The operating frequency for the EM16 is from 15-25 kHz and the station selection is made by plug-in units.

For the purpose of this EM survey the station used was Cutler, Maine, which has a frequency of 24.0 kHz.

All the readings were taken facing north at 50 foot intervals and the topography was noted for future use in the interpretation of the EM results.

Magnetic Survey:

This system uses a backward motion of spinning protons of a hydrogen atom within a fluid of hydrogen and carbon. These spinning magnetic protons are caused to have two opposite poles by applying a magnetic field using a current within a coil of wire. When the current is stopped, the protons precess about the earth's magnetic field and in turn generate a small current in the wire. This frequency of precession is proportional to the earth's total magnetic field.

This instrument is read directly in gammas which is the absolute value of the earth's total field for that station.

1996 ELECTROMAGNETIC AND MAGNETOMETER SURVEYS

1) Magnetic Survey:

The field data is presented on a map at a horizontal scale of one inch to 200 feet, Map No. BH/96/2, found in the back of this report.

The magnetic data is illustrated as isomagnetic contours (contour interval 100 gammas) on a map of corrected magnetic values recorded at each station.

The magnetic trend is a northwest direction.

In this survey in claim L-737420 a large magnetic structure is noted. This magnetic high structure crosses

picket lines 13W to P17W in a southwest to south direction. This high magnetic structure is probably heavily altered and shear zones of the Pacaud fault. M. Greer's 1987 magnetometer survey showed a similar high magnetic structure.

ii) Electromagnetic Survey:

There are three conductors found in this survey.

Conductor C1 is found near the top and along the south edge of a large outcrop showing on P1 0W 350 south to P14W 250 south.

Conductor C2 follows the edge of a steeply sloping north face hill and pine bog. The conductor crosses P10W 13 south to P15W 850 south.

Conductor C3 follows the top of a steep hill covered in jack pine, birch, balsam and alder. C3 crosses P18W 825 south to P110W 725 south.

To discover more about these conductive zones the data should be Frazer filtered.

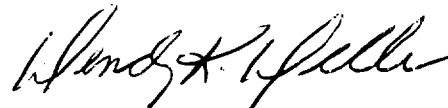
CONCLUSIONS AND RECOMMENDATIONS

Only conductor C3 appears to have any association with the magnetic trend and structure. The VLF conductor axis is found to occur along the edge of a higher magnetic gradient.

The magnetic low indicates a change in the structure, possibly caused by a fault which also may be indicated by the EM response in claim L-737420.

A diamond drill program is being looked at for this property in the upcoming year.

Respectfully submitted by



August 13, 1996

Miss Wendy K. Weller

BIBLIOGRAPHY

Sixty-sixth Annual Report of the
Ontario Department of Mines

Volume LXVI, Part 5, 1957

Geology of Boston Township and part of
Pacaud Township by K.D. Lawton

April 10, 1987 - Geophysical Survey Report on the
M. Greer Barry Hollinger Joint Venture
Boston and Pacaud Townships.

Technical Data:

Line (mi/km): 4 MILES 6.4 KMS
 No. of samples/stations: 211
ELECTROMAGNETIC SURVEY:
 Instrument: GEONICS EM-16
 Coil configuration: VERTICAL AND HORIZONTAL
 Method: FIXED TRANSMITTER
 Vertical scale: 1 INCH = \pm 40%
 Frequency: CUTLER - 24.0 kHz
 Operational technique: CUTLER, MAINE, ALL READINGS TAKEN FACING NORTH 90°
.....TO THE STATION.....

Line traversed: _____
 Line/picket spacing: 200 FT/100 FT.
 Operator: MISS WENDY K. WELLER
 Accuracy: \pm 1%
 Coil separation: INFINITY
 Parameters: IN-PHASE/QUADRATURE
 Horizontal scale: 1 INCH = 200 FEET
 Station: CUTLER, MAINE

MAGNETIC SURVEY:

Instrument: MCPHAR GP-8 PROTON
 Base station: BL 0 0+0
 Base station time: 30 MINUTES
 Contour interval: 50 - 100 GAMMAS
 Contoured by: MISS WENDY K. WELLER
 Operational technique: SENSOR POLE MOUNT.

Operator: MISS WENDY K. WELLER
 Accuracy: \pm 1 GAMMA
 Diurnal method: CLOSED LOOP BL TIE IN
 Location/value: BL 0+00/58570
 Datum subtracted: 58,000 GAMMAS
 Horizontal scale: 1 INCH = 200 FEET

INDUCED POLARIZATION SURVEY

Transmitter used: _____ Receiver used: _____
 Method: _____ Frequency: _____
 On time: _____ Range: _____
 Off time: _____ Delay time: _____
 Power source: _____ Output: _____
 Electrode array: _____ Electrode spacing: _____
 Readings taken: _____ Other data: _____
 Operational technique: _____

Assessment Data Form

Type of Work:

Prospecting: _____ Geological: _____

Physical: LINE CUTTING, CHAINING _____

Geophysical: MAGNETOMETER AND ELECTROMAGNETIC SURVEYS _____

Geochemical: _____ Drilling: _____

Assays/Analyses: _____ Other work: _____

Cost of Work: \$3,626.00 _____ Dollars Applied: \$3,200.00 _____

Recorded Holder:

Name: ALEXANDER H. PERRON _____

Address: 103 GOVERNMENT ROAD EAST, _____

KIRKLAND LAKE, ONTARIO P2N 1A9 _____

Survey Company:

Name: A J PERRON GOLD CORPORATION _____

Address: 103 GOVERNMENT ROAD EAST, _____

KIRKLAND LAKE, ONTARIO P2N 1A9 _____

Survey/Report Information:

Start of work: JULY 30, 1996 _____

End of work: AUGUST 12, 1996 _____

Draughting time: AUGUST 11, 12, 1996 _____

Report time: AUGUST 8, 12, 13, 1996 _____

Completion of report: AUGUST 13, 1996 _____

Author: MISS WENDY K. WELLER _____

Work performed on claim(s) L-737419 and L-737420 _____

Work applied to claim(s) L-737417, L-737418, L-737419, L-737420 _____

Persons who performed work (supervisor first):

A J PERRON GOLD CORPORATION _____

WENDY K. WELLER _____

MICHAEL BURNS _____

C E R T I F I C A T E

I, Wendy K. Weller, of Kirkland Lake, Ontario do hereby certify:

- 1) That I am a Geotech in Training and reside at:
71 Second Street, Apartment #2, Kirkland Lake, Ont. P2N 1R6.
- 2) That I graduated from the Haileybury School of Mines as a certified Diamond Driller in 1982. I have had a staking licence for the past 6 years.
- 3) That I was employed as a Diamond Driller for Heath and Sherwood for 1 year.
- 4) That I have been practising as a Geotech Trainee for a period of six (6) years and I am qualified to write this report.
- 5) That I supervised and participated in this survey.

Aug 13/96
Date

W.K. Weller
Wendy K. Weller
Geotech In-Training



**Report of Work Conducted
After Recording Claim**

Mining Act

Transaction Number

W9680.00398

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, 159 Cedar Street, Sudbury, Ontario, P3E 6A5, telephone (705) 670-7264.

2.16716

- Instructions:**
- Please type or print and submit in duplicate.
 - Refer to the Mining Act and Regulation.
 - A separate copy of this form must be submitted.
 - Technical reports and maps must be submitted.
 - A sketch, showing the claims the



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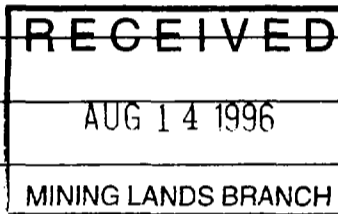
the Mining

900

Recorded Holder(s) ALEXANDER H. PERRON		Client No. 181257
Address 103 GOVERNMENT ROAD EAST, KIRKLAND LAKE, ONTARIO P2N 1A9		Telephone No. (705) 567-7057
Mining Division LARDER LAKE	Township/Area PACAUD TOWNSHIP	M or G Plan No.
Dates Work Performed	From: JULY30, 1996	To: AUGUST 12, 1996

Work Performed (Check One Work Group Only)

Work Group	Type
<input checked="" type="checkbox"/> Geotechnical Survey	LINE CUTTING, MAGNETOMETER, ELECTROMAGNETIC SURVEYS
<input type="checkbox"/> Physical Work, Including Drilling	
<input type="checkbox"/> Rehabilitation	
<input type="checkbox"/> Other Authorized Work	
<input type="checkbox"/> Assays	
<input type="checkbox"/> Assignment from Reserve	



Total Assessment Work Claimed on the Attached Statement of Costs \$ **3,626.00**

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
A J PERRON GOLD CORPORATION	103 GOVERNMENT ROAD EAST, KIRKLAND LAKE, ONTARIO P2N 1A9
WENDY K. WELLER	103 GOVERNMENT ROAD EAST, KIRKLAND LAKE, ONTARIO P2N 1A9
MICHAEL BURNS	103 GOVERNMENT ROAD EAST, KIRKLAND LAKE, ONTARIO P2N 1A9

(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 AUGUST 13, 1996	Recorded Holder or Agent (Signature) <i>[Signature]</i>
----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--------------------------------	------------------------------------------------------------

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 MISS WENDY K. WELLER, 103 GOVERNMENT ROAD EAST, KIRKLAND LAKE, ONTARIO P2N 1A9		
Telephone No. (705) 567-7057	Date AUGUST 13, 1996	Certified By (Signature) <i>[Signature]</i>

For Office Use Only

Total Value Cr. Recorded \$3200 <i>reserve</i> \$426	Date Recorded Aug 13 / 96	Mining Recorder <i>[Signature]</i>	Received Stamp 50 NOV 16 11 11 11
	Deemed Approval Date Nov. 11 / 96	Date Approved <i>[Signature]</i>	
Date Notice for Amendments Sent			

Personal information collected on this form is obtained under the authority of subsection 8(1) of the Assessment Work Regulation 6/96. Under section 8 of the Mining Act, the information is a public record. This information will be used to review the assessment work and correspond with the mining land holder. Questions about this collection should be directed to the Chief Mining Recorder, Ministry of Northern Development and Mines, 6th Floor, 933 Ramsey Lake Road, Sudbury, Ontario, P3E 6B5.

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Work Type	Units of Work <small>Depending on the type of work, list the number of hours/days worked, metres of drilling, kilometres of grid line, number of samples, etc.</small>	Cost Per Unit	Total Cost
LINE CUTTING	6.4 Kms. X 257./km.	737419 - \$822.00	
		737420 - \$822.00	\$1,644.00
MAGNETOMETER	6.4 Kms. X 102./km	737419 - \$326.00	
		737420 - \$326.00	\$ 652.00
ELECTROMAGNETIC	6.4 Kms. X 105./km	737419 - \$336.00	
		737420 - \$336.00	\$ 672.00
Associated Costs (e.g. supplies, mobilization and demobilization).			
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Transportation Costs			
	14 DAYS X 1 FORD TRUCK X \$40.00/DAY		\$ 560.00
Food and Lodging Costs			
	14 DAYS X \$7.00 /DAY (FOOD)		\$ 98.00
Total Value of Assessment Work			\$3,626.00

Calculations of Filing Discounts:

1. Work filed within two years of performance is claimed at 100% of the above Total Value of Assessment Work.
2. If work is filed after two years and up to five years after performance, it can only be claimed at 50% of the Total Value of Assessment Work. If this situation applies to your claims, use the calculation below:

TOTAL VALUE OF ASSESSMENT WORK \times 0.50 = Total \$ value of worked claimed

Note:

- Work older than 5 years is not eligible for credit.
- A recorded holder may be required to verify expenditures claimed in this statement of costs within 45 days of a request for verification and/or correction/clarification. If verification and/or correction/clarification is not made, the Minister may reject all or part of the assessment work submitted.

Certification verifying costs:

I, WENDY K. WELLER, do hereby certify, that the amounts shown are as accurate as may reasonably be determined and the costs were incurred while conducting assessment work on the lands indicated on the accompanying Declaration of Work form as AGENT I am authorized to make this certification.

Signature <i>Wendy K. Weller</i>	Date AUGUST 13, 1996
-------------------------------------	-------------------------

Ministry of
Northern Development
and Mines

Ministère du
Développement du Nord
et des Mines



October 22, 1996

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

Roy Spooner
Mining Recorder
4 Government Road East
Kirkland Lake, ON
P2N 1A2

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

Dear Sir or Madam:

Submission Number: 2.16716

Subject: Transaction Number(s): W9680.00398

After reviewing the Work Report(s) we have prepared this letter and the attached summary, which lists the results of our review. Requirements of the Assessment Work Regulation may not have been fully met. Please examine the summary to determine the next course of action concerning the identified Work Report(s).

NOTE: The 90 day deemed approval provision, subsection 6(7) of the Assessment Work Regulation, is no longer in effect for this submission.

PLEASE NOTE ANY REQUESTED REVISIONS MUST BE SUBMITTED IN DUPLICATE.

If the anniversary dates for the mining claims affected by this correspondence have not passed, a number of options are available. Please contact the Mining Recorder to discuss these options.

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

Yours sincerely,

A handwritten signature in black ink, appearing to read "Ron C. Gashinski".

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

Work Report Assessment Results

Submission Number: 2.16716

Date Correspondence Sent: October 22, 1996

Assessor: Steve Beneteau

Transaction Number	First Claim Number	Township(s) / Area(s)	Status	Approval Date
W9680.00398	737419	PACAUD	Approval	October 21, 1996

Section:

14 Geophysical MAG

Correspondence to:

Mining Recorder
Kirkland Lake, ON

Resident Geologist
Kirkland Lake, ON

Assessment Files Library
Sudbury, ON

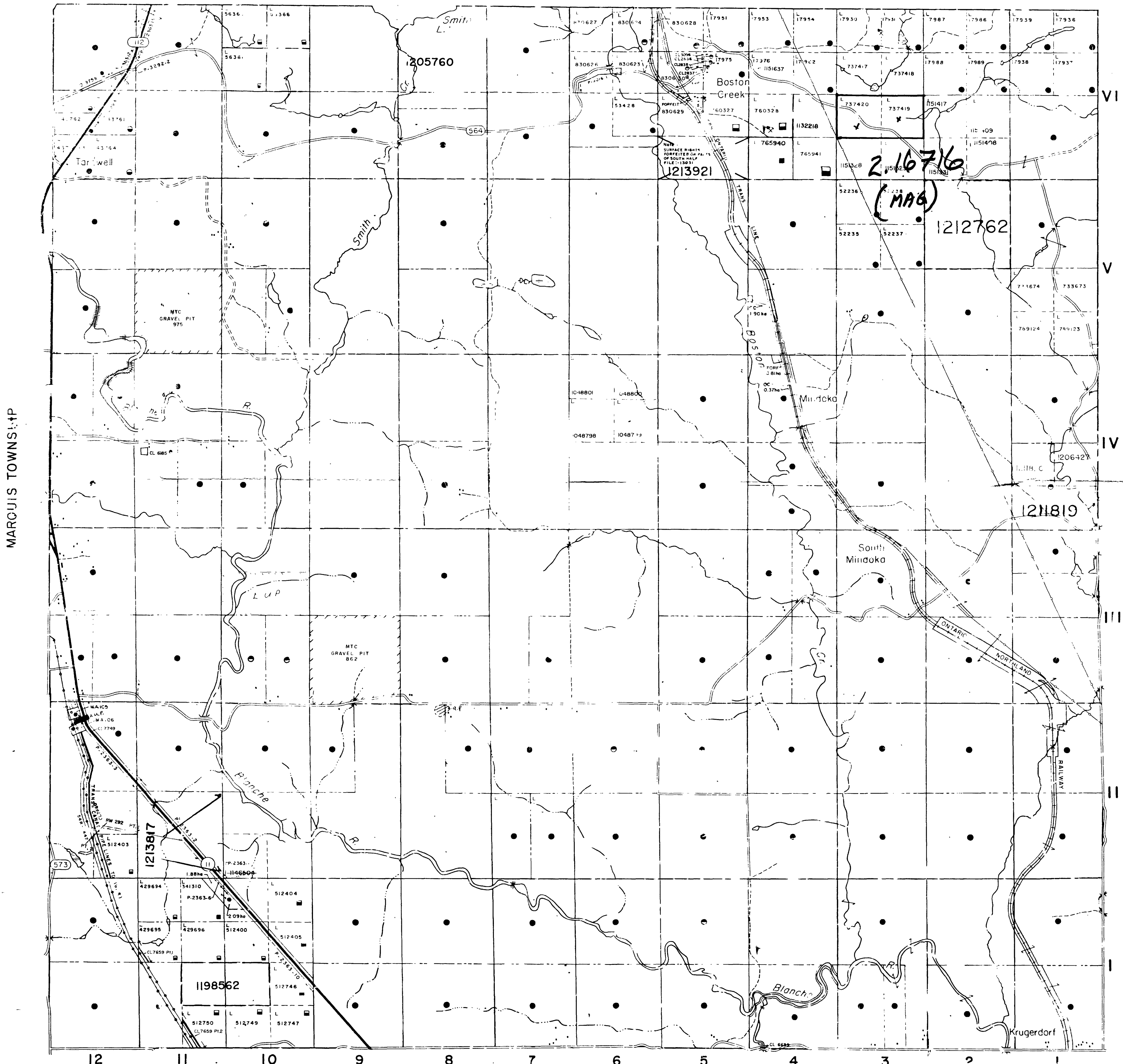
Recorded Holder(s) and/or Agent(s):

Wendy Weller
KIRKLAND LAKE, ONTARIO, CANADA

ALEXANDER H. PERRON
KIRKLAND LAKE, Ontario

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 LANDS SHOWN HEREON.

BOSTON TOWNSHIP



MARQUIS TOWNSHIP

CATHARINE TOWNSHIP

CHAMBERLAIN TOWNSHIP

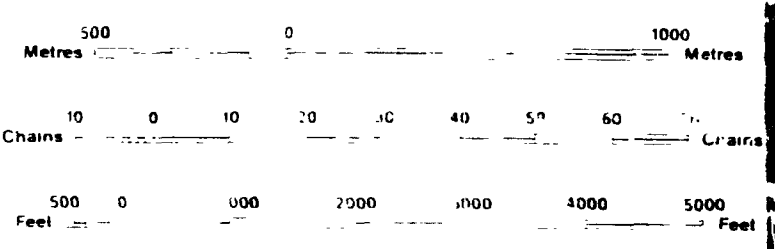
LEGEND

- HIGHWAY AND RAILWAY
- STREET LINES
- TRAIL
- SURVEYED LINE
- TOWNSHIP BOUNDARY
- LOTS MINING CLAIMS
- UNSURVEYED LINE
- LOT LINES
- PARCEL BOUNDARY
- MINING CLAIM SET
- RAILWAY AND RIGHT OF WAY
- UTILITY LINES
- NON PERMANENT STREAM
- FLOODING OF FLOODING RIGHTS
- SUBDIVISION OF COMPOSITE PLAN
- RESERVATIONS
- ORIGINAL SHORFLINE
- MARSH OR MUSKEG
- MINES
- TRAVERSE MONUMENT

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 OCCUPATION	○
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.



SCALE 1:20 000

DATE OF ISSUE
AUG 13 1996
LARDER LAKE
MINING RECORDS OFFICE

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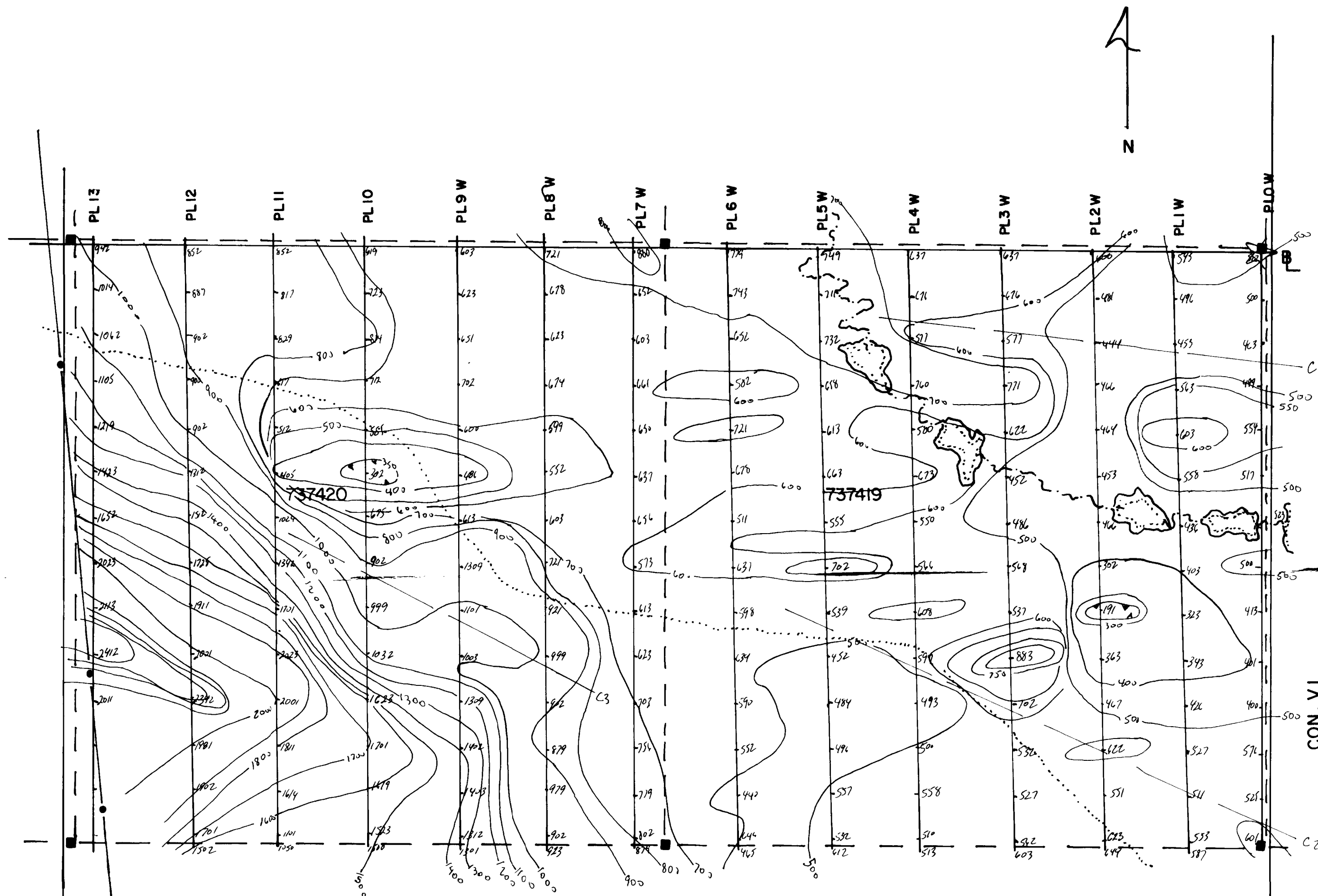
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AUG 14 1996
MINING LANDS BRANCH

TOWNSHIP
PACAUD
M.N.R. ADMINISTRATIVE DISTRICT
KIRKLAND LAKE
MINING DIVISION
LARDER LAKE
LAND TITLES / REGISTRY DIVISION
TIMISKAMING

Ministry of Natural Resources Ontario
Ministry of Northern Development and Mines

COPY OF THIS MYLAR ARCHIVED OCT. 13, 1993 ARCHIVED FEB. 22, 1995.





LOT 3

SYMBOLS
 Claimpost ■ Claim line --- Hydroline ●
 Concession line |
 Access road --- Pond Creek
 Base station 58507
 Contour intervals 50-100 gammas

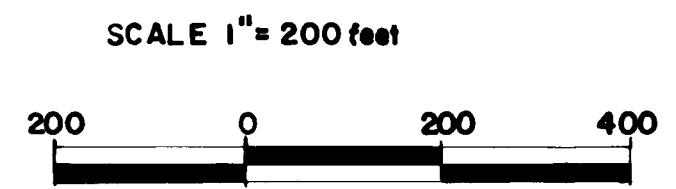
INSTRUMENTATION
 Instrument used McPhar GPB Proton Magnetometer
 Datum subtract 58000 g

VLF Conductor axis --- C1

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 AUG 14 1996
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BARRY HOLLINGER FOUR
GROUND MAGNETOMETER SURVEY

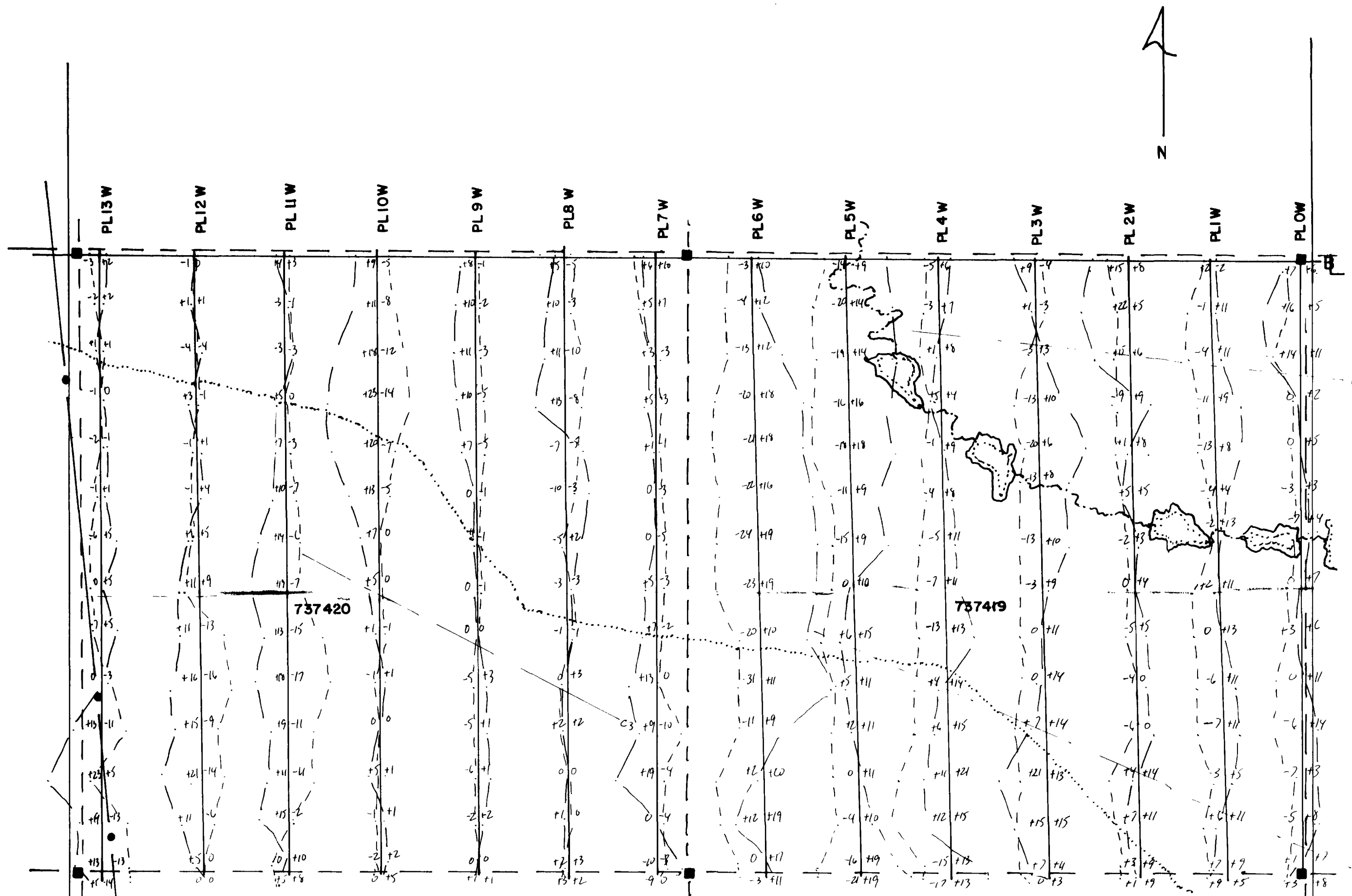
PACAUD TOWNSHIP
 LARDERLAKE MINING DIVISION, ONTARIO

W.K. Weller



Report by WK Weller Drawn by WK W
 Date Aug / 96 Map no BH/96/2





SYMBOLS

- Claim post ■
- Claim line - - - - -
- Hydro line ●
- Concession line
- Access road
- Pond
- Creek
- Inphase
- Quadrature
- Conductor axis

INSTRUMENTATION

Instrument used GEONICS EM 16
 Station used Cutler, Maine
 Frequency 24.0 kHz
 Vertical scale 1" = ± 40%

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 LANDS BRANCH

2.16716

BARRY HOLLINGER FOUR
GROUND VLF-EM SURVEY
 NAA Profiled
 PACAUD TOWNSHIP
 LARDER LAKE MINING DIVISION, ONTARIO

W.K. Waller

SCALE 1 inch to 200 feet



Report by WKWaller Drawn by WKW
 Date Aug/96 Map no BH/96/1

LOT 3

