42A01SE0207 2.3508 EBY

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MINING LANDS SECTION

GEOPHYSICAL REPORT

LACANA CLAIMS

EBY TOWNSHIP

LARDER LAKE MINING DIVISION

Author: Ronald C. Wells, B.Sc.
Lacana Mining Corporation
Toronto, Ontario
August 1980

LOCATION AND ACCESS

The Lacana claim group in Eby Township consists of four contiguous unpatented claims in the southwestern part of the township. The claims are as follows:

L546358 NE ¼ S½ concession II Lot 10
L546359 NW ¼ S½ concession II Lot 10
L546360 SW ¼ N½ concession II Lot 10
L546361 SE ¼ N½ concession II Lot 11

Highway 66 from Kenogami passes through claim L546358 providing easy access to the claim group.

PREVIOUS WORK

The only previous work recorded on the property is that by Noranda, 1971/72. Noranda held the area covered by claims L546359, L546360 and L546361 as well as claims to the north and west. VLEM, magnetic and whole rock geochemical surveys were completed by Noranda. Two conductive zones with east-west trend were outlined by the VLEM survey and were not drilled. Both conductors occur in low lying swampy areas separated by a higher area with numerous outcrops of granite. No magnetic correlation was found with the conductive zones.

GEOPHYSICS

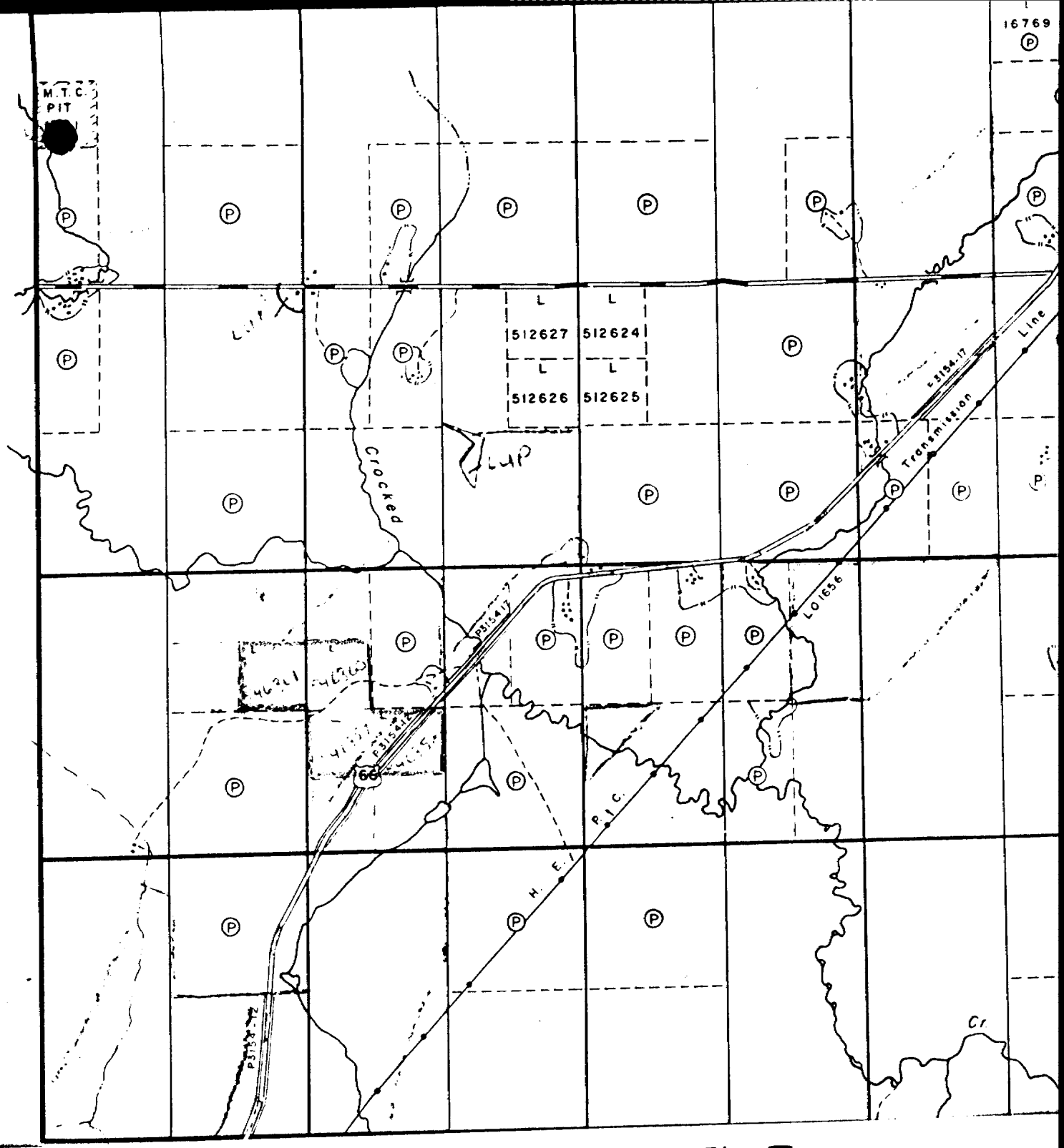
METHOD - A grid 6.04 miles long was cut and chained by Gelinas and Associates Ltd. during the winter of 1979/80 to cover the entire property. Geox Ltd. of Timmins was contracted to run an Apex Max-Min II horizontal loop EM survey over the grid using 1777 Hz and 444 Hz frequencies and 400 foot coil separation. In and Out of Phase readings were taken at 100 foot intervals using

both frequencies and the results are plotted in Figures 1 and 2.

RESULTS AND CONCLUSIONS - A very weak conductor occurs on lines 0 and 8W which coincides approximately with the southern conductor outlined by the Noranda VLEM survey. The conductor is in an area of heavy overburden between two granitic knolls and may simply be an overburden effect.

RECOMMENDATIONS - Detailed prospecting for mineralization within the granite should be carried out on the property.

R. C. Wells
9/1/81



Location Map - Claim Group - Eby Twp.

Ontario

Ministry of Natural Resources

File _____

GEOPHYSICAL – GEOLOGICAL – GEOCHEMICAL TECHNICAL DATA STATEMENT

TO BE ATTACHED AS AN APPENDIX
FACTS SHOWN HERE NEED NOT BE
TECHNICAL REPORT MUST CONTAIN INTER

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Type of Survey(s) GEOPHYSICAL

Township or Area EBY

Claim Holder(s) LACANA MINING CORP

Survey Company LACANA MINING CORP.

Author of Report RONALD C. WELLS BSc.

Address of Author 7 GRENFELL AV. SWASTIKA

Covering Dates of Survey 1/1/80 1/9/80
(linecutting to office)

Total Miles of Line Cut 6.04 MILES

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	40
–Magnetometer	
–Radiometric	
–Other	
Geological	
Geochemical	

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

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

DATE: _____ SIGNATURE: _____
Author of Report or Agent

Res. Geol. _____ Qualifications 2.3509

Previous Surveys

File No.	Type	Date	Claim Holder

MINING CLAIMS TRAVERSED
List numerically

(prefix)	(number)	
L	546358	1/6
L	546359	1/6
L	546360	1/6
L	546361	1/3

TOTAL CLAIMS 4

If space insufficient, attach list

OFFICE USE ONLY

GEOPHYSICAL TECHNICAL DATA

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

Number of Stations 261 Number of Readings 522

Station interval 100' Line spacing 400'

Profile scale 1" = 20%

Contour interval

MAGNETIC

Instrument

Accuracy -- Scale constant

Diurnal correction method

Base Station check-in interval (hours)

Base Station location and value

ELECTROMAGNETIC

Instrument APEX MAX-MIN II

Coil configuration HORIZONTAL LOOP

Coil separation 400 FT

Accuracy 1%

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

Frequency 444 Hz & 1777 Hz (specify V.L.F. station)

Parameters measured IN PHASE / OUT PHASE

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

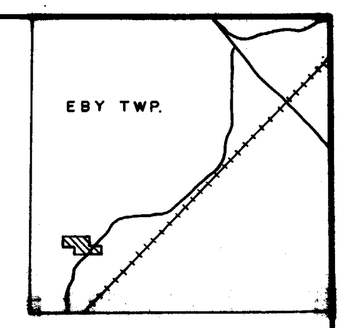
-- Integration time

Power

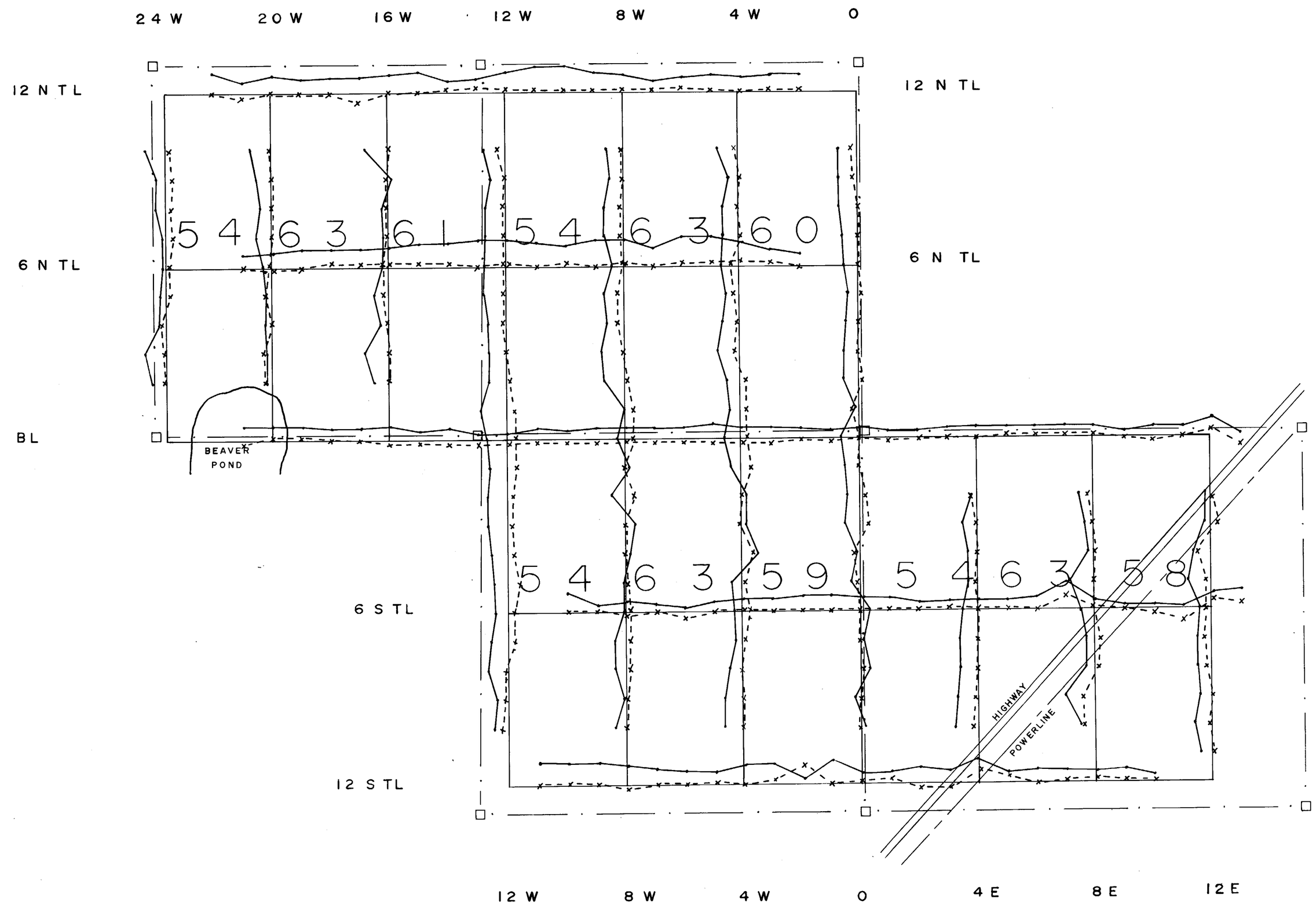
Electrode array

Electrode spacing

Type of electrode



CLAIM LOCATION MAP

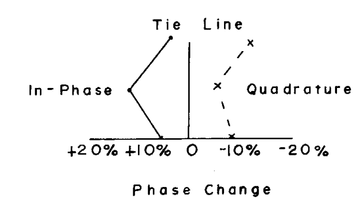


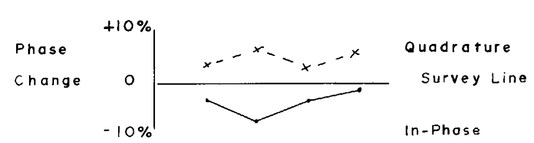
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GEOPHYSICAL LEGEND

Instrument: APEX MAX MIN II
Mode: Maximum Coupled
Frequency: 444 Hz
Coil Separation: 400 Feet
Operators: GEOX LTD
Date: April 1980

PLOTTING CONVENTION





Claim Posts □
Claim Lines · —— ·

LACANA
CONVENTURES LIMITED
MURPHY OIL COMPANY LTD
LACANA MINING CORPORATION

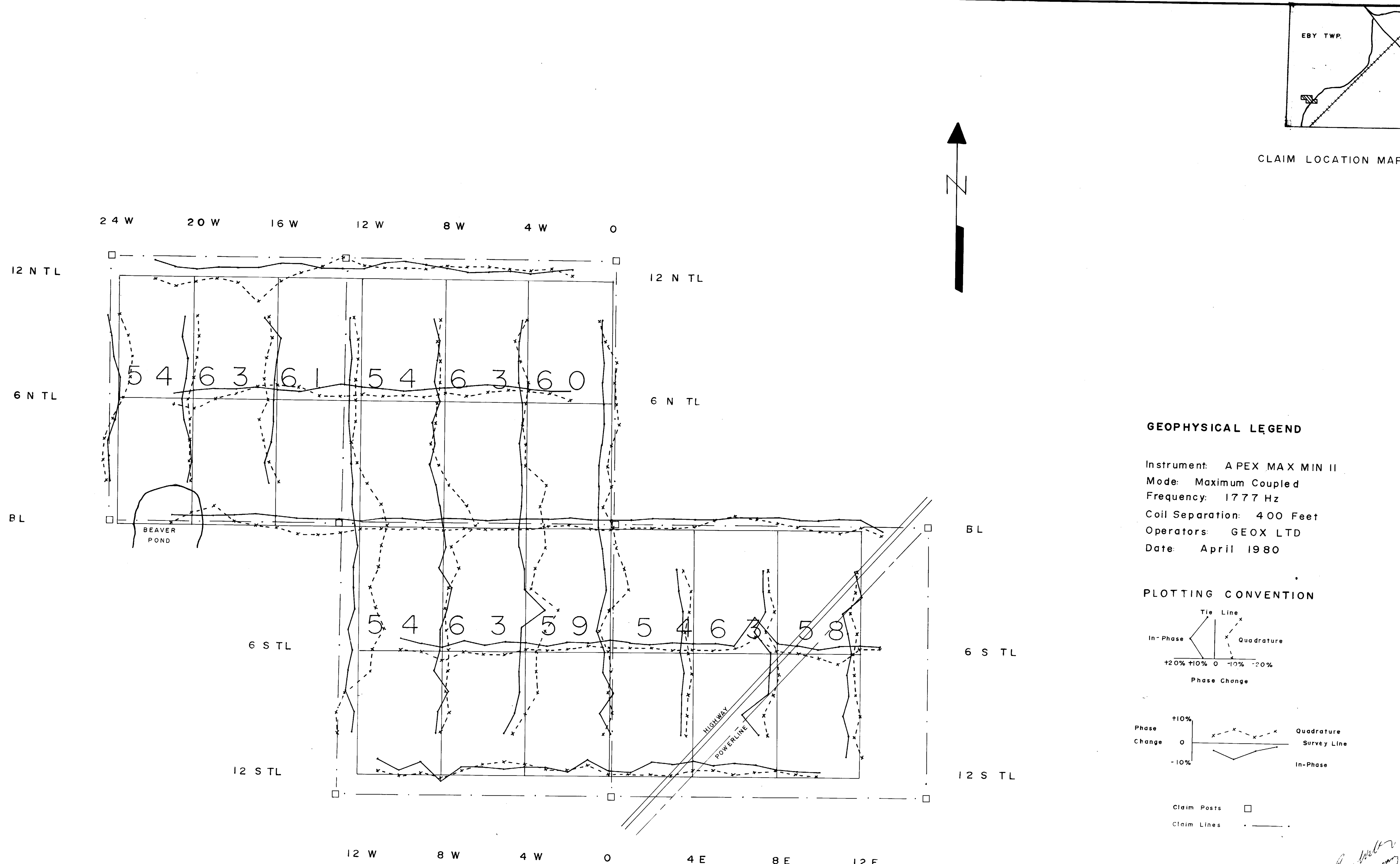
CANADIAN MINERALS JOINT VENTURE

KIRKLAND PROJECT
EBY TWP
EM SURVEY

INITIALS	SCALE	DATE	SIZE	DWG. NO.
R W	1"=200'	Sept.1980	42 A/1	1

2.3508

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GEOPHYSICAL LEGEND

Instrument: APEX MAX MIN II
Mode: Maximum Coupled
Frequency: 1777 Hz
Coil Separation: 400 Feet
Operators: GEOX LTD
Date: April 1980

PLOTTING CONVENTION

Tie Line
In-Phase
Quadrature
+20% +10% 0 -10% -20%
Phase Change

Phase Change
+10%
0
-10%
Quadrature
Survey Line
In-Phase

Claim Posts □
Claim Lines

LACANA — CONVENTURES LIMITED, MURPHY OIL COMPANY LTD, LACANA MINING CORPORATION

CANADIAN MINERALS JOINT VENTURE

KIRKLAND PROJECT
EBY TWP
EM SURVEY

Prepared by	Scale	Date	N.T.S.	Figure
R W	1"=200'	Sept.1980	42 A/1	2

2.3508

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