

2.4222

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1981
SECTION

REPORT ON THE VLF SURVEY OF THE CLAIMS
HELD BY MOUNT JAMIE MINES LIMITED
PIPESTONE BAY, RED
LAKE, ONTARIO



52M01SE8110 2.4222 HAMMELL LAKE

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A VLF survey was completed in the summer of 1981 as part of an on-going exploration program on the claims.

Location and Access:

The claims are located approximately one mile east of Pipestone Bay (between Pipestone Bay and Golden Arm) of Red Lake. The claims are shown on the Hammell Lake Sheet (M2211) and are located in Todd Township of the Red Lake Mining Division in the District of Kenora, Ontario.

A road from the north-east corner of Pipestone Bay leads to the claims.

The Claims:

There are eleven patented claims and four staked claims held by Mount Jamie Mines Limited.

Mount Jamie Mines Limited	Patented claims
Box 47, Commerce Court	10393-10396
Toronto, Ontario	10420-10423
	11064-11066
	Staked claims
	468157-58
	468161
	468173

Survey:

The survey was performed by employees of Mount Jamie Mines Limited. The survey was done in July 1981.

Geology:

The claims are underlain by Keewatin lavas of basic to intermediate composition and dykes of quartz porphyry, diorite and granodiorite. The greenstones in the shaft area have been altered and are noticeably lighter in colour than the normal rock. The porphyry is light coloured, waxy in appearance and occurs as regular dykes and irregular tongues. A diorite dyke, running in an east-west direction, lies south of the #1 shaft and immediately south of the No. 1 Vein. A breccia-type rock occurs to the south-east of the No. 1 Vein and appears to plunge flatly to the west.

Mineralization:

Gold occurs in quartz veins primarily as free gold.

Exploration and Development:

The claims have a long history of exploration and development starting in the 1930's with underground development in two shafts. In 1976 shaft No. 1 was reopened and a small gold mill was built (100 TPD). The mill was reactivated in 1980 and stockpiled ore was processed. The current claim holders are planning further exploration work including diamond drilling and underground development.

VLF Survey:

The survey was carried out utilizing a Geonics EM-16 VLF EM-Receiver. This receiver measures the secondary field created by conducting bodies. It measures the in-phase by dip angle measured in % (\pm 0 to 150), and the out-of-phase in % of the strength of the primary field (\pm 40%)

Readings were taken at 100 foot spacing along lines 200 feet apart with some detail stations at 50' intervals.

In total, there were some 27 miles of lines surveyed and approximately 1500 readings were taken.

Results:

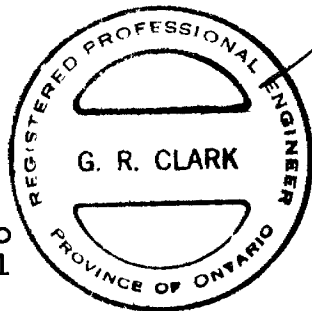
The survey was to locate conductive zones that could be associated with known gold occurrences and in this way aid in the continued exploration of the property by giving targets for the drilling.

The buildings and pipe lines around the No. 1 shaft area have created too large a disturbance and have masked any response that may be from the zones at that area.

No anomalies of significance were located within the surveyed area, associated with any of the other known occurrences.

Conclusions:

This survey did not produce any obvious drill targets, however, it should be considered within close comparison of the other work being conducted on the property.



Glenn R. Clark

Glenn R. Clark, P.Eng.

Toronto, Ontario
October 15, 1981



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GEOPHYSICAL TECHNICAL DATA STATEMENT

900

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OCT 15 1981

MINING LANDS SECTION

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) Geophysical - ULF-EM
Township or Area TODD TOWNSHIP (HAMMEL LAKE SECT)
Claim Holder(s) MOUNT JAMIE MINES LIMITED
Survey Company SAME
Author of Report GLENN R CLARK
Address of Author BOX 47 COMM. COURT TORONTO
Covering Dates of Survey July 1981
Total Miles of Line Cut

Table with columns for MINING CLAIMS TRAVERSED and List numerically. Includes handwritten entries like KRL, 10393, 10394, 10395, 10396, 10420, 10421, 10422, 11064, 11065, 11066, 468157, 468158, 468161, 468173. Includes a handwritten note 'Part of claim' and 'X' marks.

SPECIAL PROVISIONS CREDITS REQUESTED table with columns for Geophysical, Electromagnetic, Magnetometer, Radiometric, Other, Geological, Geochemical and DAYS per claim. Includes instructions for line cutting and survey types.

AIRBORNE CREDITS (Special provision credits do not apply to airborne surveys)
Magnetometer Electromagnetic Radiometric
DATE: Oct. 15/81 SIGNATURE: Glenn R Clark

Res. Geol. Qualifications 63.2410

Table with columns for Previous Surveys: File No., Type, Date, Claim Holder. Includes handwritten 'V.D.' in the Claim Holder column.

TOTAL CLAIMS 15

OFFICE USE ONLY

If space insufficient, attach list

GEOPHYSICAL TECHNICAL DATA

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

Number of Stations 1500 approx Number of Readings 1500 approx
Station interval 100' Line spacing 200'
Profile scale 50% = 1 inch (plan scale 1" = 100')
Contour interval

MAGNETIC

Instrument
Accuracy - Scale constant
Diurnal correction method
Base Station check-in interval (hours)
Base Station location and value

ELECTROMAGNETIC

Instrument EM-16
Coil configuration
Coil separation
Accuracy
Method: [] Fixed transmitter [] Shoot back [] In line [] Parallel line
Frequency Cutter Maive (specify V.L.F. station)
Parameters measured in-phase and out-of-phase of secondary field

GRAVITY

Instrument
Scale constant
Corrections made
Base station value and location
Elevation accuracy

INDUCED POLARIZATION RESISTIVITY

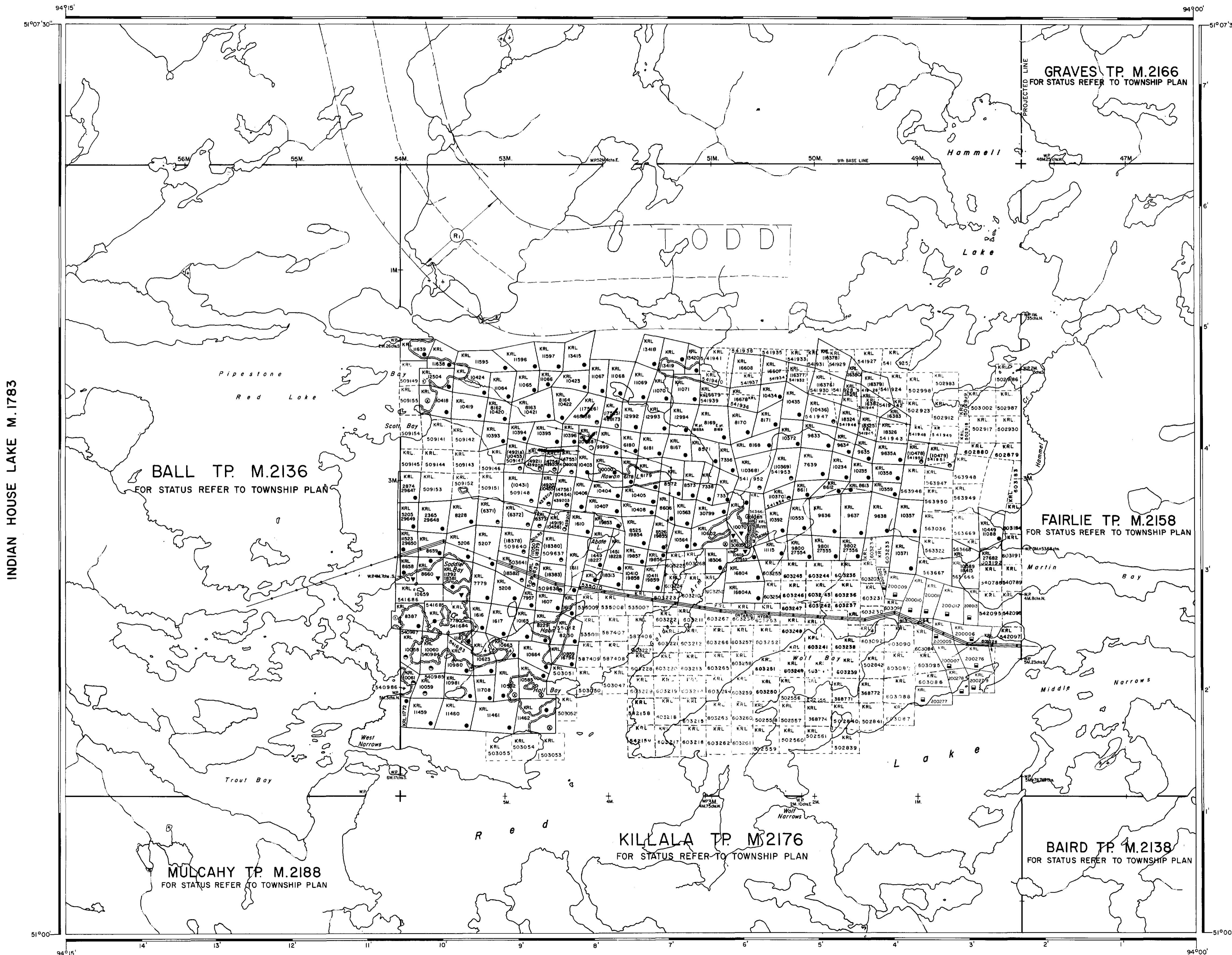
Instrument
Method [] Time Domain [] Frequency Domain
Parameters - On time Frequency
- Off time Range
- Delay time
- Integration time
Power
Electrode array
Electrode spacing
Type of electrode

NOTES

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

Areas withdrawn from staking under Section 36 of the Mining Act (R.S.O. 1980).

Order No.	File	Date	Disposition
W.B. 81	63288	8/10/81	S.R.O.



DATE OF ISSUE
FEB 22 1982
 Ministry of Natural Resources
 TORONTO

LEGEND

- HIGHWAY AND ROUTE No.
- OTHER ROADS
- TRAILS
- SURVEYED LINES:
 TOWNSHIPS, BASE LINES, ETC.
- LOTS, MINING CLAIMS, PARCELS, ETC.
- UNSURVEYED LINES:
 LOT LINES
- PARCEL BOUNDARY
- MINING CLAIMS ETC.
- RAILWAY AND RIGHT OF WAY
- UTILITY LINES
- NON-PERENNIAL STREAM
- FLOODING OR FLOODING RIGHTS
- SUBDIVISION
- ORIGINAL SHORELINE
- MARSH OR MUSKEG
- MINES

DISPOSITION OF CROWN LANDS

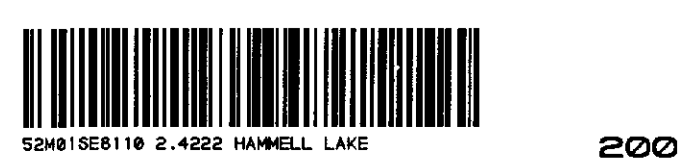
TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	●
.. SURFACE RIGHTS ONLY	○
.. MINING RIGHTS ONLY	◐
LEASE, SURFACE & MINING RIGHTS	■
.. SURFACE RIGHTS ONLY	◼
.. MINING RIGHTS ONLY	◻
LICENCE OF OCCUPATION	▼
CROWN LAND SALE	C.S.
ORDER-IN-COUNCIL	OC
RESERVATION	⊕
CANCELLED	⊖
SAND & GRAVEL	⊙

SCALE: 1 INCH = 40 CHAINS

ACRES	HECTARES
40	16

AREA
HAMMELL LAKE
 DISTRICT
 KENORA
 PATRICIA PORTION
 MINING DIVISION
 RED LAKE

Ministry of Natural Resources
 Ontario Surveys and Mapping Branch
 Date JULY, 1974 Plan No. M.2211
 National Topographical Series 52 M I



MOUNT JAMIE MINES

Pipestone Bay
RED LAKE

EM-16 Survey
NORTH SHEET

Scale 1" = 100'
Profile Scale 1" = 50'

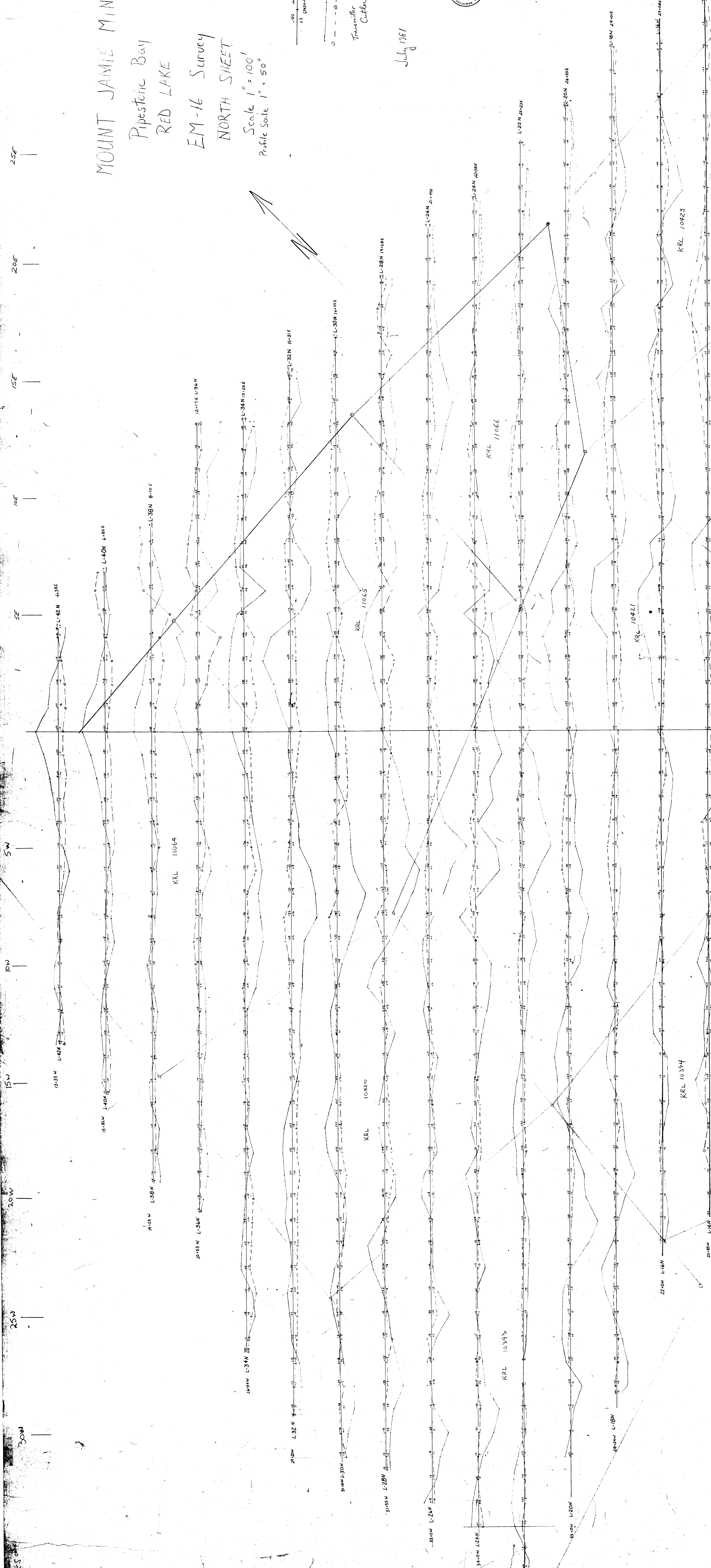
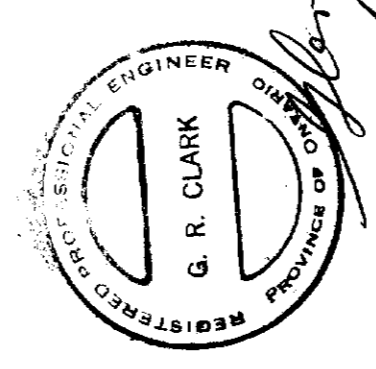
NO phase
PO
TRANSIT

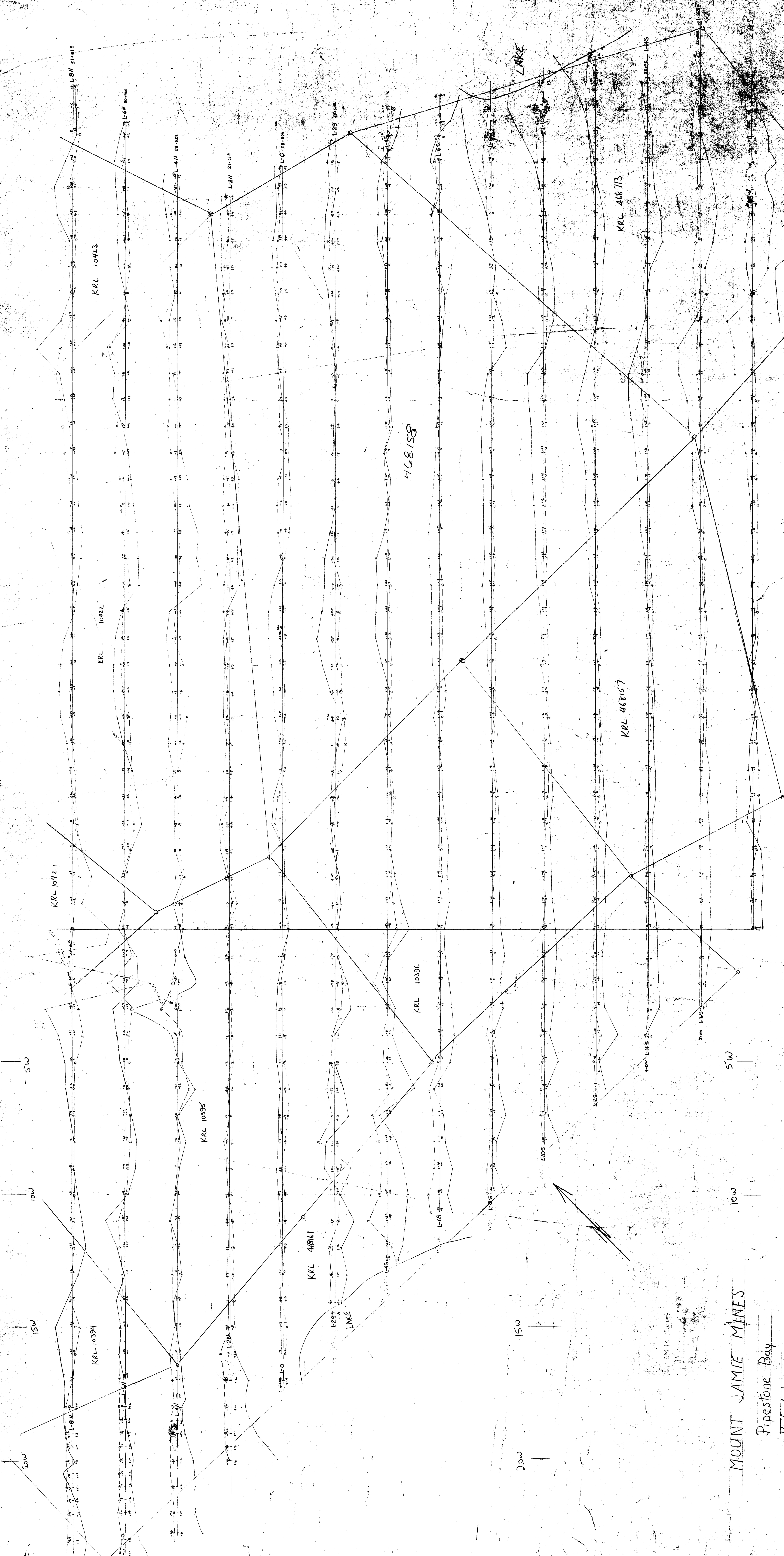
NO phase
PO
TRANSIT

Transmitter
Cutter, Moine

operator faced north

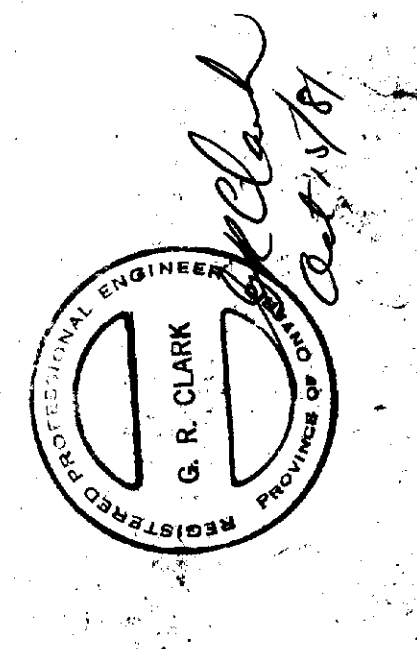
July 1981



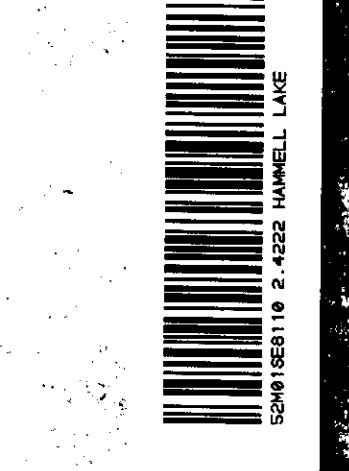


MOUNT JAMIE MINES
 Pipestone Bay
 Red Lake
 EM-16 Survey
 South Sheet

Scale 1" = 100'
 Plot Scale 1" = 50'

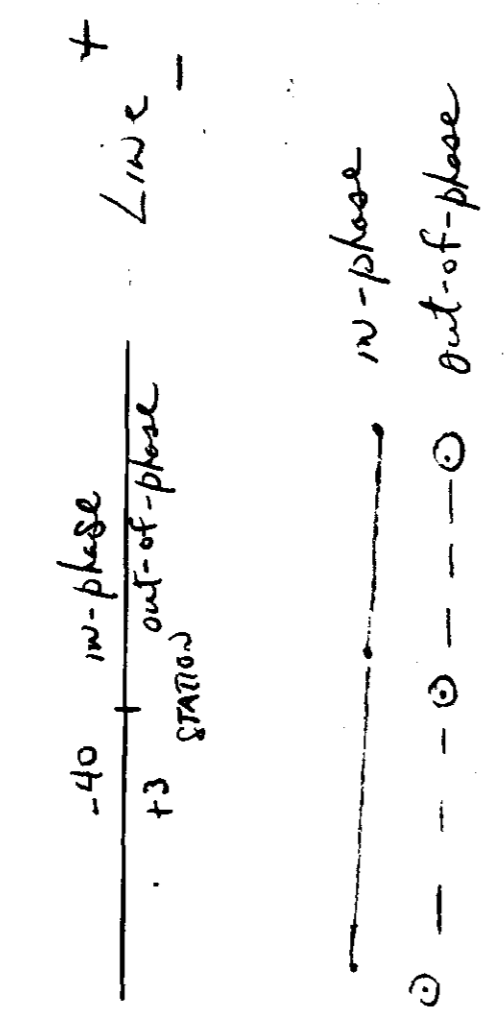


+ in place
 - out of place
 - - - - - in place
 - - - - - out of place



EM-16 Survey
NORTH SHEET

Scale 1" = 100'
Profile Scale 1" = 50'



Transmitter
Cable, Maine

operator faced north

July 1981

