



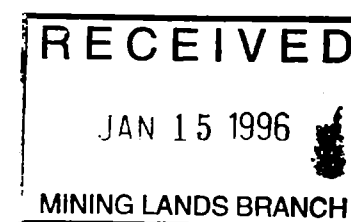
42A10NW0036 2 16350 LITTLE

010

GEOPHYSICAL REPORT (Assessment)

**Ground HLEM and Ground Magnetometer Surveys
Mining Claim P 1201371**

Property LD 13
Township of Little
District of Cochrane
Porcupine Mining Division



2.16350

Submitted By: *Deal. 2.10687*

Sue Gamble
Dave Gamble
70 First Street
Kirkland Lake, Ontario
P2N 1N3

October, 1995



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KEY PLAN: LOCATION AND ACCESS
RESULTS OF MAG AND HLEM SURVEYS - BACK POCKET

INTRODUCTION:

During June, July, and August, 1995, an exploration program consisting of line cutting, horizontal loop EM, and Mag surveys was carried out over the LD 13 property in Little Township. The purpose of the geophysical surveys was to develop new geophysical targets, and to locate airborne geophysical targets on the ground. This report contains the results of the HLEM and Mag surveys carried out over the LD 13 property. One anomalous HLEM conductor of moderate strength was recovered in the survey.

PROPERTY OWNERSHIP:

The mining claim P 1201371 which make up the LD 13 property, are jointly held by Sue Gamble (50%) and Dave Gamble (50%) of 70 First Street, Kirkland Lake, Ontario. P2N 1N3.

PROPERTY LOCATION:

Porcupine Mining Division
Little Township

Property Name: LD 13

Claim Number: P 1201371
(12 units)
Little Township

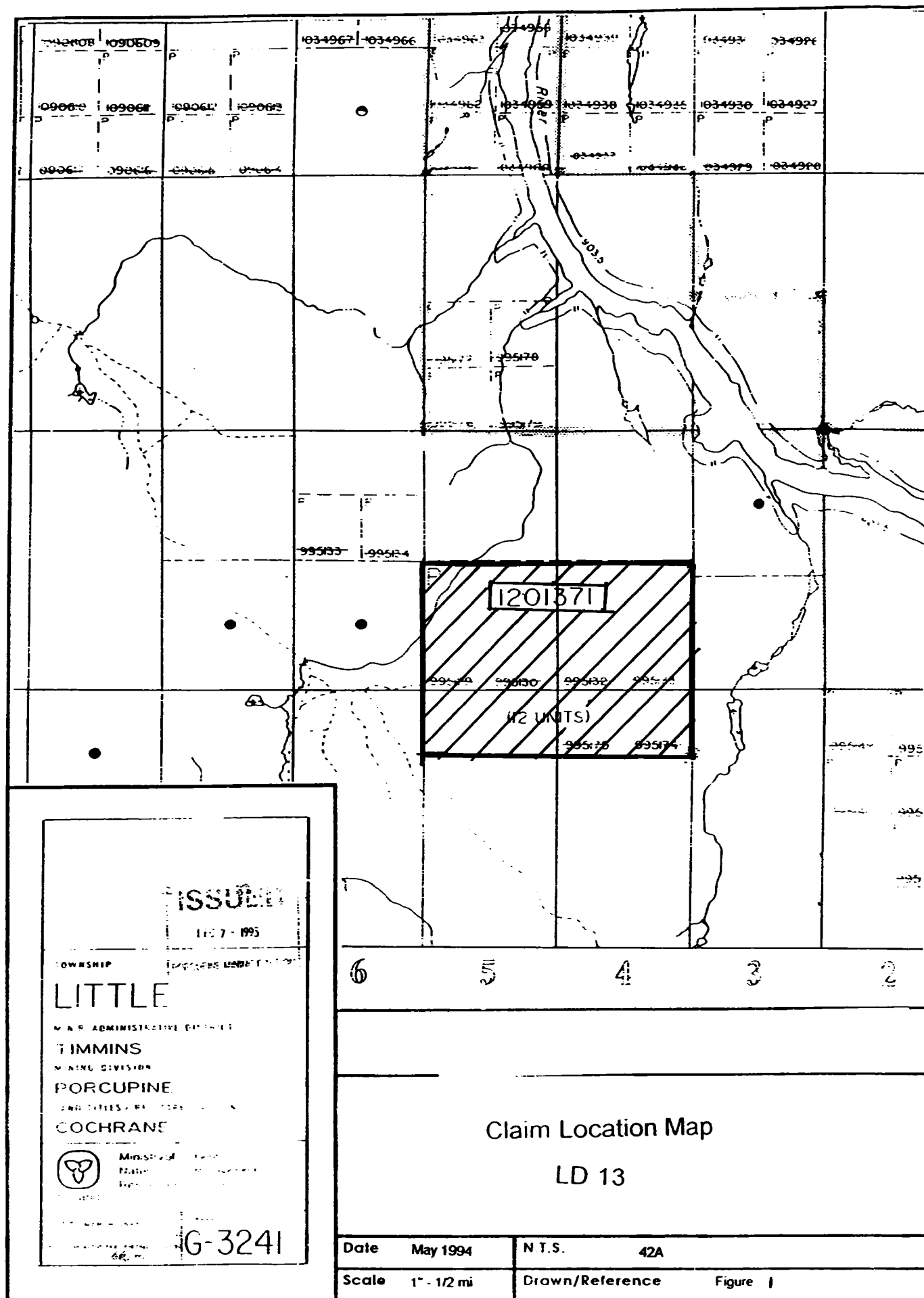
S1/2 of Lot 5, Con II
S1/2 of Lot 4, Con II
N1/2 of N1/2 of Lot 5, Con I
N1/2 of N1/2 of Lot 4, Con I

Claim Map Sheet: G-3241 Little Township
NTS Map Sheet 42A N/E

Latitude and Longitude: (northeast corner of property) UTM Coordinates:
501 800 m E
5 397 600 m N

ACCESS:

The LD 13 claim group is located approximately 25 miles northeast of downtown Timmins, Ontario in Little Township. The LD 13 property is located in the



southeast quadrant of Little Township. Road access is gained by proceeding east from Timmins, Ontario along Hwy. 101 to Hwy. 610 east of Falconbridge's Hoyle metallurgical site. Proceed northeast on Hwy. 610 to the Ice Chisel Lake road. Proceed north on the Ice Chisel Lake road for approximately 12 miles past Ice Chisel Lake turnoff to where a well traveled forest management (FM) road leads east towards the northwest side of Frederick House Lake. Follow this well traveled FM road for approximately 3 miles through a well marked clear cut/tree plantation test area. Stay on the road as it proceeds north from Evelyn Township into Little Township. Follow the forest access road through the clear cut area for approximately 2.5 miles northwesterly to where another bush sandy road leads westerly and then northerly through jackpine and spruce forested area. Stay on the less well traveled road for a 1.25 mile to where a road leading east through heavy brush provides access the property.

GEOLOGY:

The regional geological setting of the LD 13 property is within the Western portion of the Archean Abitibi Greenstone Belt. A major calc-alkaline belt of felsic volcanics lying to the north of the Porcupine-Destor fault are known as the Kidd-Munro and Duff-Coulson-Rand rhyolite assemblages. These felsic volcanic assemblages have been complexly folded into regional syn and anticlinal structures. In addition several regional north-northwest trending faults transect the area. Mineralization within or proximal to the Kidd Creek rhyolite assemblage, and along regional north - northwest trending fault structures, is well known at the Kidd Creek Mine some 15 miles to the west. Flanking these felsic assemblages to the north and south are mafic and ultramafic rocks. Sediments are also found to the south. Deep overburden has presented a challenge to exploration in the region as a whole.

O.G.S. maps 2484 and 2205 are the best available compilations of regional geology.

Bedrock exposures in the immediate area of the property are unknown. Overburden cover appears to be substantial. Geological interpretation relies on drill hole and geophysical information. This property has no known recorded drill hole information. Based on this sparse knowledge the property is likely to be underlain by mafic and/or felsic volcanics, and sediments. The LD 13 property is situated near or straddling the presumed contact between the felsic volcanic assemblages and the mafic to ultramafic rocks to the south. A narrow sedimentary belt is assumed to trend southeasterly along the southern boundary of the property.

TARGETS FOR EXPLORATION:

The commodities and type of deposits sought on the LD 13 property are volcanogenic polymetallic massive sulphides (Cu-Zn-Au-Ag)and; structurally related gold mineralization.

The lack of bedrock exposure due to the heavy overburden in this entire belt, has provided the potential for deposit hideability. It therefore requires the use of deep penetrating geophysical techniques to make deposit discoveries.

PROPERTY HISTORY AND CURRENT EXPLORATION ACTIVITY:

A search of the Porcupine Mining Division assessment files shows work on the LD 13 property has been limited. The Little Township preliminary Map P 2308 confirms that prior to the compilation date of the Map in 1979, although HLEM conductors were located near and/or on the property, no follow up drilling was reported. Work was carried out on or near the property by the following:

McKinnon Prospecting File T- 3205 (1988)
B P Resources T- 2925 (1980's)

Amag, AVLF
Mag, HLEM

Reference to the Timmins Data Series township maps assessment compilations and the Porcupine Mining Division assessment files can be made for greater detail on the above.

The current property holders acquired the LD 13 ground in November 1993. The property hosts AEM conductors which are the subject of the current exploration program.

LINECUTTING:

Linecutting on the LD 13 property consisted of one grid. On the grid 1.4 km of baseline was cut, and 7.7 km of grid lines were established. A total of 9.1 km of linecutting was carried out. The lines were cut, chained, and picketed with stations established every 25 meters. Spacing and orientation of the grid lines were determined to fit the interpreted geological/ geophysical setting in order to recover the known airborne targets. The work was carried out under contract to Native Exploration Services of Ouje Bougamau, P. Q.

See the plans accompanying this report for grid layout.

HLEM GEOPHYSICAL SURVEY:

An Apex Max-Min II electromagnetic horizontal loop unit, with a coil separation of 200 meters was used to survey the grid. (See appendix for instrument specifications.) Survey data was recorded as the in-phase and out-of-phase (quadrature) percentage of primary field and plotted as profiles at a scale of 1 cm = 10%. The HLEM readings were taken at 25 meter station intervals on lines spaced 200 meters apart. A total of 308 stations were utilized in the HLEM survey. Three frequencies were read during the survey: 888 Hz, 1777 Hz, and 3555 Hz. A separate plan was produced for each frequency using a scale of 1:2500 (3 HLEM plans per grid). A total of 7.7 km of HLEM surveying was completed.

The field surveys were carried out under contract to Native Exploration Services. The receiver operator was Mr. Robbie McCormick of 503 First Street, Chibougamau, P. Q. G8P 1K8, and the transmitter operator was Mr. Claude Grenier of 346, 2nd Street, Chibougamau, P. Q. G8P 1M3.

The results of linecutting and geophysical surveys are plotted on the accompanying plans at a scale of 1:2500.

DISCUSSION OF HLEM SURVEY RESULTS:

The HLEM survey of the property resulted in the recovery of one moderate strength conductor.

A well defined conductor axis occurs south of the base line and extends across the entire grid from L 2 + 00 m E / 3 + 75 m S to L 14 + 00 m E / 1 + 25 m S. This conductor is well defined on all three frequencies 888 Hz, 1777 Hz, and on 3555 Hz. The conductor axis trends on an azimuth of 115 degrees and from the in-phase profiles appears to be steeply north dipping to near vertical in orientation. The conductor is characterized by high negative out-of phase readings on the 3555 Hz survey resulting in poor in-phase to out-of-phase ratios, suggesting in part, that conductive overburden overlies a possible bedrock conductor at depth. The in-phase to out-of-phase ratios on the 1777 Hz and 888 Hz frequencies show moderate to good results directly over the conductor axis suggesting a bedrock source. This HLEM conductor is located in an area along the south flank of a weak magnetic trend when correlated to the accompanying Mag survey.

MAG SURVEY:

A Geometrics G-816 total field proton precession magnetometer was used to survey each grid line. (See appendix for specifications.) Check in stations were established along the baseline, and the grid line data was reduced when necessary for diurnal variations. Magnetometer readings were taken at 12.5 meter intervals on the grid lines which were spaced 200 meters apart. A total of 672 survey readings were recorded over 9.1 km of completed mag survey.

The data was plotted at 1:2500 and contoured to show anomalous features at a contour interval of 25nT.

The mag field surveys were carried out under contract to Native Exploration Services. The mag operator was Mr. Robbie McCormick , 503 First Street, Chibougamau, P. Q. G8P 1K8, with assistant, Mr. Claude Grenier, 346 2nd Street, Chibougamau, P. Q. G8P 1M3.

DISCUSSION OF MAG SURVEY RESULTS:

The magnetometer survey of this property was carried out during the summer of 1995. The mag survey resulted in magnetic signature variations from a low of 58 144 nT to a high of 58 237 nT. Over all, the property shows relatively flat variation in the magnetic field. The 58 175 nT contour encloses an area near the base line that indicates a weak positive magnetic high. The HLEM conductor axis parallels the south flank of this weak magnetic trend.

CONCLUSIONS AND RECOMMENDATIONS:

A moderate strength 1.2 km long HLEM conductor was recovered on LD 13 and found to flank the south side of a weak positive magnetic feature. It is recommended that several grid lines over the conductor be check surveyed by Pulse EM, or Time Domaine EM or I.P. to better define this possible HLEM bedrock source.

Drill testing of this conductor is recommended.

CERTIFICATE OF THE AUTHOR

I, Dave Gamble, of 70 First Street, Kirkland Lake, Ontario, P2N 1N3, hereby certify that:

1. I am a geologist residing at the above address.
2. I am a graduate of the University of Ottawa with an Honours B.Sc. degree in geology (1973), and have completed two years leading towards an M.Sc. degree (geology) at Laurentian University (1974-1976).
3. I have practiced my profession for more than 20 years.
4. I have, in conjunction with Sue Gamble, planned, and directed, the geophysical surveys represented in this report; and have, compiled and interpreted the results of this survey.
5. I hold a 50% interest in this property.

Respectfully submitted,



Dave Gamble, B. Sc. (Hon. Geol.)
October 20, 1995

CERTIFICATE OF THE AUTHOR

I, Sue Gamble, of 70 First Street, Kirkland Lake, Ontario, P2N 1N3, certify that:

1. I am a prospector residing at the above address and have held an Ontario Prospector's License since 1979.
2. I am a graduate of the University of Ottawa and Simon Fraser University, and have studied earth science for two years at the University of Ottawa, and for one year at Laurentian University.
3. I have more than 15 years relevant practical experience relating to prospecting and mineral exploration.
4. I have, in conjunction with Dave Gamble, planned, and directed the geophysical surveys represented in this report; and have compiled and interpreted the results of this survey.
5. I hold a 50% interest in this property.

Respectfully Submitted,



Sue Gamble, B. A.,
October 20, 1995

APPENDIX A - Geometrics Portable Proton Magnetometer

Operating Manual
 Model G-816
 Portable Proton Magnetometer

1.0 GENERAL INFORMATION

1.1 INTRODUCTION

The Model G-816 Portable Proton Magnetometer is a complete system designed for all man-carry field applications requiring simple operation and stable measurements of the total intensity of the earth's magnetic field. The G-816 is accurate and stable to within ± 1 gamma over a range from 20,000 to 90,000 gammas. Since the instrument measures total field intensity, the accuracy of each measurement is independent of sensor leveling. Furthermore, the measurement is based upon an atomic constant* and is independent of temperature, humidity, and sensor orientation. The inherent simplicity of the G-816 proton magnetometer allows rapid, accurate measurements to be obtained from a rugged, compact field instrument. This is a precision instrument and reasonable attention must be given to handling, battery condition, and magnetic environment.

1.2 MAGNETIC ENVIRONMENT

It is important that the earth's magnetic field is not obscured by allowing unwanted magnetic objects to come close to the sensor. Such objects include rings, keys, watches, belt buckles, pocket knives, metal pencils, zippers, some hats, etc. When the sensor is used on the staff, 1 gamma surveys are easily performed provided the sensor is kept at a distance of 3 feet from the operator. When the sensor is used in the backpack, certain articles of clothing and some types of batteries within the console will cause a 5 to 10 gamma shift in readings. The G-816, however, still provides 1 gamma sensitivity and repeatability despite the presence of such a base line shift. The backpack feature is recommended for use in difficult terrain where "hands free" operation is required.

Prior to survey use, objects that are suspected to be magnetic may be checked in the following manner:

1. Attach sensor to staff and connect coiled signal cable to console. Sensor should not be moved or turned during the test, and the suspected article should be far away initially.

* Proton Gyromagnetic Ratio: $(2.67513 \pm 0.00002) \times 10^4$ Radians/Gauss second.

Operating Manual
 Model G-816
 Portable Proton Magnetometer

2. Cycle the magnetometer a few times by depressing the READ button--releasing--and waiting for a reading each cycle.
3. Observe measurement readings. Each reading should repeat to ± 1 gamma. (A slow shift may occur over several minutes due to a diurnal change in the earth's field.)
4. Place the suspected article at the distance from the sensor expected during actual survey operation.
5. Cycle magnetometer several times and note the readings.
6. Remove the article and repeat steps 2 and 3 to check for diurnal shifts in the earth's field. If a diurnal shift is present, repeat entire test.
7. If the readings obtained in step 5 differ by more than ± 1 gamma (\pm one count) from those obtained in steps 3 and 6, then the article is magnetic.

IF THE ARTICLE IS HIGHLY MAGNETIC, OR IF THE SENSOR IS INSIDE OR NEAR A BUILDING OR VEHICLE, THE PROTON PRE-CESSION SIGNAL WILL BE LOST, GIVING COMPLETELY ERRATIC READINGS AND LOSS OF ± 1 COUNT REPEATABILITY.

The magnetometer should not be operated in areas that are known sources of radio frequency energy, power line noise (transformers), in buildings or near highly magnetic objects. The sensor should always be placed on the staff above the ground, or in the "backpack". The sensor will NOT operate properly when placed directly on the ground.

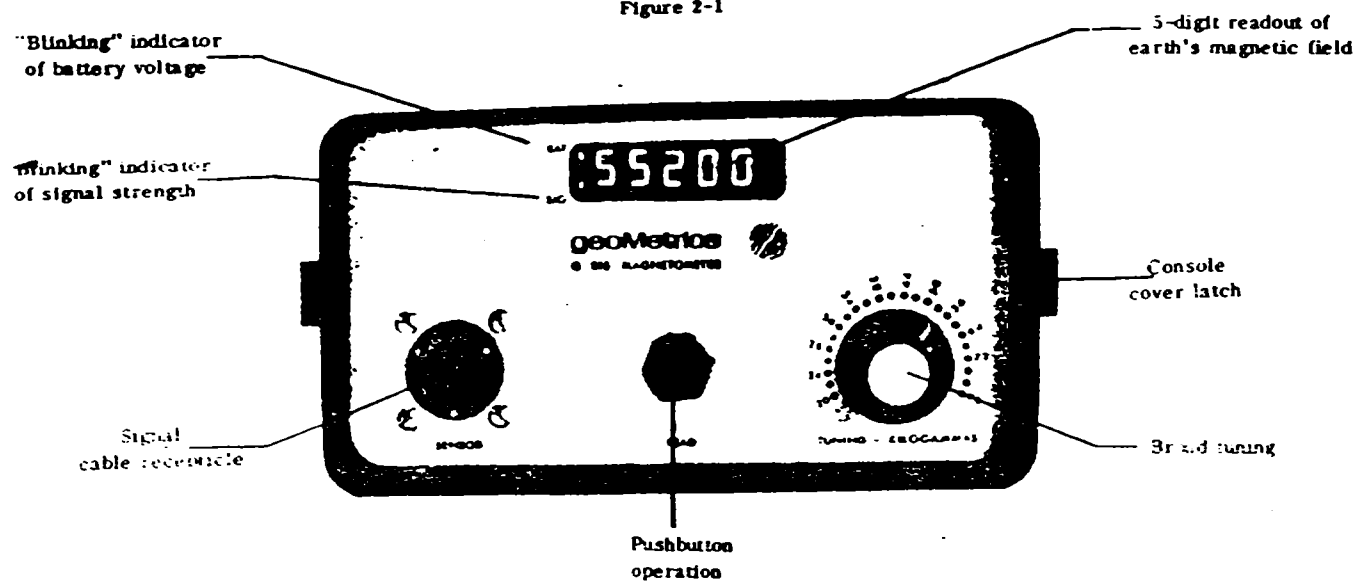
1.3 SPECIFICATIONS

Sensitivity:	± 1 gamma throughout range
Range:	20,000 to 90,000 gammas (worldwide)
Tuning:	Multi-position switch with signal amplitude indicator light on display
Gradient Tolerance:	Exceeds 800 gammas/ft
Sampling Rate:	Manual pushbutton, one reading each 6 seconds.

Output:	5 digit numeric display with readout directly in gammas															
Power Requirements:	Twelve self-contained 1.5 volt "D" cell universally available flashlight-type batteries. Charge state or replacement signified by flashing indicator light on display.															
Temperature Range:	Console and sensor: -40° to $+85^{\circ}$ C Battery pack: 0° to $+50^{\circ}$ C (limited use to -15° C; lower temperature battery belt operation - optional)															
Accuracy (Total Field):	± 1 gamma through 0° to $+50^{\circ}$ C temperature range															
Sensor:	High signal, noise cancelling, interchangeably mounted on separate staff or attached to back pack															
Size:	Console: 3.5 x 7 x 11 inches (9 x 18 x 28 cm) Sensor: 3.5 x 5 inches (9 x 13 cm) Staff: 1 inch diameter x 3 ft. length (3 cm x 2.5 m)															
Weight:	<table border="0"> <tr> <td></td> <td>Lbs.</td> <td>Kgs.</td> </tr> <tr> <td>Console (w/batteries):</td> <td>5.5</td> <td>2.5</td> </tr> <tr> <td>Sensor and signal cable:</td> <td>4</td> <td>1.8</td> </tr> <tr> <td>Aluminum staff:</td> <td><u>2</u></td> <td><u>.9</u></td> </tr> <tr> <td></td> <td>11.5</td> <td>5.2</td> </tr> </table>		Lbs.	Kgs.	Console (w/batteries):	5.5	2.5	Sensor and signal cable:	4	1.8	Aluminum staff:	<u>2</u>	<u>.9</u>		11.5	5.2
	Lbs.	Kgs.														
Console (w/batteries):	5.5	2.5														
Sensor and signal cable:	4	1.8														
Aluminum staff:	<u>2</u>	<u>.9</u>														
	11.5	5.2														

CONTROLS AND INDICATORS

Figure 2-1



APPENDIX B. APEX - Max-Min II

APEX

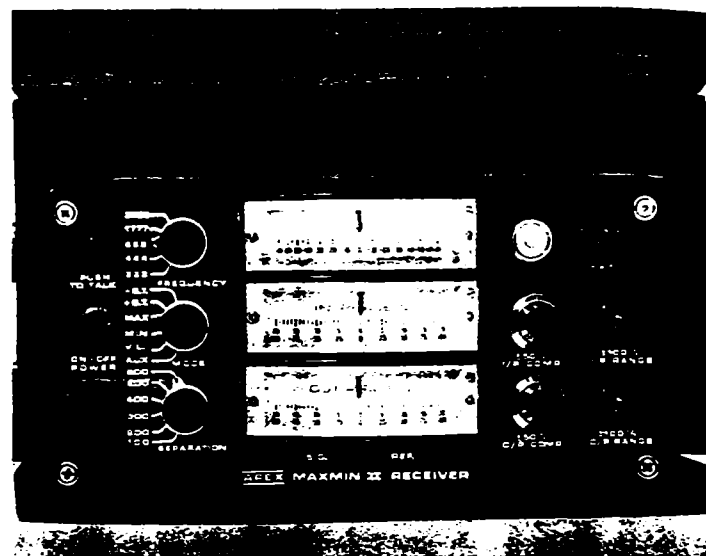
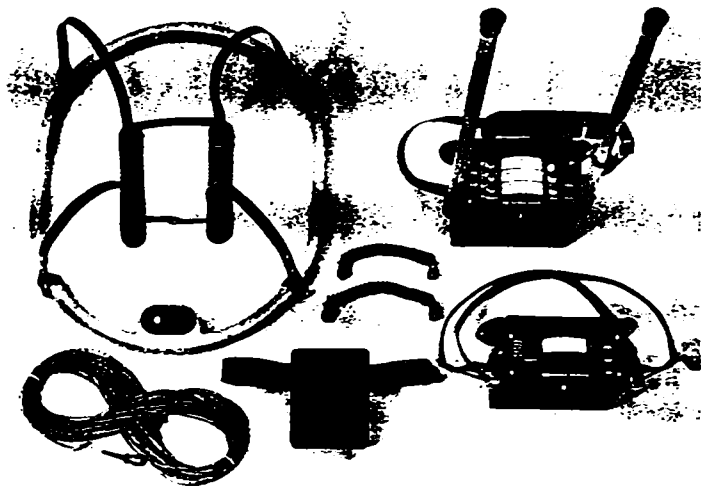
MAXMIN II PORTABLE EM

Cables 250m, 150m, 125m, 100m, 50m, 50m, 200m

- Five frequencies: 222, 444, 888, 1777 and 3555 Hz.
- Maximum coupled (horizontal-loop) operation with reference cable.
- Minimum coupled operation with reference cable.
- Vertical-loop operation without reference cable.
- Coil separations: 25, 50, 100, 150, 200 and 250 m (with cable) or 100, 200, 300, 400, 600 and 800 ft.
- Reliable data from depths of up to 180m (600 ft).
- Built-in voice communication circuitry with cable.
- Tilt meters to control coil orientation.

NOW ALSO ±4%
QUADRATURE
FULL SCALE.





SPECIFICATIONS :

Frequencies:	222, 444, 888, 1777 and 3555 Hz.	Repeatability:	±0.25% to ±1% normally, depending on conditions, frequencies and coil separation used.
Modes of Operation:	<p>MAX: Transmitter coil plane and receiver coil plane horizontal (Max-coupled; Horizontal-loop mode). Used with reference cable.</p> <p>MIN: Transmitter coil plane horizontal and receiver coil plane vertical (Min-coupled mode). Used with reference cable.</p> <p>V.L.: Transmitter coil plane vertical and receiver coil plane horizontal (Vertical-loop mode). Used without reference cable, in parallel lines.</p>	Transmitter Output:	<ul style="list-style-type: none"> - 222 Hz : 220 Atm² - 444 Hz : 200 Atm² - 888 Hz : 120 Atm² - 1777 Hz : 60 Atm² - 3555 Hz : 30 Atm²
Coil Separations:	25, 50, 100, 150, 200 & 250m (MMI) or 100, 200, 300, 400, 600 and 800 ft. (MMIF). Coil separations in VL mode not restricted to fixed values.	Receiver Batteries:	9V trans. radio type batteries (4). Life: approx. 35 hrs. continuous duty (alkaline, 0.5 Ah), less in cold weather.
Parameters Read:	<ul style="list-style-type: none"> - In-Phase and Quadrature components of the secondary field in MAX and MIN modes. - Tilt-angle of the total field in VL mode. 	Transmitter Batteries:	12V 6Ah Gel-type rechargeable battery. (Charger supplied).
Readouts:	<ul style="list-style-type: none"> - Automatic, direct readout on 90mm (3.5") edgewise meters in MAX and MIN modes. No nulling or compensation necessary. - Tilt angle and null in 90mm edgewise meters in VL mode. 	Reference Cable:	Light weight 2-conductor teflon cable for minimum friction. Unshielded. All reference cables optional at extra cost. Please specify.
Scale Ranges:	<p>In-Phase: ±20%, ±100% by push-button switch.</p> <p>Quadrature: ±20%, ±100% by push-button switch.</p> <p>Tilt: ±75% slope.</p> <p>Null (VL): Sensitivity adjustable by separation switch.</p>	Voice Link:	Built-in intercom system for voice communication between receiver and transmitter operators in MAX and MIN modes, via reference cable.
Readability:	In-Phase and Quadrature: 0.25% to 0.5% ; Tilt: 1%.	Indicator Lights:	Built-in signal and reference warning lights to indicate erroneous readings.
		Temperature Range:	-40°C to +60°C (-40°F to +140°F).
		Receiver Weight:	6kg (13 lbs.)
		Transmitter Weight:	13kg (29 lbs.)
		Shipping Weight:	Typically 60kg (135 lbs.), depending on quantities of reference cable and batteries included. Shipped in two field/shipping cases.

Specifications subject to change without notification.

APEX

PARAMETRICS LIMITED

200 STEELCASE RD. E., MARKHAM, ONT., CANADA, L3R 1G2

Phone: (416) 495-1612

Cables: APEXPARA TORONTO

Telex: ~~0005008 NEMOVLKXORUMBER~~
06-966775 APEXPARA MKHM

COST STATEMENT SUMMARY

PROPERTY LD 13 MINING CLAIM P 1201371 (12 units) :

DIRECT COSTS:

CONTRACT FIELD WORK:

LINECUTTING 9.1 km @ 225.00/km July /95	2047.50	
MAG SURVEY 9.1 km @ 85.00/km Aug 18, 19 / 95	773.50	
HLEM SURVEYS 7.7 km @ 150.00/km Aug 20, 21 / 95	<u>1155.00</u>	
	3976.00	
7% GST	<u>278.32</u>	
	<u>4254.32</u>	4254.32

FIELD SUPERVISION:

DAVE GAMBLE, Geologist - Project Manager On site Supervision of contract crews for linecutting and geophysical surveys, grid layout, etc. 6.25 days @ 325.00 / day	2031.25	
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OFFICE WORK:

SUE GAMBLE, 6.0 days drafting, 2 days collating reports, prints, wordprocessing, corrections, 8.0 days @ 200.00/day	1600.00	
DAVE GAMBLE, 2 days, report writing, 1 day, mag contouring and HLEM interpretation 3 days @ 325.00	<u>975.00</u>	
	4606.25	4606.25

SUPPLIES:

FIELD: - geophysical equipment batteries and minor repairs, fire extinguishers prorated from 9 properties, OFFICE:- mylar, prints, report copies, report covers	89.67	
	<u>99.00</u>	
	188.67	188.67

INDIRECT COSTS:

Freight for supplies	23.23	
Transportation 1913 km @ .31/km	<u>593.03</u>	
	616.26	<u>616.26</u>

TOTAL AMOUNT TO BE APPLIED **9665.50**



NATIVES EXPLORATION SERVICES

CLAIMSTAKING - LINE CUTTING

GEOPHYSICAL SURVEYS

Sam. R. Bosum



207 Opemiska St., Ouje-Bougoumou, Québec G0W 3C0
Tél.: (418) 745-3228 - Fax: (418) 745-2510

December 12, 1994

DAVE GAMBLE
70 First Street
Kirkland Lake, Ontario
P2N 1N3

94-45

ATTENTION: D. GAMBLE

PROJECT: LITTLE DUFF, TIMMINS, ONTARIO
GRIDS. No. 1,2,9, 10/18, 12/20

BL. 5.4 c 225.00	\$ 1,215.00
XL. 22.50 c 215.00	<u>4,837.50</u>
	\$ 6,052.50

G.S.T. 7%

	<u>423.67</u>
	\$ 6,476.17

*Rd Dec 15/94
ASJ*


Sam R. Bosum
Native Exploration Services



NATIVES EXPLORATION SERVICES

CLAIMSTAKING - LINE CUTTING

GEOPHYSICAL SURVEYS

Sam. R. Bosum

207 Opemiska St., Ouje-Bougoumou, Québec G0W 3C0

Tél.: (418) 745-3228 - Fax: (418) 745-2510

January 19, 1995

S. GAMBLE
70 First Street
Kirkland Lake (Ontario)
P2N 1N3

Invoice# 95-03
GST# 124194119

ATTENTION S. GAMBLE:

Project: Little / Duff Geophysical Surveys, Timmins (Ontario)
Grid # 12/20 - 18/10 1, II.

Max-Min	H.L.E.M.	And Magnetometer Survey	
E.M.	18.60KM	C 150.00/Km	2,790.00
Mag	25.80 22.1	C 85.00/KM	1270.50 2,193.00
		Sub Total:	4165.50 \$ 4,983.00
		GST 7%	320.80 348.81
		QST 6.5%	1195.30 5,331.81
		Max-Min Battery	96.60
		Total:	5091.90 5,428.41
		Advance to Robbie	250.00
		Balance:	4181.90 5,178.41


Samuel R. Bosum
Natives Exploration Services



NATIVES EXPLORATION SERVICES

CLAIMSTAKING - LINE CUTTING

GEOPHYSICAL SURVEYS

Sam. R. Bosum

207, Opemiska Street, Ouje-Bougourou, Québec G0W 3C0

Tel.: (418) 745-3228 Fax: (418) 745-2510

July 18, 1995

S. Gamble
70 First Street
Kirkland Lake (Ontario)
P2N 1N3

Invoice
#95-25

ATTENTION: S. Gamble

PROJECT: Little/Duff Linecutting, Timmins Ontario
Grids LD4-LD13-LD17-LD24-LD23

36.75 Km @ 225.00

~~37.1 km @ 225.00~~

G.S.T. 7%

Advance to W. Cooper

\$ 8,347.50

584.32

\$ 8,931.82

300.00

\$ 8,631.82

8268.75

570.81

8847.56

- 300.00

8547.56

*Pd July 20/95
RAB*

Sam R. Bosum
Natives Exploration Services



NATIVES EXPLORATION SERVICES

CLAIMSTAKING - LINE CUTTING

GEOPHYSICAL SURVEYS

Sam. R. Bosum

207 Opemiska Street, Ouje-Bougouou, Que. G0W 3C0
 Tel: (418)-745-2632 Fax: (418)-745-2638

September 11, 1995

S. Gamble
 70 First Street
 Kirkland Lake (Ontario)
 P2N 1N3

Invoice#95-35
 GST#124194119

ATTENTION S.GAMBLE:

PROJECTS LITTLE/DUVFF

Max-Min	31.3	<i>31.075 km</i>	C 150.00/Km	\$ 4,695.00	<i>4661.25</i>
Mag	47.60	<i>41.225 km</i>	C 85.00/Km	4,045.00	<i>3504.13</i>
			Sub Total:	\$ 8,741.00	<i>8165.38</i>
			GST 7%	611.87	<i>571.58</i>
			Total	\$ 9,352.87	<i>8736.96</i>
			Advance to Robbie	600.00	<i>(-600.00)</i>
			Total:	\$ 8,752.87	<i>8136.96</i>

QST 0 Ontario

*Pd Sep 25/95
 RB*

SRB

Samuel R. Bosum
 Natives Exploration Services



Report of Work Conducted After Recording Claim

Mining Act

Transaction Number
W9560.00481

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

2.16350

- Instructions:
- Please type or print and submit in duplicate.
 - Refer to the Mining Act and Regulations for re Recorder.
 - A separate copy of this form must be complete
 - Technical reports and maps must accompany
 - A sketch, showing the claims the work is assigned



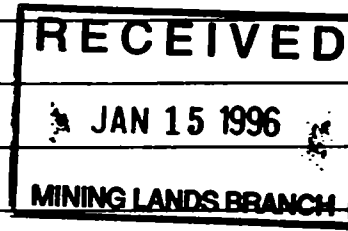
42A10NW0036 2 16350 LITTLE

900

Recorded Holder(s) DAVID A. D. GAMBLE SUSAN A. GAMBLE		Client No. CN 134798 CN 134837
Address 70 FIRST ST, KIRKLAND LAKE, ONT P2N1N3		Telephone No. 705-567-4381
Mining Division PORCUPINE	Township/Area LITTLE	M or G Plan No. G 3241
Date Work Performed From: MAY 16 1995		To: OCT 24, 1995

Work Performed (Check One Work Group Only)

Work Group	Type
<input checked="" type="checkbox"/> Geotechnical Survey	LINECUTTING, MAG & HLEM GEOPHYSICAL 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 \$ **9665.50**

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
DAVID A. D. GAMBLE } AUTHORS SUSAN A. GAMBLE }	- 70 FIRST ST., KIRKLAND LAKE, ONT P2N1N3
NATIVES EXPLORATION SERVICES	- 207 OPENISKA ST, OUTE-BOUGOUMOU, QUE G0W3C0
- ROBBIE MCCORMICK	- 503 1ST ST., CHIBOUGAMAU, QUE, G8P1K8
- CLAUDE GRENIER	- 346 2ND ST., CHIBOUGAMAU, QUE. G8P1M3

(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 OCT 25, 1995	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 DAVID A. D. GAMBLE, 70 FIRST ST., KIRKLAND LAKE, ONT P2N1N3		
Telephone No. 705-567-4381	Date OCT 25, 1995	Certified By (Signature) <i>[Signature]</i>

For Office Use Only

Total Value Cr. Recorded 9666	Date Recorded	Mining Recorder No. DATEP. <i>[Signature]</i>	RECEIVED OCT 27 1995 19.00 PORCUPINE MINING DIVISION
	Deemed Approval Date Jan. 25/96	Date Approved <i>[Signature]</i>	
	Date/Notice for Amendments Sent		

Work Report Number for Applying Reserve	Claim Number (see Note 2)	Number of Claim Units
	P/220/371	12
Total Number of Claims		1

Value of Assessment Work Done on this Claim	Value Applied to this Claim
9666	9666
Total Value Work Done	
9666	9666
Total Value Work Applied	

Value Assigned from this Claim	Reserve: Work to be Claimed at a Future Date
Total Assigned From	
Total Reserve	

Credits you are claiming in this report may be cut back. In order to minimize the adverse effects of such deletions, please indicate from which claims you wish to prioritize the deletion of credits. Please mark (✓) one of the following:

- Credits are to be cut back starting with the claim listed last, working backwards.
- Credits are to be cut back equally over all claims contained in this report of work.
- Credits are to be cut back as prioritized on the attached appendix.

In the event that you have not specified your choice of priority, option one will be implemented.

Note 1: Examples of beneficial interest are unrecorded transfers, option agreements, memorandum of agreements, etc., with respect to the mining claims.

Note 2: If work has been performed on patented or leased land, please complete the following:

I certify that the recorded holder had a beneficial interest in the patented or leased land at the time the work was performed.	Signature	Date
---	-----------	------



Personal information collected on this form is obtained under the authority of the Mining Act. This information will be used to maintain a record and ongoing status of the mining claim(s). Questions about this collection should be directed to the Provincial Manager, Minings Lands, Ministry of Northern Development and Mines, 4th Floor, 159 Cedar Street, Sudbury, Ontario P3E 6A5, telephone (705) 670-7264.

Les renseignements personnels contenus dans la présente formule sont recueillis en vertu de la Loi sur les mines et serviront à tenir à jour un registre des concessions minières. Adresser toute question sur la collecte de ces renseignements au chef provincial des terrains miniers, ministère du Développement du Nord et des Mines, 159, rue Cedar, 4^e étage, Sudbury (Ontario) P3E 6A5, téléphone (705) 670-7264.

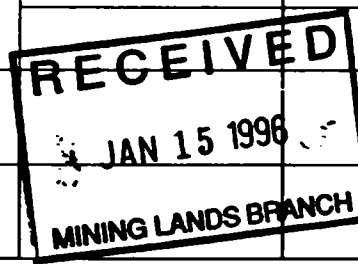
1. Direct Costs/Coûts directs

Type	Description	Amount Montant	Totals Total global
Wages Salaires	Labour Main-d'oeuvre		
	Field Supervision Supervision sur le terrain		
Contractor's and Consultant's Fees Droits de l'entrepreneur et de l'expert- conseil	Type LINECUTTING GEOPHYSICAL SURVEYS PROJECT MANAGEMENT & REPORTS	4254.32 4606.25	
			8860.57
Supplies Used Fournitures utilisées	Type FIELD & OFFICE	188.67	
			188.67
Equipment Rental Location de matériel	Type		
Total Direct Costs Total des coûts directs			9049.24

2. Indirect Costs/Coûts indirects

** Note: When claiming Rehabilitation work Indirect costs are not allowable as assessment work.
Pour le remboursement des travaux de réhabilitation, les coûts indirects ne sont pas admissibles en tant que travaux d'évaluation.

Type	Description	Amount Montant	Totals Total global
Transportation Transport	Type TRUCK - KMS	593.03	
	FREIGHT	23.23	
			616.26
Food and Lodging Nourriture et hébergement			
Mobilization and Demobilization Mobilisation et démobilisation			
Sub Total of Indirect Costs Total partiel des coûts indirects			616.26
Amount Allowable (not greater than 20% of Direct Costs) Montant admissible (n'excédant pas 20 % des coûts directs)			
Total Value of Assessment Credit (Total of Direct and Allowable Indirect costs)			9665.50



Note: The recorded holder will be required to verify expenditures claimed in this statement of costs within 30 days of a request for verification. If verification is not made, the Minister may reject for assessment work all or part of the assessment work submitted.

Note : Le titulaire enregistré sera tenu de vérifier les dépenses demandées dans le présent état des coûts dans les 30 jours suivant une demande à cet effet. Si la vérification n'est pas effectuée, le ministre peut rejeter tout ou une partie des travaux d'évaluation présentés.

Filing Discounts

1. Work filed within two years of completion is claimed at 100% of the above Total Value of Assessment Credit.
2. Work filed three, four or five years after completion is claimed at 50% of the above Total Value of Assessment Credit. See calculations below:

Total Value of Assessment Credit	Total Assessment Claimed
	x 0.50 =

Remises pour dépôt

RECEIVED stamp: RECEIVED JAN 15 1996 MINING LANDS BRANCH

Les travaux déposés trois, quatre ou cinq ans après leur achèvement sont remboursés à 50% de la valeur totale du crédit d'évaluation susmentionné. Voir les calculs ci-dessous.

Valeur totale du crédit d'évaluation	Évaluation totale demandée
	x 0.50 =

Certification Verifying Statement of Costs

I hereby certify:
that the amounts shown are as accurate as possible and these costs were incurred while conducting assessment work on the lands shown on the accompanying Report of Work form
that as DAVE GAMBLE
RECORDED HOLDER I am authorized
(Recorded Holder, Agent, Position in Company)

to make this certification

Attestation de l'état des coûts

J'atteste par la présente :
que les montants indiqués sont le plus exact possible et que ces dépenses ont été engagées pour effectuer les travaux d'évaluation sur les terrains indiqués dans la formule de rapport de travail ci-joint.
Et qu'à titre de _____ je suis autorisé
(titulaire enregistré, représentant, poste occupé dans la compagnie)

à faire cette attestation.

Signature: [Signature] Date: OCT 25/95

Ministry of
Northern Development
and Mines

Ministère du
Développement du Nord
et des Mines

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

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

Our File: 2.16350
Transaction #: W9560.00481

January 30, 1996

Mining Recorder
Ministry of Northern Development & Mines
60 Wilson Avenue, 1st Floor
Timmins, Ontario
P4N 2S7

Dear Sir:

**RE: APPROVAL OF ASSESSMENT WORK SUBMITTED ON MINING CLAIM
P.1201371 IN LITTLE TOWNSHIP**

A Notice of Deficiency was not issued on this Report of Work prior to the 90 day deemed approval date and as outlined in subsection 6(5) of the Mining Act Regulations this Report of Work is deemed approved as of JANUARY 25, 1996.

If you require further information please contact Lucille Jerome at (705) 670-5858.

Yours sincerely,
ORIGINAL SIGNED BY:



Ron C. Gashinski
Senior Manager, Mining Lands Section
Mining and Land Management Branch
Mines and Minerals Division

 LJ/jl
Enclosure:

cc: Resident Geologist
Timmins, Ontario

✓ Assessment Files Office
Sudbury, Ontario

REFERENCES

AREAS WITHDRAWN FROM DISPOSITION

- M.R.O. - MINING RIGHTS ONLY
- S.R.O. - SURFACE RIGHTS ONLY
- M.+S. - MINING AND SURFACE RIGHTS

Description Order No. Date Disposition File

ISSUED

JAN 12 1986

PORCUPINE MINING DIVISION

W 9560.00481

SAND AND GRAVEL

- (1) GRAVEL FILE NO. H7920
- (2) GRAVEL FILE NO. H7919
- (3) GRAVEL FILE NO. H7341

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.

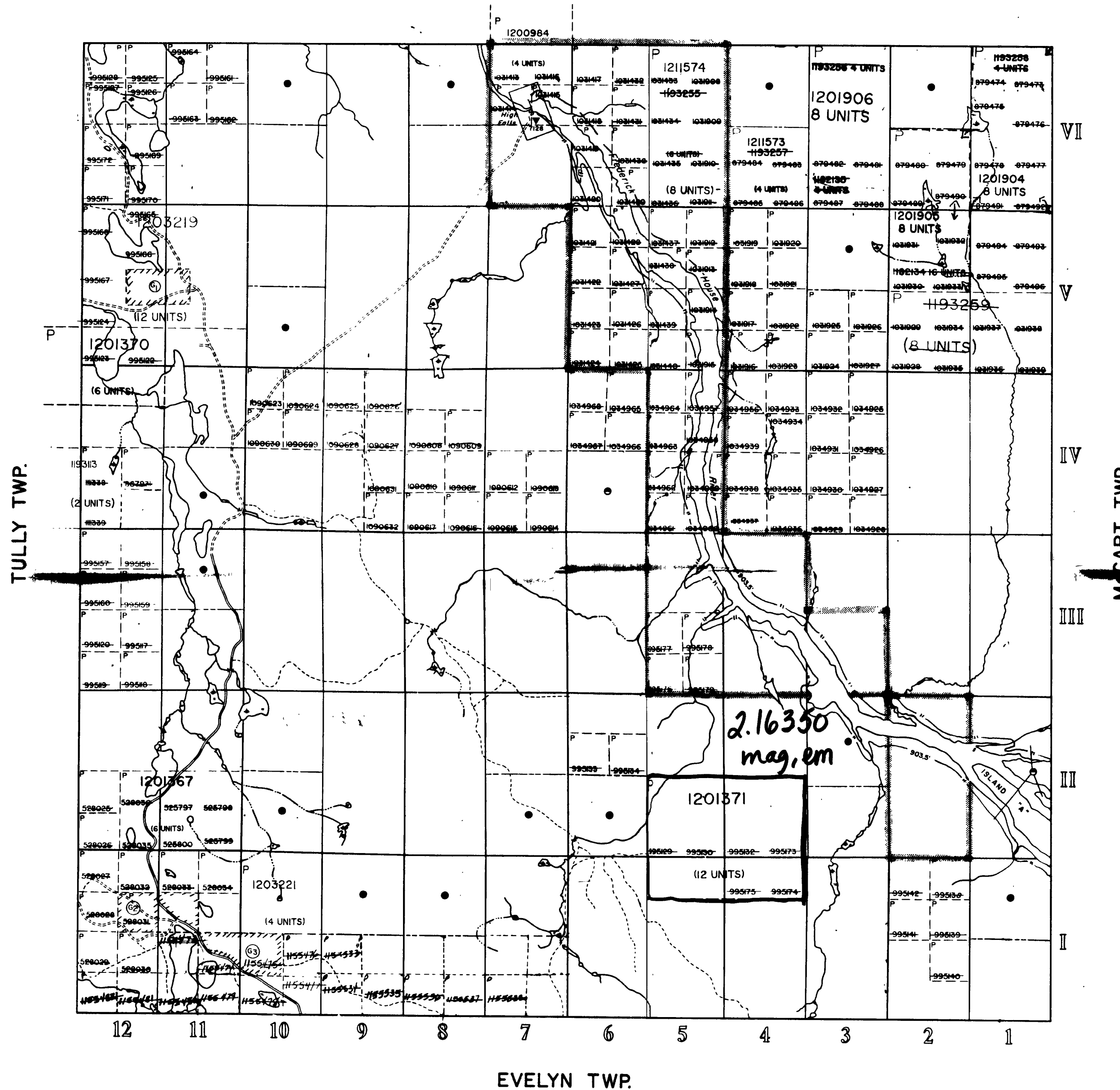
NOTES

- (F) THIS TWP. IS SUBJECT TO FOREST ACTIVITIES IN 1982/83 FURTHER INFORMATION AVAILABLE ON FILE.
- (D) THIS TWP. IS SUBJECT TO FOREST ACTIVITIES IN 1994/95 FURTHER INFORMATION AVAILABLE ON FILE.

AREA RESERVED TO ONTARIO HYDRO FOR WATERPOWER PURPOSES SHOWN THUS

FLOODING RIGHTS TO CONTOUR 903.5' ON LANDS BORDERING FREDERICK HOUSE RIVER RESERVED TO ONTARIO HYDRO

MANN TWP.



LEGEND

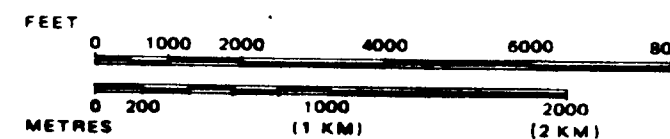
- HIGHWAY AND ROUTE No.
- OTHER ROADS
- TRAILS
- SURVEYED LINES:
 - TOWNSHIPS, BASE LINES, ETC.
 - LOTS, MINING CLAIMS, PARCELS, ETC.
- UNSURVEYED LINES:
 - LOT LINES
 - PARCEL BOUNDARY
 - MINING CLAIMS ETC.
- RAILWAY AND RIGHT OF WAY
- UTILITY LINES
- NON-PERENNIAL STREAM
- FLOODING OR FLOODING RIGHTS
- SUBDIVISION OR COMPOSITE PLAN
- RESERVATIONS
- ORIGINAL SHORELINE
- 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-COUNCIL	OC
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 INCH = 40 CHAINS



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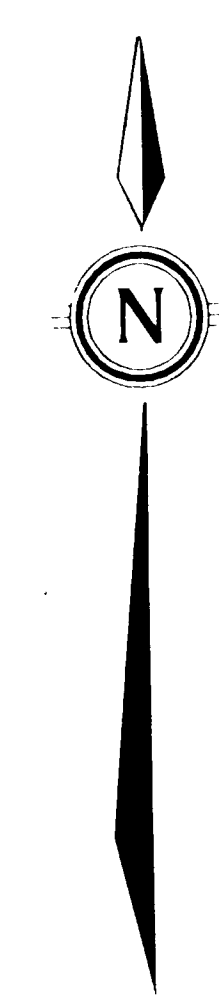
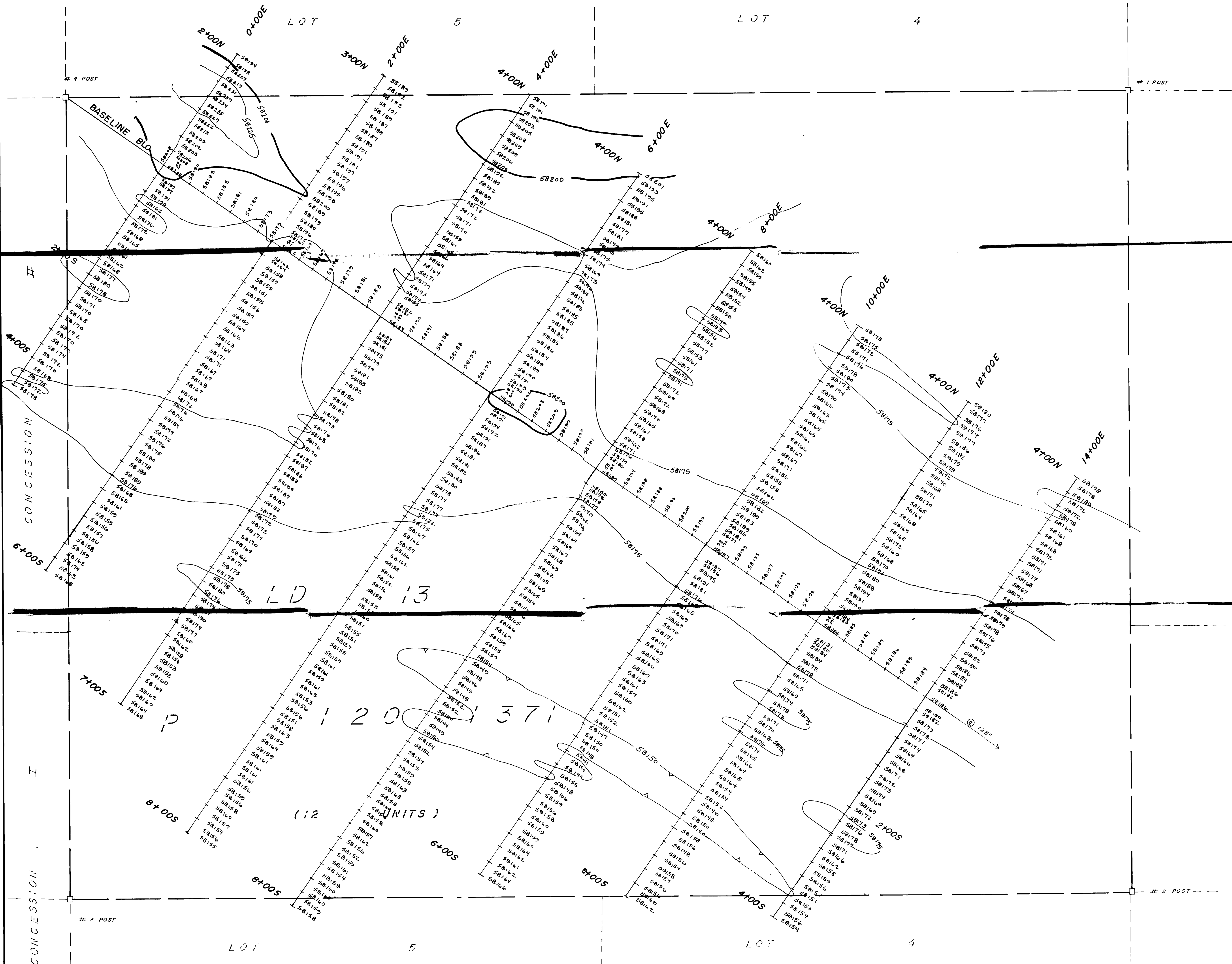
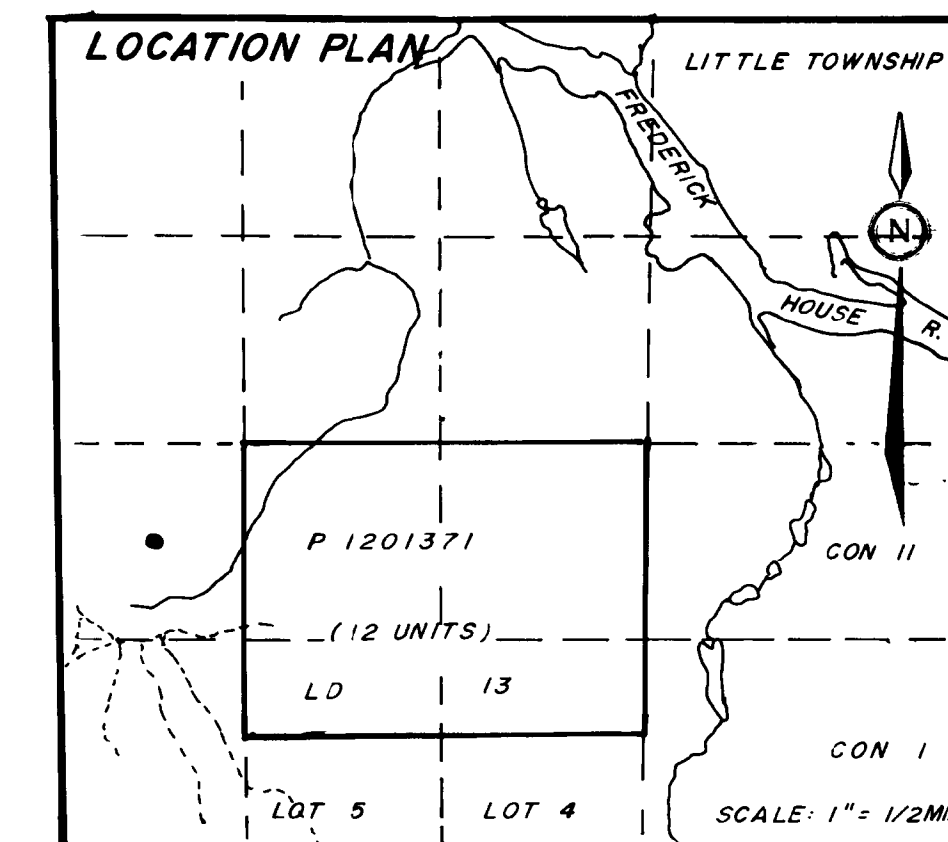
TOWNSHIP
LITTLE
M.N.R. ADMINISTRATIVE DISTRICT
TIMMINS
MINING DIVISION
PORCUPINE 16350
LAND TITLES / REGISTRY DIVISION
COCHRANE

Ministry of Land
Natural Resources Management
Ontario Resources Branch

Date MARCH, 1985 Number
PLACED ON ACTIVE FILE, CHECKED 20/03/90
88/mc **G-3241**

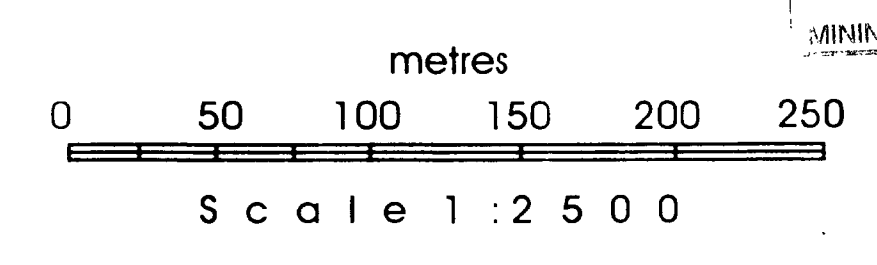


42A10W0038 2.16350 LITTLE



2.16350

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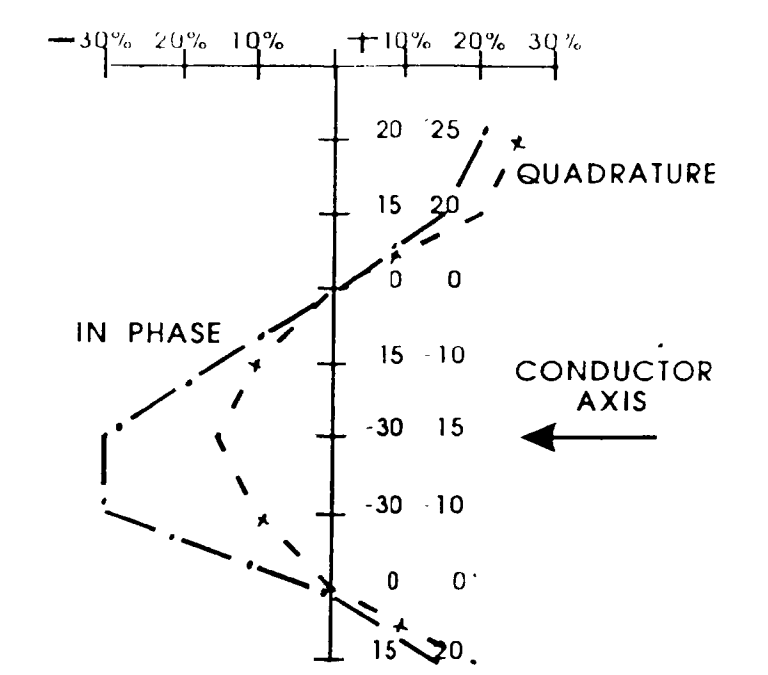
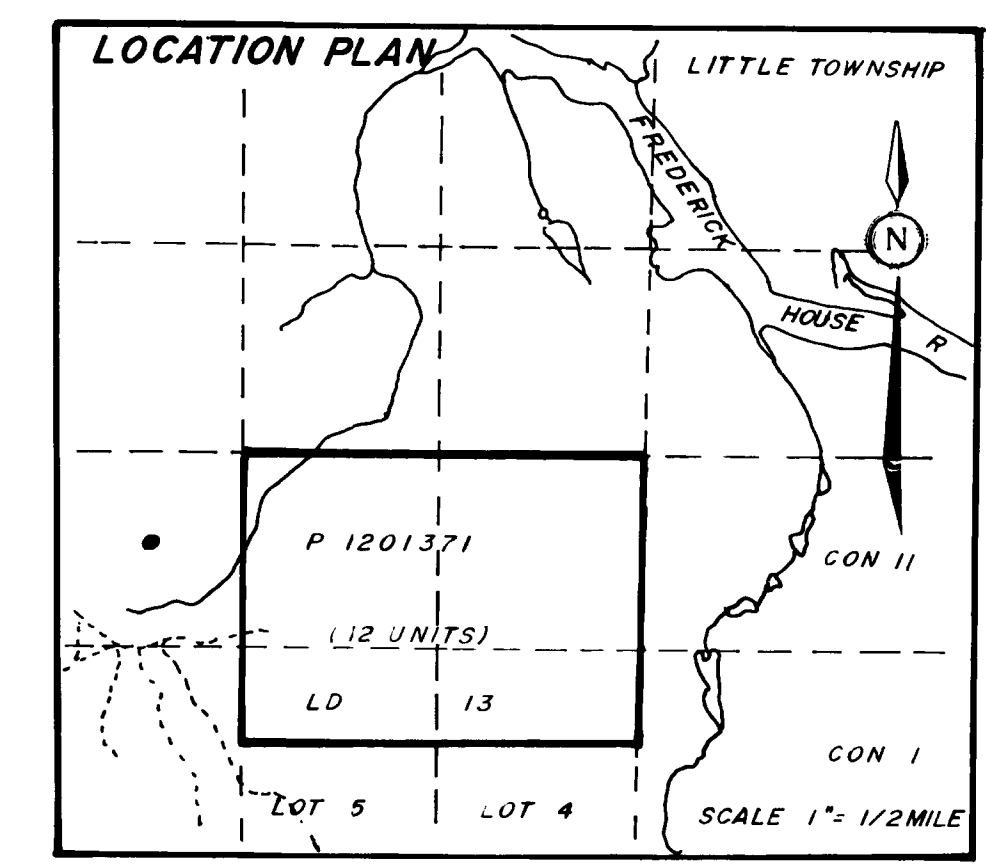
LEGEND

INSTRUMENT GEOMETRICS G 816 MAGNETOMETER
 TOTAL MAGNETIC FIELD READINGS POSTED AT EACH STATION, e.g. 58,275 nT
 CONTOUR INTERVAL 25nT

GRID LD 13
Mining Claim P 1201371
GROUND MAGNETOMETER SURVEY
LITTLE TOWNSHIP

Scale 1:2500	N.T.S. 42A/10	Reference
Date 1995	Drawn By: <i>[Signature]</i> SUE GAMBLE	<i>[Signature]</i>

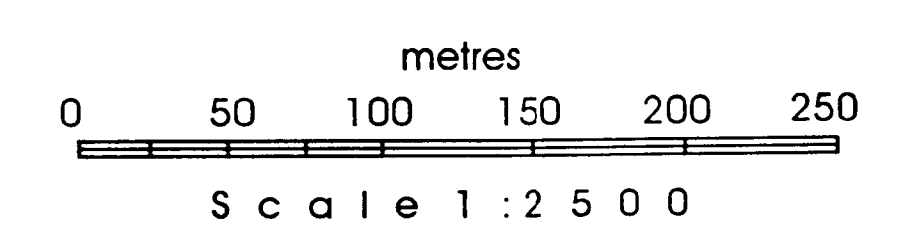




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 2-10350
 JAN 15 1996
 MINING LANDS BRANCH

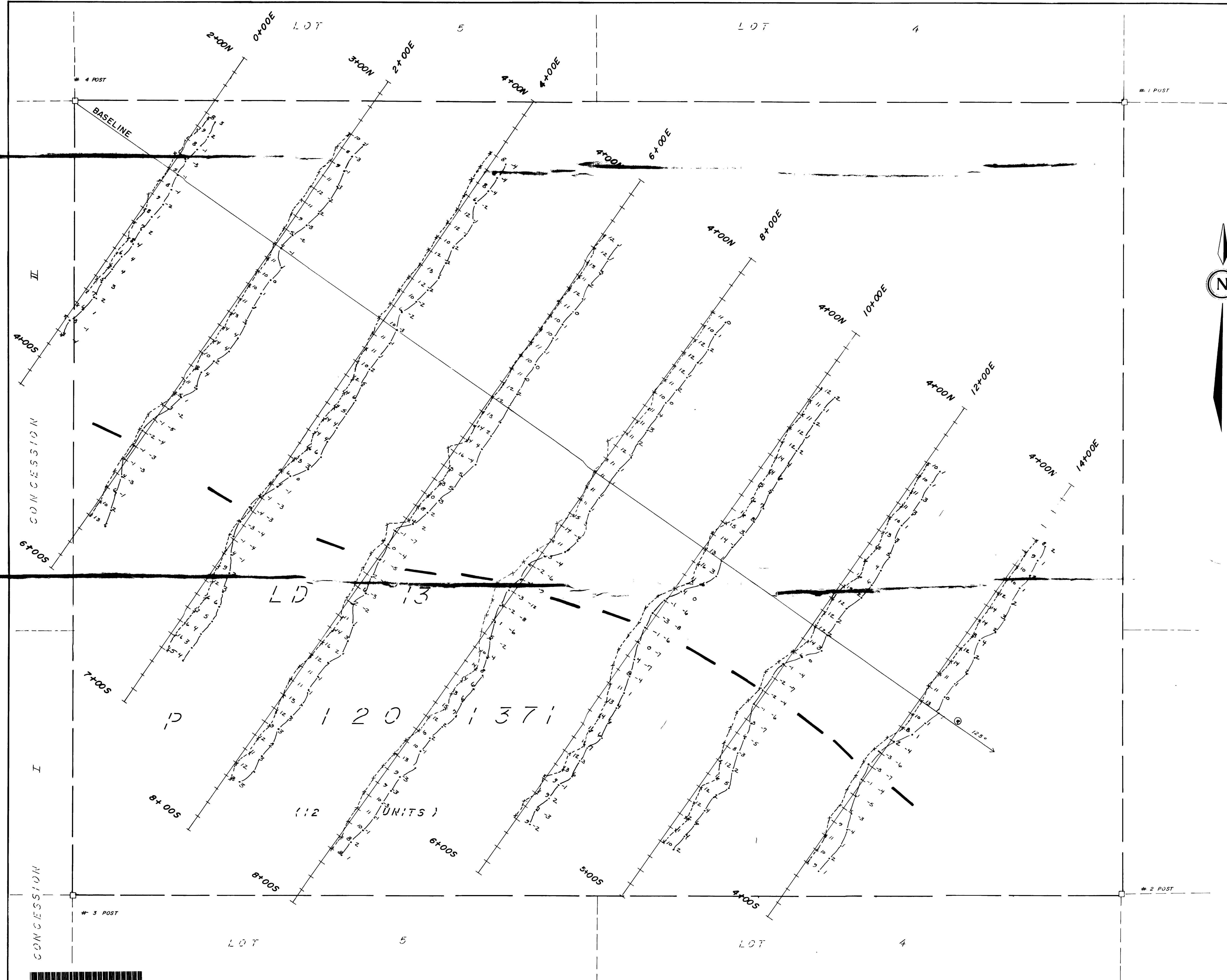
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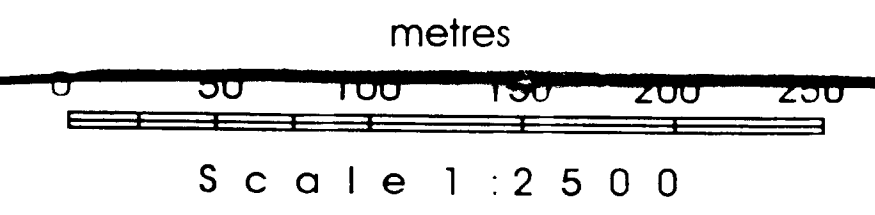
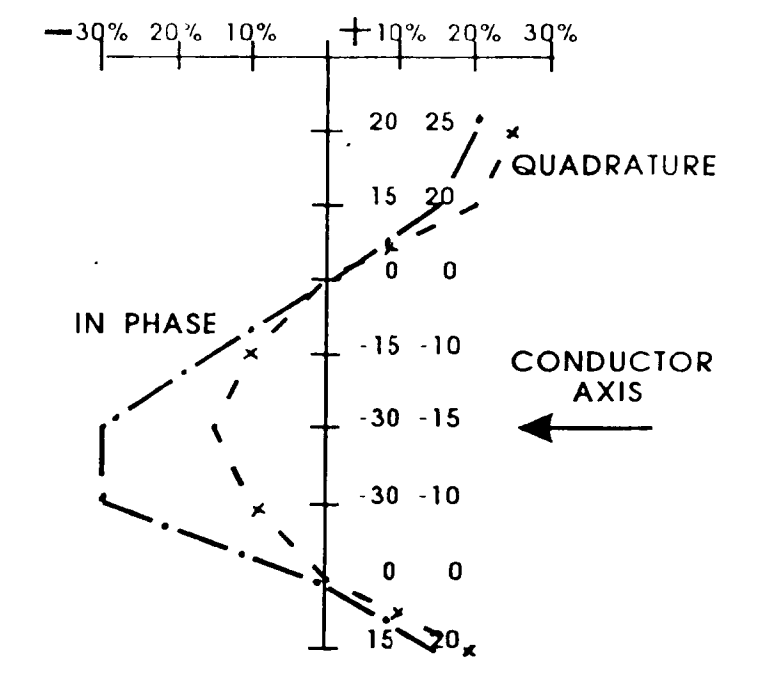
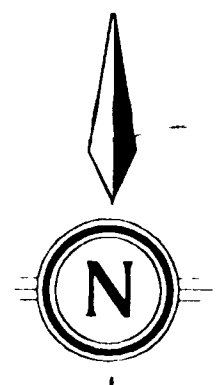
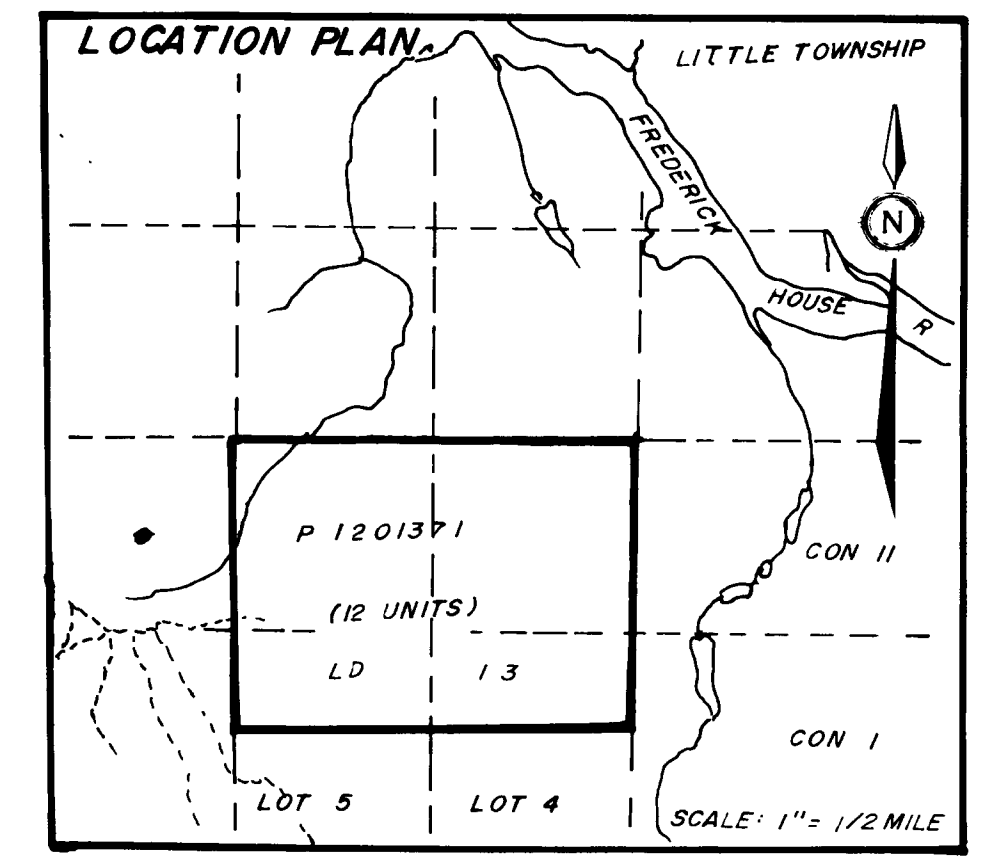
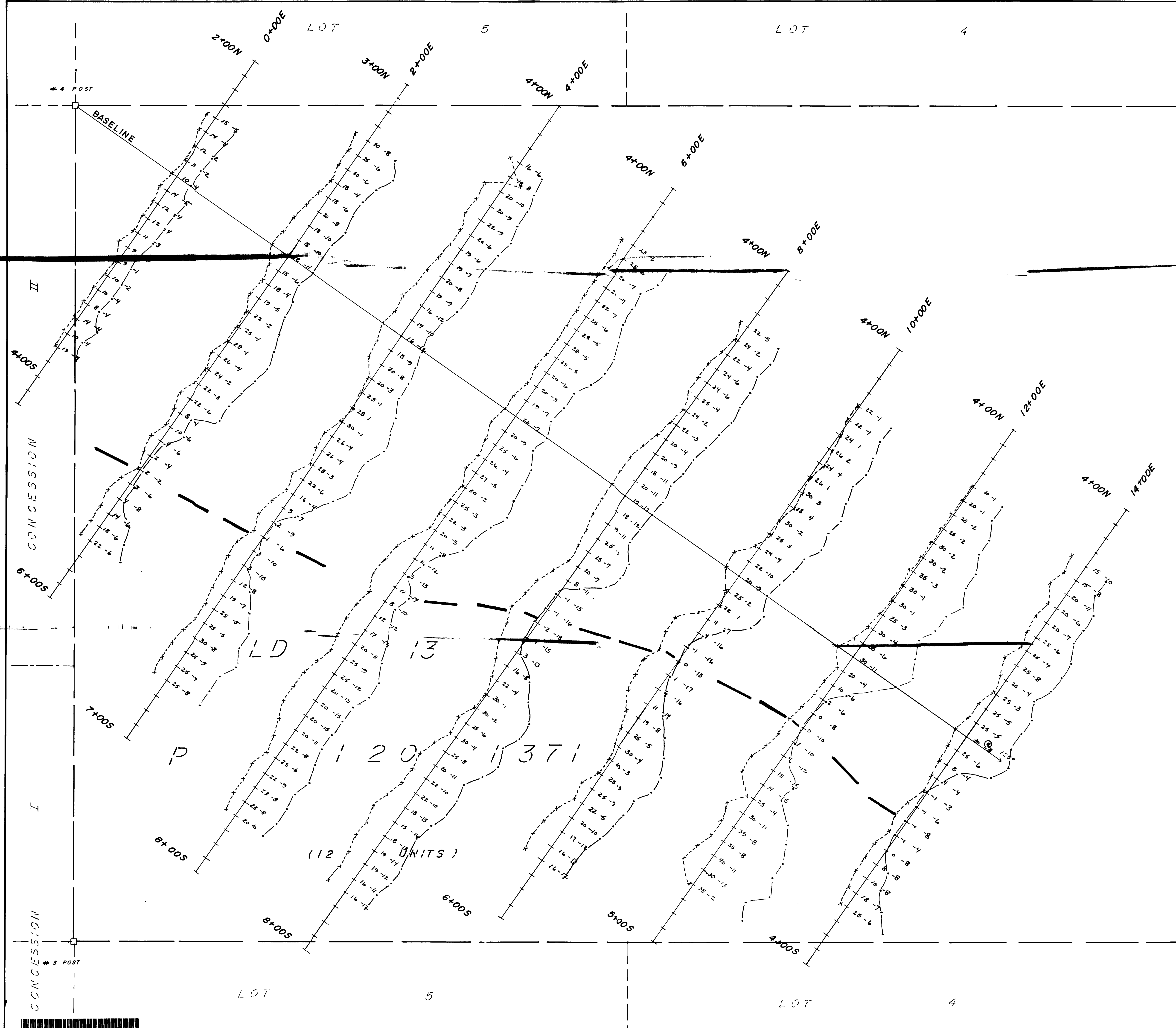
INSTRUMENT	APEX MAX - MIN II
HORIZONTAL LOOP	(Percent of Primary Field)
Operating Frequency	888 Hz
Coil Separation	200 Metres
In phase profile	—
Quadrature profile	- - - - -
Profile Scale	1 cm : 10%
Conductor Axis	—



GRID LD 13
Mining Claim P 1201371
 Horizontal Loop EM Survey
 Profiles of In Phase and
 Quadrature Components
 FREQUENCY 888 Hz
LITTLE TOWNSHIP

Scale 1:2500	N.T.S. 42A/10	Reference
Date 1995	Drawn By <i>Sue Gamble</i>	<i>Sue Gamble</i>





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2,163 50 JAN 15 1996
 LEGEND

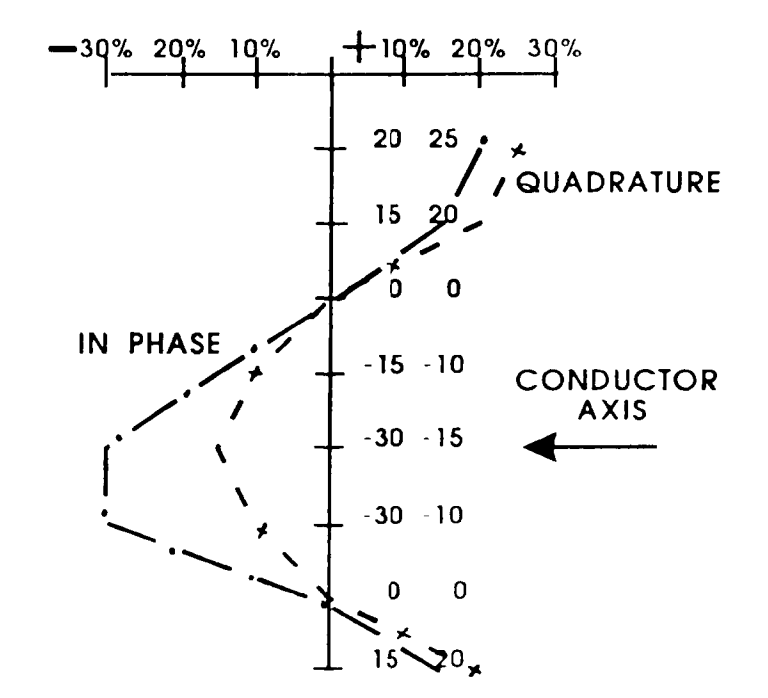
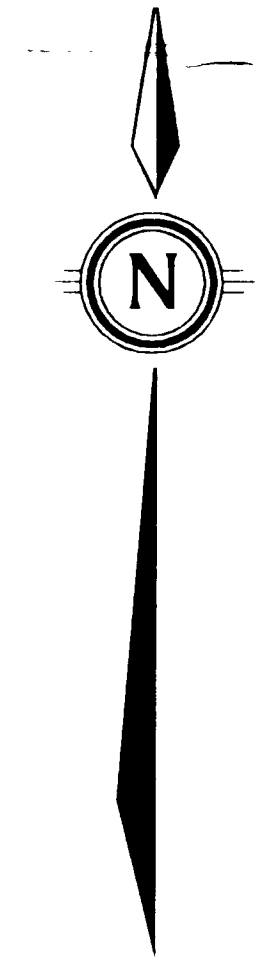
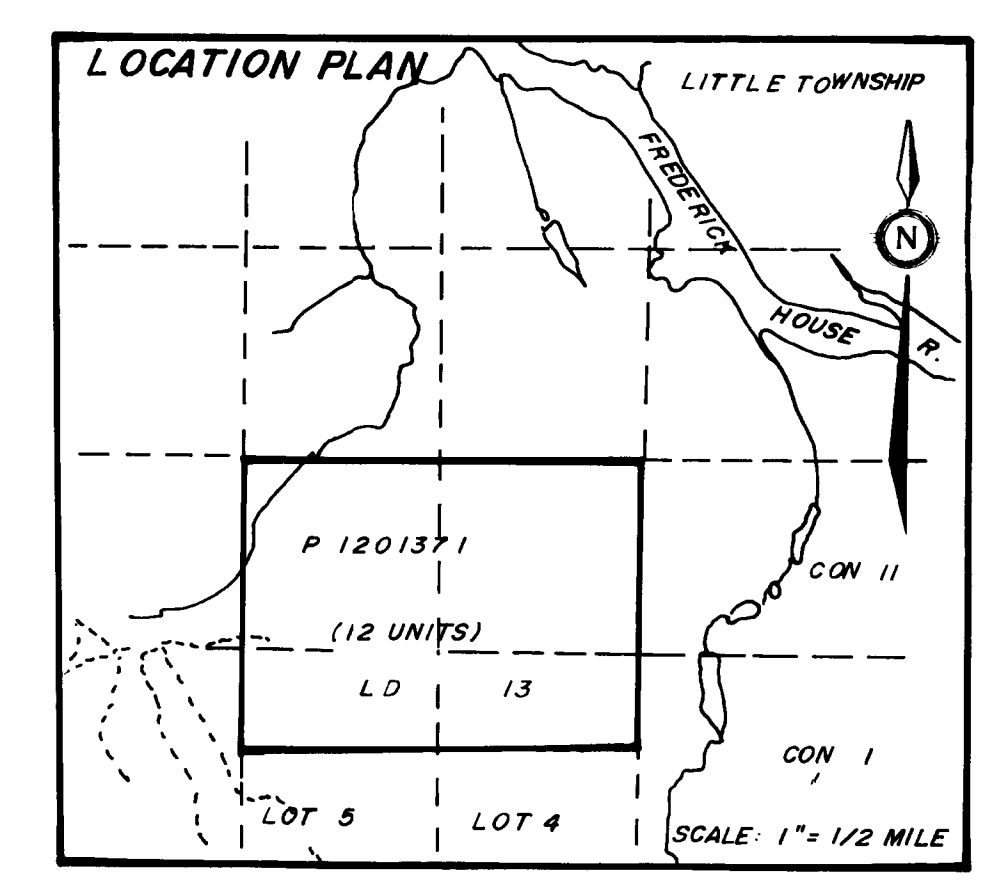
INSTRUMENT
 HORIZONTAL LOOP
 Operating Frequency
 1777 Hz
 Coil Separation
 200 Metres
 In phase profile
 Quadrature profile
 Profile Scale
 1 cm : 10%
 Conductor Axis

APEX MAX - MIN II
 (Percent of Primary Field)
 1777 Hz
 200 Metres
 1 cm : 10%

GRID LD 13
 Mining Claim P 1201371
 Horizontal Loop EM Survey
 Profiles of In Phase and
 Quadrature Components
 FREQUENCY 1777 Hz
LITTLE TOWNSHIP

Scale	1:2500	N.T.S. 42A/10	Reference
Date	1995	Drawn By <i>Sue Gamble</i> 1/22/95 SUE GAMBLE	<i>Sue Gamble</i> 1/22/95





LEGEND

- INSTRUMENT
 - HORIZONTAL LOOP
 - Operating Frequency
 - Coil Separation
 - In phase profile
 - Quadrature profile
 - Profile Scale
 - Conductor Axis
- AFEX MAX - MIN II
 - (Percent of Primary Field)
 - 3555 Hz
 - 200 Metres
 -
 -
 - 1 cm = 10%

GRID LD 13
Mining Claim P 1201371
 Horizontal Loop EM Survey
 Profiles of In Phase and
 Quadrature Components
FREQUENCY 3555 Hz
LITTLE TOWNSHIP

Scale	1:2500	N.T.S. 42A/10	Reference
Date	1995	Drawn By <i>Sue Gamble</i> SUE GAMBLE	<i>[Signature]</i> DOT 23/95

