



32D05NW0057 2.14389 ELLIOTT

010

INDUCED POLARIZATION SURVEY  
G. BASTARACHE & ALEX MATHIAS  
PROPERTY: ELLIOTT TWP.  
Larder Lake Area  
Ontario  
July 1991

2.14389



32005NW0057 2.14389 ELL10TT

010C

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I- INTRODUCTION

During the month of July 1991, an induced polarization survey was carried out on the Bastarache & Mathias property in Elliot Twp., in an attempt to outline stratigraphic horizons of disseminated sulphides.

II- LOCATION & ACCESSIBILITY

The Bastarache & Mathias property is situated east of Kirkland Lake Highway 66 towards the Provincial Park road north and by a lumber road (gravel road), that cross the property along the baseline 0+00 from line 8+25 W to 0+25 W.

The property covered by the survey consist of 12 claims numbered as follows:

# 1110715	# 1110721	# 1110725
1110716	1110722	1110726
1110719	1110723	1110756
1110720	1110724	1110757

III- INDUCED POLARIZATION SURVEY

The survey (50 meters spreads N=1 to N=4) was carried out over 9.0 Km of lines. Nine lines of survey was done numbered as follows: L-0+25 W, L-1+25 W, L-2+25 W, L-3+25 W, L-4+25 W, L-5+25 W, L-6+25 W, L-7+25 W and line 8+25 W.

Instruments used is Phoenix receiver I.P. Turbo V-4 spectral with 1.0 Hz frequency measuring the phase in (Millirad) transmitter I.P. T-1 Phoenix and a generator of 1.0 Kw of power.

The data has been plotted on pseudo-section. The induced polarization method is mainly used to detect disseminated metallic sulphides. The phase increase is related mainly to

conductive material like disseminated sulphide grains and the percentage of disseminated sulphides in the rock and sulphide grain size.

IV- DATA PRESENTATION

The maps and pseudo-sections of the calculated apparent resistivity and the phase in millirads are included in this report.

- 1) Surface projection of the interpreted I.P. anomaly zone.
- 2) Apparent resistivity, phase pseudo-section are presented in this book.

V- DISCUSSION & INTERPRETATION

Examination of the pseudo-section reveals 4 anomalous zones numbered as 1 to 4.

Anomalous zone # 1

Anomalous zone #1 from line 0+25 W to line 2+25 W shows a weak response on line 0+25 W between 400 S to 450 S. Line 1+25 W between 400 S to 450 S good response in phase of up to 5.0 millirads. Line 2+25 W shows a good response between 250 S to 300 S increase in phase of up to 5.4 millirads in a resistivity of around 400 to 800 Ohm-meters.

Anomalous zone # 2

Anomalous zone #2 on line 4+25 W between 3+50 S to 400 S shows a good response in phase of up to 15.0 millirads in a resistivity of around 400 to 600 Ohm-meters.

Anomalous zone # 3

Anomalous zone #3 on line 225 W between 0+50 S to 1+00S shows an increase in phase of up to 8.6 millirads in a low resistivity of around 200 Ohm-meters. Line 3+25 W shows a good response between 100 S to 150 S in a low resistivity of around 120 to 300 Ohm-meters and an increase in phase of up to 16.0 millirads.

Anomalous zone # 4

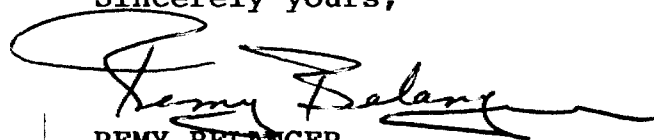
Anomalous zone #4 on line 3+25 W between 150 N to 200N shows a good increase in phase of up to 18.0 millirads in an higher resistivity of up to 3000 to 5000 Ohm-meters.

VI- CONCLUSIONS & RECOMMANDATIONS

Results of the induced polarization survey carried out over the Bastarache & Mathias property in Elliot Twp. indicated 4 anomalous horizons.

- Anomaly #1 shows to be on the edge of a gabbro best line to drill is line 1+25 W at 4+60 S -45° to about 90 m to 100 m.
- Anomaly #2: Best line is line 4+25 W drill hole at 410 S -45° to about 100 meters.
- Anomaly #3: Best line is line 3+25 W drill hole at 1+60 S -45° to about 100 meters.

Sincerely yours,



REMY BELANGER

Geophysical contractor

*Authentic  
2.10.676*



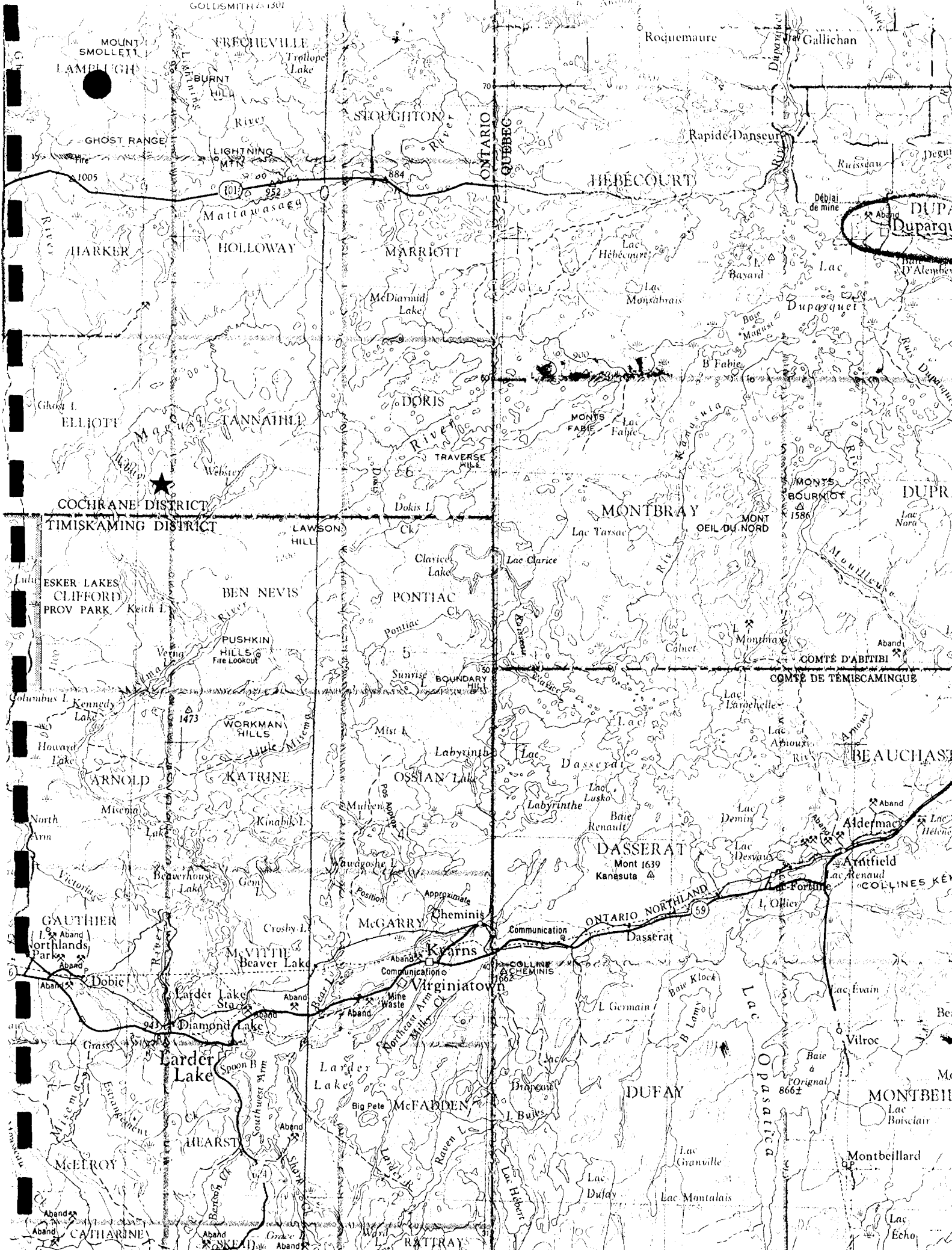
**REMY BELANGER ENRG.**

GROUND GEOPHYSICAL SURVEYS ACROSS CANADA

- I.P. SURVEY (PHOENIX TURBO V-4 RX)
- PHASE/TIME DOMAIN/FREQUENCY
- MISE A LA MASSE SURVEY (SURFACE & UNDERGROUND)
- PROJECT MANAGEMENT

BOX 40

329 BIVD. EVAIN WEST,  
EVAIN, P.QUEBEC J0Z-1Y0



MOUNT SMOLLETT  
LAMPLUGH

FRECHVILLE  
BURN'T HILL

STOUGHTON

Roquemaure  
Jas Gallichan

GHOST RANGE  
1005

LIGHTNING MTN  
952

884

HÉBÉCOURT

Rapide Dansour

HARKER

HOLLOWAY

MARRIOTT

DUPA  
Duparquet

Ruissseau  
Déblai de mine  
Aband  
D'Alembert  
Lac  
Duparquet  
Barré  
D'Alembert  
Ruisseau  
Duparquet

ELLIOTT

TANNATHILL

DORIS

Lac Hébécourt

Lac Monsabrais

DUPARQUET

COCHRANE DISTRICT  
TIMISKAMING DISTRICT

TRaverse Hill

MONT FABIE

B Fabie

DUPRA

ESKER LAKES  
CLIFFORD  
PROV PARK

BEN NEVIS

PONTIAC

MONTBRAY

MONT OEUIL DU NORD

DUPRA  
Lac Nora

ESKER LAKES  
CLIFFORD  
PROV PARK

PUSHKIN HILLS  
Fire LOOKOUT

Clarice Lake

Lac Clarice

Lac Tarsac

COMTE D'ABITIBI  
COMTE DE TEMISCAMINGUE

ESKER LAKES  
CLIFFORD  
PROV PARK

WORKMAN HILLS

Mist L.

Lac Labyrinth

Lac Dasserat

BEAUCHASTI

ARNOLD

KATRINE

OSSIAN LAKE

Lac Labyrinth

DASSERAT  
Mont 1639  
Kanasuta

ALDERMACT  
Lac Helene

GAUTHIER  
Northlands  
Park

McVITIE  
Beaver Lake

McGARRY

Cheminis

DASSERAT

ARNTFIELD  
Lac Renaud  
Lac Fortme  
L. Offier

GAUTHIER  
Northlands  
Park

Larder Lake

McGARRY

Kyarns

Communication

ARNTFIELD  
Lac Renaud  
Lac Fortme  
L. Offier

GAUTHIER  
Northlands  
Park

Larder Lake

McGARRY

Virginatown

Communication

ARNTFIELD  
Lac Renaud  
Lac Fortme  
L. Offier

GAUTHIER  
Northlands  
Park

Larder Lake

McGARRY

McFARREN

Communication

ARNTFIELD  
Lac Renaud  
Lac Fortme  
L. Offier

GAUTHIER  
Northlands  
Park

Larder Lake

McGARRY

McFARREN

DUFAY

MONTBEILLI  
Lac Boisclair

GAUTHIER  
Northlands  
Park

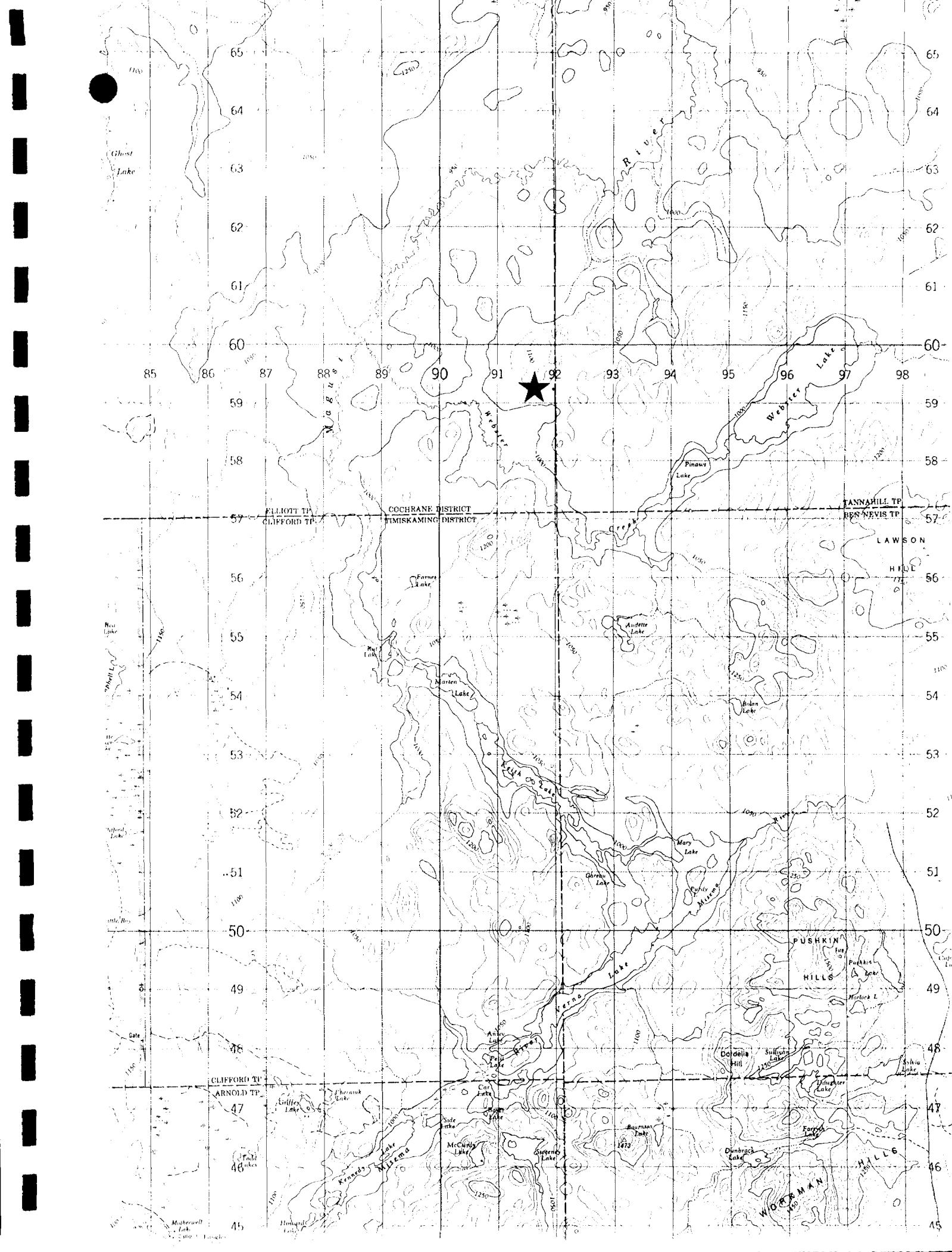
Larder Lake

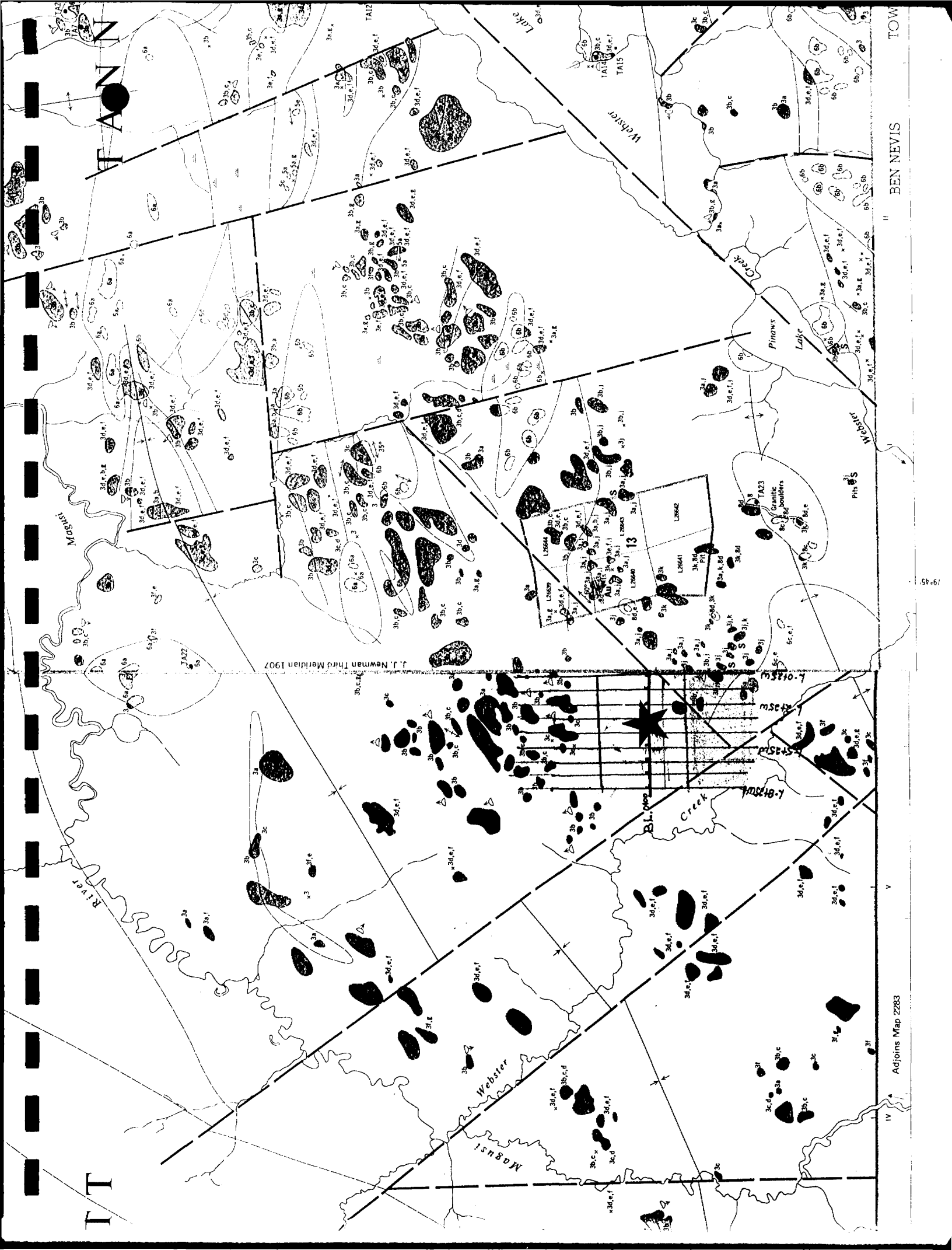
McGARRY

McFARREN

Lac Dufay

MONTBEILLI  
Lac Boisclair

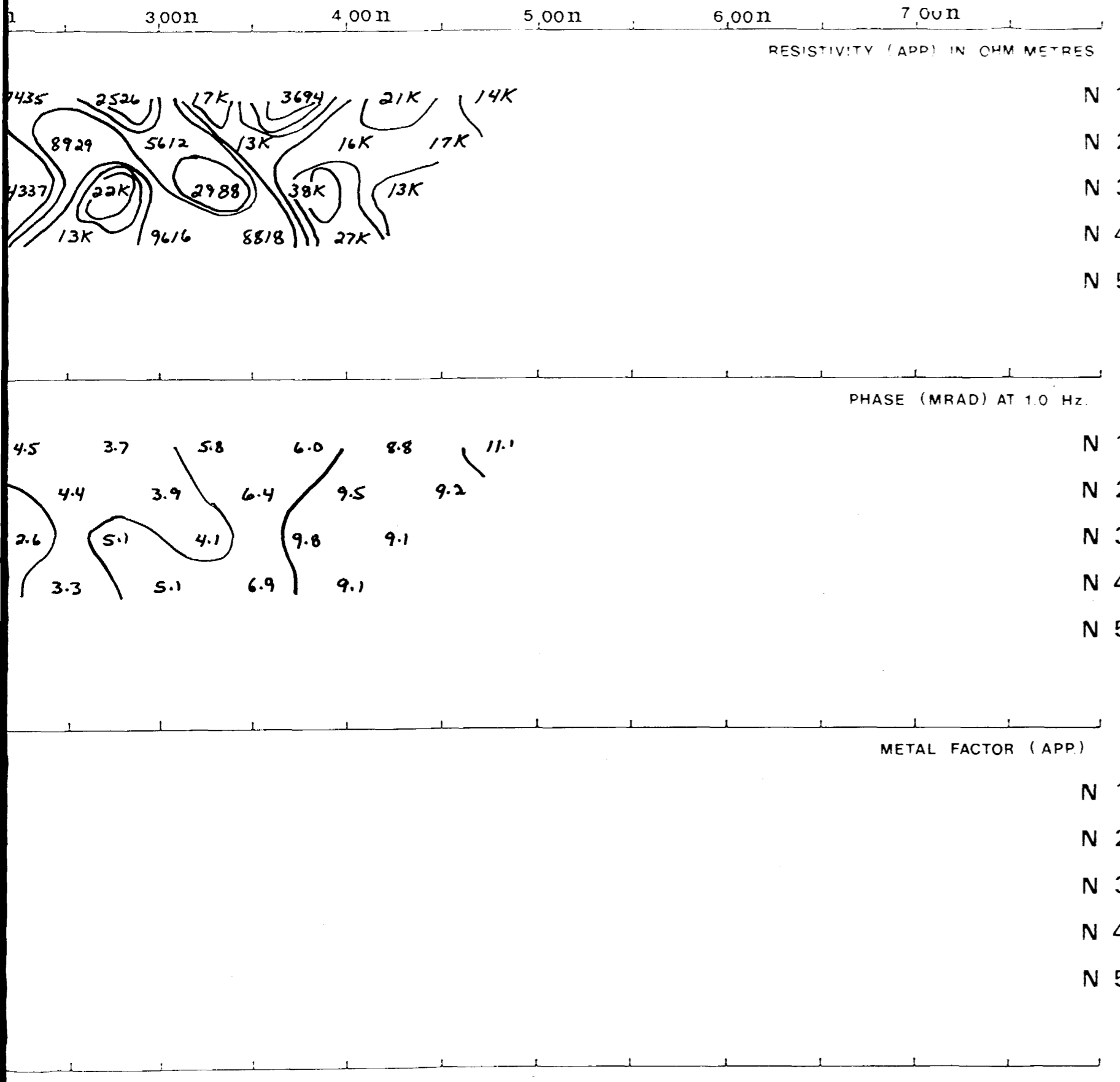






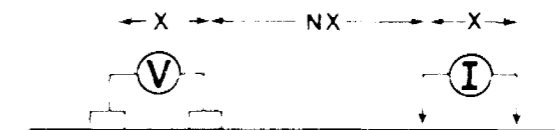
# INDUCED POLARIZATION AND RESISTIVITY SURVEY

COMPANY = G. BASTARACHE, ALEX MATHIAS  
 Property = ELLIOTT TWP.  
 LARDER LAKE, ONTARIO



LINE No. 0+25W

ELECTRODE CONFIGURATION  
(DIPOLE - DIPOLE)



PLOTTING POINT X X: 50M

**2.14389**

SURFACE PROJECTION  
OF ANOMALOUS ZONES

- DEFINITE ---
- PROBABLE ---
- POSSIBLE ---

INSTRUMENT: PHOENIX IPV-4 SPECTRAL FREQUENCY: 1.0 Hz  
 IPT-1 CR-2

\*NOTE: CONTOURS AT LOGARITHMIC INTERVALS (1.1.5.2.3.5.7.5.10)

DATE SURVEYED:  
JULY 08-91

APPROVED:  
*Remy Belanger*

OPERATOR:  
REMY BELANGER

DATE:  
JULY 14-91



**REMY BELANGER INC.**

7.00S

6.00S

5.00S

4.00S

3.00S

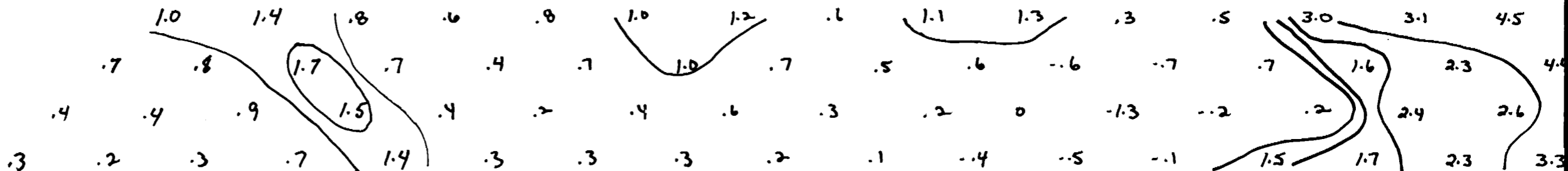
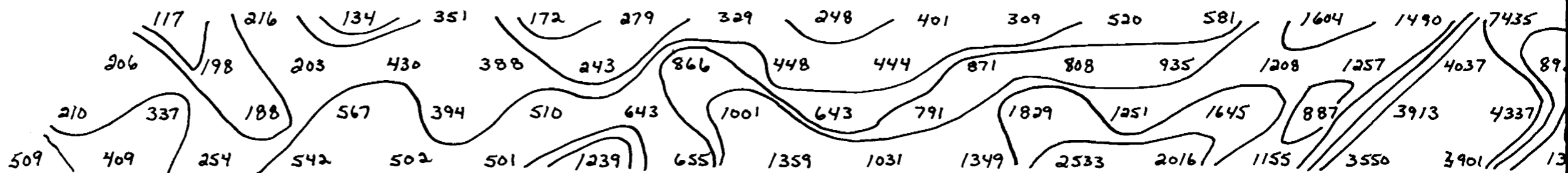
2.00S

1.00S

0

1.00N

2.00N

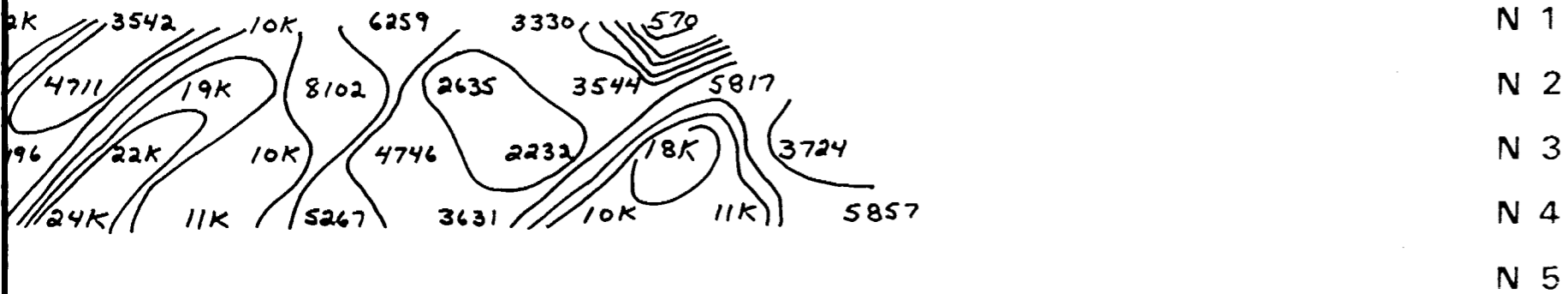


GRAVEL ROAD.

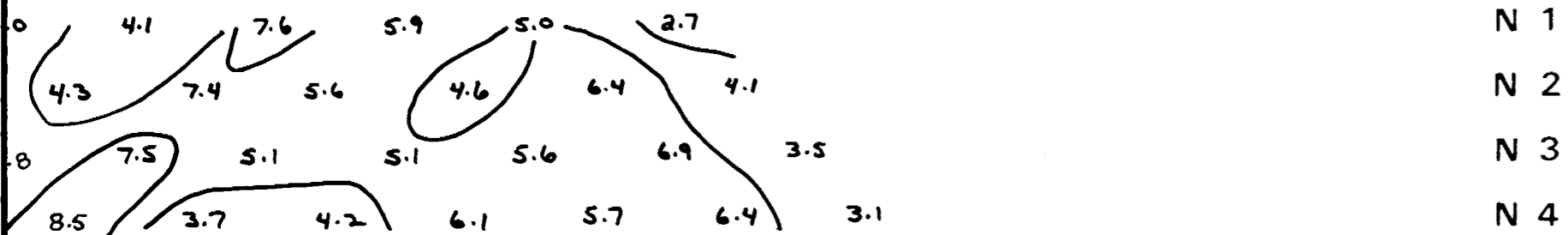
# INDUCED POLARIZATION AND RESISTIVITY SURVEY

COMPANY = G. BASTARACHE, ALEX MATHIAS  
Property = ELLIOTT TWP.  
LARDER LAKE, ONTARIO

300n 400n 500n 600n 700  
RESISTIVITY (APP) IN OHM METRES



PHASE (MRAD) AT 1.0 Hz.

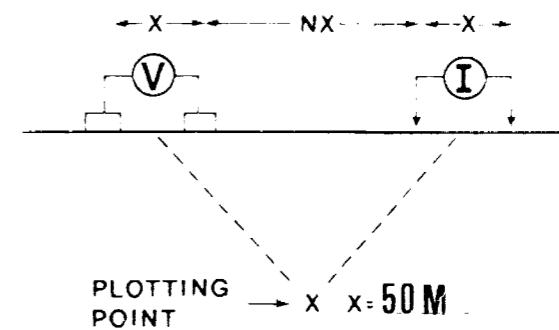


METAL FACTOR (APP)

N 1  
N 2  
N 3  
N 4  
N 5  
  
N 1  
N 2  
N 3  
N 4  
N 5  
  
N 1  
N 2  
N 3  
N 4  
N 5

LINE No. 1+25 W

ELECTRODE CONFIGURATION  
(DIPOLE - DIPOLE)



2.14389

SURFACE PROJECTION  
OF ANOMALOUS ZONES

- DEFINITE
- PROBABLE
- POSSIBLE

INSTRUMENT: PHOENIX IPV-4 SPECTRAL FREQUENCY: 10 Hz  
IPT-1 CR-2

\*NOTE: CONTOURS AT LOGARITHMIC INTERVALS (1.1.5.2.3.5.7.5.10)

DATE SURVEYED:  
JULY 08 - 91

APPROVED:  
*Remy Belanger*

OPERATOR:  
REMY BELANGER

DATE:  
JULY 14 - 91



**REMY BELANGER INC.**

7,00S

6,00S

5,00S

4,00S

3,00S

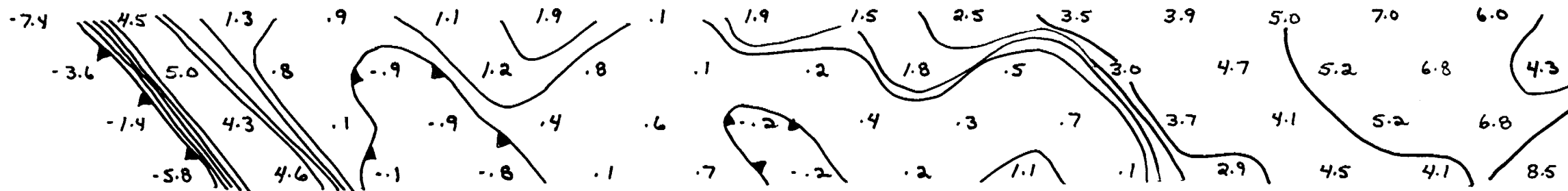
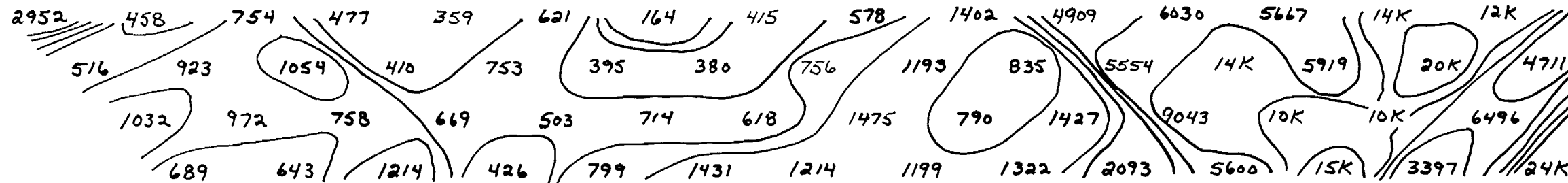
2,00S

1,00S

0

1,00N

2,00N

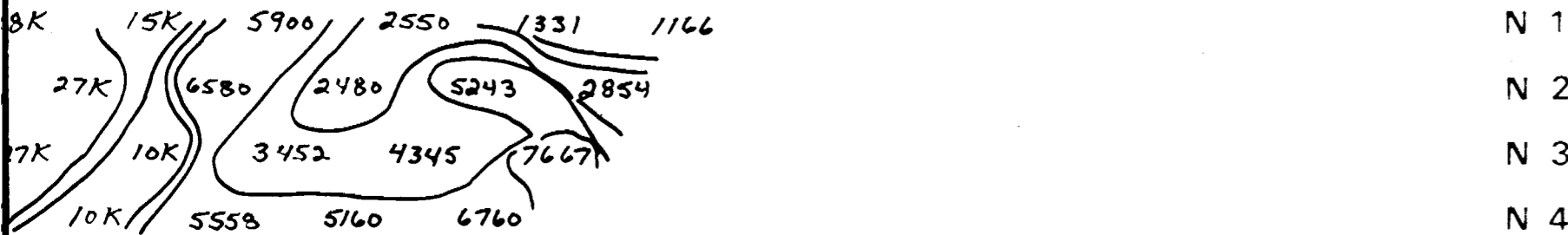


GRAVEL ROAD  
//

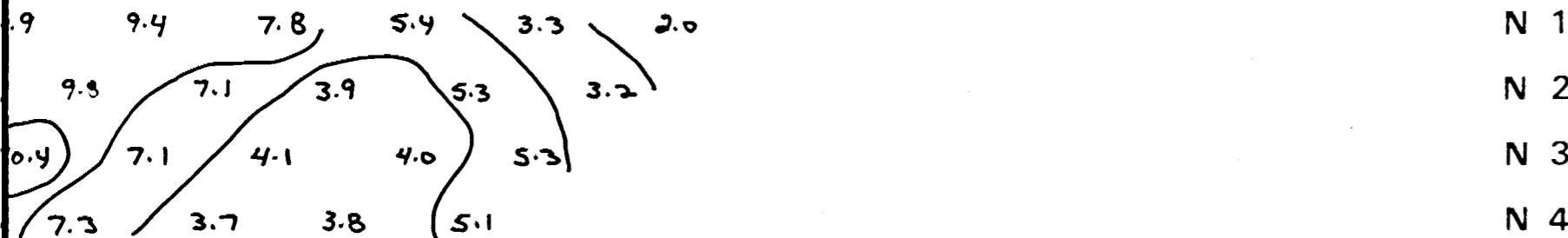
# INDUCED POLARIZATION AND RESISTIVITY SURVEY

COMPANY: G. BASTARACHE, ALEX MATHIAS  
 Property: ELLIOTT TWP.  
 LARDER LAKE, ONTARIO

3.00n 4.00n 5.00n 6.00n 7.00n  
 RESISTIVITY (APP) IN OHM METRES



PHASE (MRAD) AT 1.0 Hz

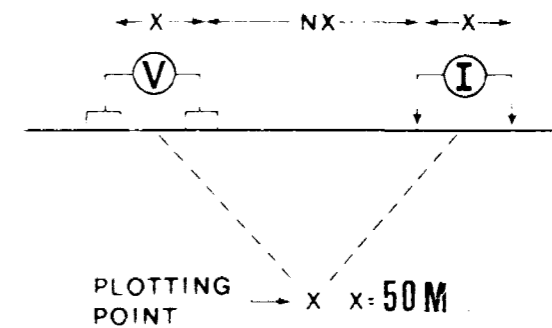


METAL FACTOR (APP)



LINE No. 2725 W

ELECTRODE CONFIGURATION  
 (DIPOLE - DIPOLE)



SURFACE PROJECTION  
 OF ANOMALOUS ZONES



- DEFINITE --- [Solid bar]
- PROBABLE --- [Dashed bar]
- POSSIBLE --- [Hatched bar]

INSTRUMENT: PHOENIX IPV-4 SPECTRAL FREQUENCY: 1.0 Hz  
 IPT-1 CR-2

\* NOTE: CONTOURS AT LOGARITHMIC INTERVALS (1.1.5.2.3.5.7.5.10)

DATE SURVEYED:  
 JULY 08 - 91

APPROVED:  
*Bemy Belanger*

OPERATOR:  
 REMY BELANGER

DATE:  
 JULY 14 - 91



**REMY BELANGER INC.**

# INDUCED POLARIZATION AND RESISTIVITY SURVEY

COMPANY: G. BASTARACHE, ALEX MATHIAS  
Property: ELLIOTT TWP.  
LARDER LAKE, ONTARIO

LINE No. 2725 W

ELECTRODE CONFIGURATION

(DIPOLE - DIPOLE)

X X NX X X



POINT  
PLOTING X X=50M

SURFACE PROJECTION  
OF ANOMALOUS ZONES

--- DEFINITE  
--- PROBABLE  
--- POSSIBLE

INSTRUMENT: PHOENIX IPV-4 SPECTRAL FREQUENCY: 1.0 HZ  
IPT-1 CR-2

\* NOTE: CONTOURS AT LOGARITHMIC INTERVALS (1.15, 2.3, 5.75, 10)

DATE SURVEYED:

JULY 08 - 91

OPERATOR:

REMY BELANGER

APPROVED:

*Remy Belanger*

DATE:

JULY 14 - 91

REMY BELANGER INC.



RESISTIVITY (APP) IN OHM METRES

3 000 4 000 5 000 6 000 7 000

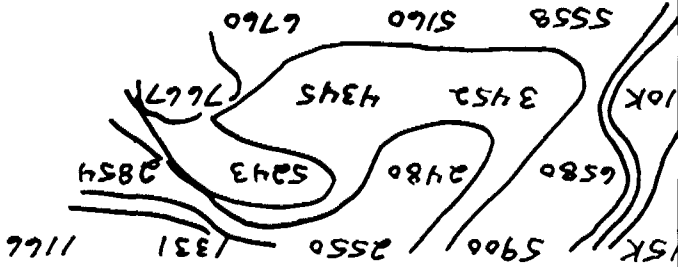
N 1

N 2

N 3

N 4

N 5



PHASE (MRAD) AT 1.0 HZ

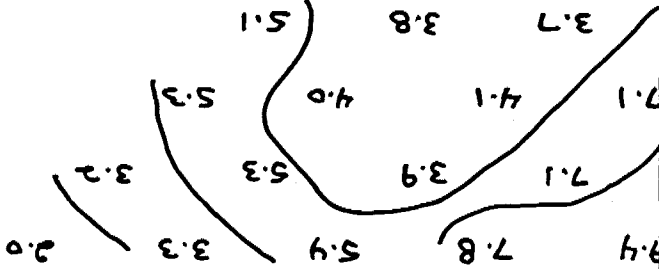
N 1

N 2

N 3

N 4

N 5



METAL FACTOR (APP)

N 1

N 2

N 3

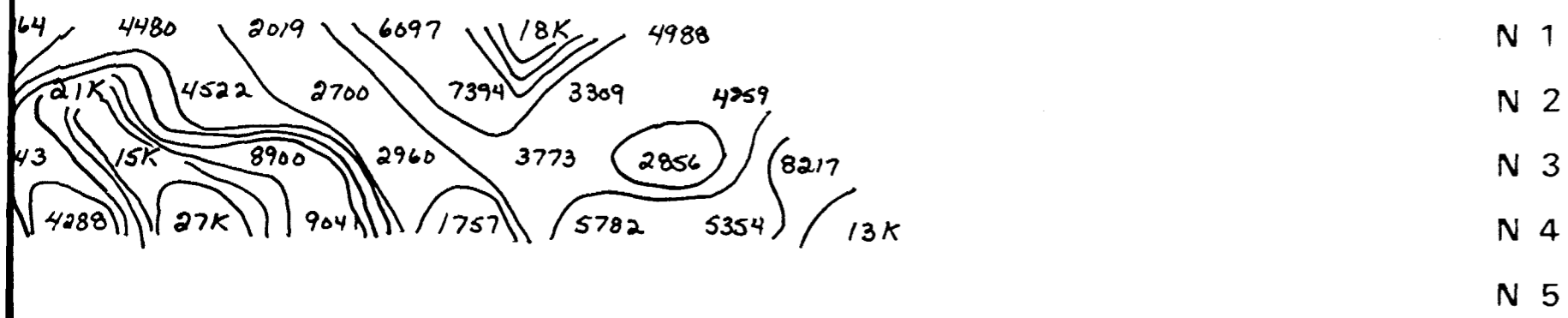
N 4

N 5

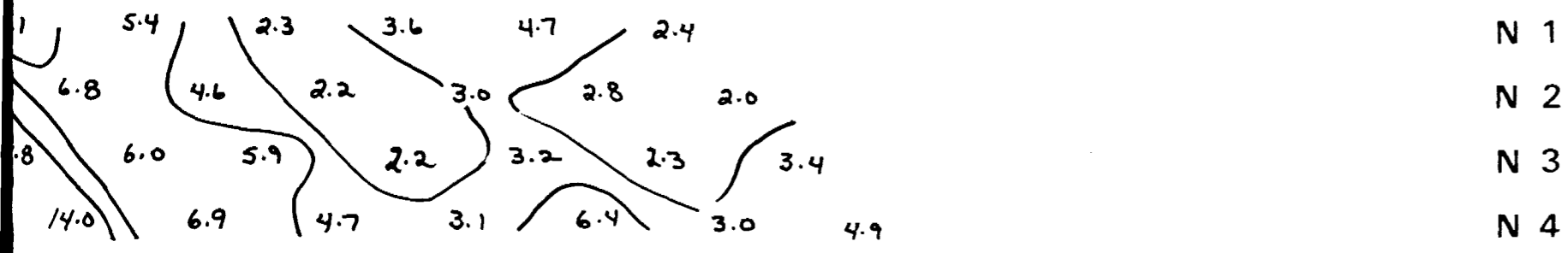
# INDUCED POLARIZATION AND RESISTIVITY SURVEY

COMPANY = G. BASTARACHE, ALEX MATHIAS  
 Property = ELLIOTT TWP.  
 LARDER LAKE, ONTARIO

3.00n      4.00n      5.00n      6.00n      7.00n  
 RESISTIVITY (APP) IN OHM METRES



PHASE (MRAD) AT 1.0 Hz.

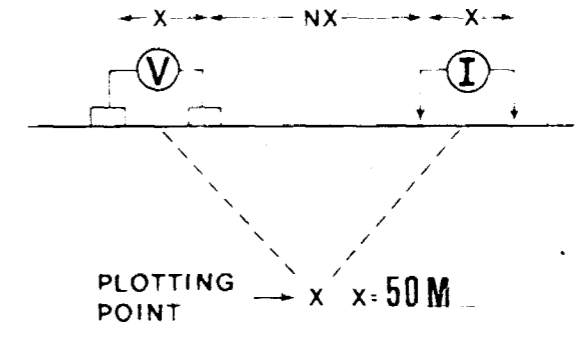


METAL FACTOR (APP.)



LINE No. 3+25W

ELECTRODE CONFIGURATION  
(DIPOLE - DIPOLE)



SURFACE PROJECTION  
OF ANOMALOUS ZONES

- DEFINITE
- PROBABLE
- POSSIBLE

INSTRUMENT: PHOENIX IPV-4 SPECTRAL      FREQUENCY: 10 Hz  
 IPT-1 CR-2

\*NOTE: CONTOURS AT LOGARITHMIC INTERVALS (1.1.5.2.3.5.7.5.10)

DATE SURVEYED:  
JULY 09 - 91

APPROVED:  
*Remy Belanger*

OPERATOR:  
BEMY BELANGER

DATE:  
JULY 14 - 91



**REMY BELANGER INC.**

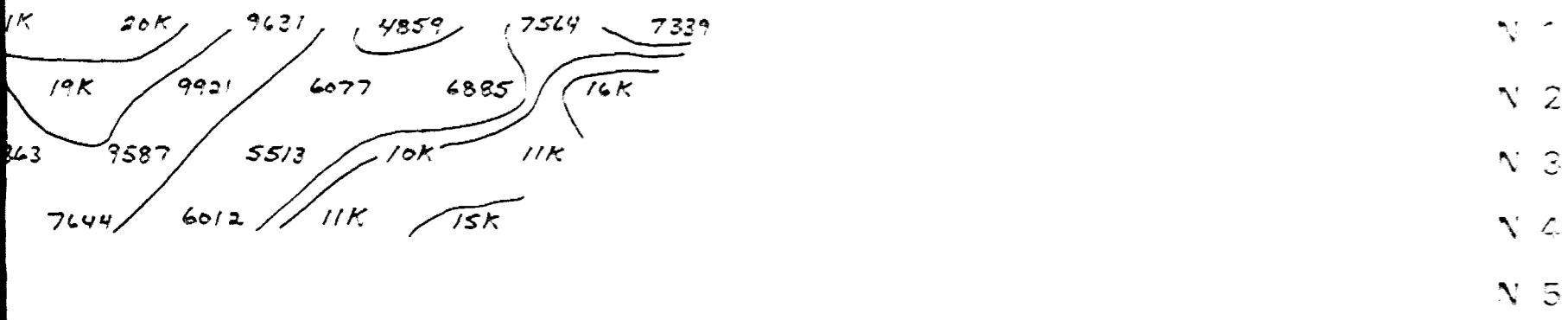




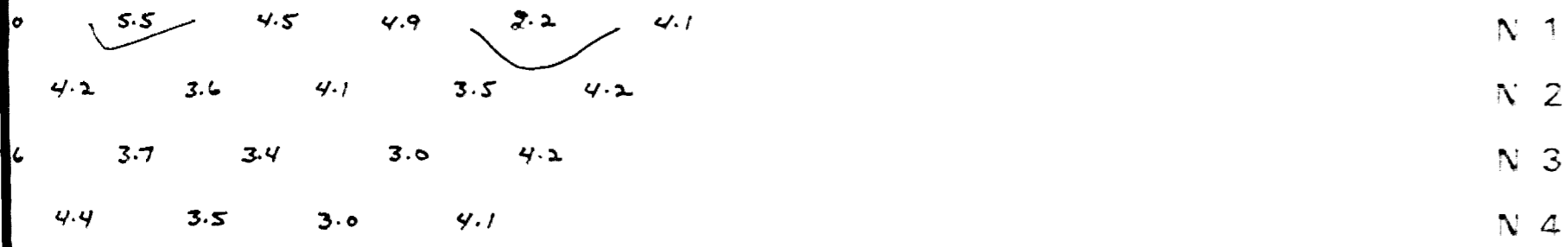
# INDUCED POLARIZATION AND RESISTIVITY SURVEY

COMPANY - G. BASTARACHE, ALEX MATHIAS  
 Property - ELLIOTT TWP.  
 LARDER LAKE, ONTARIO

3.00m 4.00m 5.00m 6.00m 7.00  
 RESISTIVITY APP. IN OHM METRES



PHASE (MRAD) AT 10 Hz

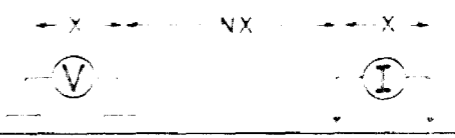


METAL FACTOR (APP)

N 1  
 N 2  
 N 3  
 N 4  
 N 5

LINE No. 4425 W

ELECTRODE CONFIGURATION  
 (DIPOLE - DIPOLE)



PLOTTING POINT X X=50M

SURFACE PROJECTION  
 OF ANOMALOUS ZONES

- DEFINITE
- PROBABLE
- POSSIBLE

INSTRUMENT PHOENIX IPV-4 SPECTRAL FREQUENCY 10 Hz  
 IPT-1 CR-2

\*NOTE CONTOURS AT LOGARITHMIC INTERVALS (1,1.5,2,3,5,7.5,10)

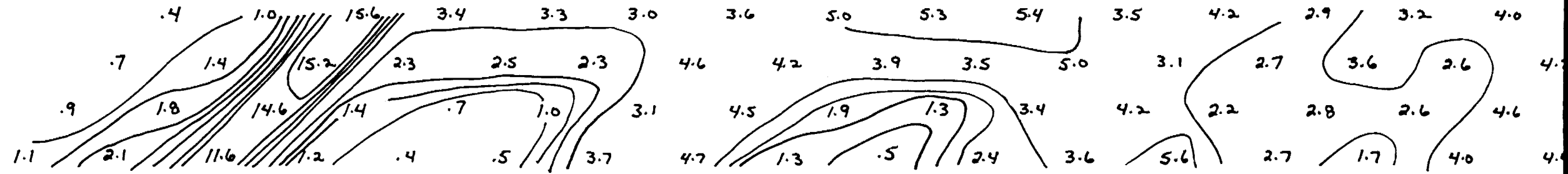
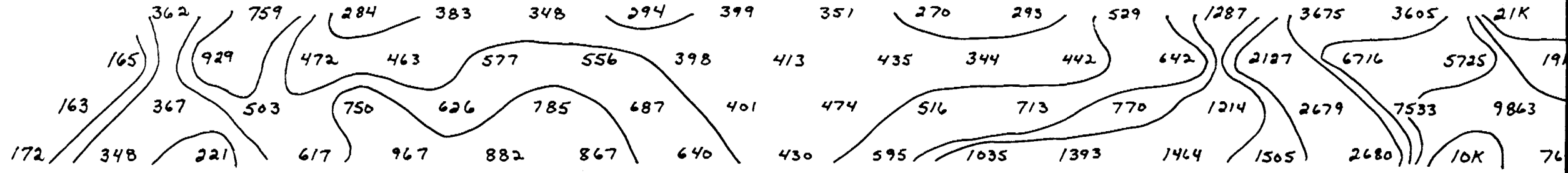
DATE SURVEYED:  
 JULY 09 91  
 OPERATOR:  
 REMY BELANGER

APPROVED:  
*Remy Belanger*  
 DATE:  
 JULY 14 91



**REMY BELANGER INC.**

7.00S 6.00S 5.00S 4.00S 3.00S 2.00S 1.00S 0 1.00N 2.00N



# INDUCED POLARIZATION AND RESISTIVITY SURVEY

COMPANY = G. BASTARACHE, ALEX MATHIAS  
 Property = ELLIOTT TWP.  
 LARDER LAKE, ONTARIO

3.00m      4.00m      5.00m      6.00m      7.0m  
 RESISTIVITY (APP) IN OHM METRES



N 1  
 N 2  
 N 3  
 N 4  
 N 5

PHASE (MRAD) AT 10 Hz



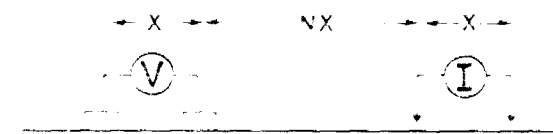
N 1  
 N 2  
 N 3  
 N 4  
 N 5

METAL FACTOR (APP)

N 1  
 N 2  
 N 3  
 N 4  
 N 5

LINE No. S+25 W

ELECTRODE CONFIGURATION  
 (DIPOLE - DIPOLE)



PLOTTING POINT X X 50M

SURFACE PROJECTION  
 OF ANOMALOUS ZONES

DEFINITE   
 PROBABLE   
 POSSIBLE

INSTRUMENT PHOENIX IPV-4 SPECTRAL FREQUENCY 10 Hz  
 IPT-1 CR-2

\*NOTE CONTOURS AT LOGARITHMIC INTERVALS (1,1.5,2,3,5,7.5,10)

DATE SURVEYED:  
 JULY 10 - 91

APPROVED:  
*Remy Belanger*

OPERATOR:  
 REMY BELANGER

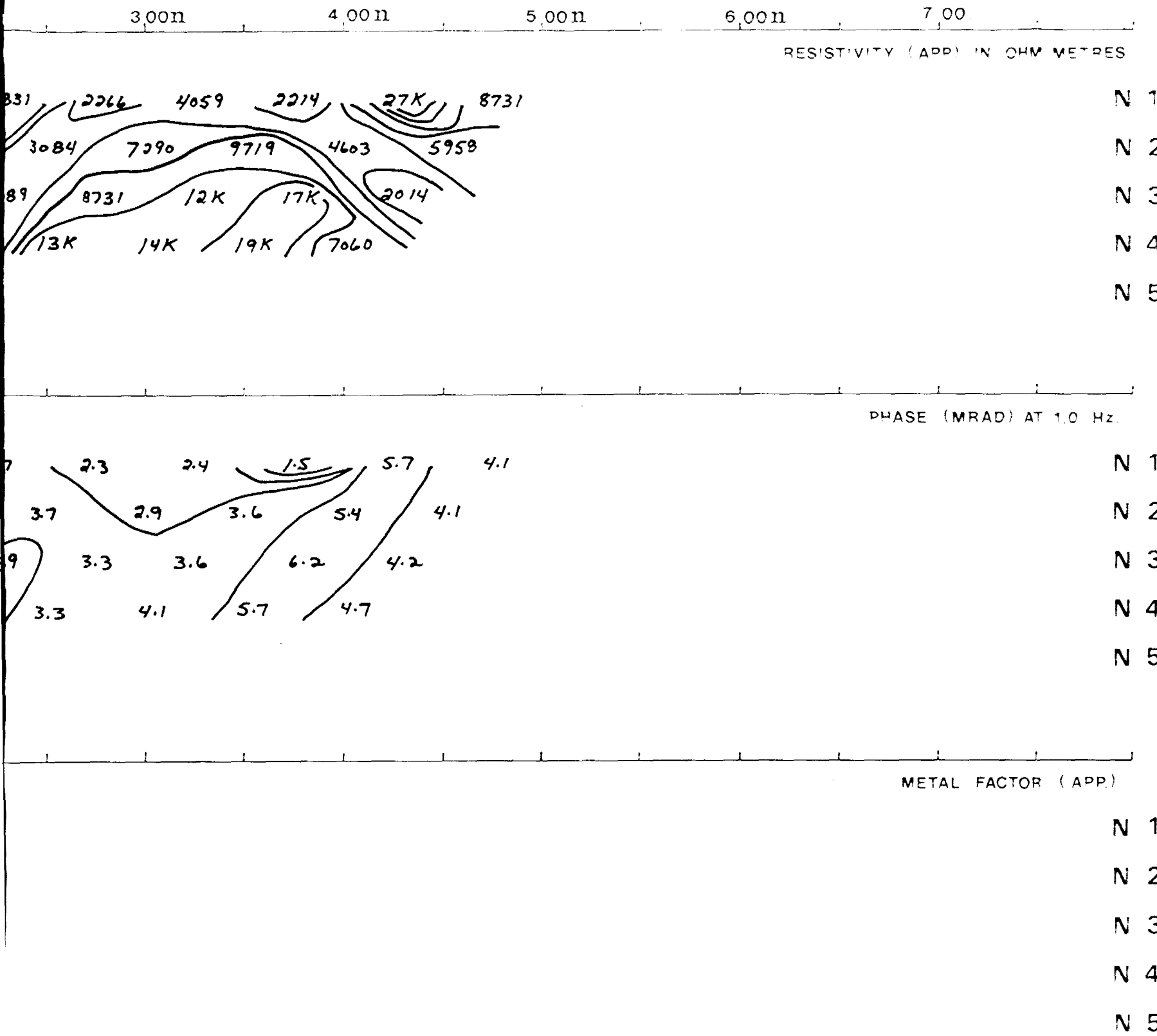
DATE:  
 JULY 14 - 91



**REMY BELANGER INC.**

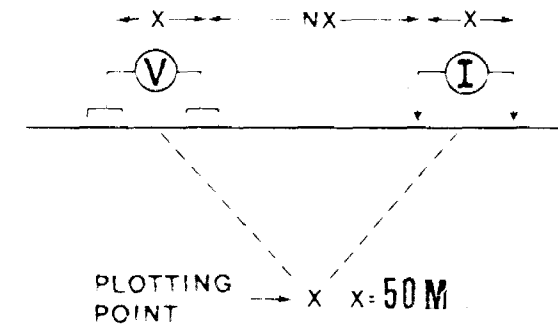
# INDUCED POLARIZATION AND RESISTIVITY SURVEY

COMPANY = G. BASTARACHE, ALEX MATHIAS  
 Property = ELLIOTT TWP.  
 LARDER LAKE, ONTARIO



LINE No. 6+25W

ELECTRODE CONFIGURATION  
(DIPOLE - DIPOLE)



SURFACE PROJECTION  
OF ANOMALOUS ZONES

- DEFINITE
- PROBABLE
- POSSIBLE

INSTRUMENT: PHOENIX IPV-4 SPECTRAL FREQUENCY: 1.0 Hz  
 IPT-1 CR-2

\* NOTE: CONTOURS AT LOGARITHMIC INTERVALS (1,1.5,2,3,5,7,5,10)

DATE SURVEYED:  
JULY 10 - 91

APPROVED:  
*Remy Belanger*

OPERATOR:  
REMY BELANGER

DATE:  
JULY 14 - 91



**REMY BELANGER INC.**

7,00S

6,00S

5,00S

4,00S

3,00S

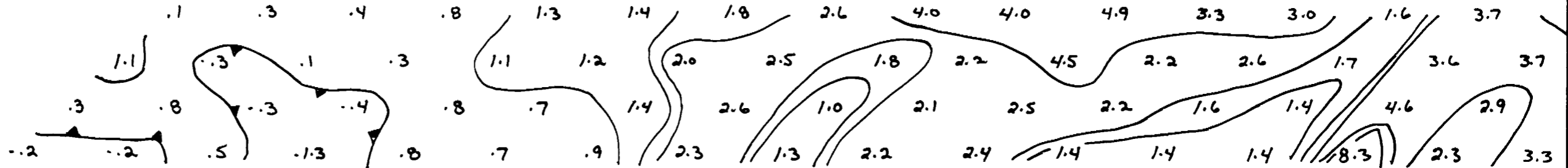
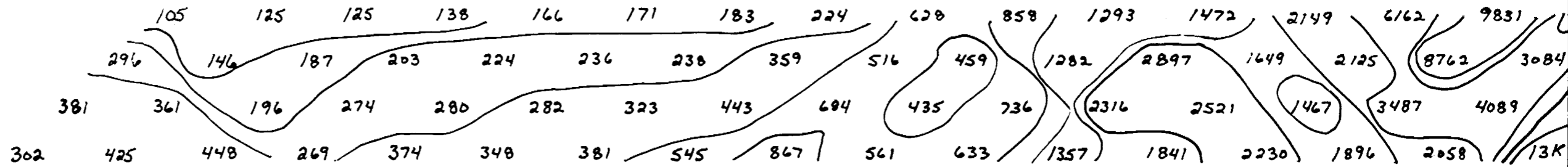
2,00S

1,00S

0

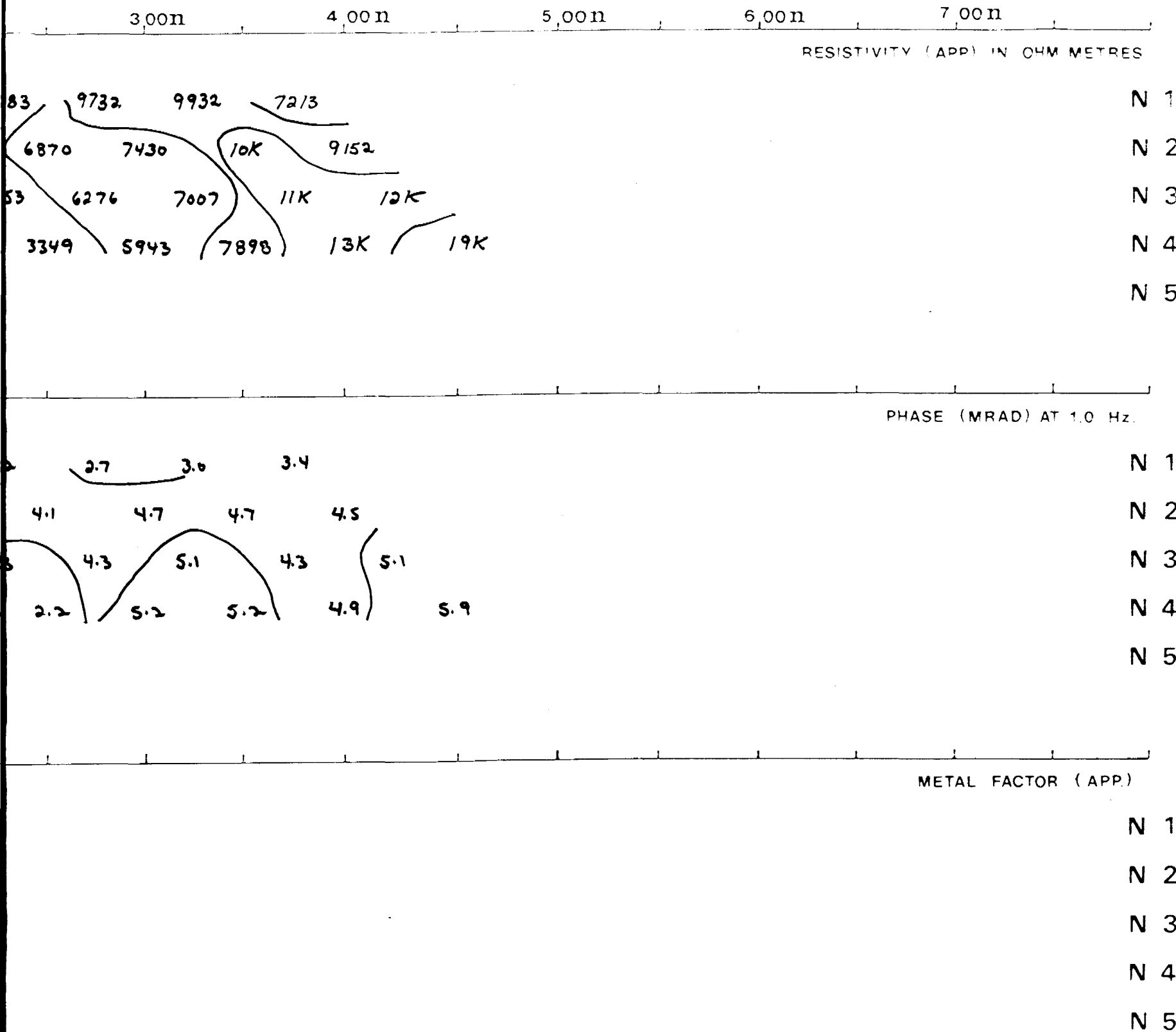
1,00N

2,00N



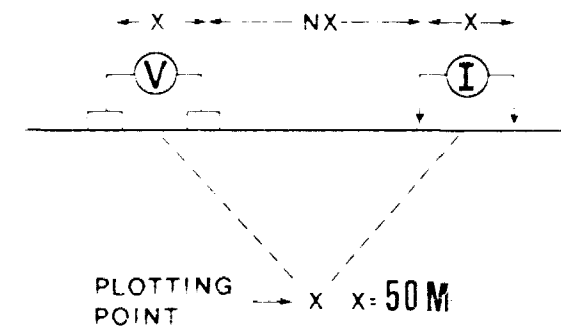
# INDUCED POLARIZATION AND RESISTIVITY SURVEY

COMPANY = G. BASTARACHE, ALEX MATHIAS  
 Property = ELLIOTT TWP.  
 LARDER LAKE, ONTARIO



LINE No. 7+25W

ELECTRODE CONFIGURATION  
 (DIPOLE - DIPOLE)



SURFACE PROJECTION  
 OF ANOMALOUS ZONES

2.14389

- DEFINITE ---
- PROBABLE ---
- POSSIBLE ---

INSTRUMENT: PHOENIX IPV-4 SPECTRAL FREQUENCY: 1.0 Hz.  
 IPT-1 CR-2

\*NOTE: CONTOURS AT LOGARITHMIC INTERVALS (1.1.5.2.3.5.7.5.10)

DATE SURVEYED:  
 JULY-11-91

APPROVED:  
*Remy Belanger*

OPERATOR:  
 REMY BELANGER

DATE:  
 JULY 14-91



**REMY BELANGER INC.**

7.00S

6.00S

5.00S

4.00S

3.00S

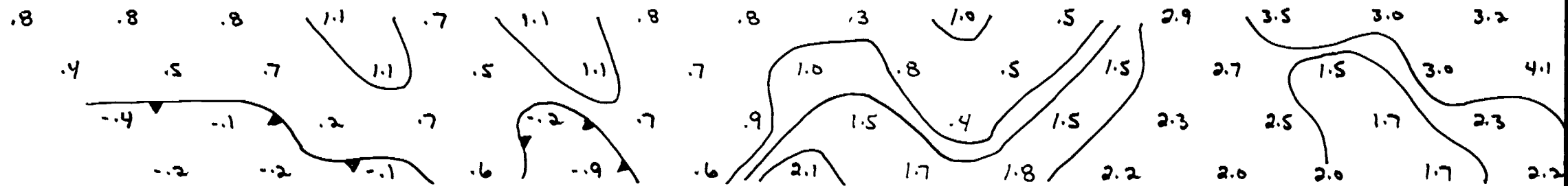
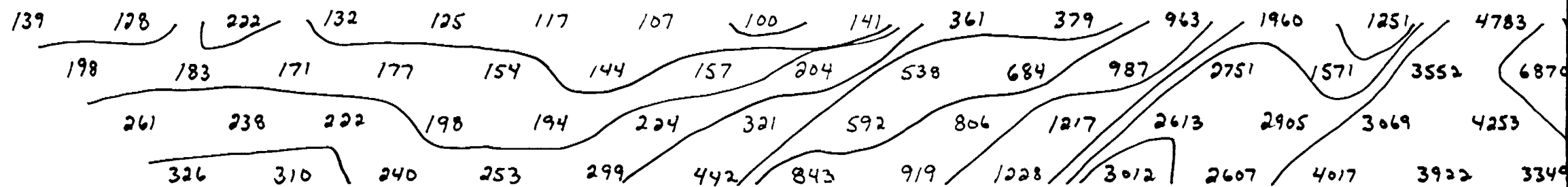
2.00S

1.00S

0

1.00N

2.00N



# INDUCED POLARIZATION AND RESISTIVITY SURVEY

COMPANY = G. BASTARACHE, ALEX MATHIAS  
 Property = ELLIOTT TWP.  
 LARDER LAKE, ONTARIO

3.00n      4.00n      5.00n      6.00n      7.00n  
 RESISTIVITY (APP) IN OHM METRES

N 1  
 N 2  
 N 3  
 N 4  
 N 5

1185  
 2676  
 97

PHASE (MRAD) AT 1.0 Hz.

N 1  
 N 2  
 N 3  
 N 4  
 N 5

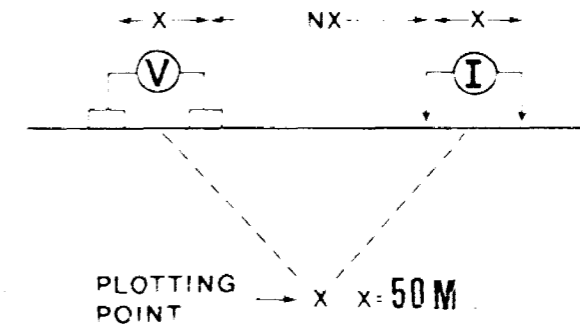
1.3  
 2.2

METAL FACTOR (APP)

N 1  
 N 2  
 N 3  
 N 4  
 N 5

LINE No. 8+25 W

ELECTRODE CONFIGURATION  
 (DIPOLE - DIPOLE)



SURFACE PROJECTION  
 OF ANOMALOUS ZONES

2.14389

- DEFINITE
- PROBABLE
- POSSIBLE

INSTRUMENT: PHOENIX IPV-4 SPECTRAL FREQUENCY: 1.0 Hz  
 IPT-1 CR-2

\*NOTE: CONTOURS AT LOGARITHMIC INTERVALS (1.1, 5.2, 3.5, 7.5, 10)

DATE SURVEYED:  
 JULY-11-91

APPROVED:  
*Remy Belanger*

OPERATOR:  
 REMY BELANGER

DATE:  
 JULY 14-91



**REMY BELANGER INC.**



700S

600S

500S

400S

300S

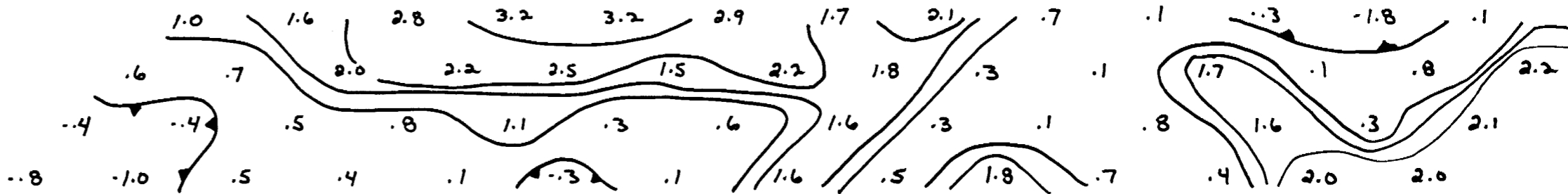
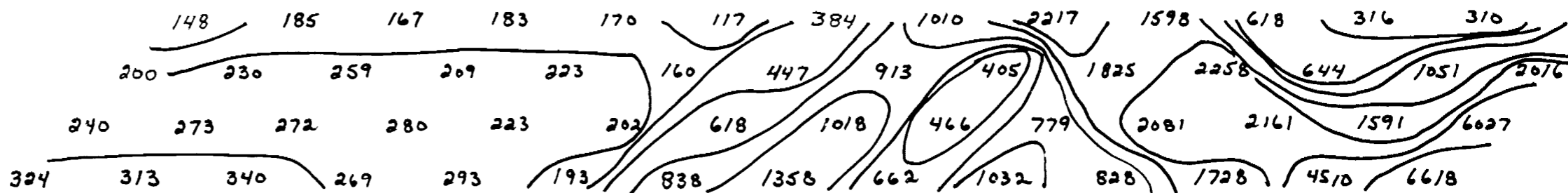
200S

100S

0

100N

200N



GRAVEL ROAD

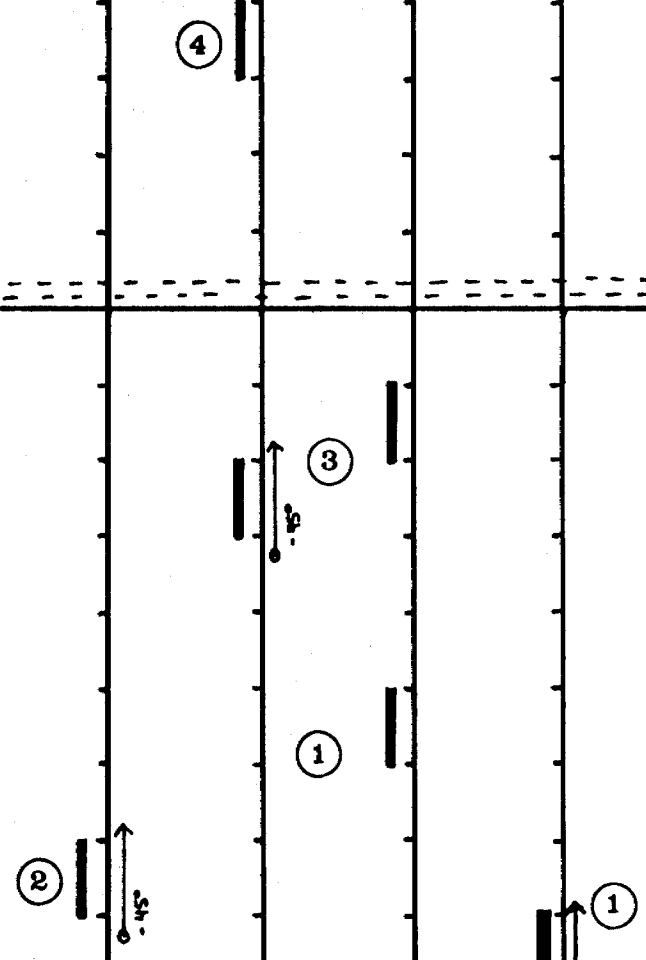
700N  
600N  
500N  
400N  
300N  
200N  
100N  
0100  
100S  
200S  
300S  
400S  
500S  
600S  
700S

Canal Road

CLAIM # 1110756 #1

L-825W  
L-725W  
L-625W  
L-525W  
L-425W  
L-325W  
L-225W  
L-125W  
L-025W

ELLIOTT TWP.  
TANNAHILL TWP.





100S  
200S  
300S  
400S  
500S  
600S  
700S

L-825W L-725W L-625W L-525W L-425W L-325W L-225W L-125W L-025W

ELLIOTT TWP.  
TANNAHILL TWP.

**INDUCED POLARIZATION SURVEY**  
**COMPANY: G. BASTARACHE, ALEX MATHIAS**  
**PROPERTY: ELLIOTT TWP., ONTARIO**

**SURFACE PROJECTION OF ANOMALOUS ZONES**

DEFINITE   
 PROBABLE 

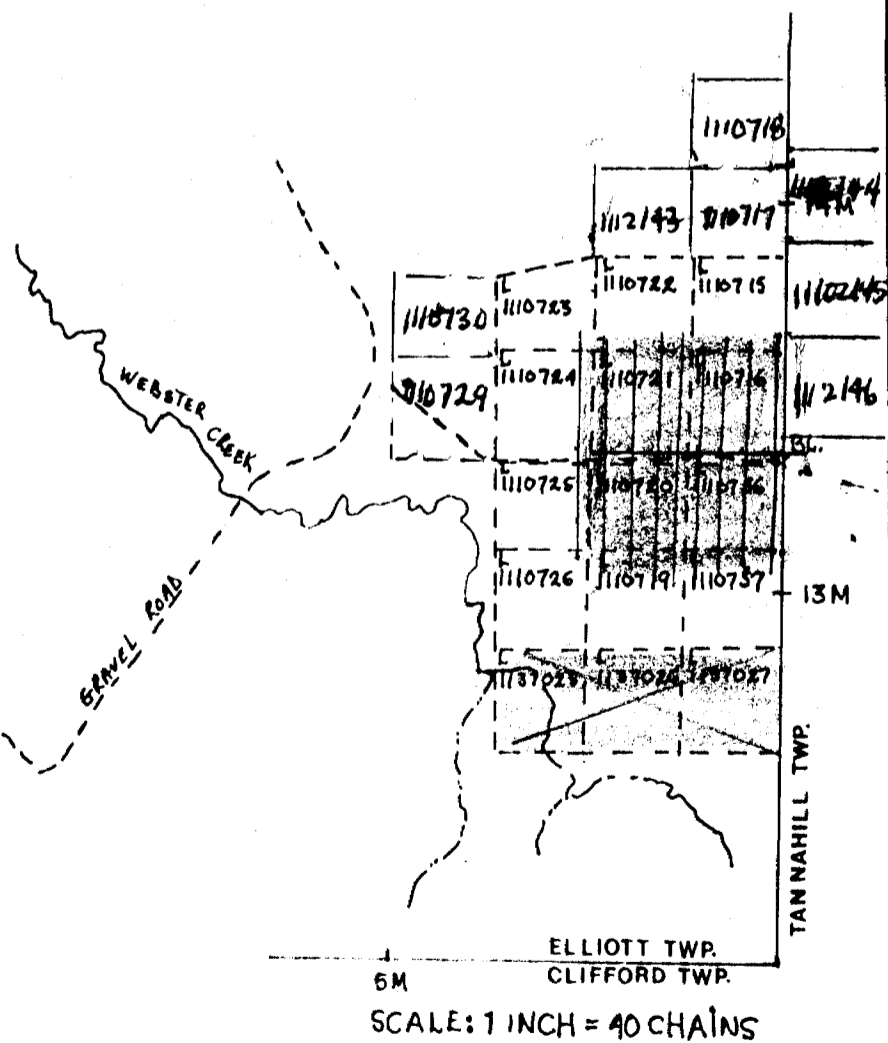
JULY 1991

**INSTRUMENT: PHOENIX IPV 4 SPECTRAL 1.0 hz.**

50 m spreads 1 cm = 50 m REMY BELANGER

*Remy Belanger*

 PROPOSAL DRILL HOLE



700N  
600N  
500N  
400N  
300N  
200N  
100N  
0+00  
100S  
200S  
300S  
400S  
500S  
600S  
700S

GRAVEL ROAD

CLAIM # 1110756 #1

L-825 W

L-725 W

L-625 W

L-525 W

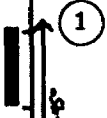
L-425 W

L-325 W

L-225 W

L-125 W

L-025 W



4

ELLIOTT TWP.  
TANNAHILL TWP.

100S  
200S  
300S  
400S  
500S  
600S  
700S

L-825W L-725W L-625W L-525W L-425W L-325W L-225W L-125W L-025W

ELLIOTT TWP.  
TANNAHILL TWP.


**INDUCED POLARIZATION SURVEY**

COMPANY: G. BASTARACHE, ALEX MATHIAS

PROPERTY: ELLIOTT TWP., ONTARIO

SURFACE PROJECTION OF ANOMALOUS ZONES

DEFINITE 

PROBABLE 

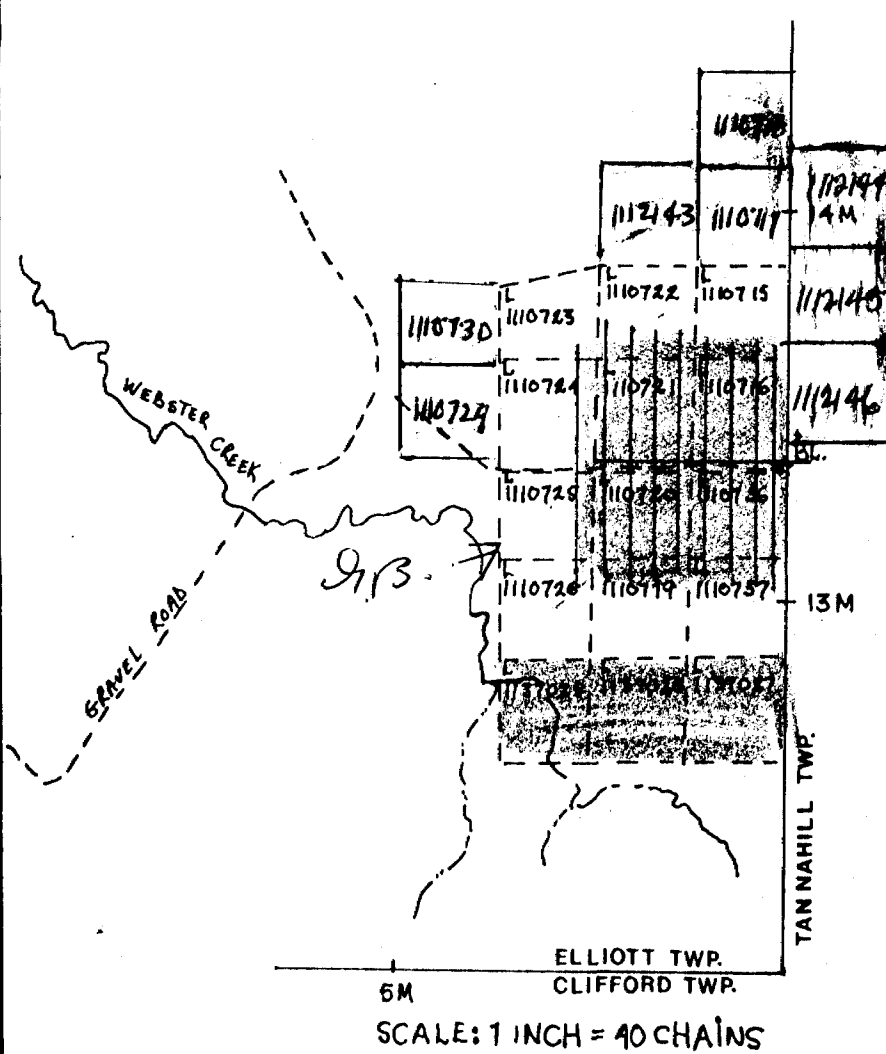
JULY 1991

INSTRUMENT: PHOENIX IPV 4 SPECTRAL 1.0 hz.

50 m spreads 1 cm = 50 m REMY BELANGER

*Remy Belanger*

 PROPOSAL DRILL HOLE





Ontario



32D05NW0057 2.14389 ELL10TT

900

Ministry of  
Northern Development  
and Mines

Ministère du  
Développement du Nord  
et des Mines

Mining Lands Branch  
Geoscience Approvals Section  
159 Cedar Street, 4th Floor  
Sudbury, Ontario  
P3E 6A5

February 3, 1992

Toll Free: 1-800-465-3880  
Telephone: (705) 670-7264  
Fax: (705) 670-7262

Mining Recorder  
Ministry of Northern Development  
and Mines  
4 Government Road East  
Kirkland Lake, Ontario  
P2N 1A2

Our File: 2.14389  
Your File: W.9180.05075

Dear Sir:

**SUBJECT: APPROVAL OF ASSESSMENT WORK SUBMITTED ON MINING CLAIMS  
L. 1110715 ET AL ELLIOTT TOWNSHIP.**

The deficiencies within your report of work (W9180-05075) have been rectified.

The assessment work credits for the Geophysical Survey, under section 14 of the Mining Act Regulations, submitted on the above work report have been approved as of February 3, 1992.

The Assessment credit form enclosed supersedes the one filed as part of the original submission.

Please indicate this approval on your records.

Yours sincerely,

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

TAA/jl  
Enclosures:

cc: Assessment Files Office  
Toronto, Ontario

Resident Geologist  
Kirkland Lake, Ontario

ASSESSMENT WORK CREDIT FORM

FILE NUMBER: 2.14389

DATE: February 3, 1992

RECORDER'S REPORT NUMBER: W9180-05075

RECORDED HOLDER: Gerard Bastarache

CLIENT NUMBER: 105509

TOWNSHIP OR AREA: Elliott Township.

1) Assessment Credit for I. P. over 10 mining claims.

Total Assessment Credit claimed: \$ 7,970.60.

Level of Assessment Credit Approved on February 3, 1992 is \$ 7,970.60

CLAIM NO.	VALUE OF ASSESSMENT WORK DONE ON CLAIM	VALUE APPLIED TO THIS CLAIM	VALUE ASSIGNED FROM CLAIM	RESERVE
L 1110715	\$ 398.53	\$ 200.00	\$ 198.53	\$ 0.00
L 1110716	\$ 1556.62	\$ 0.00	\$ 1556.62	\$ 0.00
L 1110719	\$ 398.53	\$ 442.94	\$ 0.00	\$ 0.00
L 1110720	\$ 1556.62	\$ 200.00	\$ 1356.62	\$ 0.00
L 1110721	\$ 1556.62	\$ 0.00	\$ 1036.62	\$ 520.00
L 1110722	\$ 398.53	\$ 200.00	\$ 198.53	\$ 0.00
L 1110724	\$ 75.00	\$1160.00	\$ 0.00	\$ 0.00
L 1110725	\$ 75.00	\$ 120.00	\$ 0.00	\$ 0.00
L 1110756	\$ 1556.62	\$ 0.00	\$ 1556.62	\$ 0.00
L 1110757	\$ 398.53	\$ 282.04	\$ 116.49	\$ 0.00
L 1110717	\$ 0.00	\$1160.00	\$ 0.00	\$ 0.00
L 1110718	\$ 0.00	\$1160.00	\$ 0.00	\$ 0.00
L 1110723	\$ 0.00	\$1160.00	\$ 0.00	\$ 0.00
L 1110726	\$ 0.00	\$ 442.94	\$ 0.00	\$ 0.00
L 1110729	\$ 0.00	\$ 922.68	\$ 0.00	\$ 0.00
<b>15 CLAIMS</b>	<b>\$ 7970.60</b>	<b>\$ 7450.60</b>	<b>\$6020.03</b>	<b>\$520.00</b>

Report of Work Conducted After Recording Claim

Mining Act

Transaction Number DOCUMENT No. W9180.05075

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 8A5, telephone (705) 870-7264.

- 12.14889
- Instructions:**
- Please type or print and submit in duplicate.
  - Refer to the Mining Act and Regulations for requirements of filing assessment work or consult the Mining Recorder.
  - A separate copy of this form must be completed for each Work Group.
  - Technical reports and maps must accompany this form in duplicate.
  - A sketch, showing the claims the work is assigned to, must accompany this form.

Recorded Holder(s) <b>GERARD BASTARACHE</b>	Client No. <b>105509</b> <b>M-15468</b>
Address <b>25 TWEEDSMUIR RD apt 309 KIMBLAND LAKE ONT</b>	Telephone No. <b>1-705-568-8107</b>
Mining Division <b>LARDER LAKE</b>	Township/Area <b>ELLIOTT TOWNSHIP</b>
Dates Work Performed From: <b>JULY 8/91</b>	To: <b>JULY 14/91</b>

Work Performed (Check One Work Group Only)

Work Group	Type
Geotechnical Survey	<b>GEOPHYSIC SURVEY IP. AND LINES.</b>
Physical Work, Including Drilling	
Rehabilitation	<b>RECEIVED</b>
Other Authorized Work	<b>DEC 19 1991</b>
Assays	<b>105</b>
Assignment from Reserve	<b>MINING LANDS BRANCH</b>

Total Assessment Work Claimed on the Attached Statement of Costs \$ **7,970.60**

**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
<b>REMI BELANGER ENRG</b>	<b>Box 40 329W, Blvd Evain P. Quebec J0Z 1Y0</b>

(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 <b>Nov 6 1991</b>	Recorded Holder or Agent (Signature) <b>Gerard Bastarache</b>
--	---------------------------	--

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 <b>Gerard Bastarache 25 Tweedsmuir Rd apt 309 Kimbland Lk, ont p2N 3M8</b>		
Telephone No. <b>1-705-568-8107</b>	Date <b>Nov 6 1991</b>	Certified By (Signature) <b>Gerard Bastarache</b>

For Office Use Only

Total Value Cr. Recorded <b>\$ 7970.60</b>	Date Recorded <b>Nov 6/91</b>	Mining Recorder <b>[Signature]</b>	Received Stamp <b>LARDER LAKE DIVISION</b> <b>NOV 5 PM 1 46</b>
	Deemed Approval Date <b>Feb 4/92</b>	Date Approved	
	Date Notice for Amendments Sent		



Work Report Number for Applying Reserve	Claim Number (see Note 2)	Number of Claim Units
	1110715	
	1110716	
	1110719	
	1110720	
	1110721	
	1110722	
	1110724	
	1110725	
1	1110756	
	1110757	
	11107 <sup>9/13</sup> 57	
	1110718	
	1110723	
	1110726	
	1110729	
	15	

Total Number of Claims

Value of Assessment Work Done on this Claim	Value Applied to this Claim
\$ 797.06	\$ 200.00
\$ 797.06	0
\$ 797.06	\$ 442.94
\$ 797.06	\$ 200.00
\$ <sup>9/13</sup> 797.06	<del>\$ 200.00</del>
\$ 797.06	\$ 200.00
\$ 797.06	\$ 1,160.00
\$ 797.06	\$ <sup>120.00</sup> <del>646.00</del>
\$ 797.06	0
\$ 797.06	\$ 282.04
	\$ 1,160.00
	\$ 1,160.00
	\$ 1,160.00
	\$ 442.94
	\$ 922.68
	7450.60
\$ 7,970.60	<del>\$ 7,970.60</del>

Total Value Work Done

Total Value Work Applied

Value Assigned from this Claim	Reserve: Work to be Claimed at a Future Date
597.06	
797.06	
354.12	
597.06	
797.06	
597.06	
0	
677.06 <del>1510.06</del>	520.00
797.06	
515.02	
0	
0	
0	
0	
0	
0	

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:

- 1.  Credits are to be cut back starting with the claim listed last, working backwards.
- 2.  Credits are to be cut back equally over all claims contained in this report of work.
- 3.  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.	Date
Signature	



Ministry of  
Northern Development  
and Mines  
Ministère du  
Développement du Nord  
et des mines

**Statement of Costs  
for Assessment Credit**

**État des coûts aux fins  
du crédit d'évaluation**

**Mining Act/Loi sur les mines**

DOCUMENT NO.  
Transaction No./N° de transaction  
W9180 • 05015

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<sup>e</sup> 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	\$2,000	
	Field Supervision Supervision sur le terrain		
Contractor's and Consultant's Fees Droits de l'entrepreneur et de l'expert- conseil	Type 20 Days		
	Cutting hours \$100 per day		
Supplies Used Fournitures utilisées	Type		
Equipment Rental Location de matériel	Type		
<b>Total Direct Costs Total des coûts directs</b>			<b>2000.</b>

**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		
Food and Lodging Nourriture et hébergement			
Mobilization and Demobilization Mobilisation et démobilisation			
<b>Sub Total of Indirect Costs Total partiel des coûts indirects</b>			<b>0</b>
<b>Amount Allowable (not greater than 20% of Direct Costs) Montant admissible (n'excédant pas 20 % des coûts directs)</b>			
<b>Total Value of Assessment Credit (Total of Direct and Allowable indirect costs)</b>		<b>Valeur totale du crédit d'évaluation (Total des coûts directs et indirects admissibles)</b>	<b>2000.</b>

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
	× 0.50 =

**Remises pour dépôt**

1. Les travaux déposés dans les deux ans suivant leur achèvement sont remboursés à 100 % de la valeur totale susmentionnée du crédit d'évaluation.
2. 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
	× 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 \_\_\_\_\_ I am authorized  
(Recorded Holder, Agent, Position in Company)

to make this certification

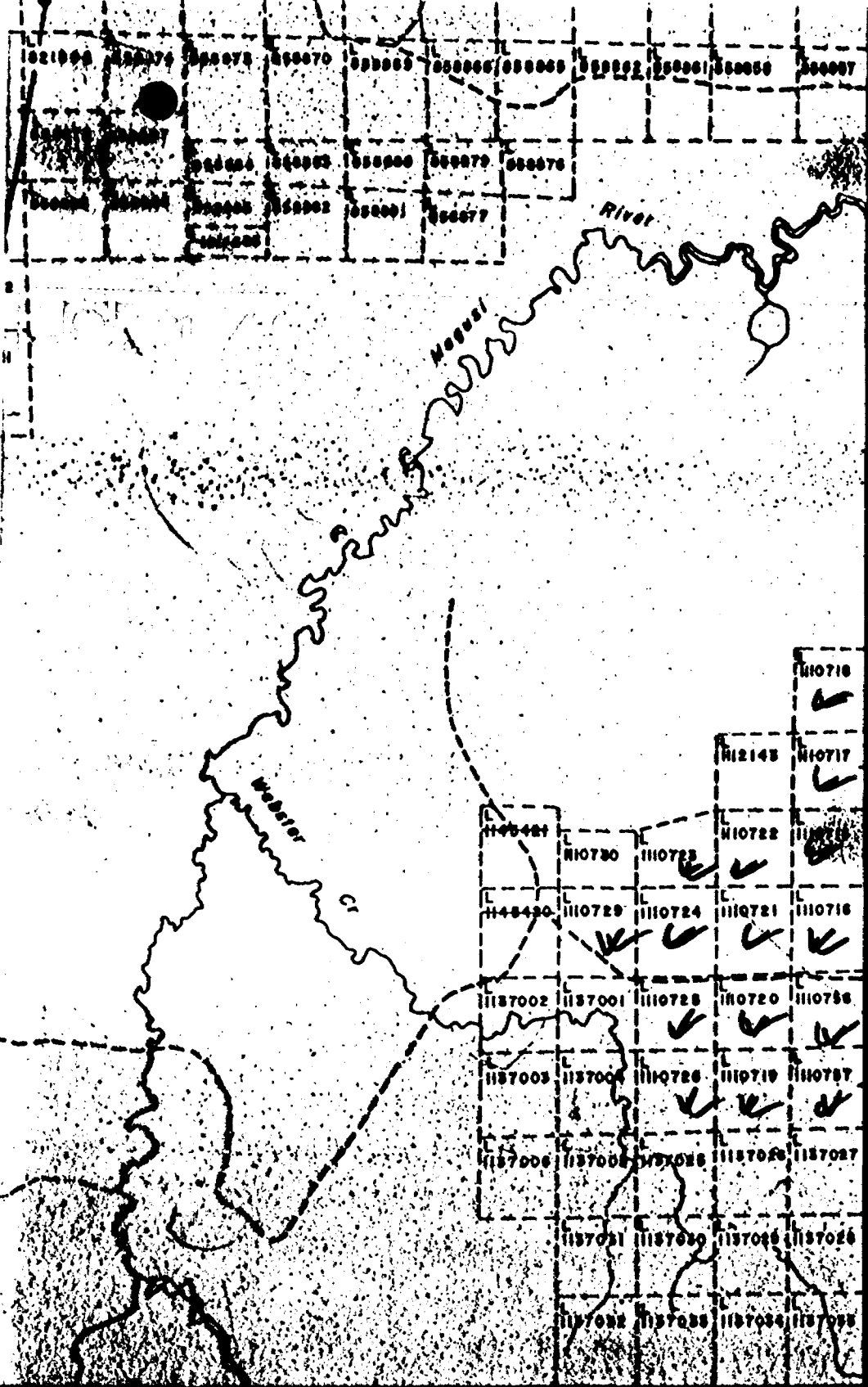
**Attestation de l'état des coûts**

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)

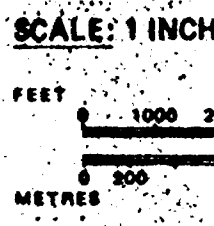
à faire cette attestation.

Signature	Date



CANNAHILL TOWNSHIP

**TYPE OF DOCUMENT**  
 PATENT, SURFACE  
 SURFACE  
 MINING  
 SURFACE  
 MINING R  
 LICENSE OF OCC  
 ORDER-IN-COUN  
 RESERVATION  
 CANCELLED  
 SAND & GRAVEL



TOWNSHIP

**ELLI**

M. N. R. ADMINI

**KIRKLAN**

MINING DIVIS

**LARDER**

LAND OFFICE

**COCHRA**

19 M

15 M

14 M

13 M

Gerard Bastarache  
25 Tweedsmuir Road  
Apt. 309  
KIRKLAND LAKE, Ontario  
P2N 3M8  
Phone 1-705-568-8107

MINING LICENSE #M-15468

RECEIVED

JAN 31 1992

Mining Lands Division  
Geoscience Approvals Section  
159 Cedar Street, 4th Floor  
SUDBURY, Ontario  
P3E 6A5

MINING LANDS DIVISION

FILE NUMBER 2.14389

1) Instrument Used, And Method:-

Instrument: Phoenix Receiver I.P. Turbo V-4 spectral with 1.0 HZ frequency measuring the phase in millirad. Transmitter I.P. T-1 Phoenix and a generator of 1.0 KW of power.  
Reading every 50M-25M for detail on anomalies.

2) Reason for Survey:-

Sulphides showing with zinc and copper, lead and silver. This assay are very low but they are present around anomaly #4.  
Anomaly #4 will be stripped in the spring and possibly a drill hole. By prospecting in 1988, I found this showing in fractor and around pillow braccia, and quartz veins. Remi Belanger and experienced geophysicist believed that this anomaly are sulphides and recommend stripping #4 anomaly for a possible mineral pipe, that is the reason for this survey.

3) History of Previous Work on this Claim Group:-

In 1988, I prospected this claim and never saw any previous sign of work of any type. By removing overburden and moss etc., I found quite alot of sulphides with the mineral in the braccia and calcite etc.  
With this result, I decided to do more work on the property.

*Gerard Bastarache*

Hoping this report is satisfactory,

Yours truly,  
Gerard Bastarache

**REFERENCES**

**AREAS WITHDRAWN FROM DISPOSITION**

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

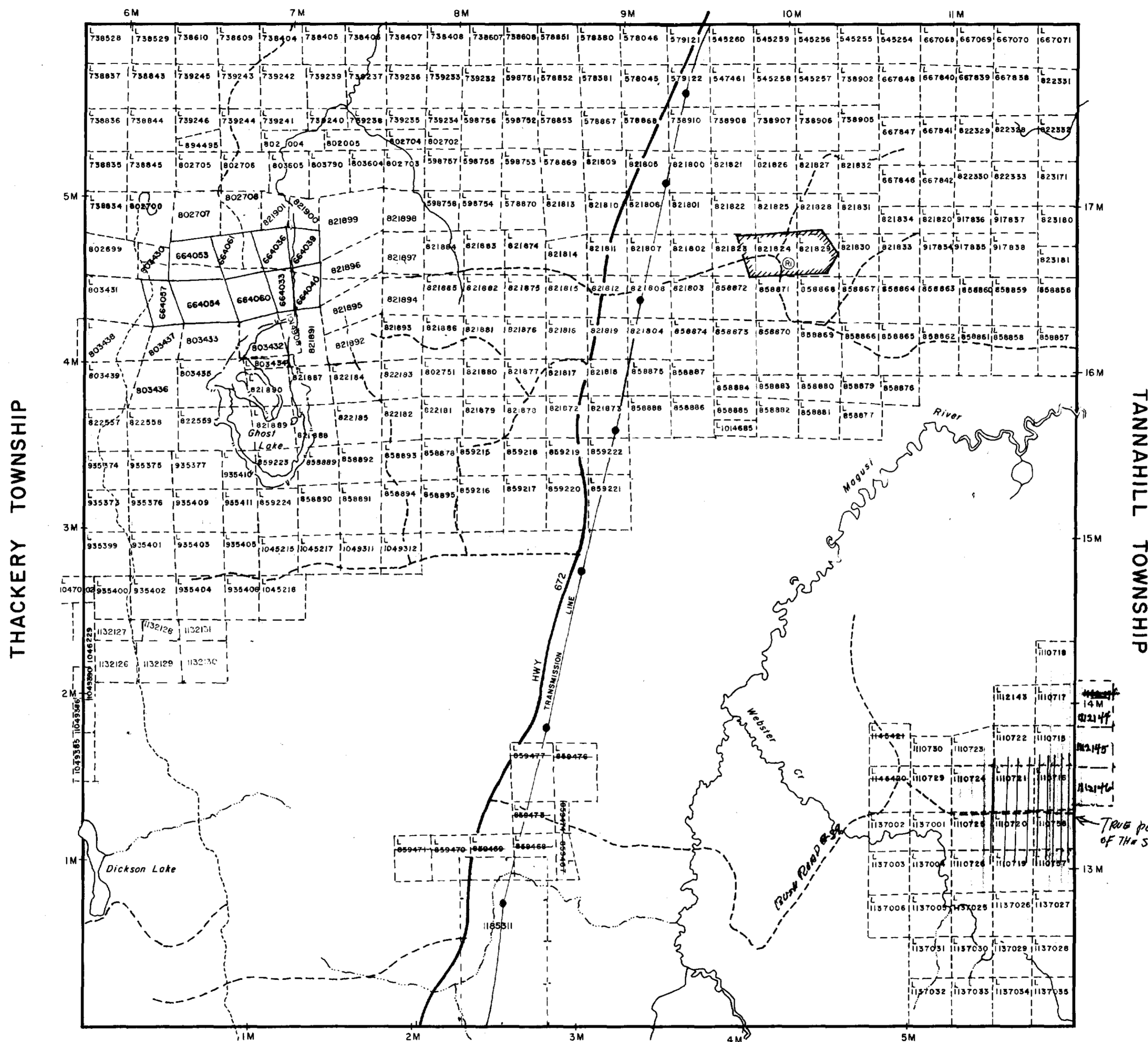
Description    Order No.    Date    Disposition    File

Ⓜ MNR GRAVEL PIT 36-34

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.

NOTICE FORESTRY ACTIVITY  
THIS TOWNSHIP FALLS WITHIN THE  
ABITIBI MANAGEMENT UNIT AND MAY BE  
SUBJECT FORESTRY OPERATIONS  
THE MNR FORESTER FOR THIS AREA CAN BE  
CONTACTED AT:  
P.O. BOX 129  
SWASTIKA, ONTARIO  
P0K 1T0  
705-642-3222

**HARKER TOWNSHIP**



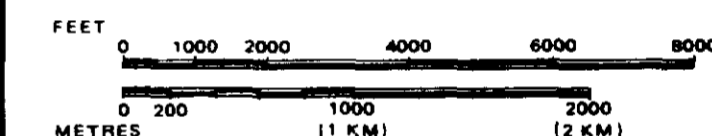
**LEGEND**

- 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	○

SCALE: 1 INCH = 40 CHAINS



TOWNSHIP

**ELLIOTT**

M.N.R. ADMINISTRATIVE DISTRICT  
KIRKLAND LAKE  
MINING DIVISION  
LARDER LAKE  
LAND TITLES / REGISTRY DIVISION  
COCHRANE



Ministry of Natural Resources  
Ministry of Northern Development and Mines

Date MAY 1990

Number

**G-3633**

CIRCULATED SEPTEMBER 20, 1990

G-3633

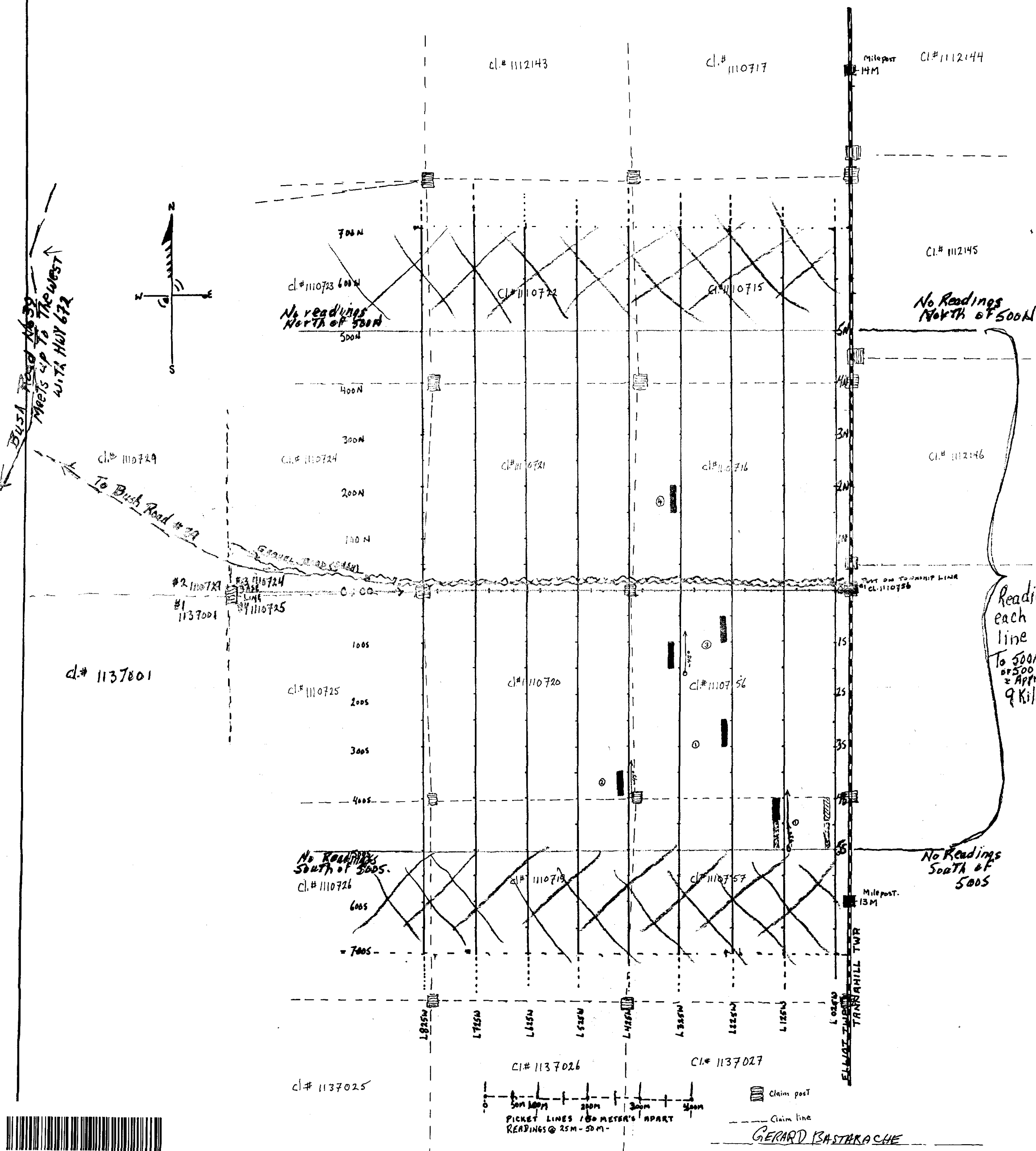
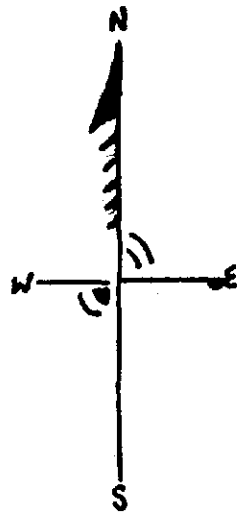
ELLIOTT TWP.

G-3633



32055W0057 2.14389 ELL107

Bush Road No 39  
MEETS UP TO THE WEST  
WITH HWY 672  
To Bush Road # 29



Gerard Bastache