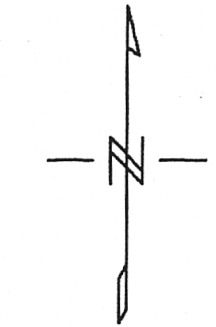
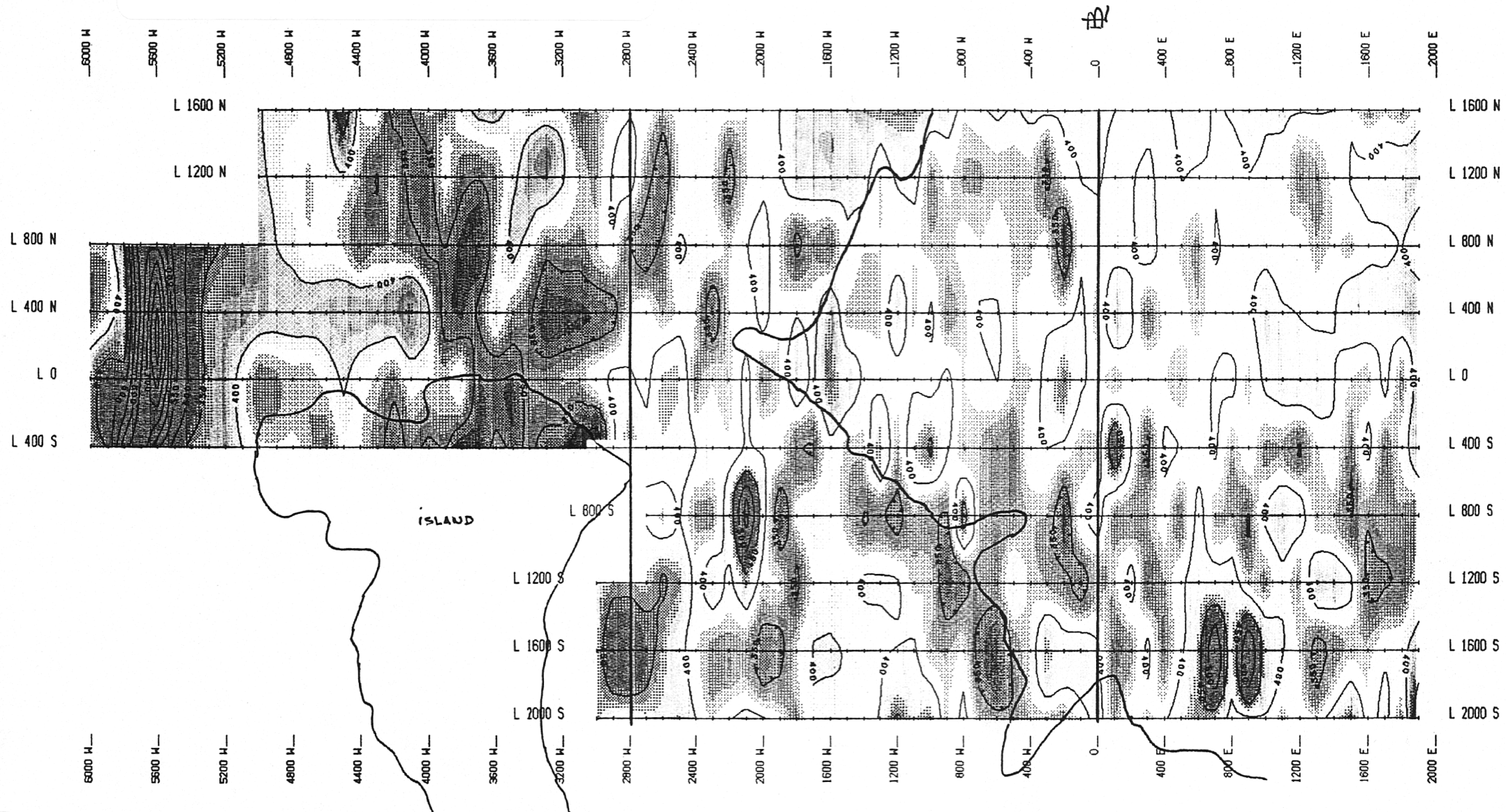


# GM 48072

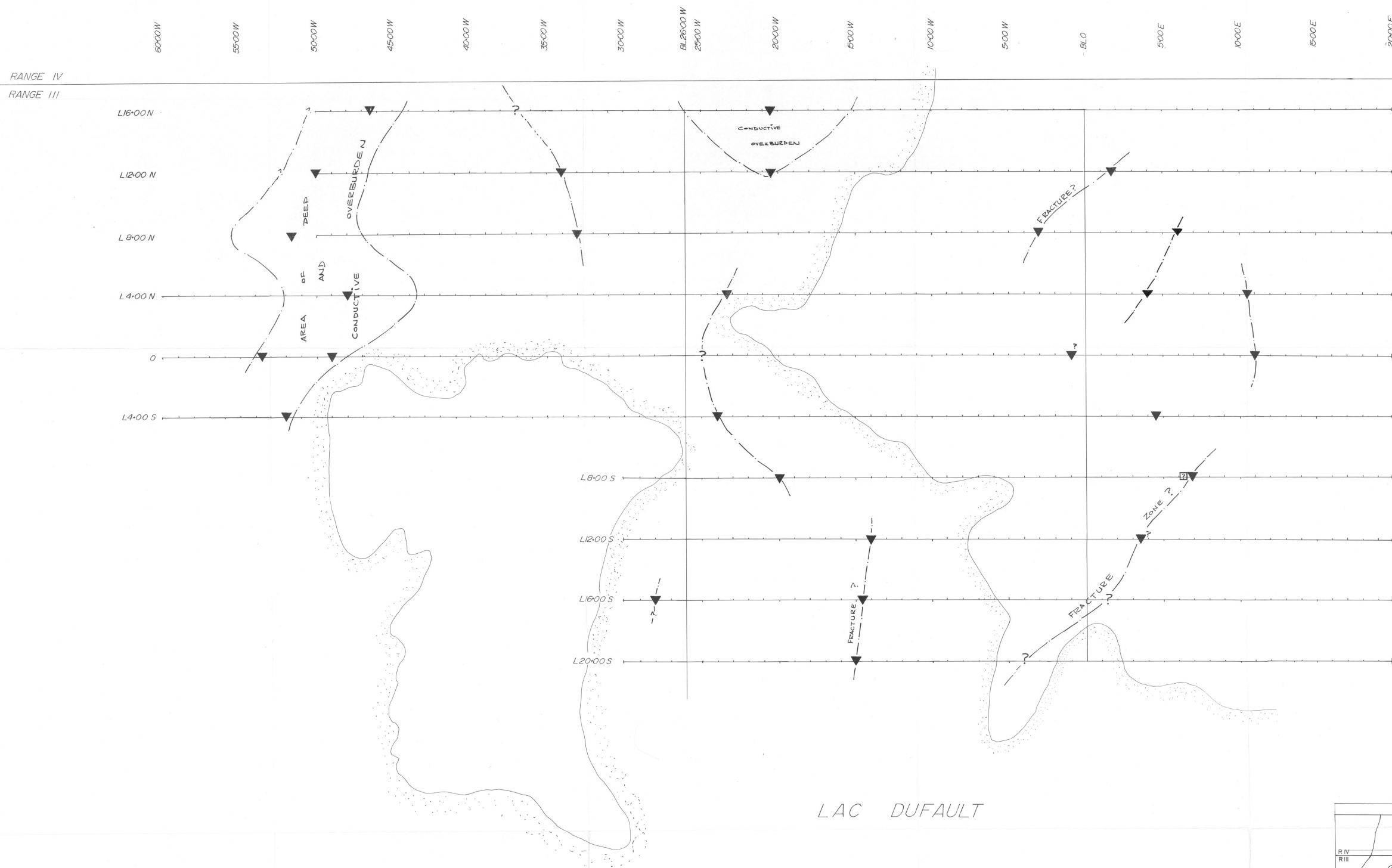


Inclination: -76 Deg  
Declination: 12 Deg W

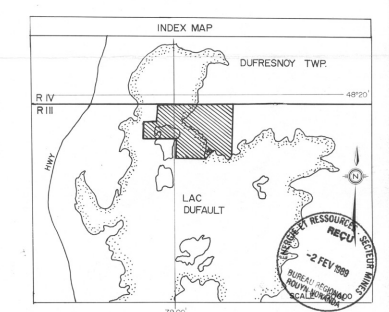
0 500 1000  
FEET

Survey by: Meegwich Inc.

N.S.R. RESOURCES Inc  
LAKE DUFALT Project  
TOTAL FIELD MAGNETICS  
50 GAMMA CONTOURS  
SCALE 1" = 800'  
NTS 32D Feb 88



□ : Weak Polarization Anomaly  
▼ : Low Resistivity Feature (Fracture Zone with deep overburden?)



Ministère de l'Énergie et des Ressources  
Service de la Géoinformation  
Date : 8 AVR 1988  
No G.M. : 18072

**LAKE DUFAULT  
PROJECT**

**NEW SENATOR RESOURCES**  
**INDUCED POLARISATION SURVEY**  
**COMPILATION of ANOMALIES**  
**MEEGWICH INC**

DATE: NOVEMBER 1987  
DRAWING BY: A. LARONDE  
APPROVED BY:  
INSTRUMENT: SCALE 1"=200'  
50 100 200 300 400 M



6000W

5500W

5000W

4500W

4000W

3500W

3000W

BL 2600 W  
2500 W

2000W

1500W

1000W

500W

BLO

500E

1000E

1500E

2000E

RANGE IV

RANGE III

L16+00 N

L12+00 N

L8+00 N

L4+00 N

0

L4+00 S

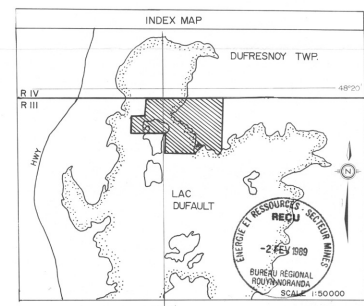
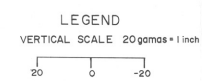
L8+00 S

L12+00 S

L16+00 S

L20+00 S

LAC DUFALT



Ministère de l'énergie et des ressources  
Service de la Géoinformation  
Date: 6 AVR 1999  
No GAC: 15072

LAKE DUFALT  
PROJECT

NEW SENATOR RESOURCES

MAGNETOMETER SURVEY  
GRADIENT

MEEGWICH INC

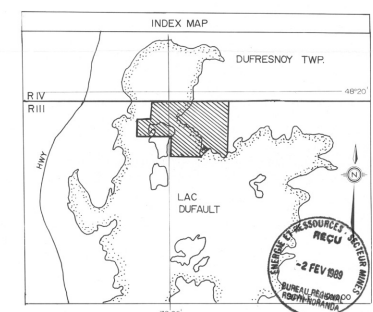
DATE: NOVEMBER 1987  
DRAWING BY: A. LARONDE  
APPROVED BY:  
INSTRUMENT: SCALE 1" = 200'  
GRADIOMETER  
SENSOR SEP. 0.5 m.



RANGE IV  
RANGE III



LEGEND  
- CONTOUR INTERVAL 50 gammas  
- BASE 58,000 gammas



Ministère de l'Énergie et des Ressources  
Service de la Géoinformation  
Date: 6 AVE 89  
No. 151722

LAKE DUFALT  
PROJECT

NEW SENATOR RESOURCES  
MAGNETOMETER SURVEY  
TOTAL FIELD  
MEEGWICH INC

DATE: NOVEMBER 1987  
DRAWING BY: A. LARONDE  
APPROVED BY: D. LARONDE  
INSTRUMENT: EDA OMNI IV  
SCALE: 1" = 200'  
1:50,000 1:100,000 1:200,000 1:400,000

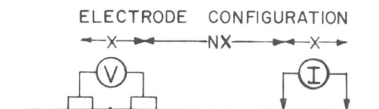


COMPANY: **NEW SENATOR RESOURCES**

PROPERTY: **LAKE DUFALT PROJECT**

**ROUYN-NORANDA P.Q.**

LINE NO. - 20-5 -



PLOTTING POINT  
X=200'

□ : Weak Polarization Anomaly  
▼ : Low Resistivity Feature (Fracture Zone with deep overburden??)

SURFACE PROJECTION  
OF ANOMALOUS ZONES

FREQUENCIES: **25 & 4.0 HZ.**

DEFINITE ———

PROBABLE |||||

POSSIBLE / / / /

NOTE: CONTOURS AT  
LOGARITHMIC INTERVALS  
1, 1.5, 2, 3, 5, 7.5, 10.0

INSTRUMENT : PHOENIX IPV-1  
IPT-1

CONTRACTOR : REMY BELANGER ENRG.

DATE SURVEYED:

DEC. 22 - 1987

JAN. 12 - 1988

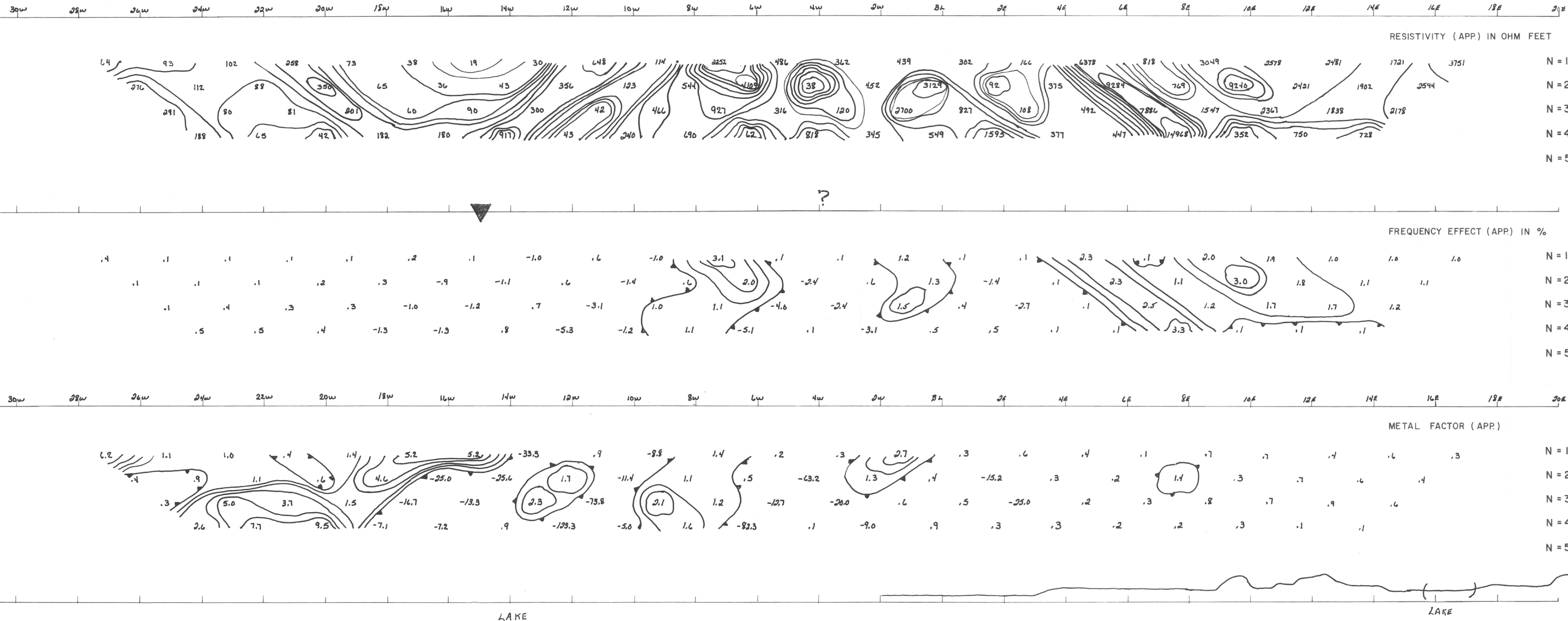
OPERATOR: **P. FAUBERT**

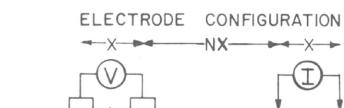
APPROVED

Gérard Lambert  
33174  
QUEBEC

DATE:

# INDUCED POLARIZATION AND RESISTIVITY SURVEY



COMPANY: **NEW SENATOR RESOURCES**PROPERTY: **LAKE DUFALT PROJECT****ROUYN-NORANDA P.Q.**LINE NO. - 16-S-

□ : Weak Polarization Anomaly  
▼ : Low Resistivity Feature (Fracture Zone with deep overburden?)

SURFACE PROJECTION  
OF ANOMALOUS ZONESFREQUENCIES: 25 & 4.0 HZ.

DEFINITE

PROBABLE

POSSIBLE

NOTE: CONTOURS AT  
LOGARITHMIC INTERVALS  
1, 1.5, 2, 3, 5, 7.5, 10.0INSTRUMENT : PHOENIX IPV-1  
IPT-1

CONTRACTOR : REMY BELANGER ENRG.

DATE SURVEYED:

DEC. 22 - 1987  
JAN. 10 - 1988OPERATOR: P. FAUBERT

APPROVED

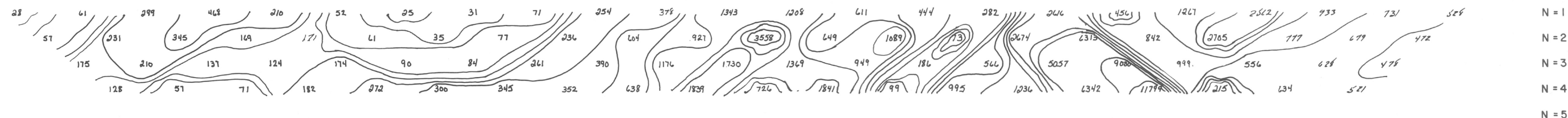


DATE:

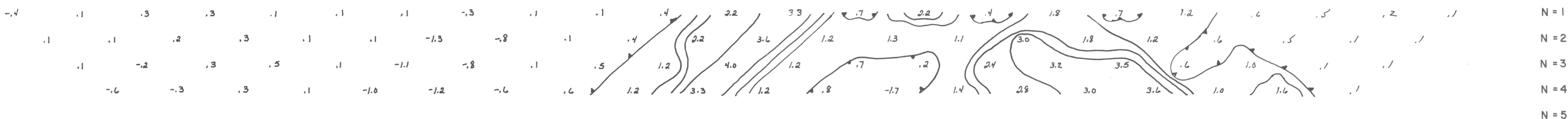
# INDUCED POLARIZATION AND RESISTIVITY SURVEY

30w 28w 26w 24w 22w 20w 18w 16w 14w 12w 10w 8w 6w 4w 2w 2L 2E 4E 6E 8E 10E 12E 14E 16E 18E 20E

RESISTIVITY (APP.) IN OHM FEET

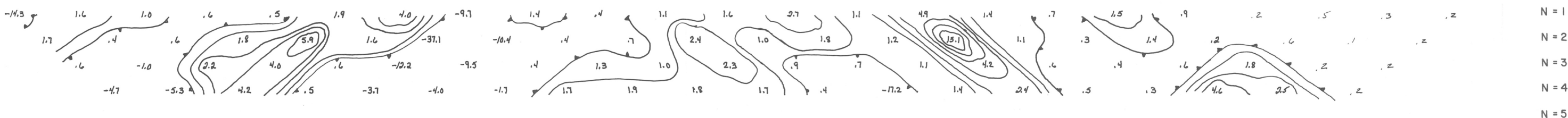


FREQUENCY EFFECT (APP.) IN %



30w 28w 26w 24w 22w 20w 18w 16w 14w 12w 10w 8w 6w 4w 2w 2L 2E 4E 6E 8E 10E 12E 14E 16E 18E 20E

METAL FACTOR (APP.)



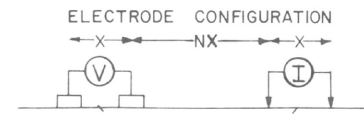
LATE

COMPANY: **NEW SENATOR RESOURCES**

PROPERTY: **LAKE DUFAULT PROJECT**

**ROUYN-NORANDA P.Q.**

LINE NO. - 12-5-



PLOTTING POINT  
X = 200'

□: Weak Polarization Anomaly  
▼: Low Resistivity Feature (Fracture Zone with deep overburden?)

SURFACE PROJECTION  
OF ANOMALOUS ZONES

FREQUENCIES: 25 & 4.0 HZ.

DEFINITE

PROBABLE

POSSIBLE

NOTE: CONTOURS AT  
LOGARITHMIC INTERVALS  
1, 1.5, 2, 3, 5, 7.5, 10.0

INSTRUMENT : PHOENIX IPV-1  
IPT-1

CONTRACTOR : REMY BELANGER ENRG.

DATE SURVEYED:

APPROVED

DEC. 22 - 1987  
JAN. 10 - 1988

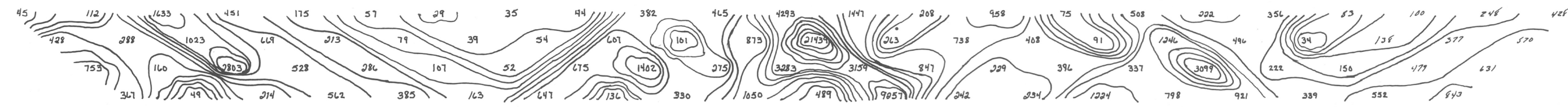


OPERATOR: P. FAUBERT

DATE:

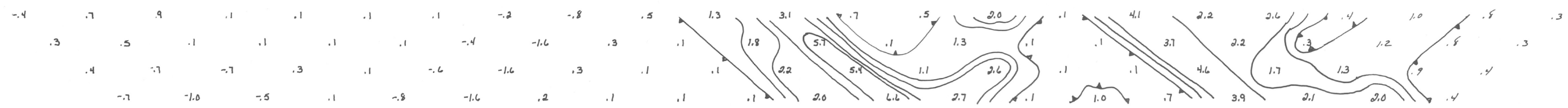
# INDUCED POLARIZATION AND RESISTIVITY SURVEY

RESISTIVITY (APP.) IN OHM FEET



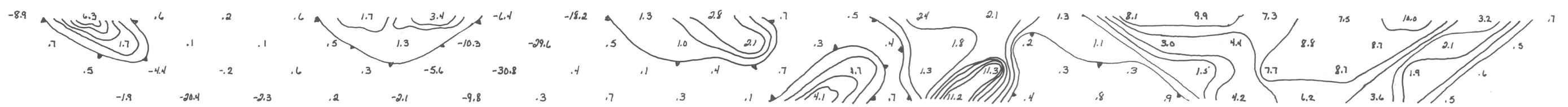
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N = 2  
N = 3  
N = 4  
N = 5

FREQUENCY EFFECT (APP.) IN %



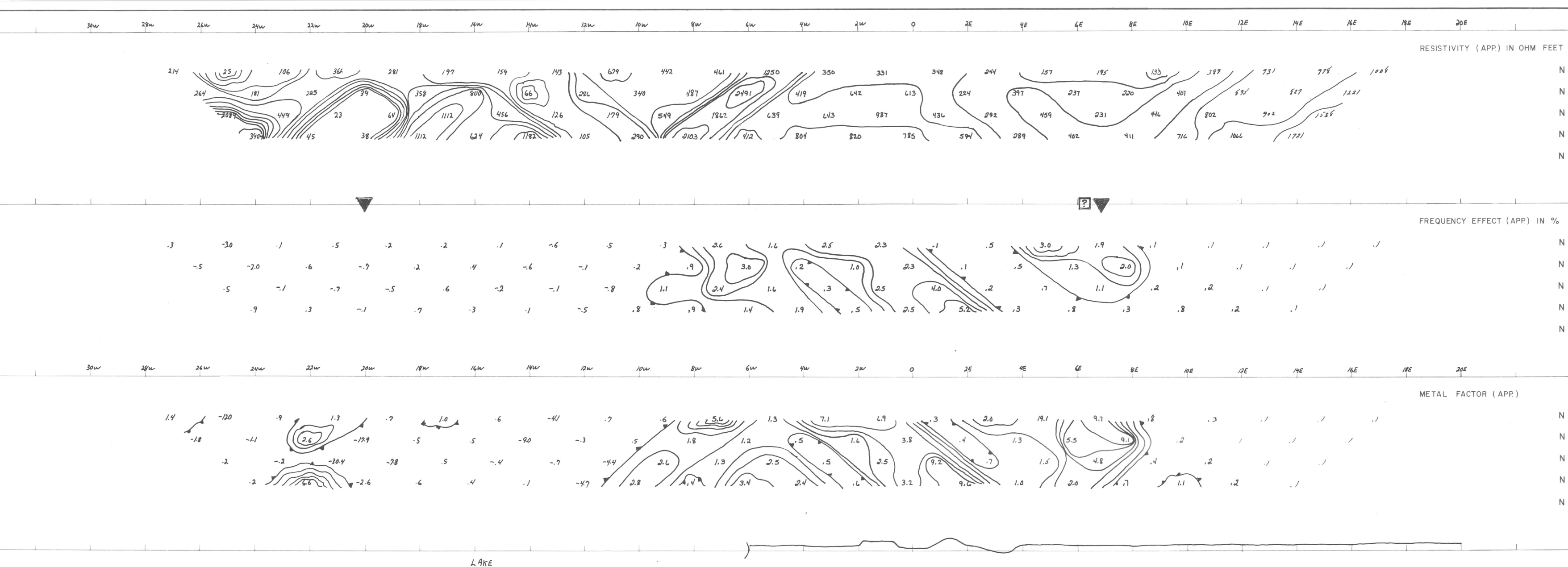
N = 1  
N = 2  
N = 3  
N = 4  
N = 5

METAL FACTOR (APP.)



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

LAKE



Ministère de l'Énergie et des Ressources  
Service de la Géoinformation  
Date: 5 Avril 1989  
No G.M.: 48072

COMPANY: **NEW SENATOR RESOURCES**

PROPERTY: **LAKE DUFALT PROJECT**  
**ROUYN-NORANDA P.Q.**

LINE NO. — 8-5

ELECTRODE CONFIGURATION  
← X → NX → X →  
V I  
PLOTING POINT → X X=200'

□ : Weak Polarization Anomaly  
▼ : Low Resistivity Feature (Fracture Zone with deep overburden?)

SURFACE PROJECTION OF ANOMALOUS ZONES

DEFINITE —————  
PROBABLE |||||  
POSSIBLE // / / /

FREQUENCIES: 25 & 4.0 HZ.

NOTE: CONTOURS AT LOGARITHMIC INTERVALS 1, 1.5, 2, 3, 5, 7.5, 10.0

INSTRUMENT : PHOENIX IPV-1  
IPT-1

CONTRACTOR : REMY BELANGER ENRG.

DATE SURVEYED: DEC. 23 - 1987  
JAN. 10 - 1989

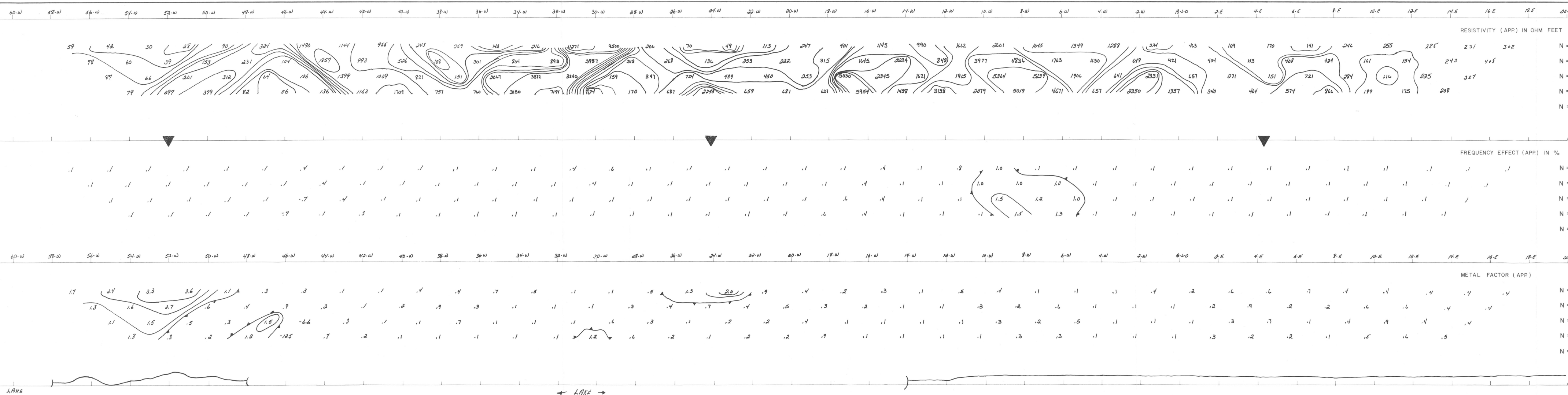
APPROVED: \_\_\_\_\_

OPERATOR: P. FAUBERT

DATE: \_\_\_\_\_

**INDUCED POLARIZATION  
AND RESISTIVITY SURVEY**





Ministère de l'Énergie et des Ressources  
Service de la Géoinformation  
Date: 5 Avr 1989  
No G.M.: 48072

COMPANY: **NEW SENATOR RESOURCES**  
PROPERTY: **LAKE DUFALT PROJECT**  
**ROUYN-NORANDA P.Q.**

LINE NO. - 4-S

ELECTRODE CONFIGURATION  
X X NX X X  
PLOTING POINT X=200'

☐ Weak Polarization Anomaly  
☒ Low Resistivity Feature (Fracture Zone with deep overburden?)

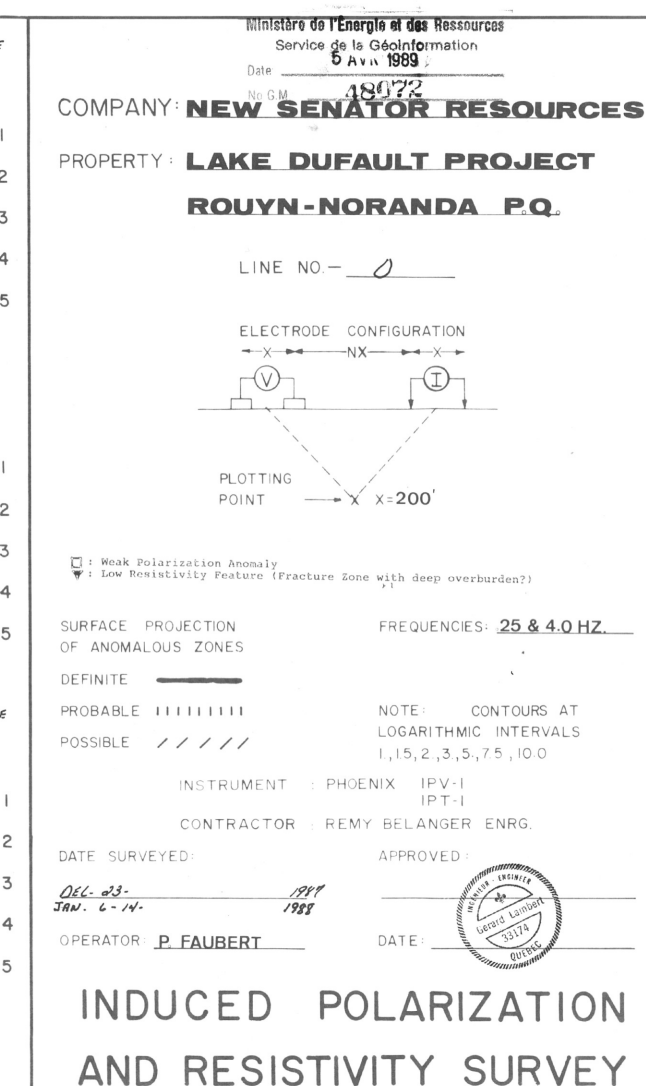
SURFACE PROJECTION OF ANOMALOUS ZONES  
DEFINITE   
PROBABLE   
POSSIBLE

INSTRUMENT : PHOENIX IPV-1  
CONTRACTOR : REMY BELANGER ENRG.

DATE SURVEYED: DEC. 23-1987  
JAN. 7-8-1988  
OPERATOR: P. FAUBERT

NOTE: CONTOURS AT LOGARITHMIC INTERVALS 1, 1.5, 2, 3, 5, 7.5, 10.0  
APPROVED:   
DATE:

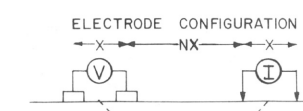
INDUCED POLARIZATION AND RESISTIVITY SURVEY



COMPANY: **NEW SENATOR RESOURCES**

PROPERTY: **LAKE DUFALDT PROJECT**  
**ROUYN-NORANDA P.Q.**

LINE NO.: 4-N



□: Weak Polarization Anomaly  
▼: Low Resistivity Feature (Fracture Zone with deep overburden?)

SURFACE PROJECTION  
OF ANOMALOUS ZONES

FREQUENCIES: 25 & 4.0 HZ.

DEFINITE

PROBABLE

POSSIBLE

NOTE: CONTOURS AT  
LOGARITHMIC INTERVALS  
1, 1.5, 2, 3, 5, 7.5, 10.0

INSTRUMENT: PHOENIX IPV-1  
IPT-1

CONTRACTOR: REMY BELANGER ENRG.

DATE SURVEYED:

DEC-23- 1987

JAN-6-15- 1988

OPERATOR: P. FAUBERT

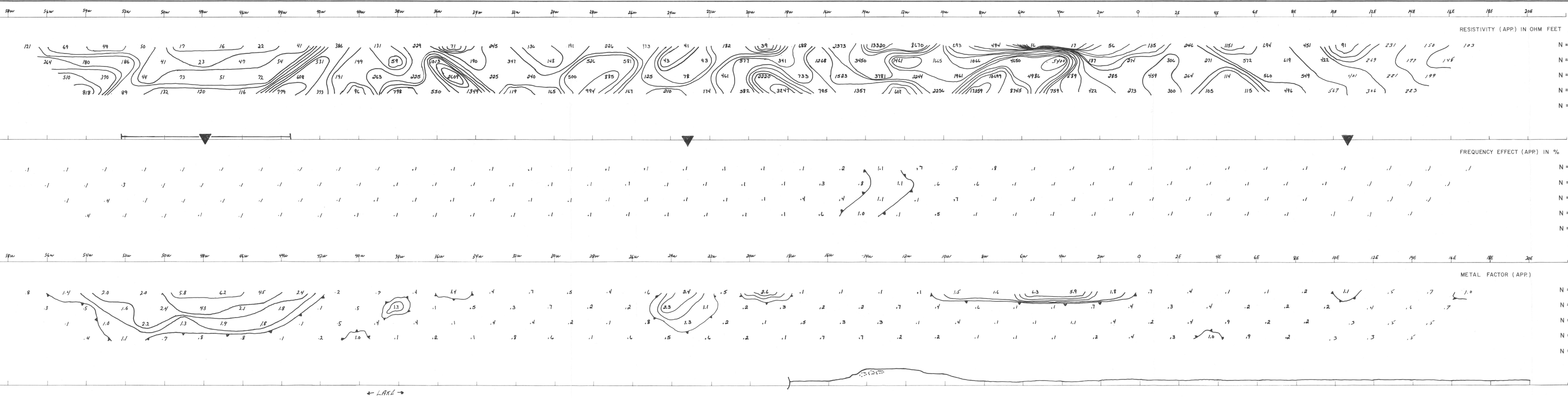
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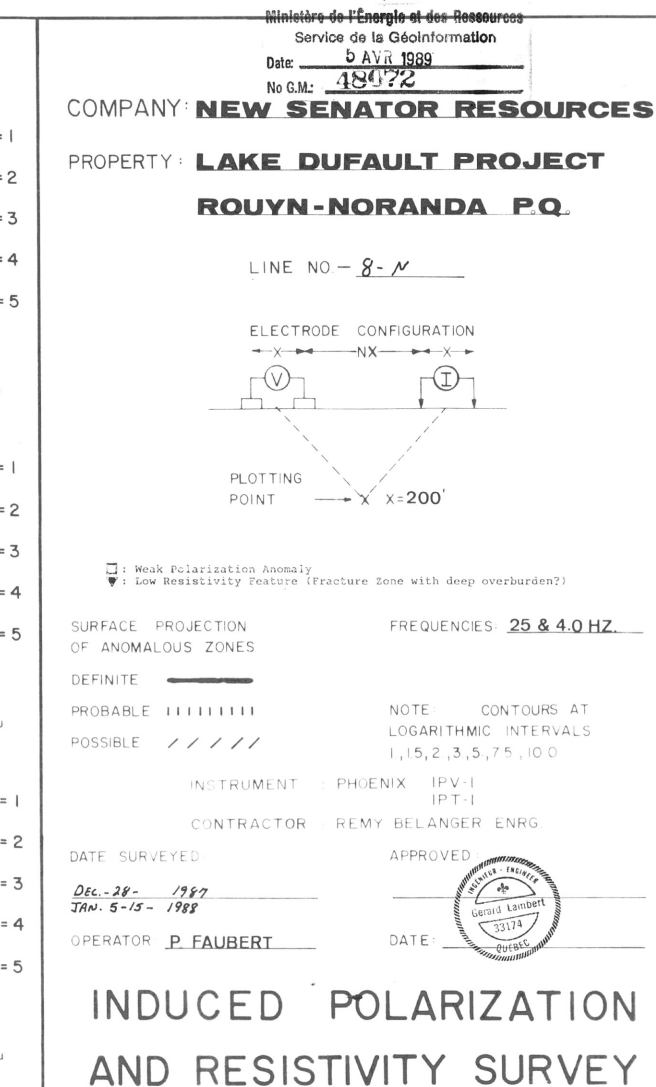
Gerard Lambert

33174

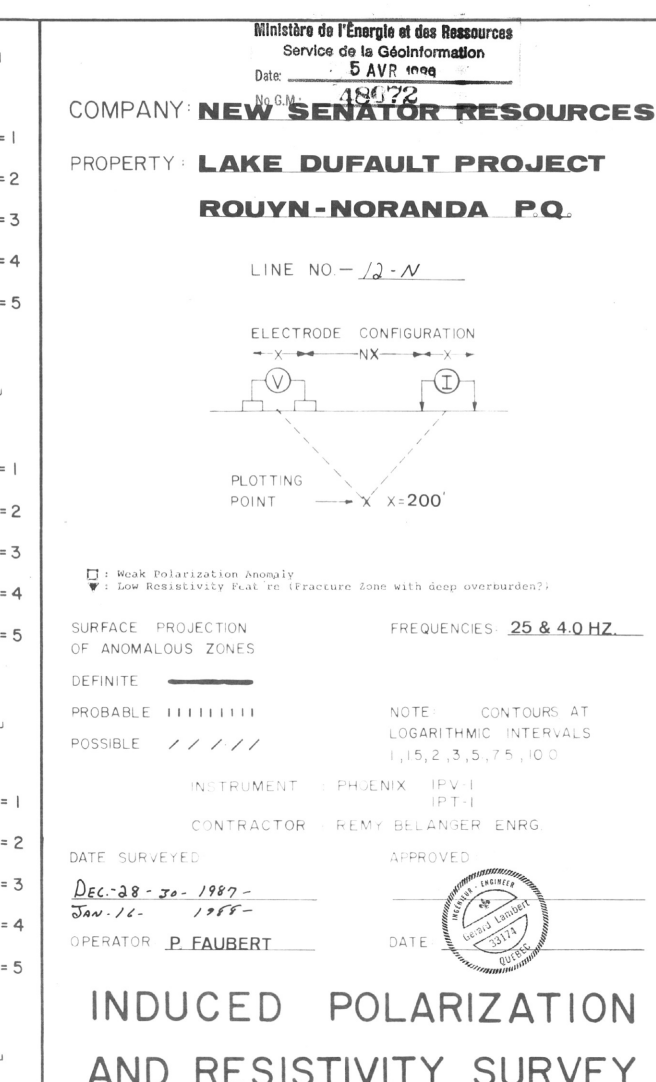
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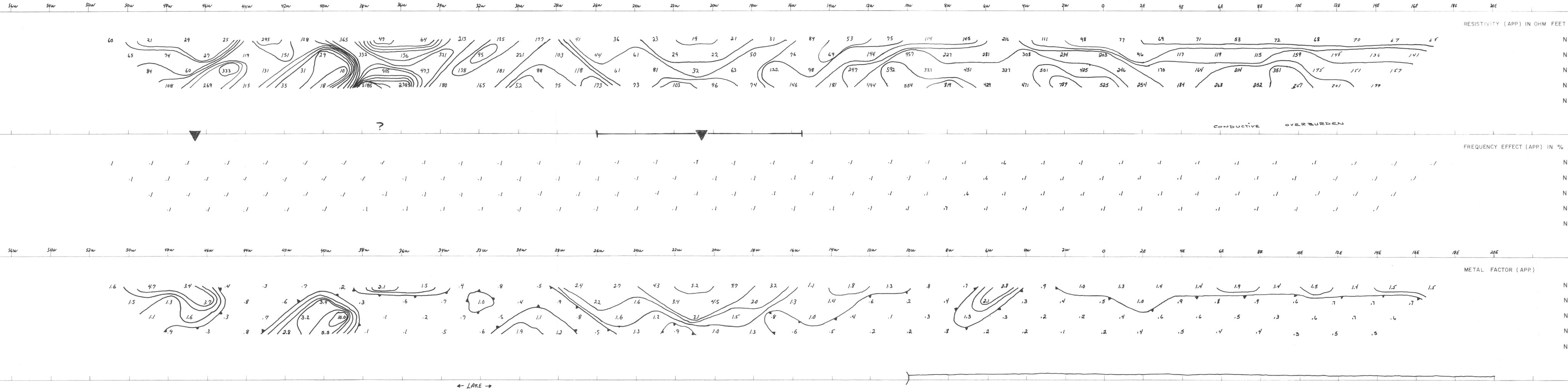
# INDUCED POLARIZATION AND RESISTIVITY SURVEY











Ministère de l'Énergie et des Ressources  
Service de la Géoinformation  
Date: 5 AVR 1989  
No G.M.: 18072

COMPANY: **NEW SENATOR RESOURCES**

PROPERTY: **LAKE DUFALT PROJECT**  
**ROUYN-NORANDA P.Q.**

LINE NO - **16-N**

ELECTRODE CONFIGURATION  
X X X  
V I  
PLOTING POINT X=200'

Weak Polarization Anomaly  
Low Resistivity Feature (Fracture Zone with deep overburden?)

SURFACE PROJECTION OF ANOMALOUS ZONES  
DEFINITE  
PROBABLE  
POSSIBLE

INSTRUMENT : PHOENIX IPV-1  
IPT-1

CONTRACTOR : REMY BELANGER ENRG.

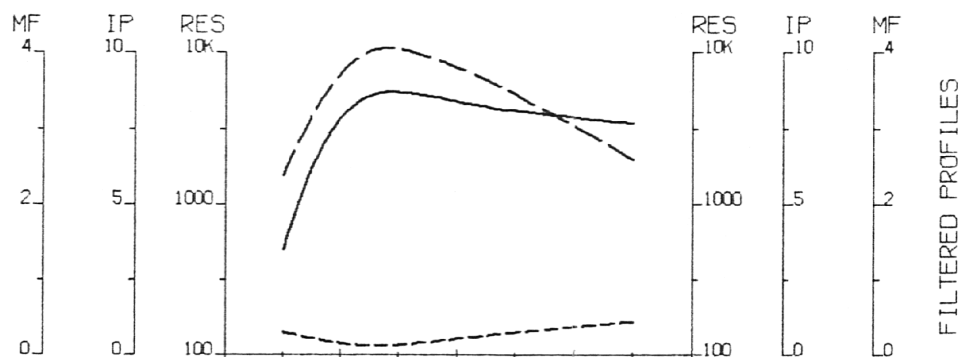
DATE SURVEYED  
DEC. - 29 - 30 - 1987  
JAN. - 12 - 1988

OPERATOR **P. FAUBERT**

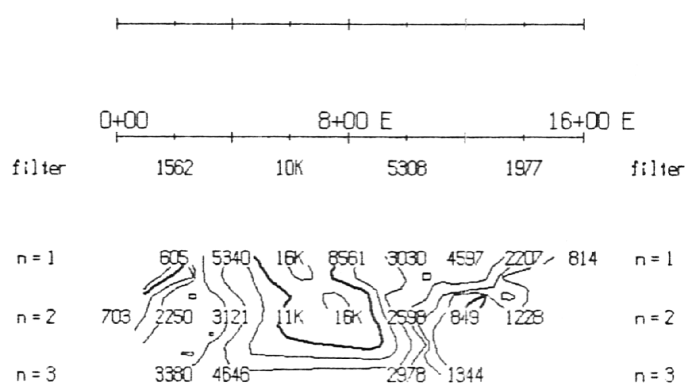
DATE

APPROVED  
Gordon Lambert  
19174  
QUÉBEC

INDUCED POLARIZATION  
AND RESISTIVITY SURVEY

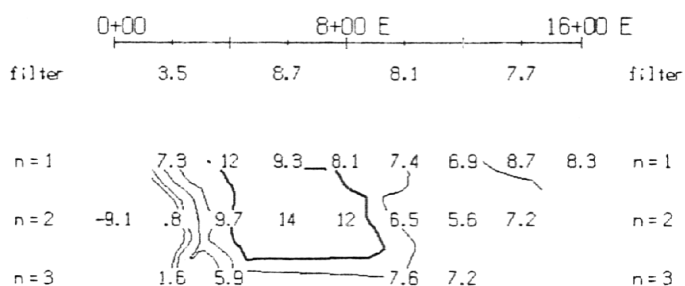


FILTERED PROFILES

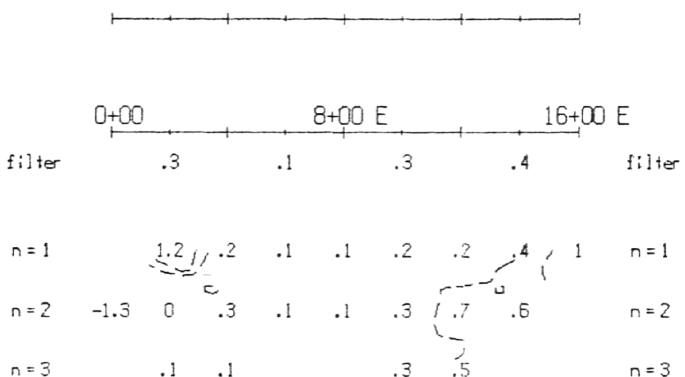


TOPOGRAPHY

RESISTIVITY  
(ohm-m)



PHASE  
(milli-rad)

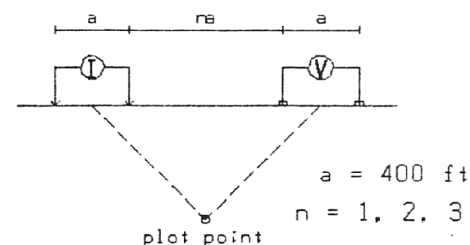


INTERPRETATION

METAL FACTOR  
(ip/res \* 100)

## Line 16+00 S

Dipole-Dipole Array



Filtered Profiles

Resistivity ——— filter  
Polarization ——— \*  
M. Factor ——— \* \*

Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

Ministère de l'Énergie et des Ressources  
Service de la Géoinformation  
Date: 5 AVR 1990  
No G.M.: 48072

Instrument: PHOENIX IPV2, IPT1  
Frequency: 1 Hz  
Operator: Jacques Sawyer

INTERPRETATION

- Strong increase in polarization accompanied by marked decrease in resistivity.
- Well defined increase in polarization without marked resistivity decrease.
- Poorly defined polarization increase with no resistivity signature.
- ▼ Low resistivity feature.

Induced Polarization Survey

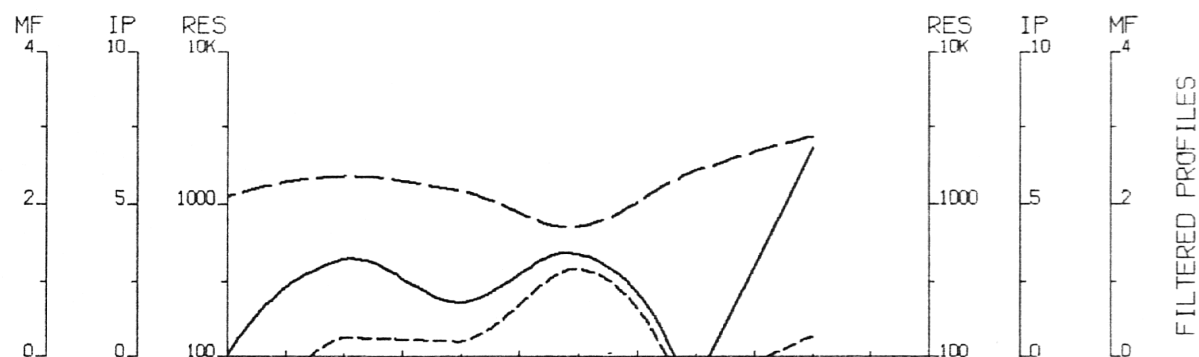
N.S.R. RESOURCES INC.

Lac Dufault project  
Dufresnoy township

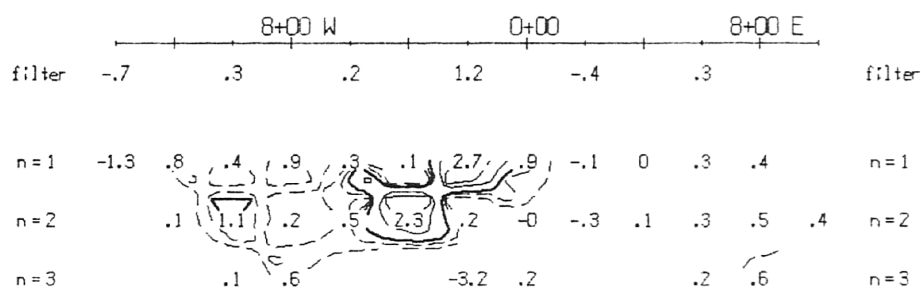
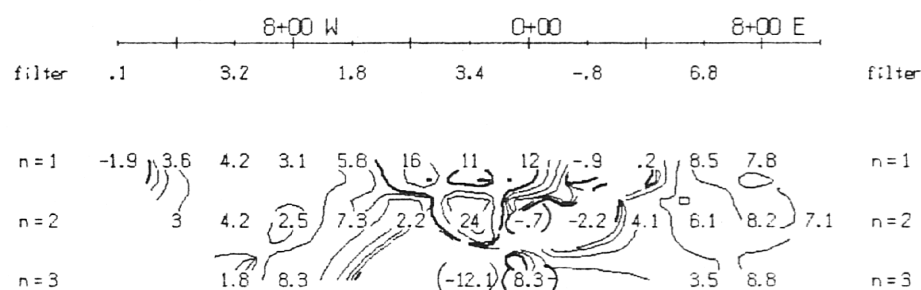
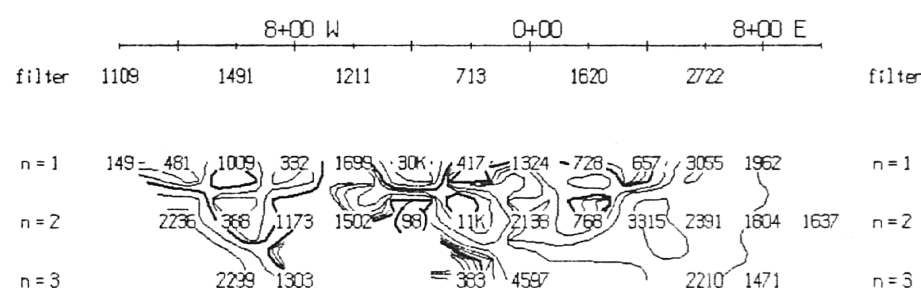
Date: 88/02/15  
Interpretation by: G. Lambert ing.  
Scale:

DETAIL

VAL D'OR GEOPHYSIQUE LTEE



Lake 1 O/C 1



TOPOGRAPHY

RESISTIVITY  
(ohm-m)

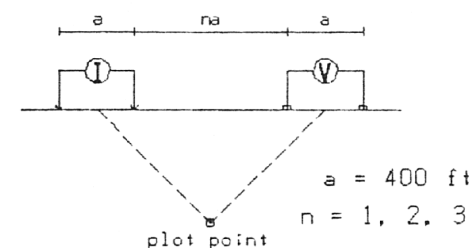
PHASE  
(milli-rad)

INTERPRETATION

METAL FACTOR  
(ip/res \* 100)

Line 12+00 S

Dipole-Dipole Array



Filtered Profiles

Resistivity ——— filter  
Polarization ——— \*  
M. Factor ——— \* \*

Logarithmic 1, 1.5, 2, 3, 5, 7.5, 10, ...  
Contours

Ministère de l'Énergie et des Ressources

Service de la Géoinformation

Date: 5 AVR 1989

No G.M.: 48072

Instrument: PHOENIX IPV2, IPT1

Frequency: 1 Hz

Operator: Jacques Sawyer

INTERPRETATION

- Strong increase in polarization accompanied by marked decrease in resistivity.
- Well defined increase in polarization without marked resistivity decrease.
- Poorly defined polarization increase with no resistivity signature.
- ▼ Low resistivity feature.

Induced Polarization Survey

N.S.R. RESOURCES INC.

Lac Dufault project  
Dufresnoy township

Date: 88/02/15

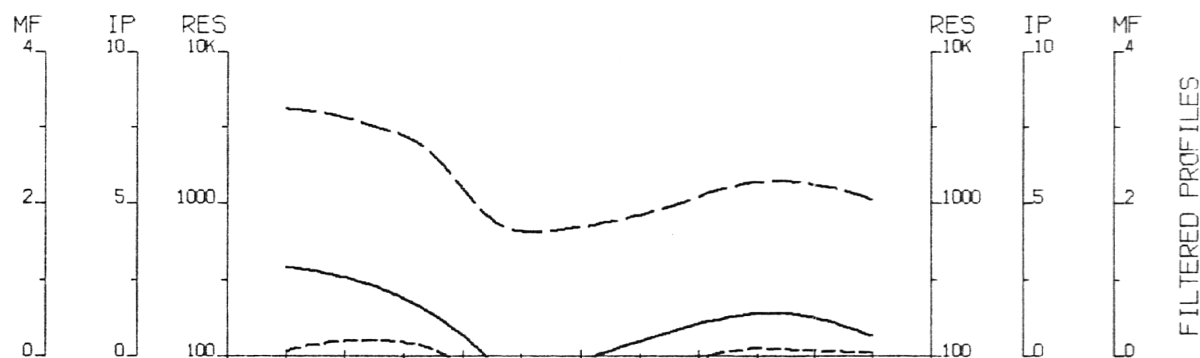
Interpretation by: G. Lambert ing.

Scale:

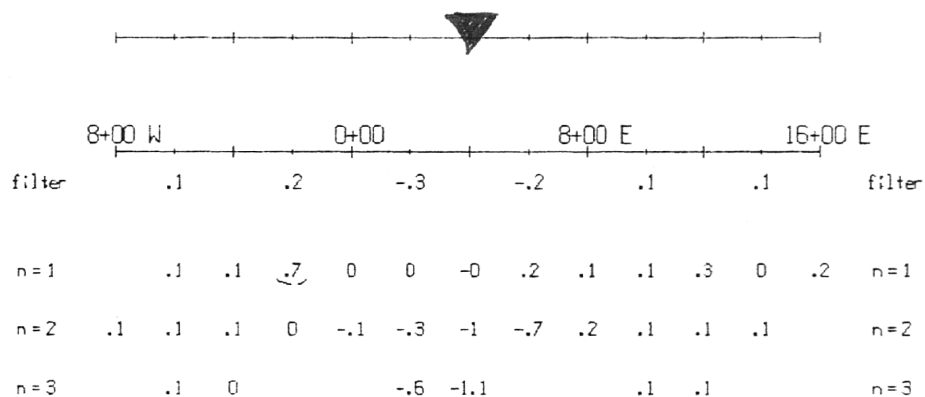
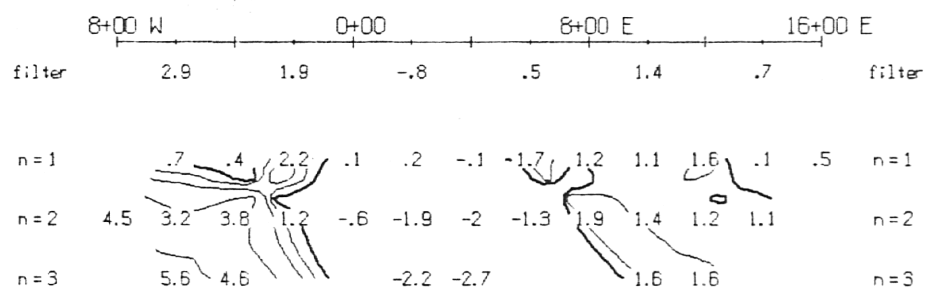
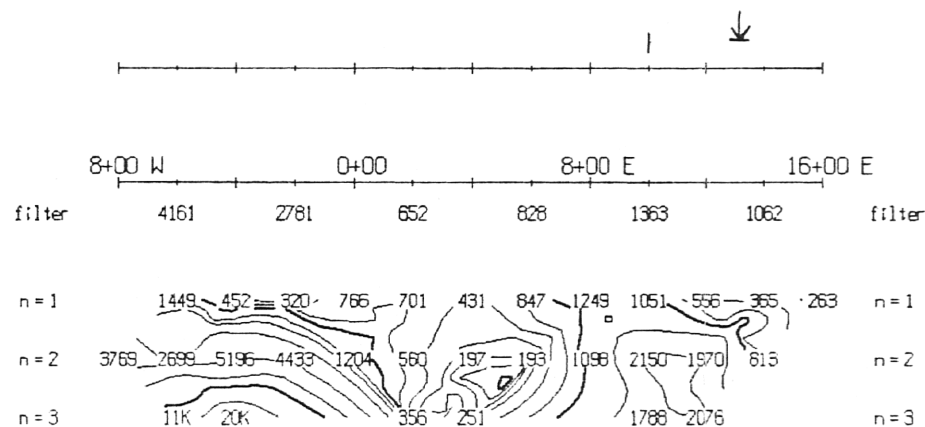
DETAIL

VAL D'OR GEOPHYSIQUE LTEE





FILTERED PROFILES



TOPOGRAPHY

RESISTIVITY  
(ohm-m)

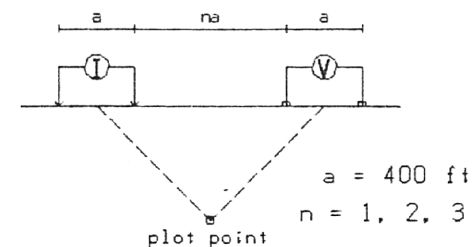
PHASE  
(milli-rad)

INTERPRETATION

METAL FACTOR  
(ip/res \* 100)

Line 4+00 N

Dipole-Dipole Array



Filtered Profiles

Resistivity	-----	filter
Polarization	-----	*
M. Factor	-----	**
		***

Logarithmic 1, 1.5, 2, 3, 5, 7.5, 10, ...  
Contours

Ministère de l'Énergie et des Ressources  
Service de la Géoinformation  
Date: 5 AVR 1989  
No G.M.: 48072

Instrument: PHOENIX IPV2, IPT1  
Frequency: 1 Hz  
Operator: Jacques Sawyer

INTERPRETATION

- Strong increase in polarization accompanied by marked decrease in resistivity.
- Well defined increase in polarization without marked resistivity decrease.
- Poorly defined polarization increase with no resistivity signature.
- ▼ Low resistivity feature.

Induced Polarization Survey

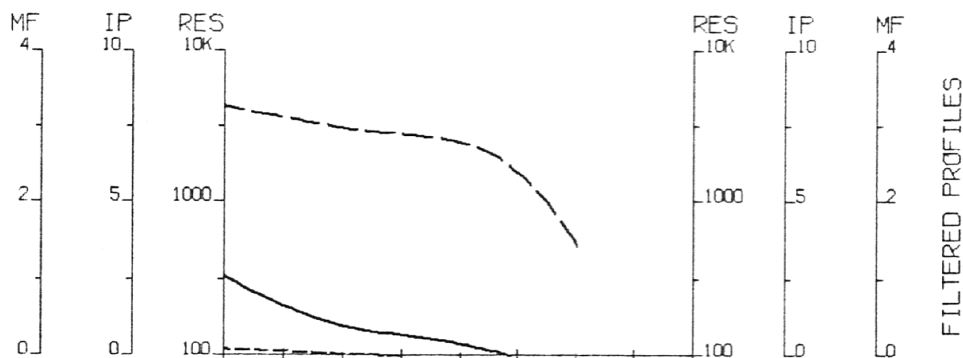
N.S.R. RESOURCES INC.

Lac Dufault project  
Dufresnoy township

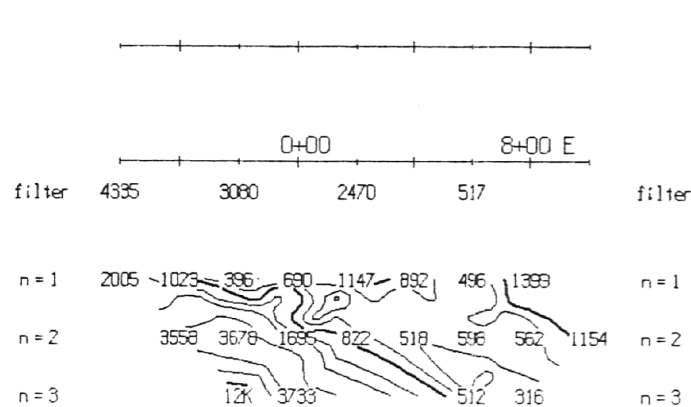
Date: 88/02/15  
Interpretation by: G. Lambert ing.  
Scale:

DETAIL

VAL D'OR GEOPHYSIQUE LTEE



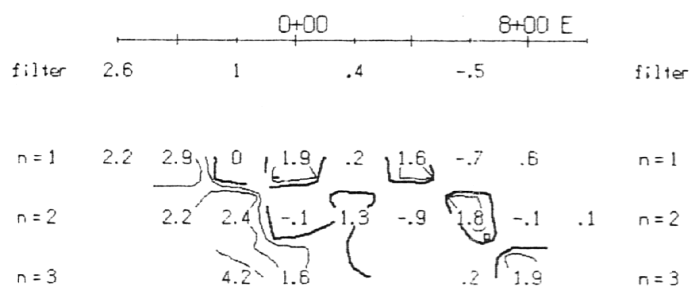
FILTERED PROFILES



TOPOGRAPHY

RESISTIVITY

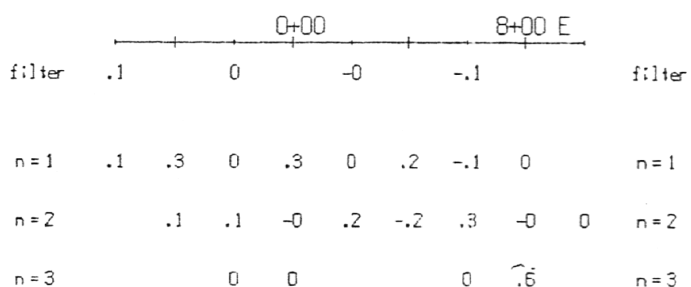
(ohm-m)



PHASE

(milli-rad)

INTERPRETATION

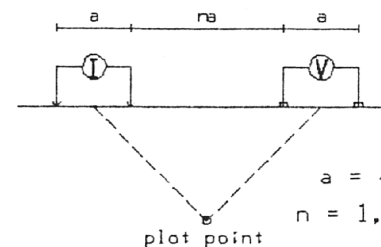


METAL FACTOR

(ip/res \* 100)

Line 8+00 N

Dipole-Dipole Array



a = 400 ft

n = 1, 2, 3

Filtered Profiles

Resistivity filter  
Polarization \*  
M. Factor \* \* \*

Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

Ministère de l'Énergie et des Ressources  
Service de la Géoinformation  
5 AVR 1989

Date: 48072  
No G.M.: 48072

Instrument: PHOENIX IPV2, IPT1  
Frequency: 1 Hz  
Operator: Jacques Sawyer

INTERPRETATION

- Strong increase in polarization accompanied by marked decrease in resistivity.
- Well defined increase in polarization without marked resistivity decrease.
- Poorly defined polarization increase with no resistivity signature.
- ▼ Low resistivity feature.

Induced Polarization Survey

N.S.R. RESOURCES INC.

Lac Dufault project  
Dufresnoy township

Date: 88/02/15  
Interpretation by: G. Lambert ing.  
Scale:

DETAIL

VAL D'OR GEOPHYSIQUE LTEE