

LOG NO: JAN 31

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PACIFIC GEOPHYSICAL LTD.

FILE NO:

REPORT ON THE
INDUCED POLARIZATION, RESISTIVITY AND MAGNETIC SURVEYS

ON THE

PORPHYRY CREEK PROJECT

OMINECA MINING DIVISION, BRITISH COLUMBIA

FOR

TECK EXPLORATION LTD.

LATITUDE: 56 29' 00" N LONGITUDE: 125 03' 00" W

N.T.S. 94C/5,12 94D/8,9

BY

PAUL A. CARTWRIGHT, P.Geoph.
Geophysicist

and

MICHAEL J. CORMIER, B.Sc.
Geophysicist

GEOLOGICAL BRANCH
DATED: JANUARY 8, 1982 **ASSESSMENT REPORT**

Paul A. Cartwright
22,083

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i) Survey Specifications

Induced Polarization (IP), resistivity and magnetic surveys on the Raven and Porphyry grids took place during the period July 16, 1991 to August 17, 1991 under the direction of Grant D. Lockhart, geophysicist. A total of 89.1 line kilometres of IP / resistivity data (25.75 km on Raven, 63.35 km on Porphyry) and 88.1 line kilometres of magnetic data (25.975 km on Raven, 62.125 km on Porphyry) were acquired. In the case of the Porphyry Grid, the IP/resistivity station spacing was not corrected for the effects of topography, while the magnetic data was collected on horizontally correct stations.

The IP/resistivity surveys were carried out using the pole - dipole array with an inter-electrode spacing of 50 meters along the slope. The moving current electrode was located to the south of the potential electrode pair. Four dipole separations (n=1-4) were recorded during the surveys. Total field magnetic measurements were made at horizontally correct 12.5 meter intervals on the same grid lines used for the IP/resistivity survey.

ii) Instrument Specifications

The IP / resistivity measurements were made using an EDA Model IP-6 six channel time domain receiver set to "mode 2" whereby a delay time (TD = 120 milliseconds) is followed by 10 measurement windows of equal width (td = 90 milliseconds), yielding a total integration time of 900 milliseconds. The signal used to make the measurements was provided by a Phoenix Model IPT-1 transmitter producing a 2 second on / 2 second off square wave of alternating polarities powered by a 2.0 kilowatt motor generator set. IP effects were recorded as chargeability in milliseconds while apparent resistivity values were normalized in units of ohm-meters.

A GEM Systems Model GSM-19 Overhauser magnetometer was employed to collect the total field magnetic data along the grid lines while an EDA Model PPM-375 magnetometer recorded the magnetic field at the base station. At the end of each day, the recorded base station data were combined with the field readings to correct for diurnal variations in the earth's magnetic field.

iii) Data Presentation

The IP / resistivity results are shown on the following data plots in pseudo-section format:

<u>Line</u>	<u>Electrode Interval</u>	<u>Reading Interval</u>	<u>Total Coverage</u>
Raven Grid			
10200W	50 meters	5000N - 6000N	1000 meters
10100W	50 meters	5000N - 6850N	1850 meters
10000W	50 meters	5000N - 6600N	1600 meters
9900W	50 meters	5000N - 6650N	1650 meters
9800W	50 meters	5000N - 6600N	1600 meters
9700W	50 meters	5000N - 6500N	1500 meters
9600W	50 meters	4950N - 6500N	1550 meters
9500W	50 meters	4850N - 6450N	1600 meters
9400W	50 meters	4850N - 6350N	1500 meters
9300W	50 meters	4500N - 6200N	1700 meters
9200W	50 meters	4500N - 6200N	1700 meters
9100W	50 meters	4500N - 6150N	1650 meters
9000W	50 meters	4500N - 6050N	1550 meters
8900W	50 meters	4500N - 6000N	1500 meters
8800W	50 meters	4500N - 5850N	1350 meters
8700W	50 meters	4500N - 5800N	1300 meters
8600W	50 meters	4500N - 5650N	1150 meters

Porphyry Grid

3900E	50 meters	4300N - 7300N	3000 meters
4000E	50 meters	4350N - 7300N	2950 meters
4100E	50 meters	4300N - 7350N	3050 meters
4200E	50 meters	4300N - 7300N	3000 meters
4300E	50 meters	4450N - 7750N	3300 meters
4400E	50 meters	4600N - 7200N	2600 meters
4500E	50 meters	4650N - 7150N	2500 meters
4600E	50 meters	4650N - 7050N	2400 meters
4700E	50 meters	4500N - 7150N	2650 meters
4800E	50 meters	4550N - 7150N	2600 meters
4900E	50 meters	5300N - 6950N	1650 meters
5000E	50 meters	4600N - 6950N	2350 meters
5100E	50 meters	5250N - 6850N	1600 meters
5200E	50 meters	4300N - 6800N	2500 meters
5300E	50 meters	4300N - 6900N	2600 meters
5400E	50 meters	4300N - 6800N	2500 meters
5500E	50 meters	4300N - 6800N	2500 meters
5600E	50 meters	4300N - 6700N	2400 meters
5725E	50 meters	4300N - 6650N	2350 meters
5800E	50 meters	4300N - 6650N	2350 meters
5900E	50 meters	4300N - 6650N	2350 meters
6000E	50 meters	4300N - 6550N	2250 meters

6100E	50 meters	4300N - 6500N	2200 meters
6200E	50 meters	4350N - 6400N	2050 meters
6300E	50 meters	4300N - 6400N	2050 meters
6400E	50 meters	4300N - 6350N	2050 meters

Also included with this report are contoured, 1:5000 scale plan map (PLAN: MRAVIP for Raven and PLAN: MPORIP for Porphyry) presentations of the 10-point Fraser-filtered chargeability values which include the IP interpretations. The Fraser filter involves calculating an average value for each dipole separation using one n=1 value, two n=2 values, three n=3 values and four n=4 values. These intermediate results are then further averaged to yield one number which can be contoured in plan view. The strong, moderate and weak IP anomalies are indicated by bars in the manner shown on the plan map legend as well as on the pseudo-sections. These bars represent the surface projection of the anomalous zones interpreted from the transmitter and receiver locations when the anomalous values were measured. The contoured, 10-point Fraser-filtered resistivity data are illustrated on the 1:5000 scale plan maps labelled PLAN: MRAVRES and PLAN: MPORRES (Raven grid and Porphyry grid respectively). Posted, contoured total field magnetic results are illustrated by 1:5000 scale maps labelled PLAN: MRAVMAG and PLAN: MPORMAG (Raven and Porphyry respectively).

iv) Discussion of Results

Raven Grid

For this discussion, the reader is referred to the interpretive plan map labelled MRAVIP. The IP and resistivity survey data collected over the Raven Grid are thought to reflect the presence of a sulphide system which encompasses most of the present geophysical grid.

The most dominant feature observed within the system is a northwest - southeast striking zone of high chargeability measurements located in the middle - to - southern section of the survey grid. The approximate centre of this zone also coincides with moderately anomalous magnetic measurements. Generally speaking, the apparent resistivity measurements recorded within the zone are inconclusive. The depth to the top of the material responsible for the high magnitude IP effects which characterize the zone is estimated to be within 50 meters of surface. It is the authors' understanding that three diamond drillholes

collared within this feature (illustrated on plan map MRAVIP) encountered significant amounts of pyrite.

North of the zone discussed above, and parallel to it, is another more lenticular shaped feature included within the larger scale sulphide system interpreted to be present. It is typified by moderate - to - high magnitude IP effects as well as a weak, but clearly discernable, magnetic high. Again, the resistivity data collected in the area is not conclusive but it is noted that the southeastern portion of the zone is coincident with a fairly substantial decrease in magnitude of the measured resistivities. The polarizable material's depth of burial in this case is thought to be within 50 meters of surface -- similar to the larger zone located to the south.

Outside the two zones discussed above, the interpreted sulphide system manifests itself as weak - to - moderate magnitude IP effects. This data is indicative of a decrease in the amount of polarizable material present and/or an increase in its depth of burial. It should be noted that the highest magnitude magnetic values recorded during the survey are located at the northwest corner of the present grid, within an area of decreased chargeabilities.

Porphyry Grid

The IP data recorded on this grid outline a very large area of moderately anomalous to highly anomalous IP effects, which appear to indicate the presence of a large sulphide system. The interpreted extent of the source of the anomalous response, as detected to the approximately 100 meter depth limit of the 50 meter pole-dipole array data, is illustrated on Plan: PORIP. Set within this envelope, which covers much of the survey grid, are a number of more intense zones that are discussed in the following paragraphs.

Zone A1 - High magnitude IP effects constitute this feature, which is evident in the northern corner of the survey grid. Lower than background apparent resistivity values can be discerned coincident with interesting IP effects throughout most of the zone, pointing to the presence of more concentrated metallic mineralization. Depths to the top of the causative source of the geophysical response are less than 50 meters.

Zone A2 - Somewhat lower than normal apparent resistivity readings correlate with the moderately anomalous IP measurements that constitute Zone A2, possibly indicating the presence of stringered metallic mineralization. The source of the

western part of the zone may be buried at depths in the order of 50 meters, while the extreme eastern portion does not appear to be as deeply buried. In addition, anomalous magnetic readings are noted in the vicinity of the eastern end of Zone A2.

Zone A3 - This IP Zone is the most interesting feature detected by the present survey. The high magnitude IP readings that constitute Zone A3 form a roughly circular shape, with the most anomalous values concentrated in the center region, coincident with somewhat lower than normal apparent resistivity measurements. Higher than background resistivity values form a distinct ring-like structure within the outer periphery of the IP zone. Quite anomalous magnetic readings are seen to be closely associated with the area of highly anomalous IP response. One possible source for the above geophysical signature would be disseminated metallic sulphides, and magnetite, surrounding a central core region composed of more conductive metallic mineralization, as well as magnetite.

Zone A4 - Relatively deeply buried disseminated sulphides are interpreted to underlie the eastern corner of the geophysical grid area. IP Zone A4 is formed where this sulphide material extends to within 50 meters of the surface. The most anomalous response is seen in the data acquired on Line 6100E, in the vicinity of Station 5600N, where moderately high magnitude IP readings are noted. Apparent resistivity values are at background levels throughout the area.

Zone A5 - This feature is indicated to be caused by a relatively narrow tabular body that underlies Lines 6400E and 6300E in the region of Station 5275N, at a depth of less than 50 meters. The source appears to extend to the southeast beyond the limits of the grid. A distinctive magnetic anomaly that is coincident with the IP zone, together with a resistivity pattern that suggests a somewhat resistive target, points to disseminated metallic sulphides and/or magnetite being present.

Zone A6 - Considerably lower than background apparent resistivity values are detected to be closely coincident with the very anomalous IP measurements that form this IP zone. Heavy concentrations of disseminated and/or stringered metallic mineralization are the most likely cause of IP Zone A6. Burial depths of the IP source are indicated to be less than 50 meters throughout the zone.

Zone A7 - This zone is located between and in close proximity to IP Zone A6 and IP Zone A8. It is possible that a common source is present, with the three

separate IP zones being interpreted where the polarizable material involved lies within 50 meters of the surface. Disseminated sulphides probably give rise to the western portion of IP Zone A7, as indicated by background level apparent resistivity determinations; however, the eastern part of the trend appears to be somewhat conductive.

Zone A8 - Strongly anomalous IP effects, combined with much lower than normal apparent resistivities, point to substantial sulphide concentrations being the causative source of the southeastern two thirds of this IP zone. The northwestern part of the response, on the other hand, displays background level resistivity values, together with moderately high magnitude IP measurements. Depth to the top of the source is generally less than 50 meters.

v) Conclusions and Recommendations

Raven Grid

Induced Polarization (IP), resistivity and total field magnetic surveys carried out on the Raven Grid, Porphyry Creek Project, have returned results which are interpreted to indicate the presence of a sulphide system underlying most of the geophysical grid. Primarily, the system is characterized by anomalously high IP effects and, to a lesser degree, increased magnetic field measurements. Within this system, two large zones of substantially higher chargeabilities have been identified. The depth to the top of both zones is felt to be within 50 meters of surface.

It is recommended that further IP/resistivity surveying be carried out on grid lines located both east and west of the present survey grid in order to fully outline the extent of the interpreted sulphide system. At that point, all available data (geological, geochemical and geophysical) should be reviewed in order to best design a diamond drillhole program to further test the sulphide system for the presence of copper/gold mineralization.

Porphyry Grid

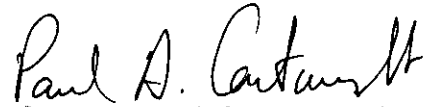
The induced polarization and resistivity survey of the Porphyry Grid has also detected a large scale sulphide system that is interpreted to underlie most of the present survey grid. Set within this region of anomalous IP effects are a number of zones of even higher IP response, which, in most cases, are probably outlining areas of increased sulphide content. IP Zone A3, in particular, is of

interest due to coincident IP/Magnetic anomalies, which contain an annular high resistivity zone surrounding a central lower resistivity region.

Drill testing of IP Zone A3 is recommended due to the unique nature of this feature. All of the other zones of enhanced IP effects are possible drill targets, as well. However, it is recommended that all other information, such as geology and geochemistry, be correlated with the geophysical data prior to assigning drilling priorities.

It is also recommended that the existing geophysical survey grid be expanded towards the northwest, northeast, and southeast in order to completely define the extent of the mineralized system.

Pacific Geophysical Ltd.



Paul A. Cartwright, P.Geoph.



Michael J. Cormier, B.Sc.

Dated: January 24, 1992.

vi) Personnel

The personnel utilized during the geophysical program are listed below:

<u>Name</u>	<u>Occupation</u>	<u>Address</u>	<u>Date</u>
G. Lockhart	Geophysicist	212-744 W. Hastings St. Vancouver, B.C.	July 16 - Aug. 17 / 91
H. Zurloff	Technician	"	July 16 - Aug. 14 / 91
D. Sinclair	Helper	"	July 16 - Aug. 17 / 91
B. Page	Helper	"	July 16 - July 25 / 91
S. Milia	Helper	"	July 16 - Aug. 17 / 91
S. Fleming	Helper	"	July 16 - Aug. 17 / 91
D. Martinson	Helper	"	July 29 - Aug. 14 / 91
P. Cartwright	Geophysicist	"	Jan. 21 - Jan. 24 / 92
M. Cormier	Geophysicist	"	Dec. 16 - Dec. 20 / 91 Jan. 6 - Jan. 8 / 92 Jan. 23 - Jan. 24 / 92
M.St. Pierre	Geophysicist	"	Dec. 16 - Dec. 20 / 91 Jan. 2 - Jan. 3 / 92
B. Counts	Geophysicist	"	Jan. 18 - Jan. 24 / 92

PACIFIC GEOPHYSICAL LIMITED



Paul A. Cartwright, P.Geoph.

Dated: January 24, 1992.

vii) Statement of Cost

Reference: Porphyry Creek Project

Data Acquisition (Raven Grid)	\$ 17,462.50
Data Acquisition (Porphyry Grid)	\$ 39,697.50
3 Travel Days	\$ 3,600.00
Data Processing, Plotting, Reproduction	\$ 3,800.00
Interpretation and Report Preparation	\$ <u>1,750.00</u>
Subtotal	\$ 66,310.00
G.S.T	\$ <u>4,641.71</u>
Total	\$ 70,951.71

PACIFIC GEOPHYSICAL LTD.



Paul A. Cartwright, P.Geoph.

Dated: January 24, 1992.

viii) Certificate

I, Paul A. Cartwright, of the City of Vancouver, Province of British Columbia, do hereby certify:

1. I am a geophysicist residing at 4238 West 11th Avenue, Vancouver, British Columbia.
2. I am a graduate of the University of British Columbia, with a B.Sc. degree (1970).
3. I am a member of the Society of Exploration Geophysicists, the European Association of Exploration Geophysicists and the Canadian Society of Exploration Geophysicists.
4. I have been practicing my profession for 21 years.
5. I am a Professional Geophysicist licensed in the Province of Alberta.
6. I have no direct or indirect interest, nor do I expect to receive any interest, directly or indirectly, in the property or securities of Teck Exploration Ltd. or any affiliates.
7. Permission is granted to use in whole or in part for assessment and qualification requirements but not for advertising purposes.

Dated at Vancouver, British Columbia this 24th day of January, 1992.



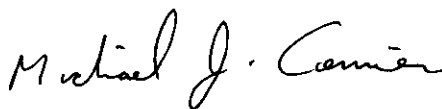
PAUL A. CARTWRIGHT, P.Geoph.

ix) Certificate

I, Michael J. Cormier, of the City of Vancouver, Province of British Columbia, do here by certify:

1. I am a geophysicist residing at 5512 Kings Road, Vancouver, British Columbia.
2. I am a graduate of McGill University, Montreal, Quebec with a B.Sc. degree (1981).
3. I have been practising my profession for 10 years.
4. I have no direct or indirect interest, nor do I expect to receive any interest, directly or indirectly, in the property or securities of Teck Exploration Ltd. or any affiliates.
5. Permission is granted to use in whole or in part for assessment and qualification requirements but not for advertising purposes.

Dated at Vancouver, British Columbia this 24th day of January, 1992.

A handwritten signature in cursive script that reads "Michael J. Cormier".

MICHAEL J. CORMIER, B.Sc.

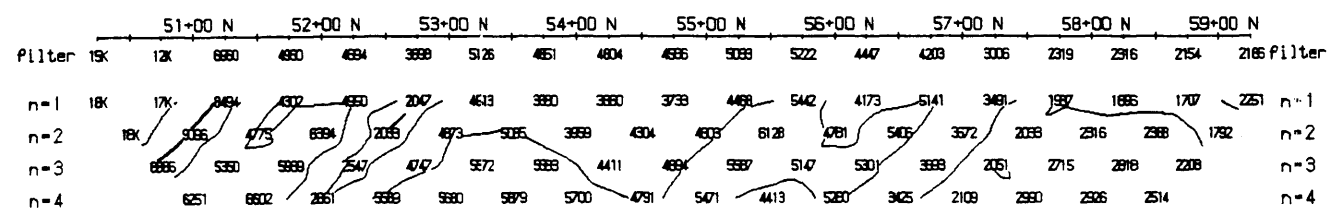
x) Certificate

I, Grant D. Lockhart, of the City of Vancouver, Province of British Columbia, do hereby certify:

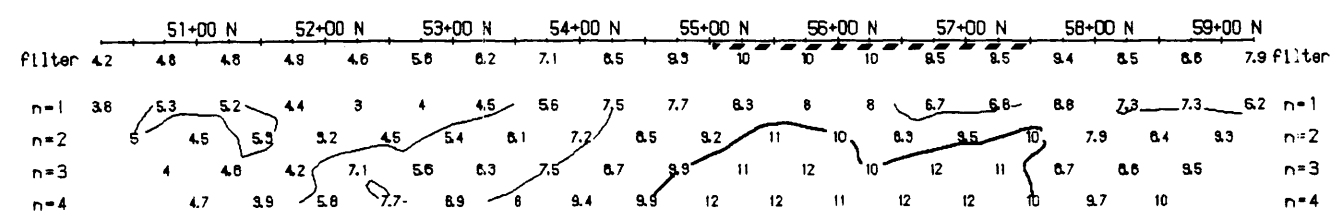
1. I am a geophysicist residing at 301 - 2232 West 5th Avenue, Vancouver, B.C.
2. I am a graduate of the University of British Columbia, with a B.Sc. degree (1987).
3. I am a member of the Society of Exploration Geophysicists, and the Canadian Society of Exploration Geophysicists.
4. I have been practicing my profession for five years.
5. I have no direct or indirect interest, nor do I expect to receive any interest, directly or indirectly, in the property or securities of Teck Exploration Ltd. or any affiliates.
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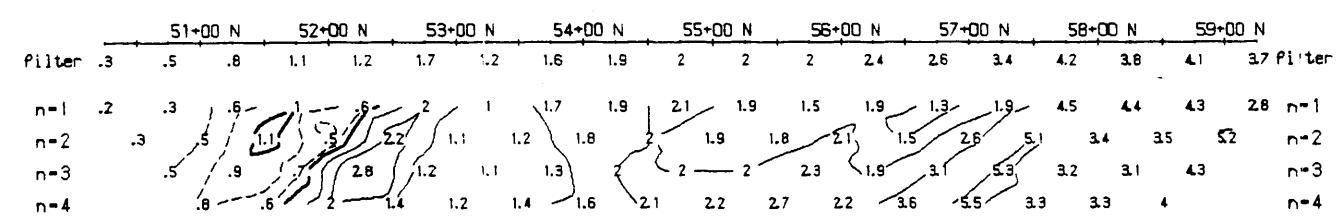
GRANT D. Lockhart
GRANT D. LOCKHART, B.Sc. *per ppe*



RESISTIVITY
(ohm.m)

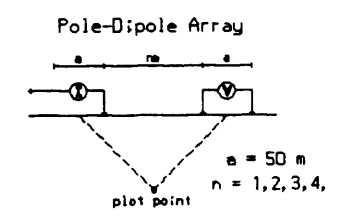


OBS. CHARGEABILITY
(msec)



METAL FACTOR
(sp/msec * 1000)

Line 10200 W



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

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Frequency : 2s ON / 2s OFF
Operators : GDL/HZ

INTERPRETATION

- ▬ Strong increase in polarization
- ▬▬▬▬ Moderate increase in polarization
- ▬▬▬ Weak increase in polarization

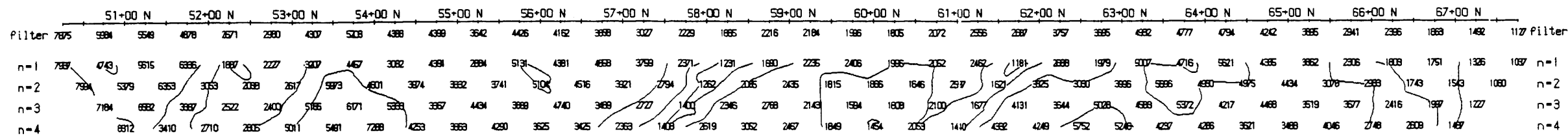
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PORPHYRY CREEK PROJECT
RAVEN GRID, Omineca M.D., B.C.

Date: July 1991 NTS: 94C/12
Interpretation by: PAC/mjc

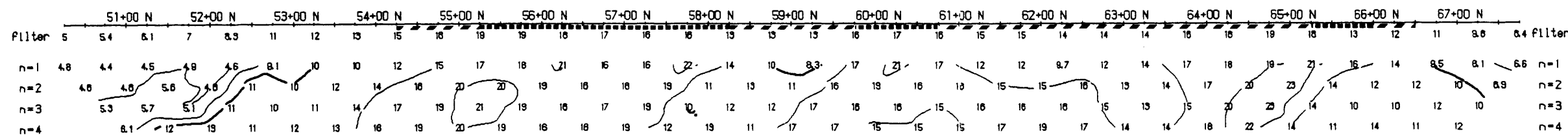
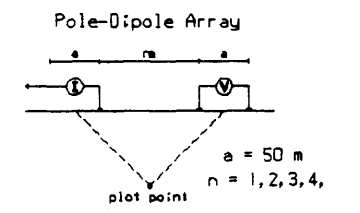
Pacific Geophysical

RESOFT (TM) Software for the Earth Sciences, Toronto, Canada



RESISTIVITY
(ohm.m)

Line 10100 W



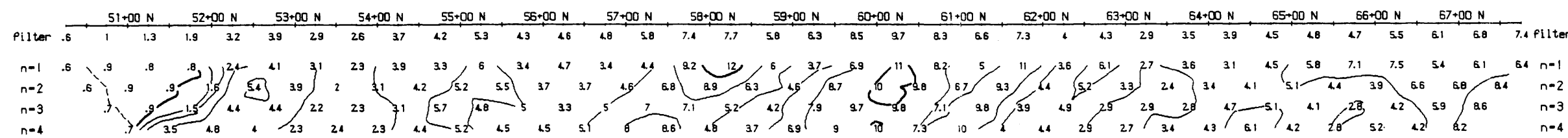
OBS. CHARGEABILITY
(msec)

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Instrument : EDA IP-6
Frequency : 2s ON / 2s OFF
Operators : GDL/HZ

INTERPRETATION

- Strong increase in polarization
- Moderate increase in polarization
- Weak increase in polarization



METAL FACTOR
(1p/res = 1000)

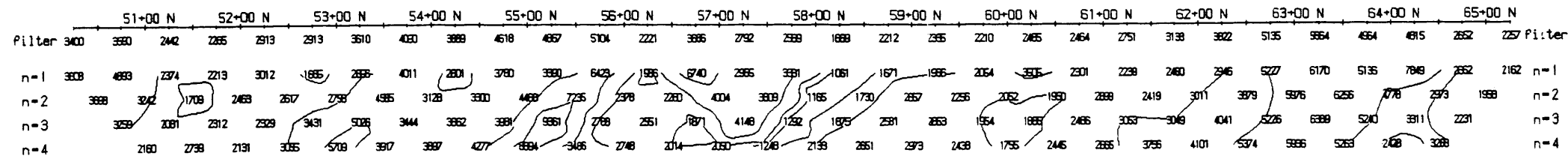
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RAVEN GRID, Omineca M.D., B.C.

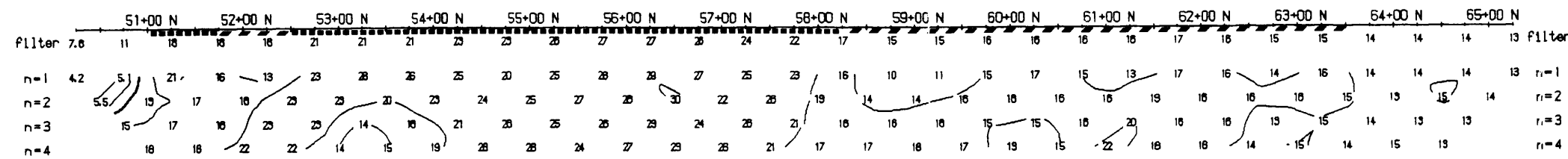
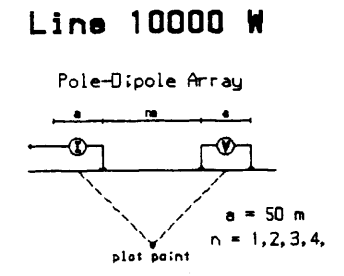
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Interpretation by: Pae/mjc

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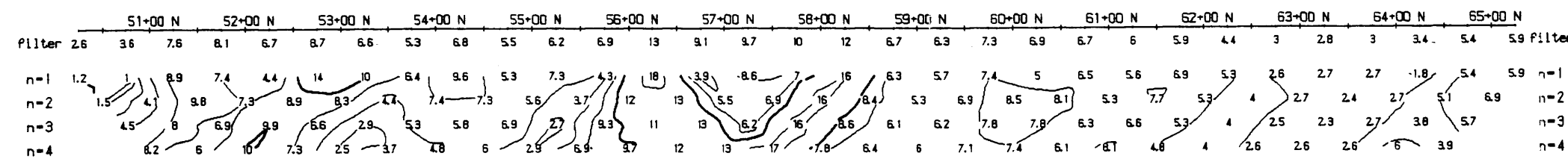
GEUSOFT (CN) Software for the Earth Sciences, Toronto, Canada



RESISTIVITY
(ohm-m)



OBS. CHARGEABILITY
(msec)



METAL FACTOR
(ip/res = 1000)

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

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Operators : GDL/HZ

INTERPRETATION

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- Moderate increase in polarization
- Weak increase in polarization

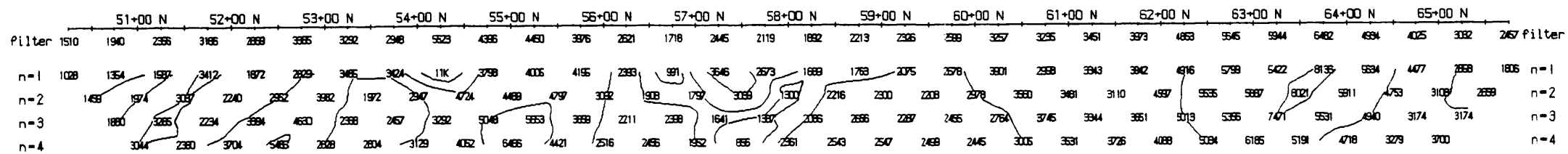
TECK EXPLORATION LTD.

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RAVEN GRID, Omineca M.D., B.C.

Date: July 1991 NTS: 94C/12
Interpretation by: PAC/mjc

Pacific Geophysical

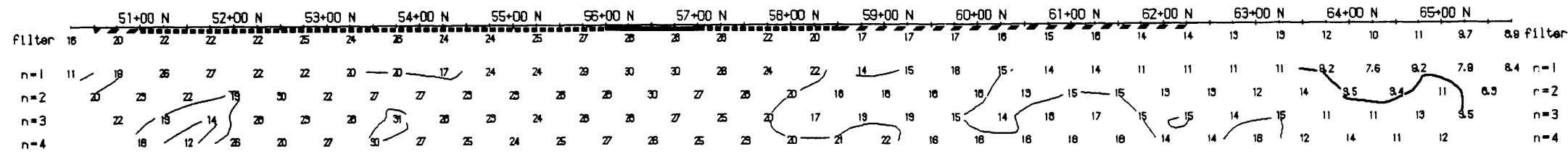
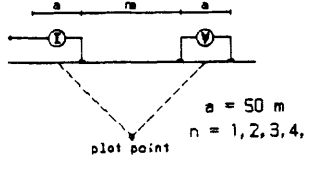
GEOSOF (TM) Software for the Earth Sciences, Toronto, Canada



RESISTIVITY
(ohm_m)

Line 9900 W

Pole-Dipole Array



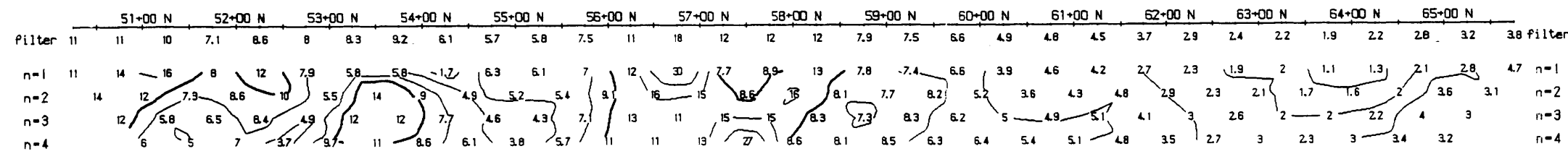
OBS. CHARGEABILITY
(msec)

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

Instrument : EDA IP-6
Frequency : 2s ON / 2s OFF
Operators : GDL/HZ

INTERPRETATION

- Strong increase in polarization
- Moderate increase in polarization
- Weak increase in polarization



METAL FACTOR
(ip/res * 1000)

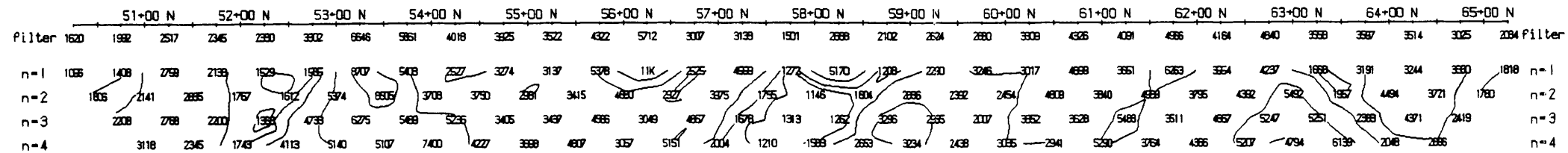
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RAVEN GRID, Omineca M.D., B.C.

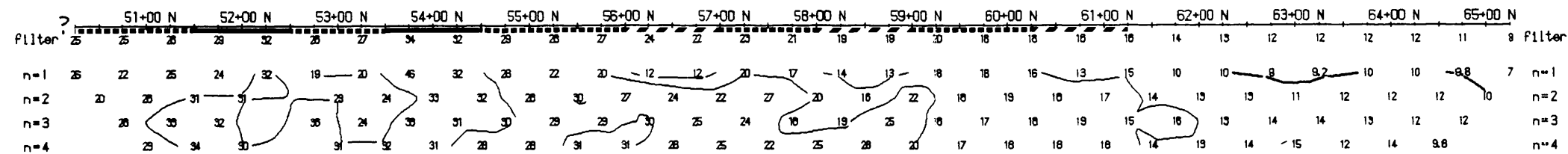
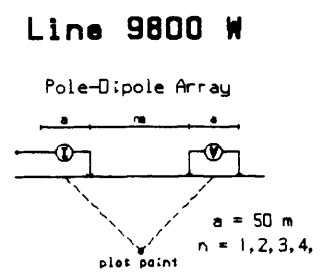
Date: July 1991 NTS: 94C/12
Interpretation by: PAC / MJC

Pacific Geophysical

GEOSOF (01) Software for the Earth Sciences, Toronto, Canada



RESISTIVITY
(ohm.m)



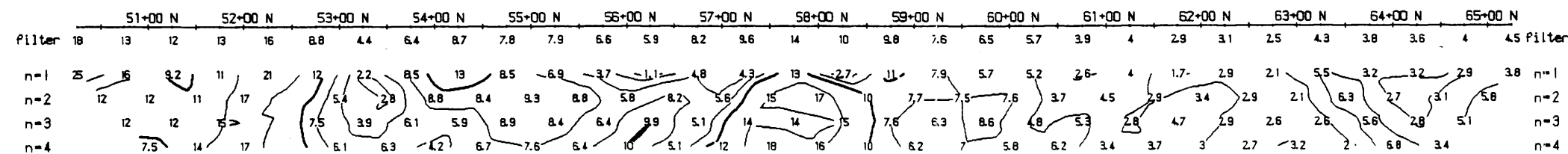
OBS. CHARGEABILITY
(msec)

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

Instrument : EDA IP-6
Frequency : 2s ON / 2s OFF
Operators : GDL/HZ

INTERPRETATION

- ▬ Strong increase in polarization
- ▬▬▬▬ Moderate increase in polarization
- ▬▬▬ Weak increase in polarization



METAL FACTOR
(sp/res * 1000)

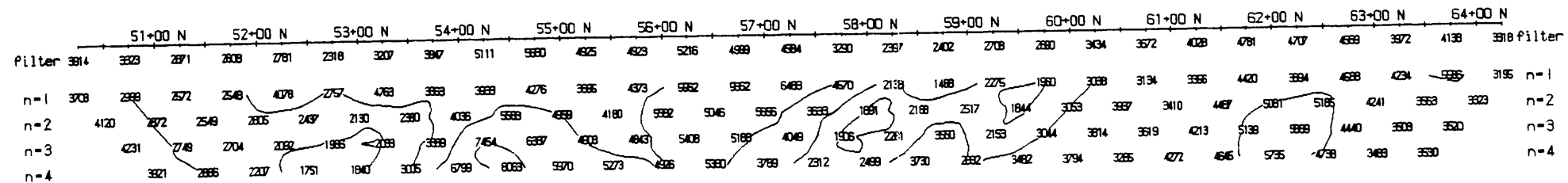
TECK EXPLORATION LTD.

INDUCED POLARIZATION SURVEY
PORPHYRY CREEK PROJECT
RAVEN GRID, Omineca M.D., B.C.

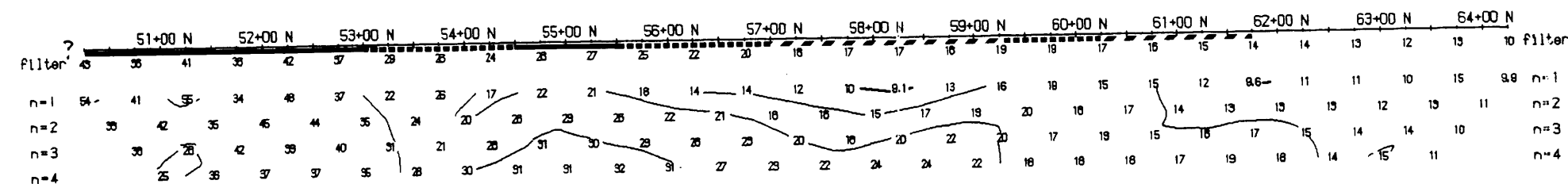
Date: July 1991 NTS: 94C/12
Interpretation by: PAC/MJC

Pacific Geophysical

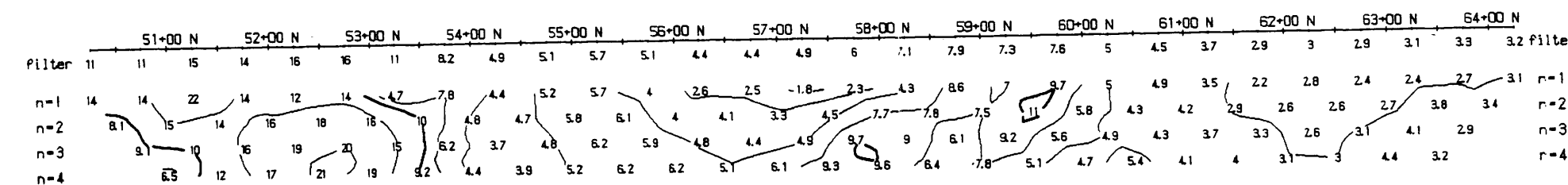
RESURF (61) Software for the Earth Sciences, Toronto, Canada



RESISTIVITY
(ohm-m)



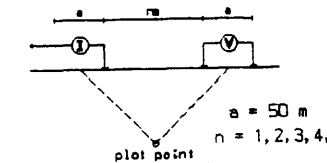
OBS. CHARGEABILITY
(msec)



METAL FACTOR
(lp/msec = 1000)

Line 9700 W

Pole-Dipole Array



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

Instrument : EDA IP-6
Frequency : 2s ON / 2s OFF
Operators : GOL/HZ

INTERPRETATION

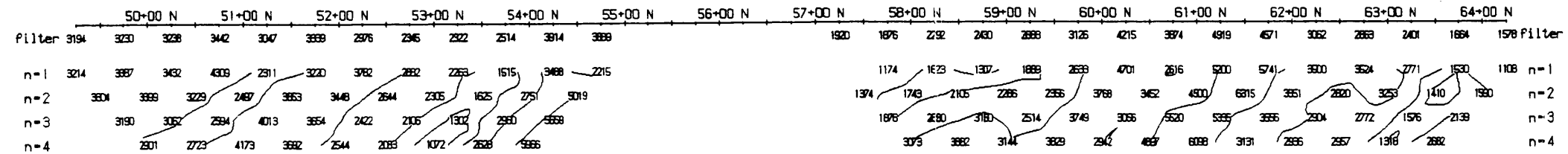
- ▬ Strong increase in polarization
- ▬ Moderate increase in polarization
- ▬ Weak increase in polarization

TECK EXPLORATION LTD.

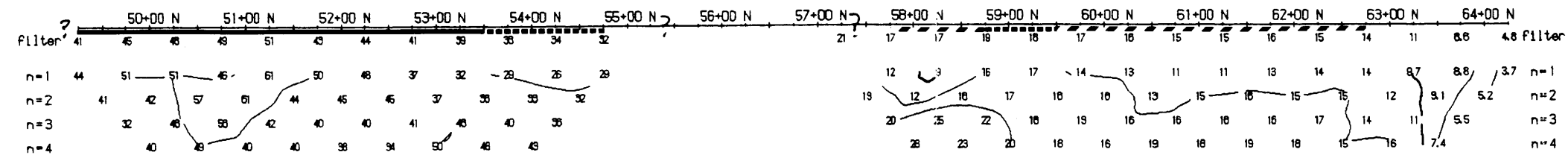
INDUCED POLARIZATION SURVEY
PORPHYRY CREEK PROJECT
RAVEN GRID, Omineca M.D., B.C.

Date: July 1991 NTS: 94C/12
Interpretation by: PAC/mjc

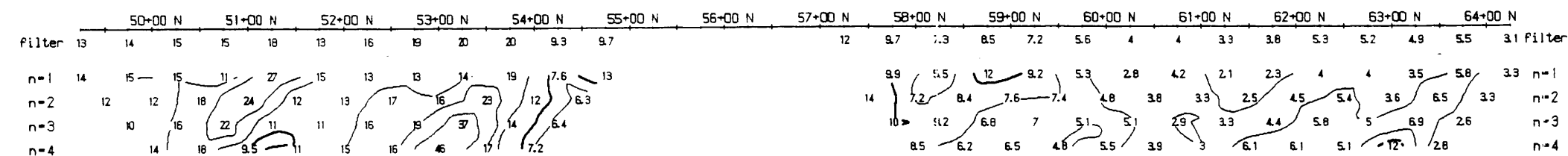
Pacific Geophysical



RESISTIVITY
(ohm.m)



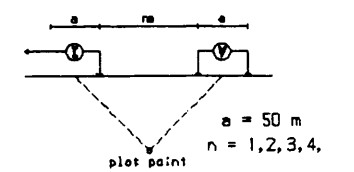
OBS. CHARGEABILITY
(msec)



METAL FACTOR
(sp/res = 1000)

Line 9600 W

Pole-Dipole Array



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

Instrument : EDA IP-6
Frequency : 2s ON / 2s OFF
Operators : GDL/HZ

INTERPRETATION

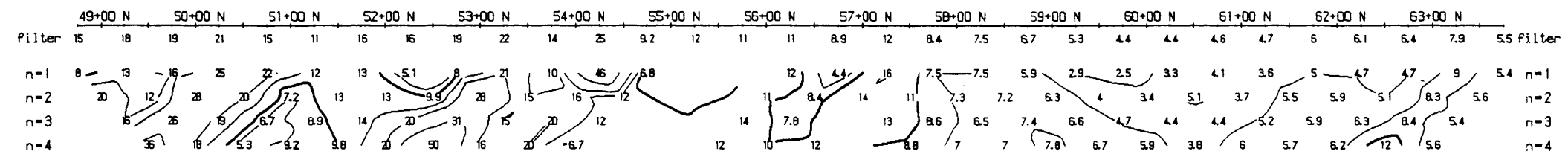
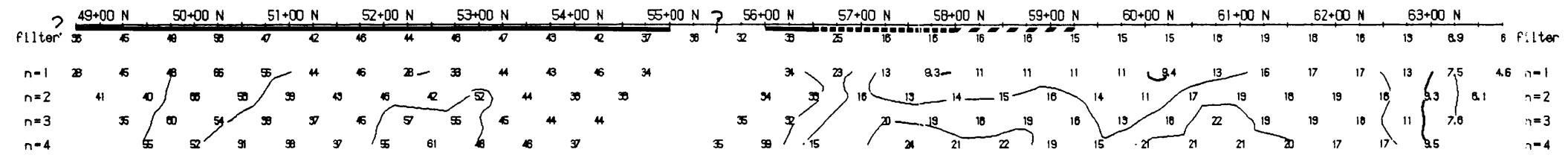
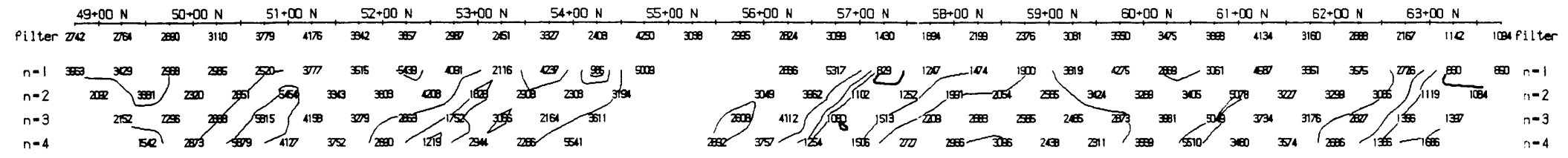
- ▬ Strong increase in polarization
- ▬▬▬▬ Moderate increase in polarization
- ▬▬▬ Weak increase in polarization

TECK EXPLORATION LTD.

INDUCED POLARIZATION SURVEY
PORPHYRY CREEK PROJECT
RAVEN GRID, Omineca M.D., B.C.

Date: July 1991 NTS: 94C/12
Interpretation by: PAC/mjc

Pacific Geophysical



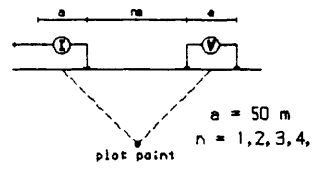
RESISTIVITY
(ohm-m)

OBS. CHARGEABILITY
(msec)

METAL FACTOR
(ip/res = 1000)

Line 9500 W

Pole-Dipole Array



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

Instrument : EDA IP-6
Frequency : 2s ON / 2s OFF
Operators : GDL/HZ

INTERPRETATION

- ▬ Strong increase in polarization
- ▬ Moderate increase in polarization
- ▬ Weak increase in polarization

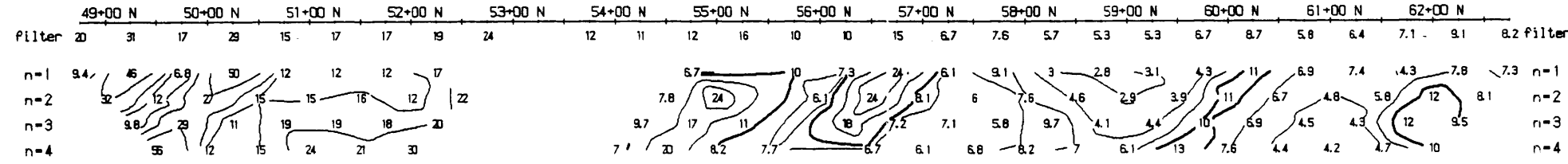
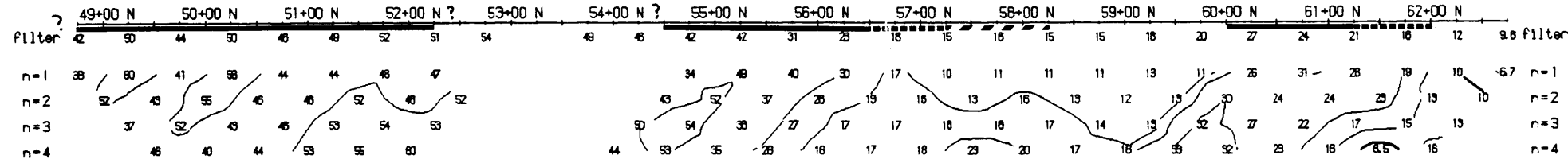
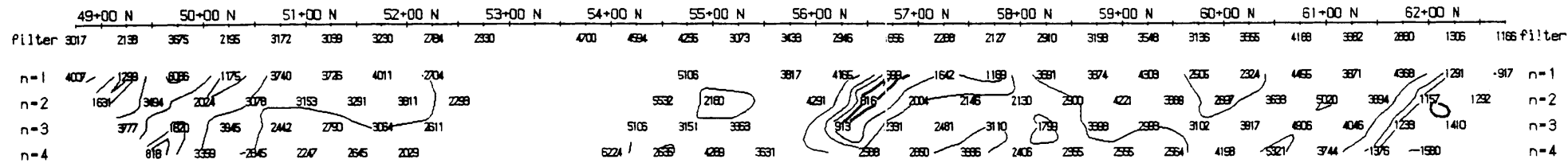
TECK EXPLORATION LTD.

**INDUCED POLARIZATION SURVEY
PORPHYRY CREEK PROJECT
RAVEN GRID, Omineca M.D., B.C.**

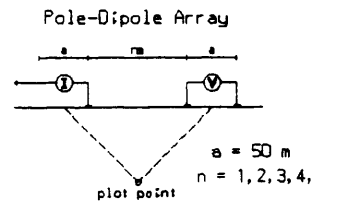
Date: July 1991 NTS: 94C/12
Interpretation by: PAC/mjc

Pacific Geophysical

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Line 9400 W



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

Instrument : EDA IP-6
Frequency : 2s ON / 2s OFF
Operators : GDL/HZ

INTERPRETATION

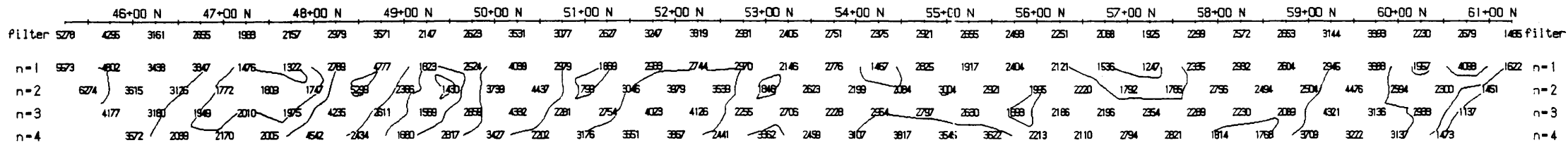
- ▬ Strong increase in polarization
- ▬▬▬▬ Moderate increase in polarization
- ▬▬▬ Weak increase in polarization

TECK EXPLORATION LTD.

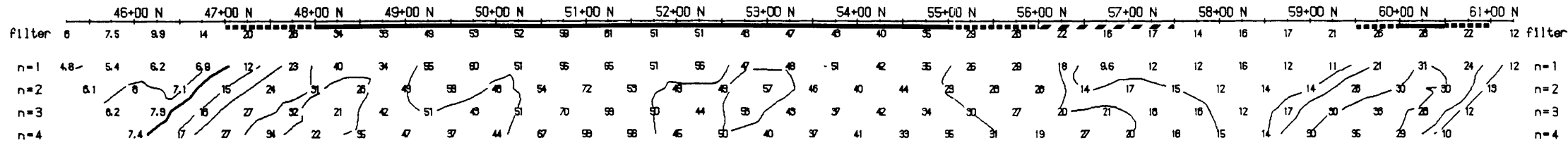
INDUCED POLARIZATION SURVEY
PORPHYRY CREEK PROJECT
RAVEN GRID, Omineca M.D., B.C.

Date: July 1991 NTS: 940/12
Interpretation by: PAC/mjc

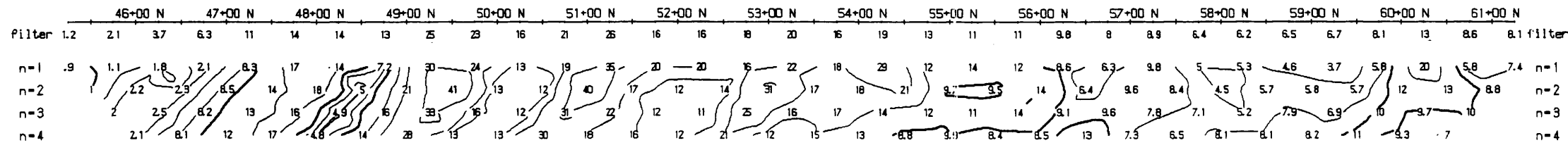
Pacific Geophysical



RESISTIVITY
(ohm.m)

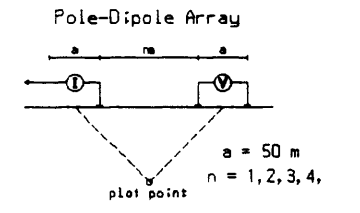


OBS. CHARGEABILITY
(msec)



METAL FACTOR
(sp/res * 1000)

Line 9300 W



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

Instrument : EDA IP-6
Frequency : 2s ON / 2s OFF
Operators : GDL/HZ

INTERPRETATION

- ▬ Strong increase in polarization
- ▬ Moderate increase in polarization
- ▬ Weak increase in polarization

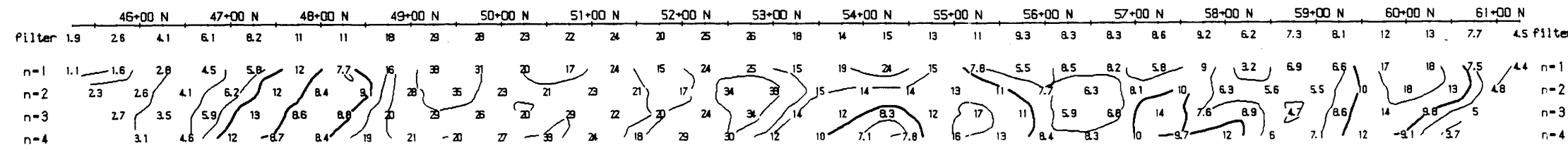
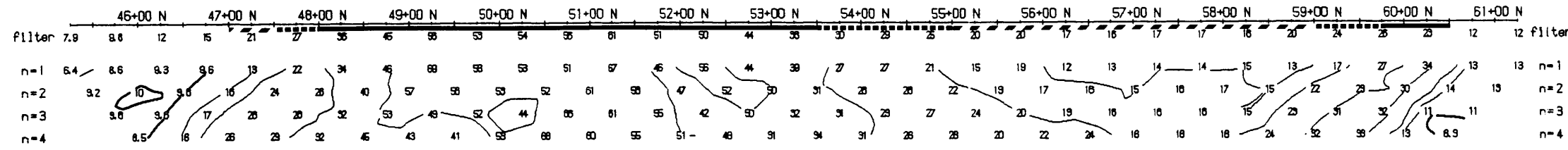
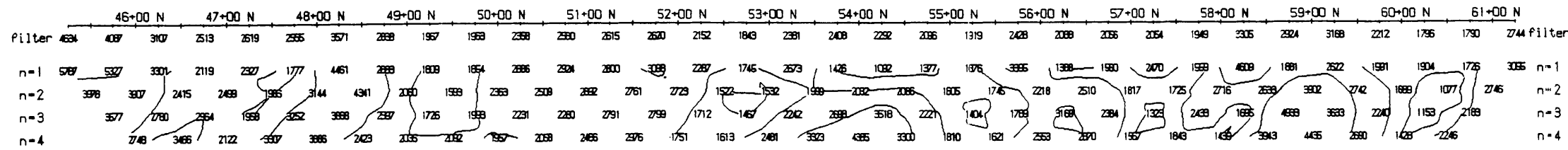
TECK EXPLORATION LTD.

**INDUCED POLARIZATION SURVEY
PORPHYRY CREEK PROJECT
RAVEN GRID, Omineca M.D., B.C.**

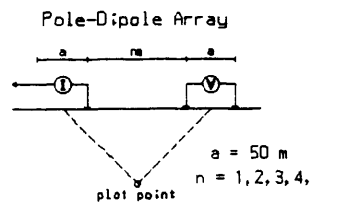
Date: July 1991 NTS: 94C/12
Interpretation by: PAC/mjc

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Line 9200 W



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

Instrument : EDA IP-6
Frequency : 2s ON / 2s OFF
Operators : GDL/HZ

INTERPRETATION

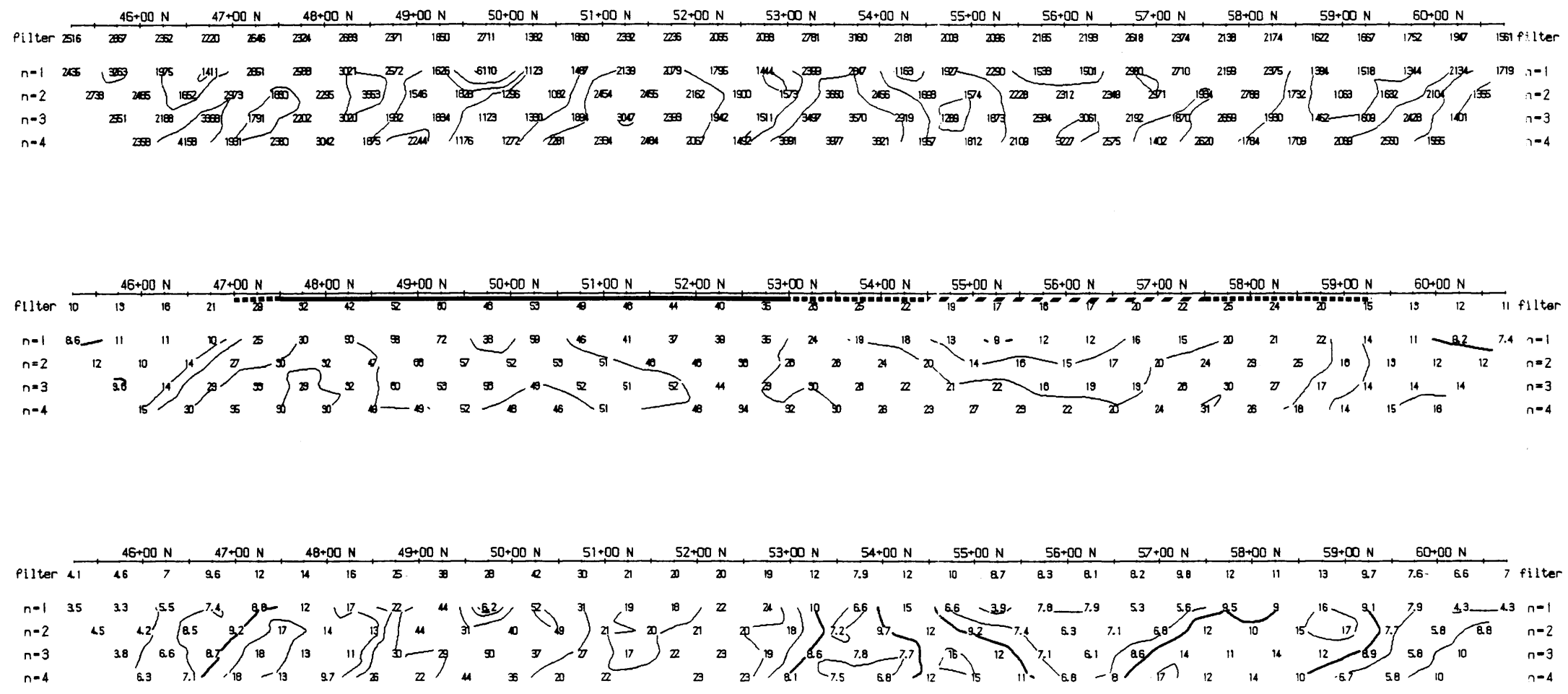
- ▬ Strong increase in polarization
- ▬▬▬▬ Moderate increase in polarization
- ▬▬▬ Weak increase in polarization

TECK EXPLORATION LTD.

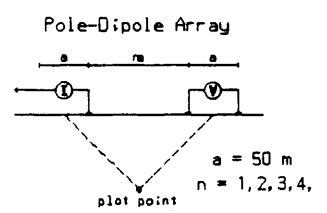
**INDUCED POLARIZATION SURVEY
PORPHYRY CREEK PROJECT
RAVEN GRID, Omineca M.D., B.C.**

Date: July 1991 NTS: 94C/12
Interpretation by: *PAC/mjc*

Pacific Geophysical



Line 9100 W



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

Instrument : EDA IP-6
 Frequency : 2s ON / 2s OFF
 Operators : GDL/HZ

INTERPRETATION

- ▬ Strong increase in polarization
- ▬▬▬▬ Moderate increase in polarization
- ▬▬▬▬▬ Weak increase in polarization

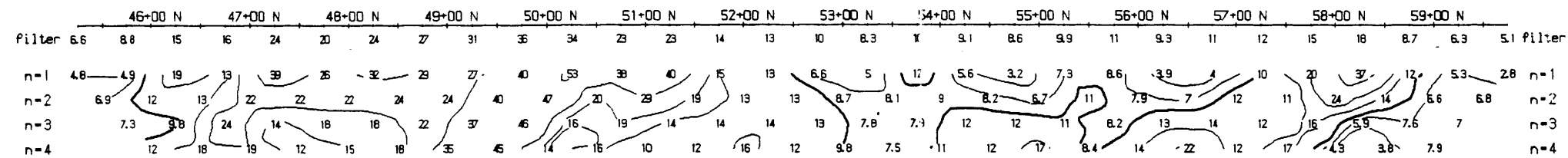
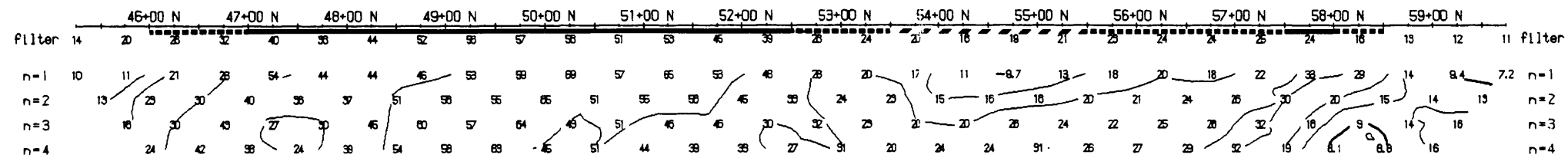
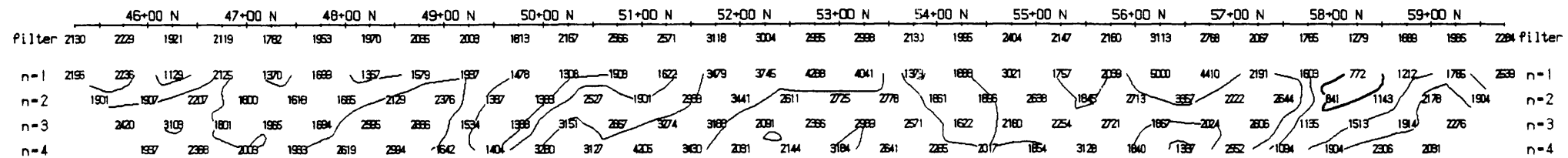
TECK EXPLORATION LTD.

**INDUCED POLARIZATION SURVEY
 PORPHYRY CREEK PROJECT
 RAVEN GRID, Omineca M.D., B.C.**

Date: July 1991 NTS: 94C/12
 Interpretation by: *pac/msc*

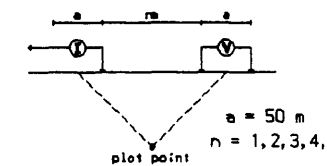
Pacific Geophysical

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Line 9000 W

Pole-Dipole Array



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

Instrument : EDA IP-6
Frequency : 2s ON / 2s OFF
Operators : GDL/HZ

INTERPRETATION

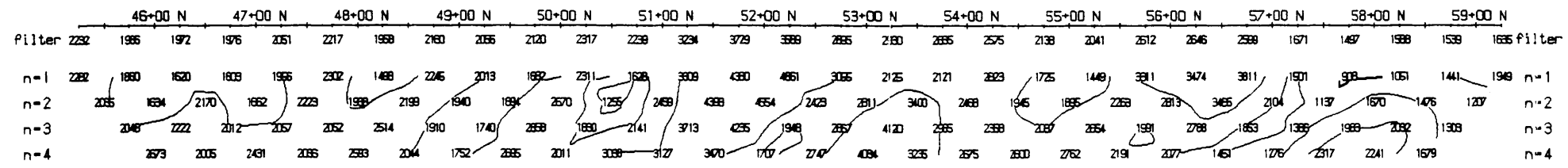
- Strong increase in polarization
- Moderate increase in polarization
- Weak increase in polarization

TECK EXPLORATION LTD.

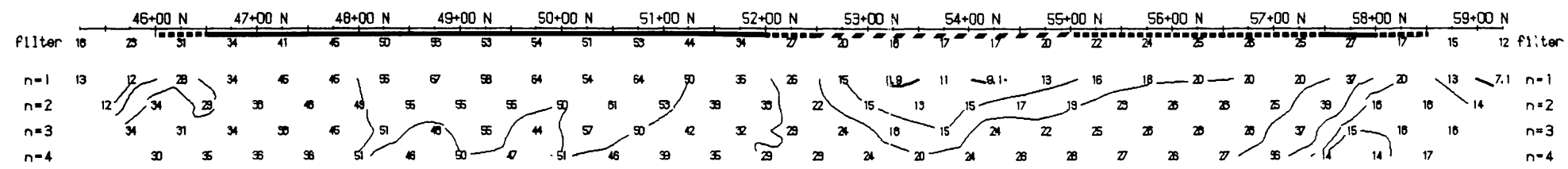
INDUCED POLARIZATION SURVEY
PORPHYRY CREEK PROJECT
RAVEN GRID, Omineca M.D., B.C.

Date: July 1991 NTS: 94C/12
Interpretation by: *BJE/mjc*

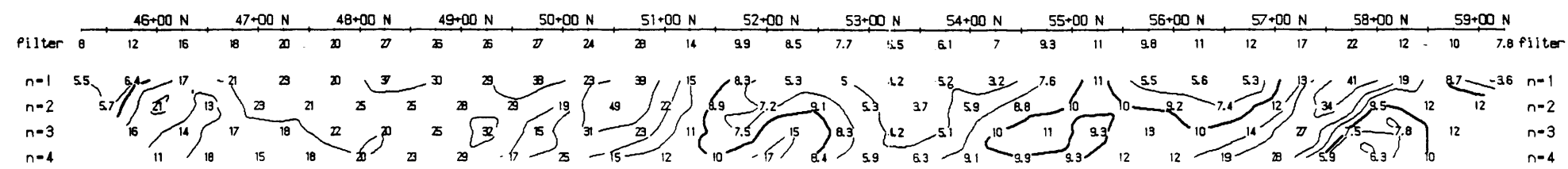
Pacific Geophysical



RESISTIVITY
(ohm-m)

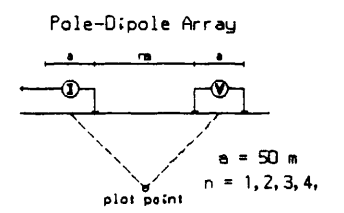


OBS. CHARGEABILITY
(msec)



METAL FACTOR
(1p/msec * 1000)

Line 8900 W



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

Instrument : EDA IP-6
Frequency : 2s ON / 2s OFF
Operators : GDL/HZ

INTERPRETATION

- ▬ Strong increase in polarization
- ▬▬▬▬ Moderate increase in polarization
- ▬▬▬▬ Weak increase in polarization

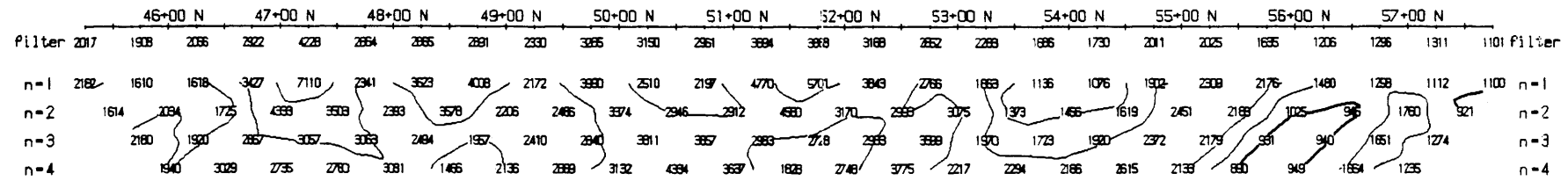
TECK EXPLORATION LTD.

**INDUCED POLARIZATION SURVEY
PORPHYRY CREEK PROJECT
RAVEN GRID, Omineca M.D., B.C.**

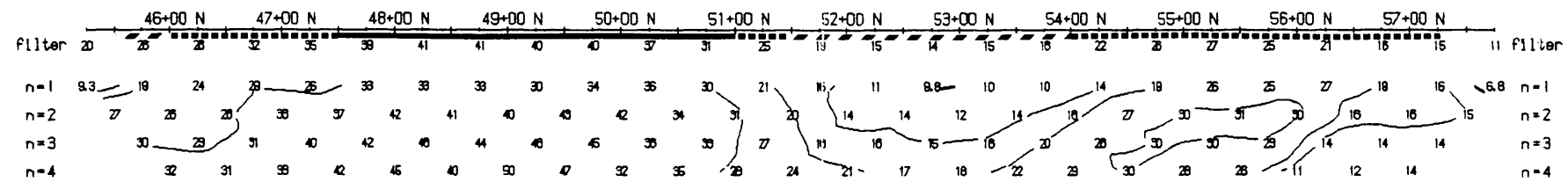
Date: July 1991 NTS: 94C/12
Interpretation by: *PAE/mjc*

Pacific Geophysical

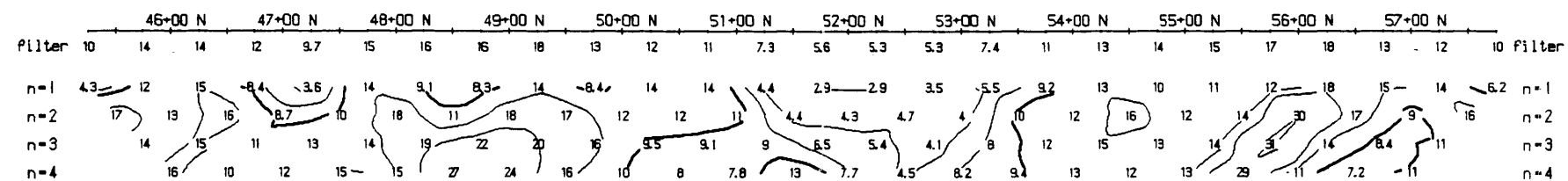
GEOSOFI (TM) Software for the Earth Sciences, Toronto, Canada



RESISTIVITY
(ohm.m)



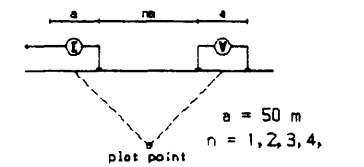
OBS. CHARGEABILITY
(msec)



METAL FACTOR
($\rho_p/\rho_{es} \times 1000$)

Line 8800 W

Pole-Dipole Array



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

Instrument : EDA IP-6
Frequency : 2s ON / 2s OFF
Operators : GDL/HZ

INTERPRETATION

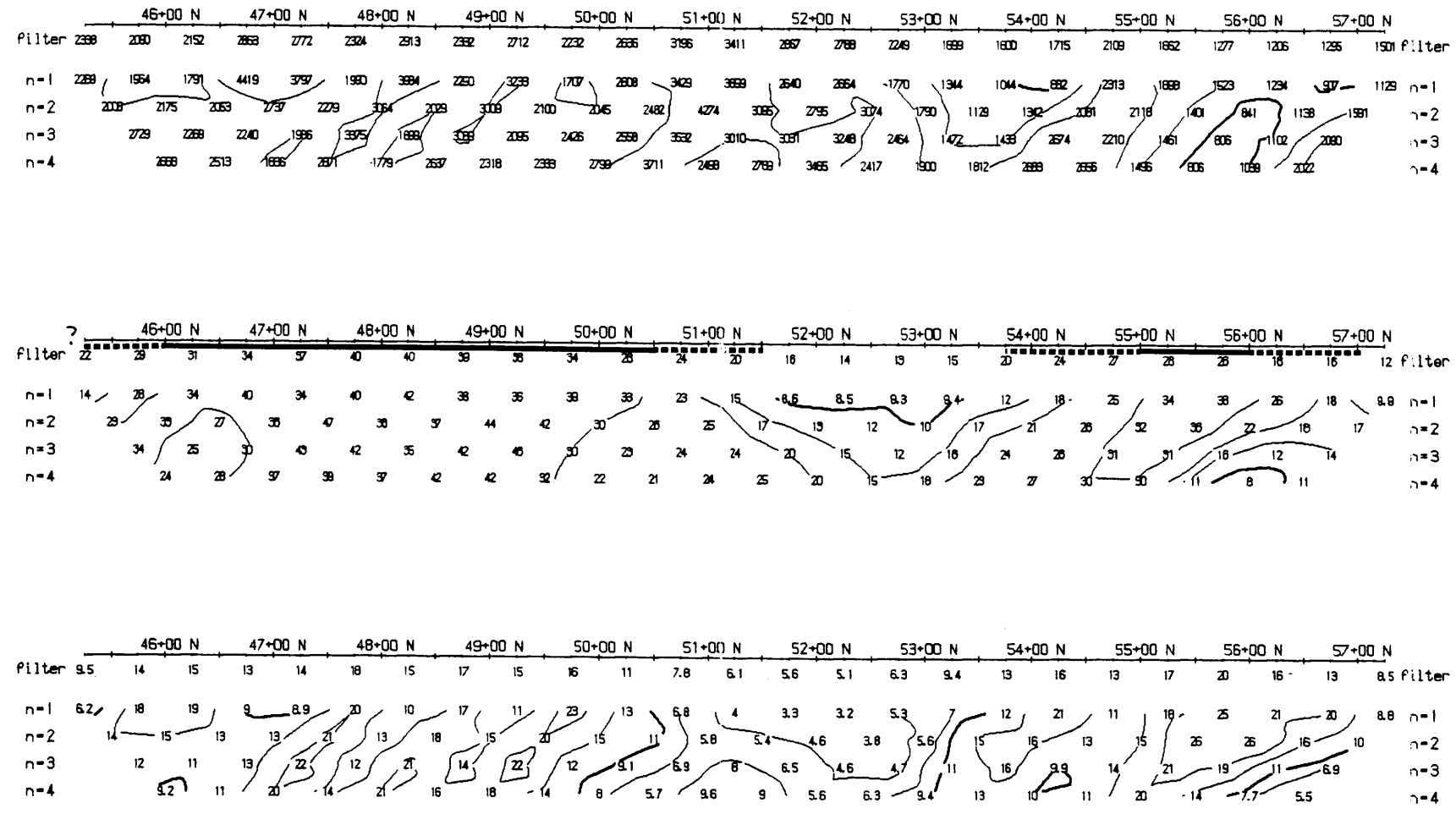
- ▬ Strong increase in polarization
- ▬▬▬▬ Moderate increase in polarization
- ▬▬▬ Weak increase in polarization

TECK EXPLORATION LTD.

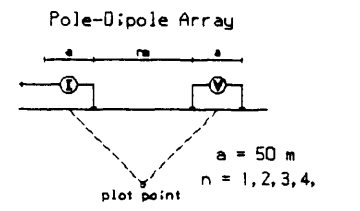
**INDUCED POLARIZATION SURVEY
PORPHYRY CREEK PROJECT
RAVEN GRID, Omineca M.D., B.C.**

Date: July 1991 NTS: 94C/12
Interpretation by: PAC/MJC

Pacific Geophysical



Line 8700 W



RESISTIVITY
(ohm.m)

OBS. CHARGEABILITY
(msec)

METAL FACTOR
(ip/res * 1000)

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

Instrument : EDA IP-6
Frequency : 2s ON / 2s OFF
Operators : GDL/HZ

INTERPRETATION

- ▬ Strong increase in polarization
- ▬▬▬ Moderate increase in polarization
- ▬▬▬▬ Weak increase in polarization

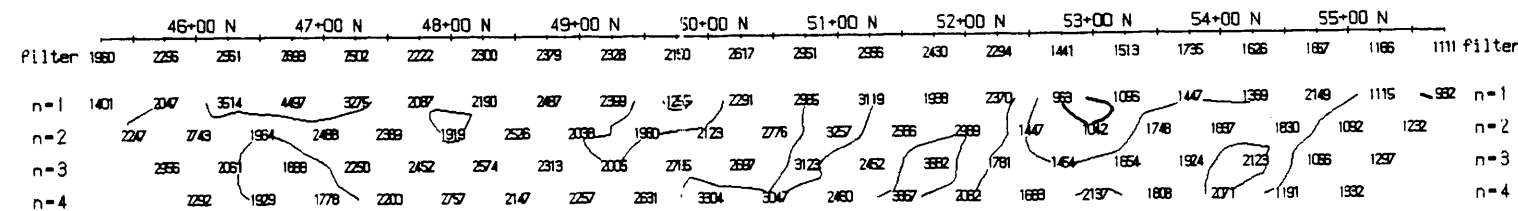
TECK EXPLORATION LTD.

INDUCED POLARIZATION SURVEY
PORPHYRY CREEK PROJECT
RAVEN GRID, Omineca M.D., B.C.

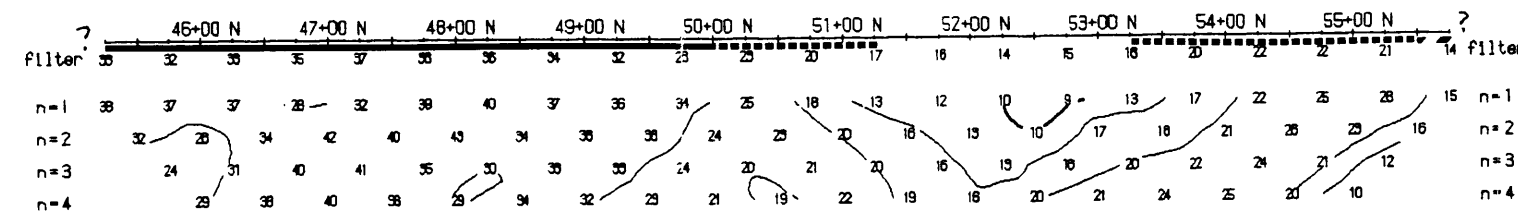
Date: July 1991 NTS: 940/12
Interpretation by: *pac/mjc*

Pacific Geophysical

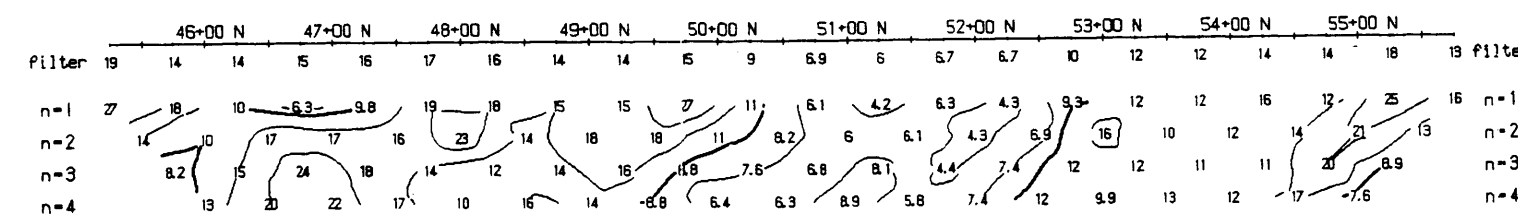
RESIST (CN) Software for the Earth Sciences, Toronto, Canada



RESISTIVITY
(ohm-m)

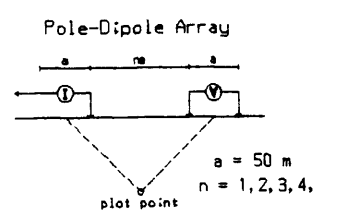


OBS. CHARGEABILITY
(msec)



METAL FACTOR
(lp/msec * 1000)

Line 8600 W



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

Instrument : EDA IP-6
Frequency : 2s ON / 2s OFF
Operators : GDL/HZ

INTERPRETATION

- █ Strong increase in polarization
- ▒ Moderate increase in polarization
- ▓ Weak increase in polarization

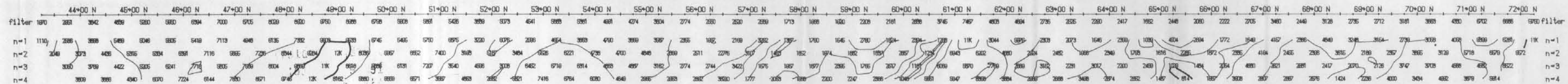
TECK EXPLORATION LTD.

INDUCED POLARIZATION SURVEY
PORPHYRY CREEK PROJECT
RAVEN GRID, Omineca M.D., B.C.

Date: July 1991 NTS: 94C/12
Interpretation by: *PSC/msc*

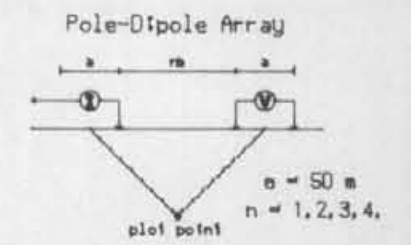
Pacific Geophysical

GEOSURF (09) Software for the Earth Sciences, Toronto, Canada



RESISTIVITY
(ohm-m)

Line 3900 E



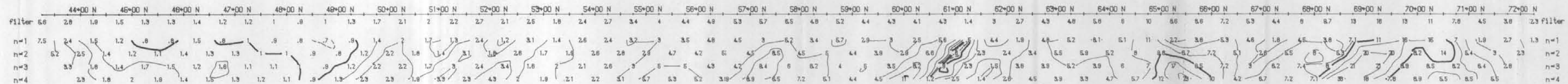
OBS. CHARGEABILITY
(percent)

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

Instrument : EDA IP-6
Frequency : 2a ON / 2a OFF
Operators : GOL/HFZ

INTERPRETATION

- Strong increase in polarization
- Moderate increase in polarization
- Weak increase in polarization



METAL FACTOR
(sp/row * 1000)

TECK EXPLORATION LTD.

INDUCED POLARIZATION SURVEY
PORPHYRY CREEK PROJECT
Porphyry Grid, Omineca M.D., B.C.

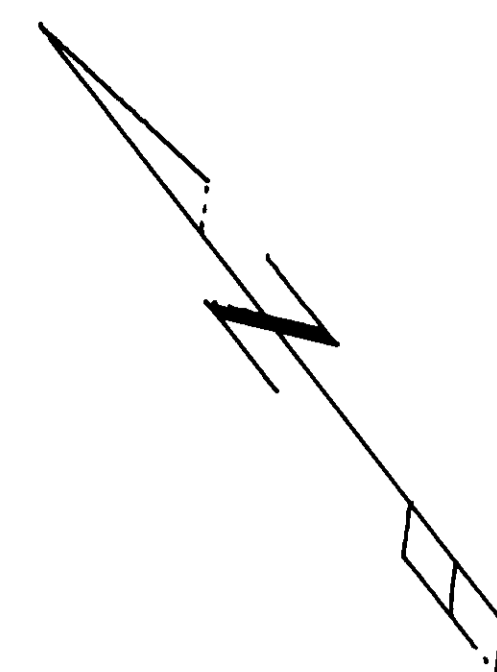
Date: July 1991
Interpretation by: PTC

NTS: 94C/5, 12
94D/8, 9
Scale 1:5000

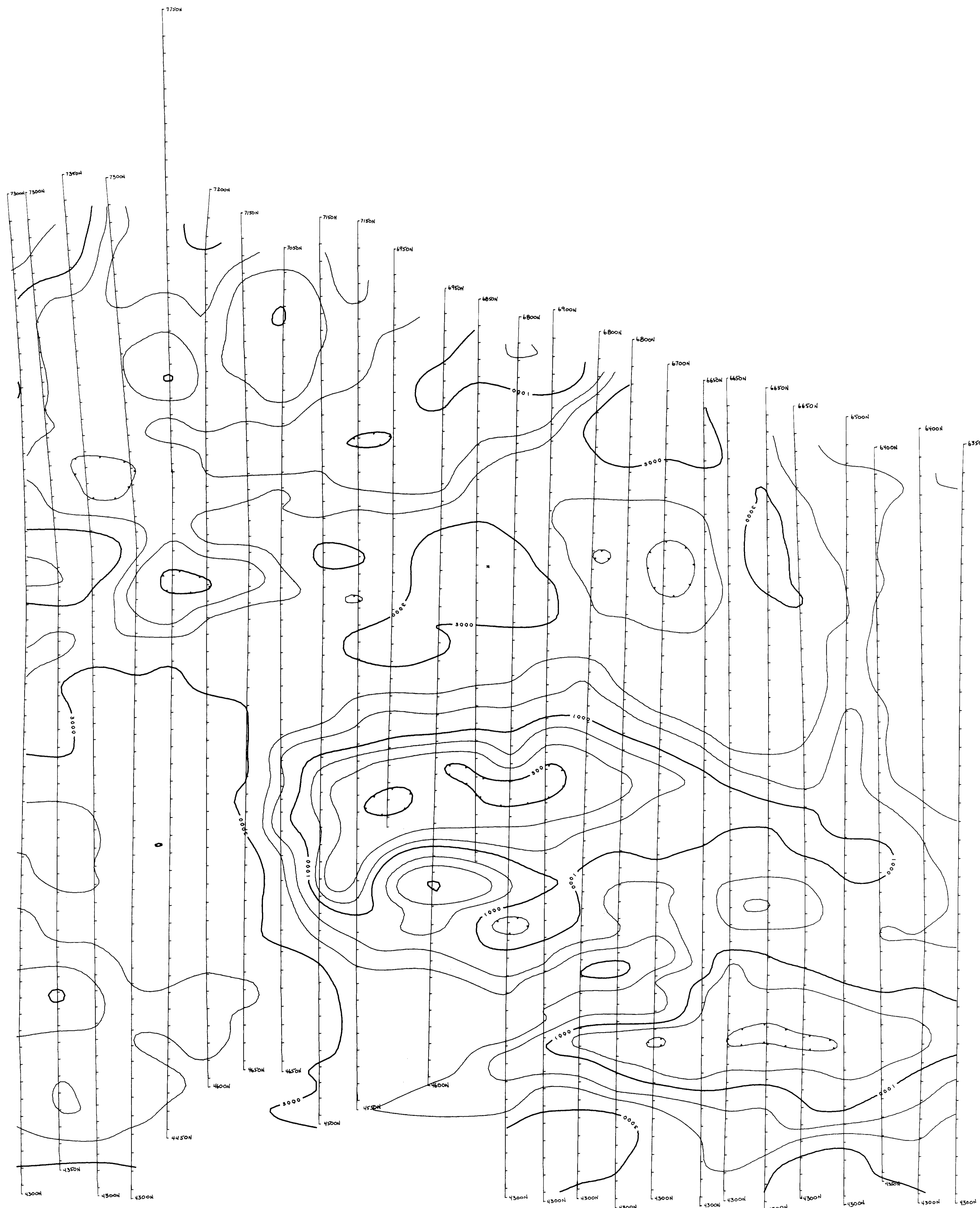
GEOLOGICAL ASSESSMENT REPORT

DATA SHEET
22,083

GEOPLOT (MS) software for the earth sciences, Toronto, Canada



3900E
4000E
4100E
4200E
4300E
4400E
4500E
4600E
4700E
4800E
4900E
5000E
5100E
5200E
5300E
5400E
5500E
5600E
5725E
5800E
5900E
6000E
6100E
6200E
6300E
6400E



GEOLOGICAL BRANCH
ASSESSMENT REPORT
22,083

TECK EXPLORATION LTD.

RESISTIVITY SURVEY

PORPHYRY CREEK PROJECT
Porphyry Grid, Onitoca M.D., B.C.

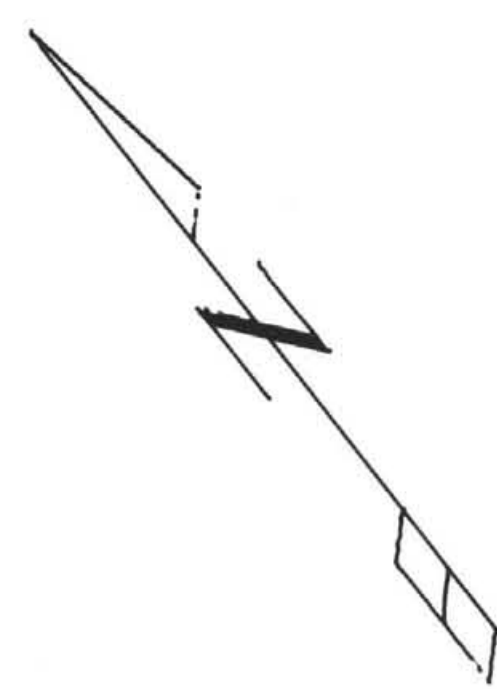
SCALE = 1 : 5000 DATE : Jul/Aug, 91
SURVEY BY : GDL/HZ NTS : 94C/S, 12
PLAN: PORRES : 94D/B, 9
Pacific Geophysical Ltd.

To accompany report by P. Cartwright
and M. Corns dated: 7/84, 2/91

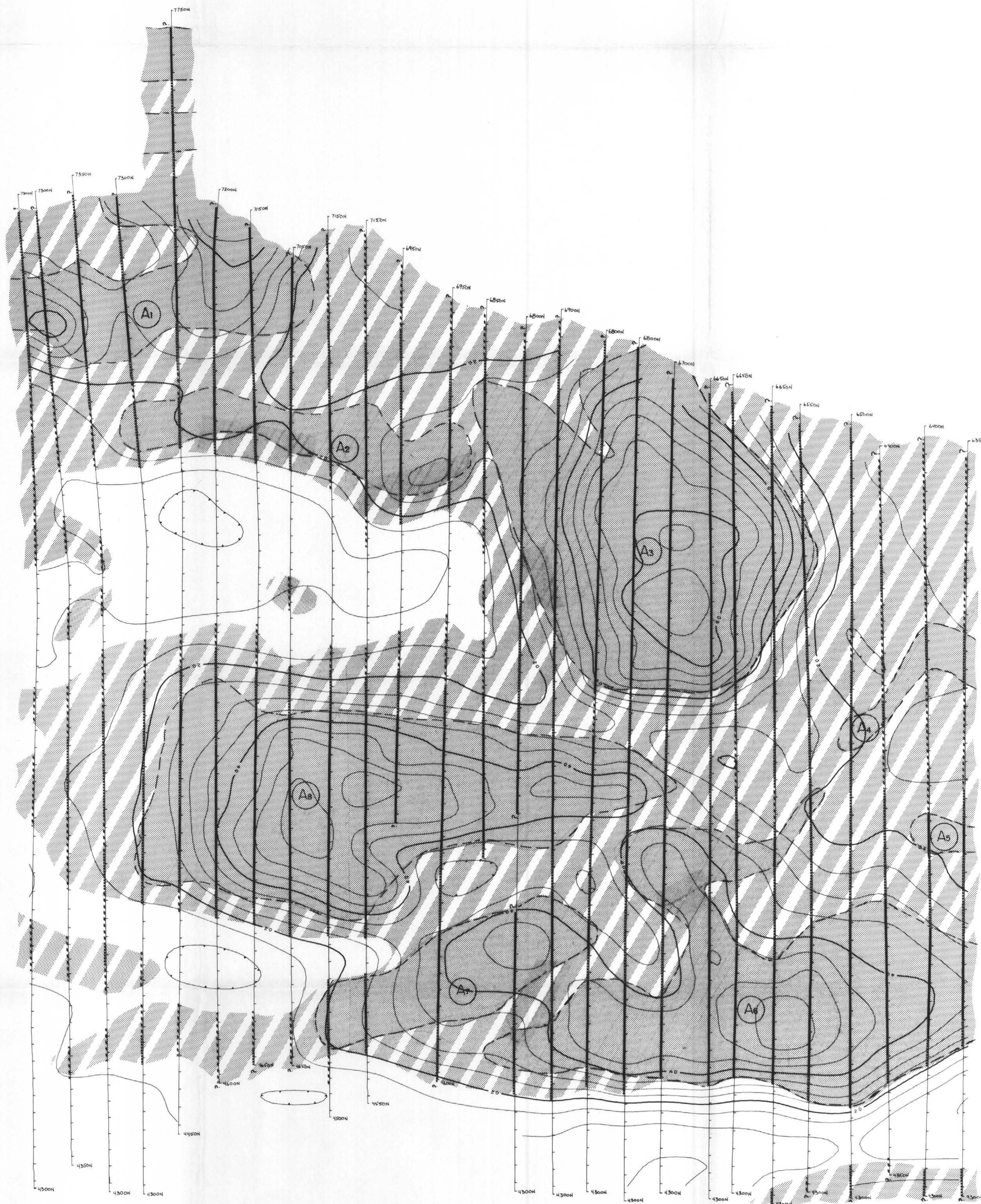
Instrument : EDR 1P6
Pole-Dipole Array, n=14, a=50m.
Current Electrode to the South.

Logarithmic Contours: 1, 1.5, 2, 3, 5
7.5, 10, ... Ohm-m.

10 Point Filter :



3900E 4000E 4100E 4200E 4300E 4400E 4500E 4600E 4700E 4800E 4900E 5000E 5100E 5200E 5300E 5400E 5500E 5600E 5725E 5800E 5900E 6000E 6100E 6200E 6300E 6400E



INTERPRETATION
 Strong increase in polarization ———
 Moderate increase in polarization - - - - -
 Weak increase in polarization ······

OUTLINE OF ANOMALOUS ZONE

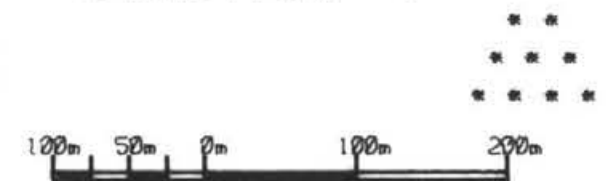
STRONGLY ANOMALOUS SOURCE
 LESS ANOMALOUS and/or DEEPLY BURIED SOURCE

To accompany report by P. Cartwright and M. Corwin dated July 29/91

Instrument : EDA IP6
 Pole-Dipole Array, n=1-4, a=50m.
 Current Electrode to the South.

Contour Interval: 5 msec

10 Point Filter :



GEOLOGICAL BRANCH
 ASSESSMENT REPORT

22,083

TECK EXPLORATION LTD.

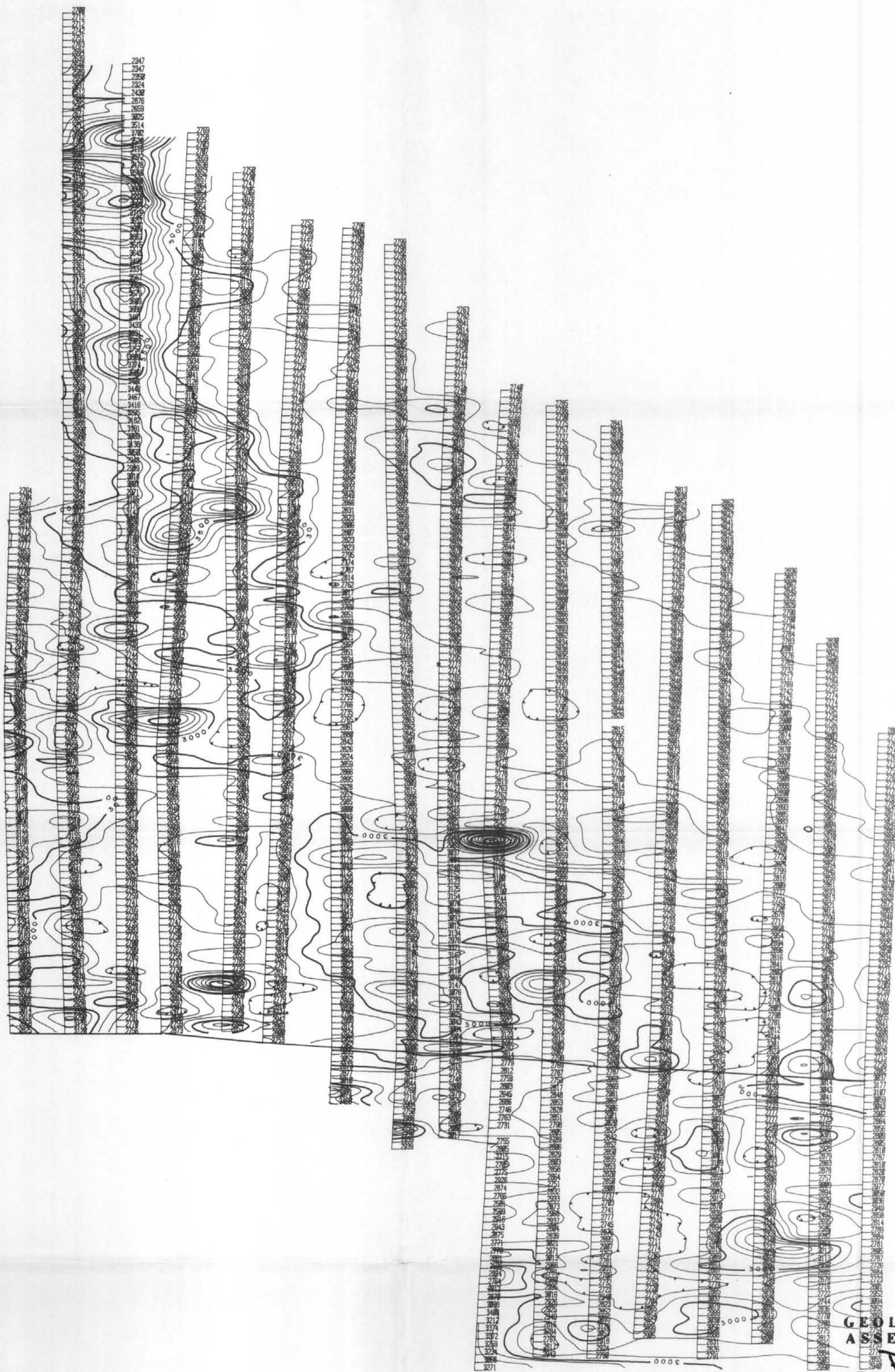
INDUCED POLARIZATION SURVEY

PORPHYRY CREEK PROJECT
 Porphyry Grid, Omineca M.D., B.C.

SCALE = 1 : 5000 DATE : Jul/Aug, 91
 SURVEY BY : GDL/HZ NTS : 94C/S, 12
 PLAN: PORIP : 94D/8, 9
 Pacific Geophysical Ltd.



10200W
10100W
10000W
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8900W
8800W
8700W
8600W



BASELINE 5000N

GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,083

To accompany report by P.R. Cartwright
and M.J. Corner dated: JAN 24/92

Field Instrument : GSM-19
Base-station : PPM 375
Baseline Azimuth : 88 Degree
Datum : 55000 nT
Contour Interval : 100 nT



TECK EXPLORATION LTD.
MAGNETOMETER SURVEY

PORPHYRY CREEK PROJECT
Raven Grid, Omineca M.D., B.C.

SCALE = 1 : 5000 DATE : July 1991.
SURVEY BY : GDL/HZ NT5 : 94C/12

PLAN: MRVMMAG
Pacific Geophysical

10200W
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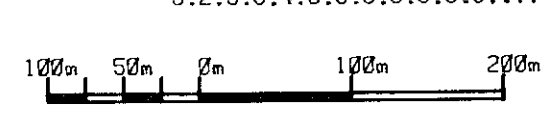
BASELINE 5000N

GEOLOGICAL BRANCH
ASSESSMENT REPORT
Part A 996
22,083

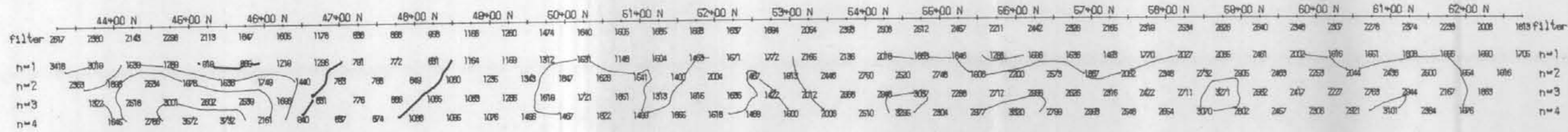
To accompany report by P.A. Cartwright
and M.J. Cormier dated: JAN 24/92

Instrument : IP-6
Baseline Azimuth : 80 Degrees
Pole - Dipole Array, n=1-4, s=50 meters
Current Electrode to the South

10 Point Filter :
Logarithmic Contours : 1.1, 4, 1.8, 2.2, 2.6,
3.2, 3.8, 4.6, 5.6, 6.8, 8.3, ... ohm-m

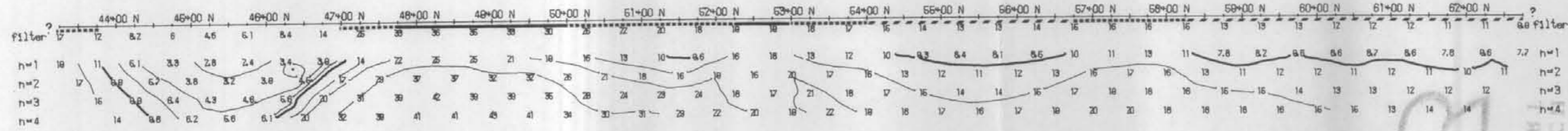
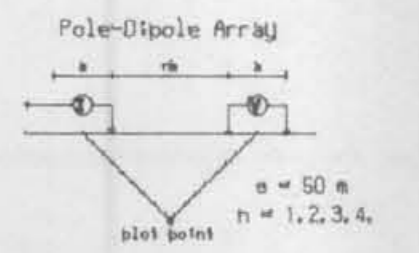


TECK EXPLORATION LTD.
RESISTIVITY SURVEY
PORPHYRY CREEK PROJECT
Raven Grid, Omineca M.D., B.C.
SCALE = 1 : 5000 DATE : July 1991.
SURVEY BY : GDL/HZ NTS : 94C/12
PLAN: MRVRES
Pacific Geophysical



RESISTIVITY
(ohm.m)

Line 6400 E



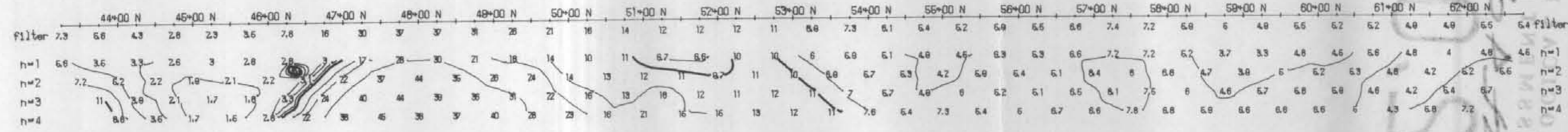
OBS. CHARGEABILITY
(msec)

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

Instrument : EDA IP-6
Frequency : 2e ON / 2e OFF
Operators : GDL/HFZ

INTERPRETATION

- Strong increase in polarization
- ##### Moderate increase in polarization
- ////// Weak increase in polarization



METAL FACTOR
(sp/row * 1000)

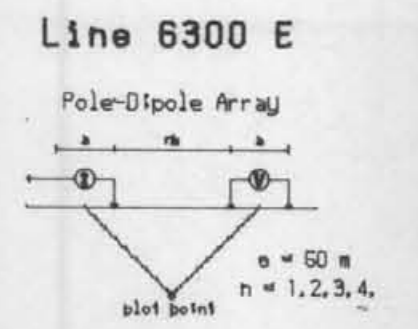
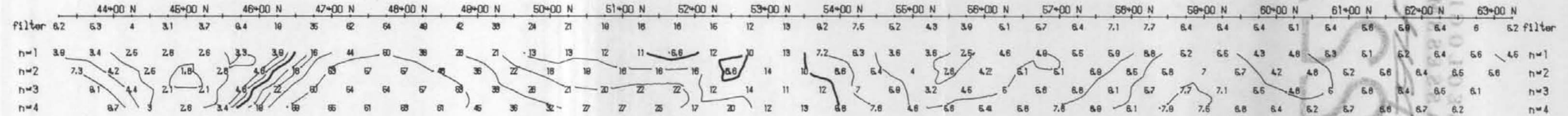
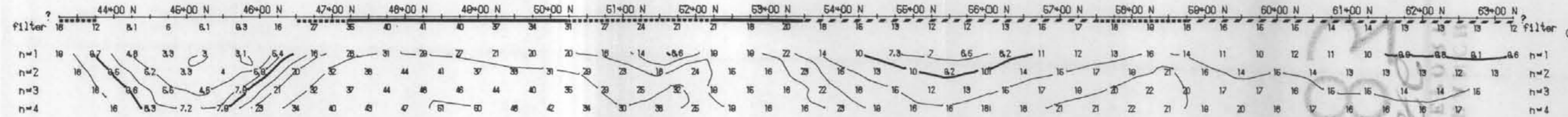
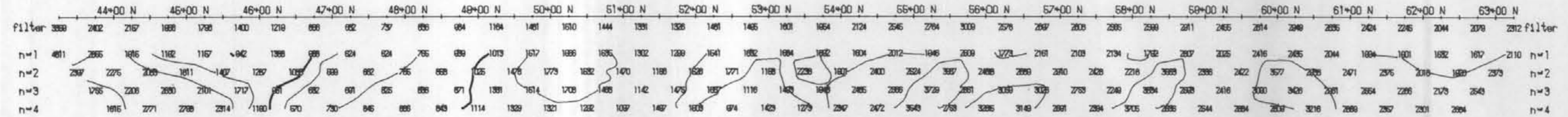
TECK EXPLORATION LTD.

INDUCED POLARIZATION SURVEY
PORPHYRY CREEK PROJECT
Porphyry Grid, Omineca M.D., B.C.

Date: July 1981
Interpretation by: PAC
NTS: 84C/5, 12
84D/8, 9
Scale 1:15000

Pacific Geophysical

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

Instrument : EDA 1P-6
Frequency : 2s ON / 2s OFF
Operators : GDL/HFZ

INTERPRETATION

- ▬ Strong increase in polarization
- ▬ Moderate increase in polarization
- ▬ Weak increase in polarization

TECK EXPLORATION LTD.

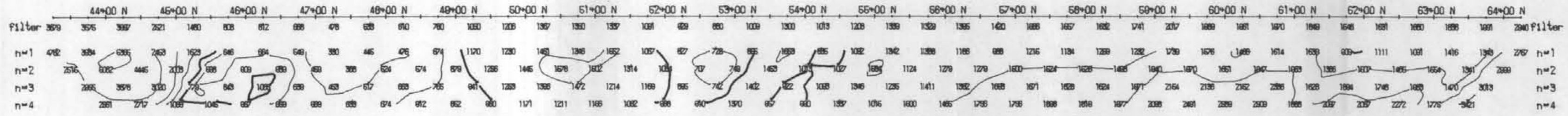
INDUCED POLARIZATION SURVEY
PORPHYRY CREEK PROJECT
Porphyry Grid, Omineca M.D., B.C.

Date: July 1991
Interpretation by: *PAc*

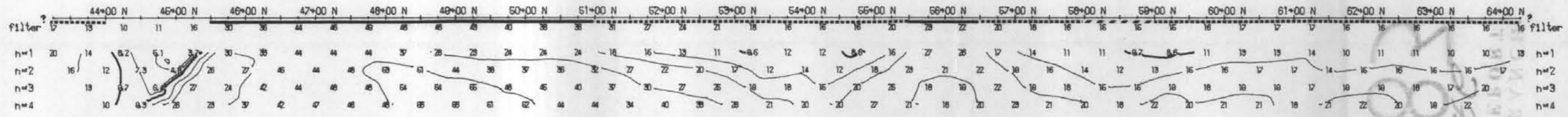
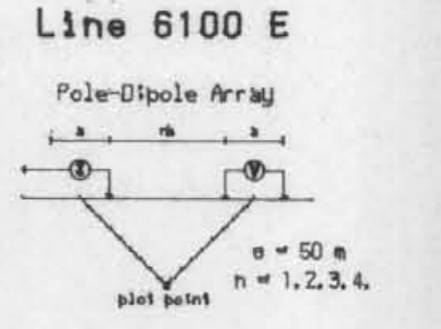
NTS: 94C/5, 12
94D/8, 9
Scale 1:5000

Pacific Geophysical

22083



RESISTIVITY
(ohm-m)



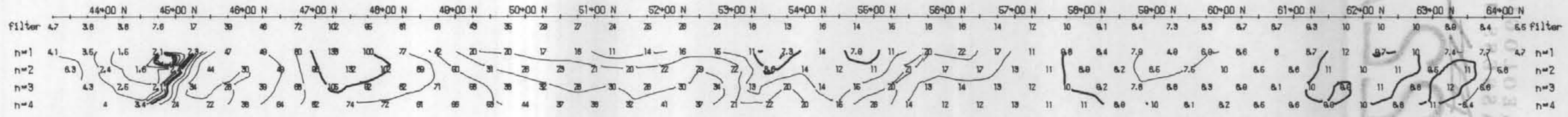
OBS. CHARGEABILITY
(%)

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

Instrument : EDA IP-6
Frequency : 2e ON / 2e OFF
Operators : GDL/HFZ

INTERPRETATION

- Strong increase in polarization
- Moderate increase in polarization
- Weak increase in polarization



METAL FACTOR
(ip/m * 1000)

TECK EXPLORATION LTD.

**INDUCED POLARIZATION SURVEY
PORPHYRY CREEK PROJECT
Porphyry Grid, Omineca N.D., B.C.**

Date: July 1981 NTS: 84C/5, 12
Interpretation by: *FAC* 84D/5, 9
Scale 1:5000

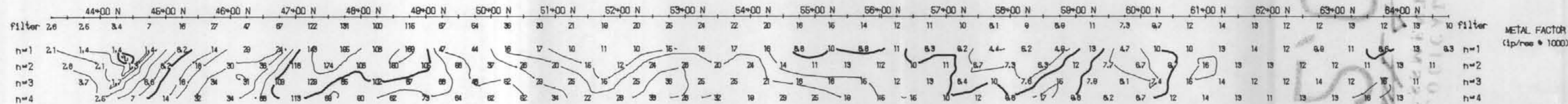
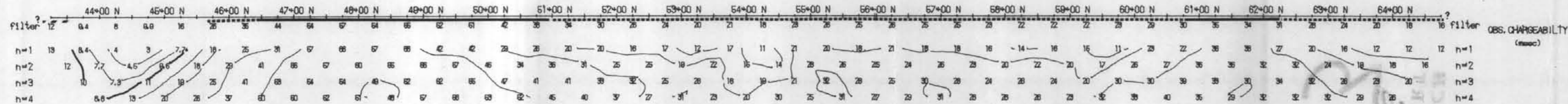
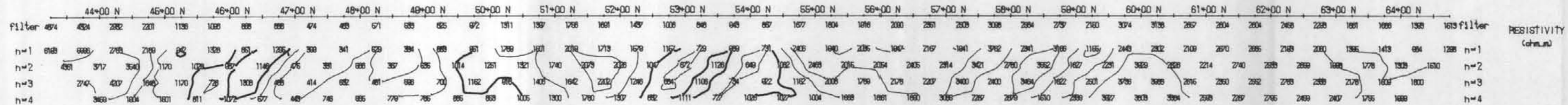
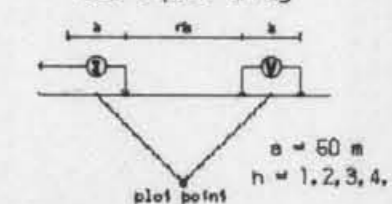
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22083

GEOPLOT (16) Software for the Earth Sciences. Toronto, Canada

Line 6000 E

Pole-Dipole Array



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

Instrument : EDA IP-6
Frequency : 2s ON / 2s OFF
Operators : GDL/HFZ

INTERPRETATION

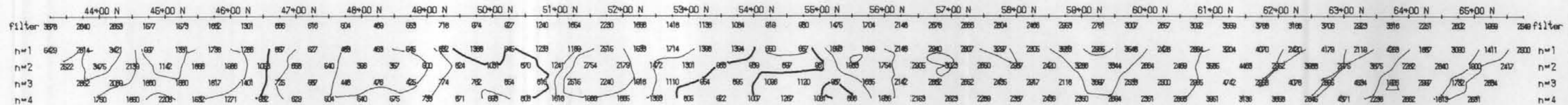
- Strong increase in polarization
- Moderate increase in polarization
- Weak increase in polarization

TECK EXPLORATION LTD.

INDUCED POLARIZATION SURVEY
PORPHYRY CREEK PROJECT
Porphyry Grid, Omineca M.D., B.C.

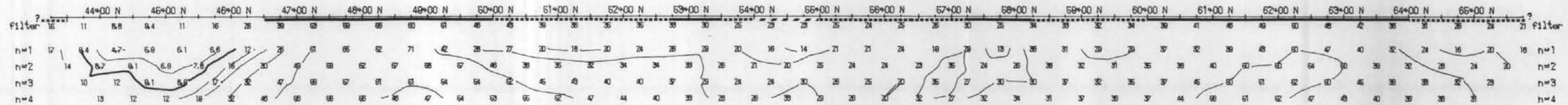
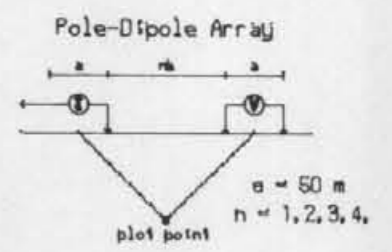
Date: July 1991 NTS: 84C/5, 12
Interpretation by: Pac 84D/8, 8
Scale 1:5000

Pacific Geophysical



RESISTIVITY
(ohm.m)

Line 5900 E



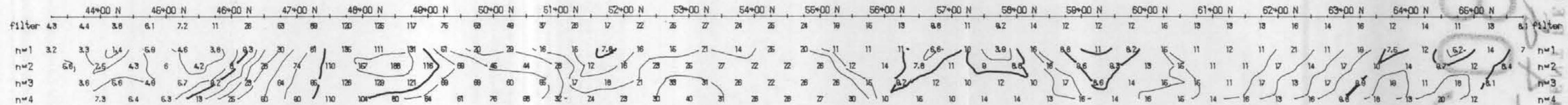
OBS. CHARGEABILITY
(%)

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

Instrument : EDA IP-6
Frequency : 2s ON / 2s OFF
Operator : JDL/HZ

INTERPRETATION

- ▬ Strong increase in polarization
- ▬ Moderate increase in polarization
- ▬ Weak increase in polarization



METAL FACTOR
(ip/res * 1000)

TECK EXPLORATION LTD.

**INDUCED POLARIZATION SURVEY
PORPHYRY CREEK PROJECT
Porphyry Grid, Omineca M.D., B.C.**

Date: July 1991 NTS: 94C/5, 12
Interpretation by: Pac 94D/8, 9
Scale: 1:5000

Pacific Geophysical

5900
 PHOTO COPY BY VCH

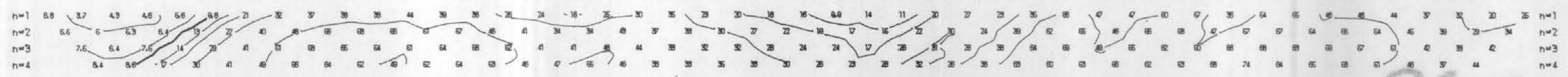
22083

44+00 N 45+00 N 46+00 N 47+00 N 48+00 N 49+00 N 50+00 N 51+00 N 52+00 N 53+00 N 54+00 N 55+00 N 56+00 N 57+00 N 58+00 N 59+00 N 60+00 N 61+00 N 62+00 N 63+00 N 64+00 N 65+00 N



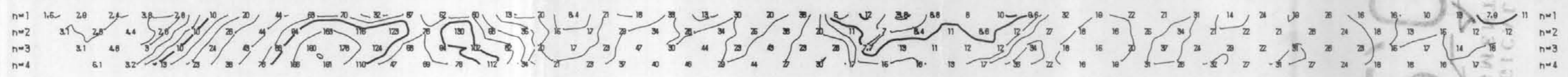
RESISTIVITY (ohm.m)

44+00 N 45+00 N 46+00 N 47+00 N 48+00 N 49+00 N 50+00 N 51+00 N 52+00 N 53+00 N 54+00 N 55+00 N 56+00 N 57+00 N 58+00 N 59+00 N 60+00 N 61+00 N 62+00 N 63+00 N 64+00 N 65+00 N



OBS. CHANGEABILITY (msec)

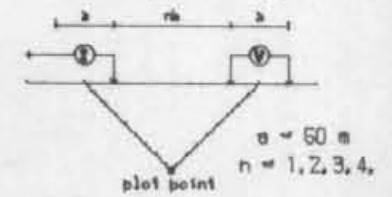
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METAL FACTOR (sp/ree * 1000)

Line 5800 E

Pole-Dipole Array



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

Instrument | EDA 1P-6
Frequency | 2s ON / 2s OFF
Operators | GDL/HFZ

INTERPRETATION

- ▬ Strong increase in polarization
- ▬▬▬ Moderate increase in polarization
- ▬▬▬▬ Weak increase in polarization

TECK EXPLORATION LTD.

INDUCED POLARIZATION SURVEY
PORPHYRY CREEK PROJECT
Porphyry Grid, Omineca M.D., B.C.

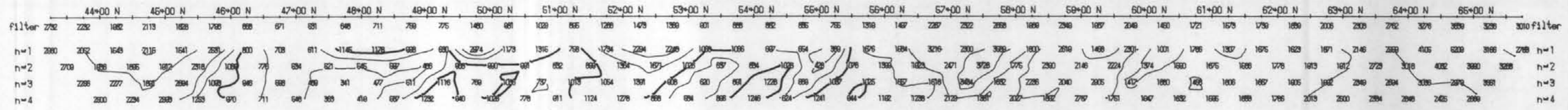
Date: July 1991 NTS: 94C/5, 12
Interpretation by: PFA 94D/5, 9
Scale: 1:5000

Pacific Geophysical

5800 E
GEOLOGICAL BRANCH

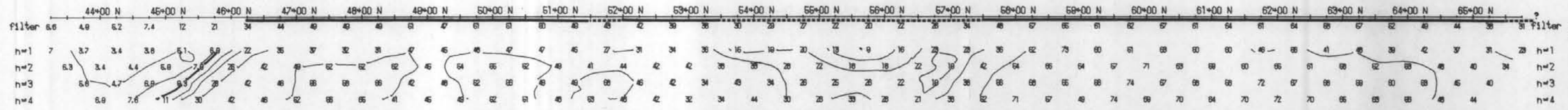
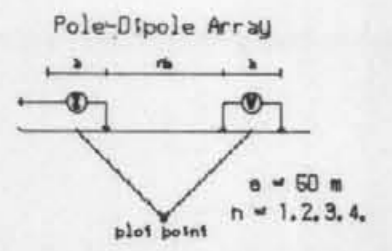
22083

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RESISTIVITY
(ohm.m)

Line 5725 E



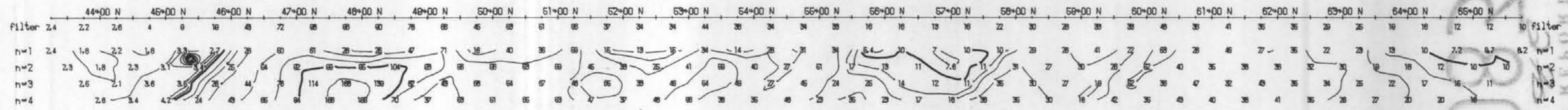
OBS. CHARGEABILITY
(micro)

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

Instrument : EDA IP-6
Frequency : 2e ON / 2e OFF
Operators : GDL/HFZ

INTERPRETATION

- ▬ Strong increase in polarization
- ▬ Moderate increase in polarization
- ▬ Weak increase in polarization



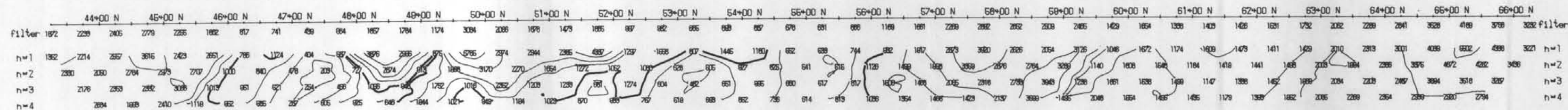
METAL FACTOR
(cp/ma * 1000)

TECK EXPLORATION LTD.

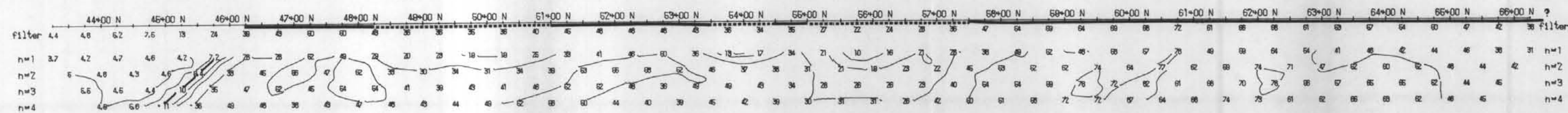
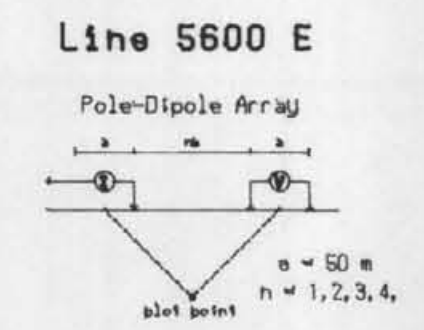
INDUCED POLARIZATION SURVEY
PORPHYRY CREEK PROJECT
Porphyry Grid, Omineca M.D., B.C.

Date: July 1991 NTS: 84C/5, 12
Interpretation by: PAK 84D/8, 8
Scale 1:5000

Pacific Geophysical



RESISTIVITY
(ohm-m)



OBS. CHARGEABILITY
(%)

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

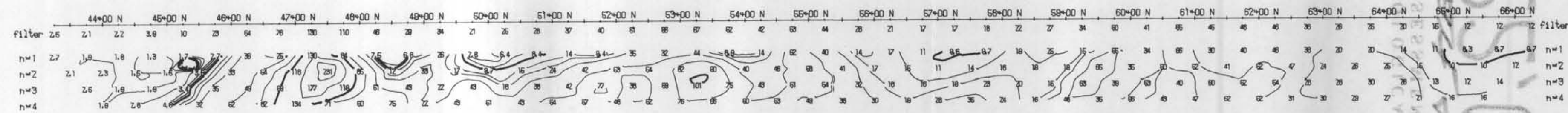
Instrument | EDA IP-6
Frequency | 2e ON / 2e OFF
Operators | GDL/HFZ

INTERPRETATION

Strong increase in polarization

Moderate increase in polarization

Weak increase in polarization



METAL FACTOR
(1p/res * 1000)

TECK EXPLORATION LTD.

INDUCED POLARIZATION SURVEY
PORPHYRY CREEK PROJECT
Porphyry Grid, Omineca M.D..B.C.

Date: July 1991
Interpretation by: PAc

NSI 94C/5.12
840/8.9
Scale 1:5000

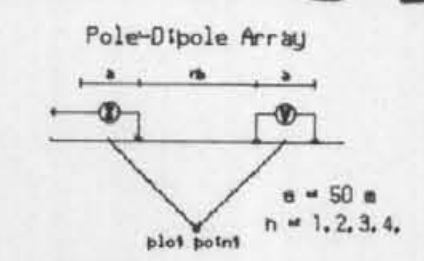
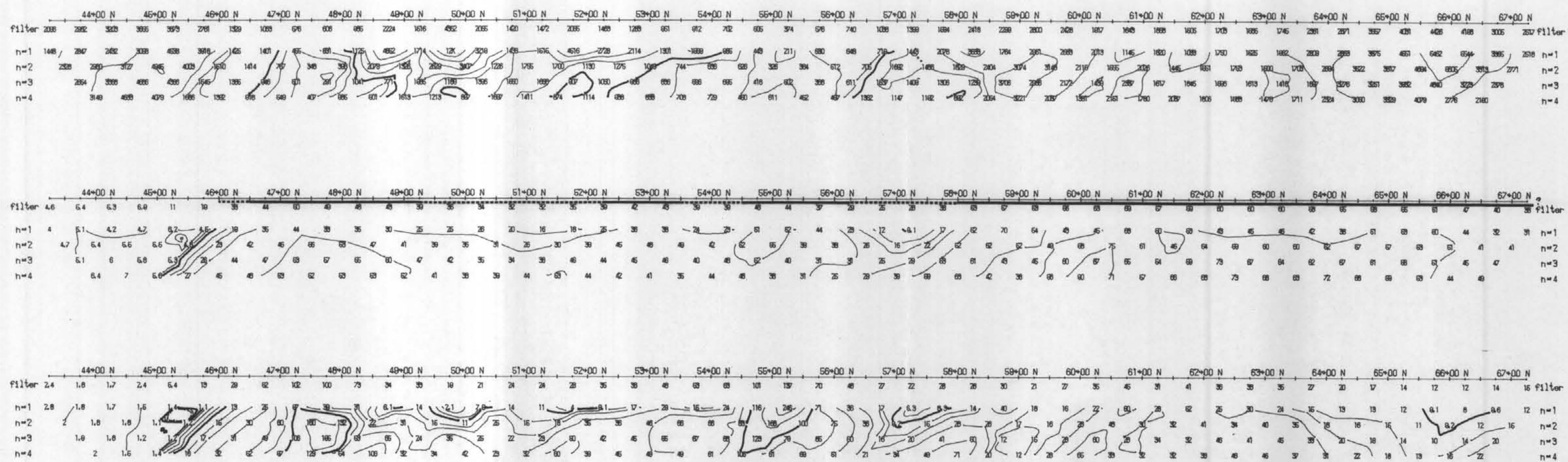
Pacific Geophysical

GEOPHYSICAL SOFTWARE FOR THE EARTH SCIENCES, TORONTO, CANADA

2083
 PACIFIC GEOPHYSICAL
 REPORT
 2083

22083

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**
22,083
Line 5500 E



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

Instrument: EDA IP-6
Frequency: 2e ON / 2e OFF
Operator: GOL/HFZ

INTERPRETATION

- Strong increase in polarization
- Moderate increase in polarization
- Weak increase in polarization

TECK EXPLORATION LTD.

**INDUCED POLARIZATION SURVEY
PORPHYRY CREEK PROJECT**
Porphyry Grid, Omineca M.D., B.C.

Date: July 1981
Interpretation by: PAC

NTS: 84C/5, 12
84D/8, 8
Scale 1:15000

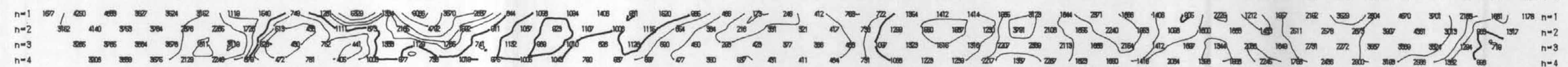
Pacific Geophysical

GEOPHYSICAL SOFTWARE FOR THE EARTH SCIENCES, TORONTO, CANADA

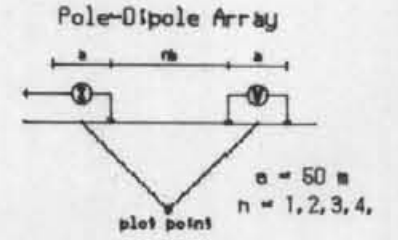
GEOLOGICAL BRANCH
ASSESSMENT REPORT

W.A. G.F.
22,083
Line 5400 E

44+00 N 45+00 N 46+00 N 47+00 N 48+00 N 49+00 N 50+00 N 51+00 N 52+00 N 53+00 N 54+00 N 55+00 N 56+00 N 57+00 N 58+00 N 59+00 N 60+00 N 61+00 N 62+00 N 63+00 N 64+00 N 65+00 N 66+00 N 67+00 N



RESISTIVITY
(ohm.m)



44+00 N 45+00 N 46+00 N 47+00 N 48+00 N 49+00 N 50+00 N 51+00 N 52+00 N 53+00 N 54+00 N 55+00 N 56+00 N 57+00 N 58+00 N 59+00 N 60+00 N 61+00 N 62+00 N 63+00 N 64+00 N 65+00 N 66+00 N 67+00 N



OBS. CHARGEABILITY
(msec)

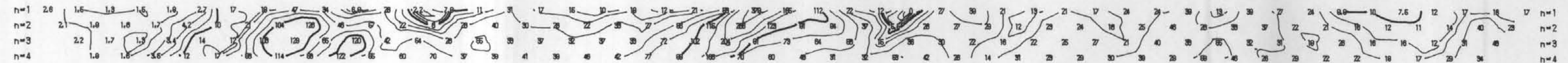
Logarithmic
Contours 1, 1.5, 2, 3, 5, 7.5, 10, ...

Instrument : EDA IP-6
Frequency : 2s ON / 2s OFF
Operators : GDL/HFZ

INTERPRETATION

- ▬ Strong increase in polarization
- ▬ Moderate increase in polarization
- ▬ Weak increase in polarization

44+00 N 45+00 N 46+00 N 47+00 N 48+00 N 49+00 N 50+00 N 51+00 N 52+00 N 53+00 N 54+00 N 55+00 N 56+00 N 57+00 N 58+00 N 59+00 N 60+00 N 61+00 N 62+00 N 63+00 N 64+00 N 65+00 N 66+00 N 67+00 N



METAL FACTOR
(ip/1000)

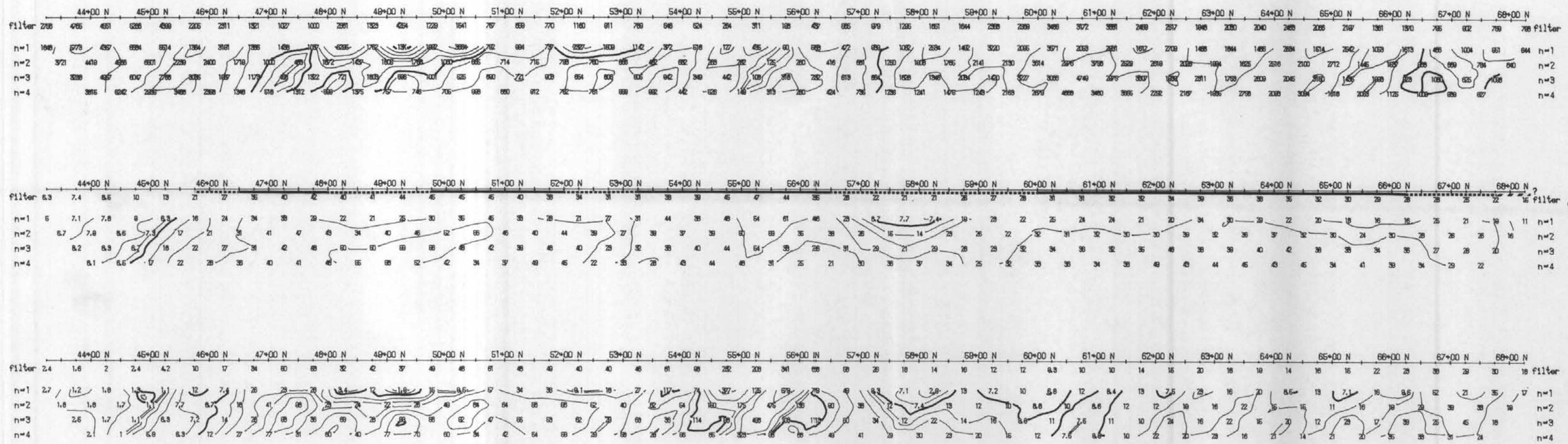
TECK EXPLORATION LTD.

INDUCED POLARIZATION SURVEY
PORPHYRY CREEK PROJECT
Porphyry Grid, Omineca M.D., B.C.

Date: July 1981 NTS: 84C/5, 12
Interpretation by: P.A.C. 84D/8, 8
Scale 1:15000

Pacific Geophysical

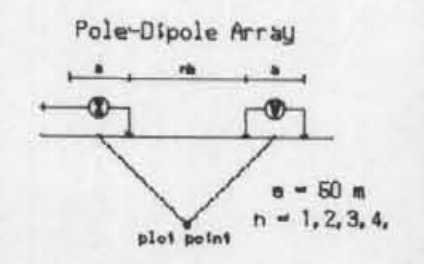
GEOSURF (TM) Software for the Earth Sciences, Toronto, Canada



RESISTIVITY
(ohm.m)

OBS. CHARGEABILITY
(%)

METAL FACTOR
(ip/res * 1000)



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

Instrument : EDA IP-6
Frequency : 2s ON / 2s OFF
Operators : GDL/HFZ

INTERPRETATION

- Strong increase in polarization
- Moderate increase in polarization
- Weak increase in polarization

TECK EXPLORATION LTD.

**INDUCED POLARIZATION SURVEY
PORPHYRY CREEK PROJECT
Porphyry Grid, Omineca M.D., B.C.**

Date: July 1991
Interpretation by: *PAC*

NTS: 84C/5, 12
84D/8, 9
Scale 1:5000

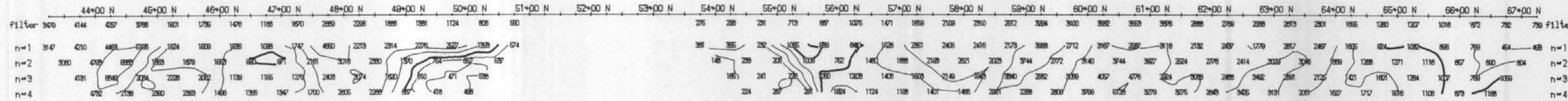
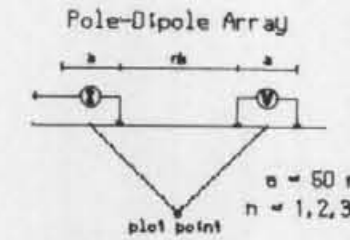
Pacific Geophysical

SEMAPT (TM) Software for the Earth Sciences, Toronto, Canada

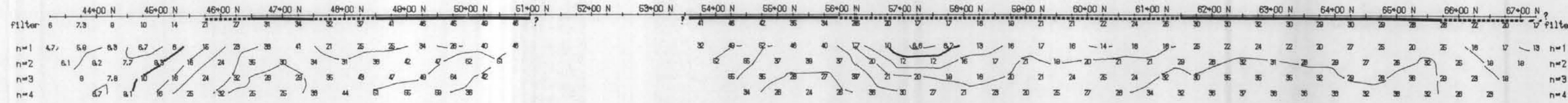
**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

22,083

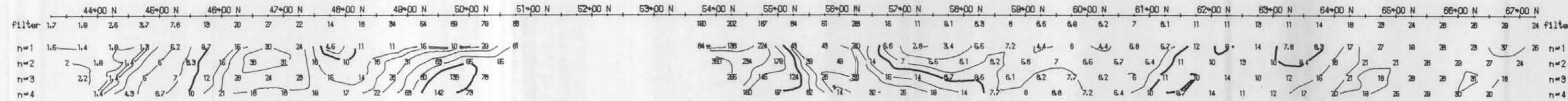
Line 5200 E



RESISTIVITY
(ohm-m)



OBS. CHARGEABILITY
(%)



METAL FACTOR
(ip/res = 1000)

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

Instrument | EDA IP-6
Frequency | 2s ON / 2s OFF
Operators | GOL/HFZ

INTERPRETATION

- ▬ Strong increase in polarization
- ▬ Moderate increase in polarization
- ▬ Weak increase in polarization

TECK EXPLORATION LTD.

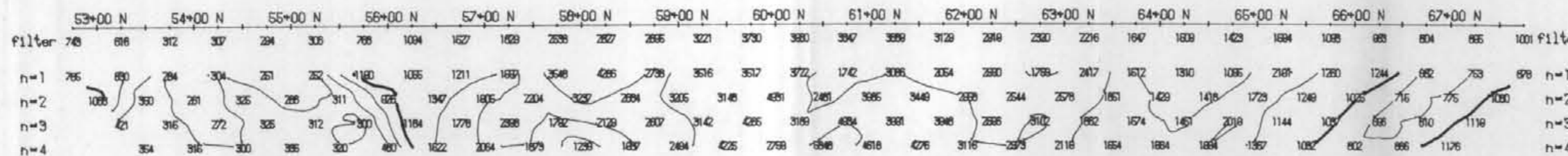
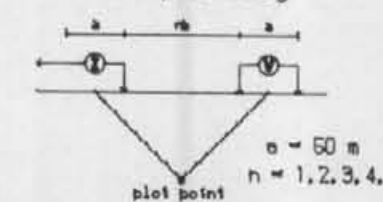
**INDUCED POLARIZATION SURVEY
PORPHYRY CREEK PROJECT
Porphyry Grid, Omineca M.D., B.C.**

Date: July 1991
Interpretation by: PAC
NTS: 940/5.12
940/8.9
Scale 1:15000

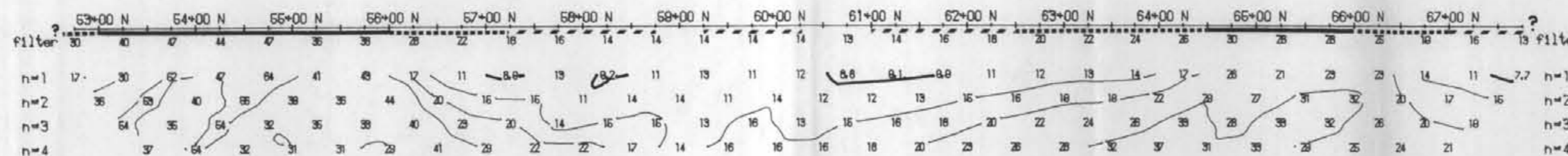
Pacific Geophysical

Line 5100 E

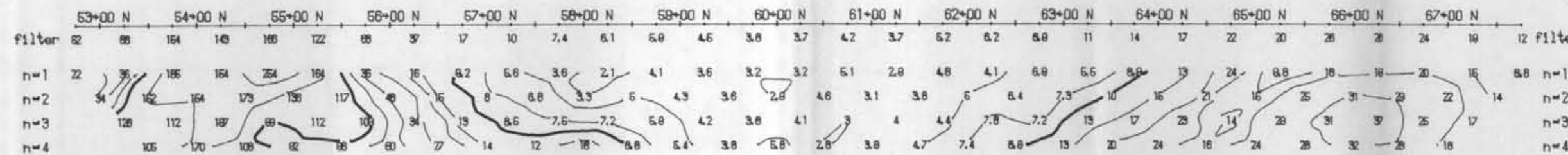
Pole-Dipole Array



RESISTIVITY
(ohm-m)



OBS. CHARGEABILITY
(msec)



METAL FACTOR
(ip/res * 1000)

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

Instrument : EDA IP-6
Frequency : 2e ON / 2e OFF
Operators : GDL/HFZ

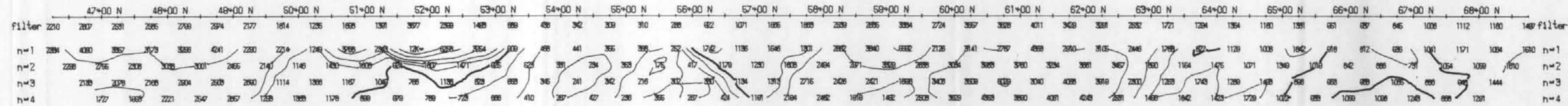
INTERPRETATION
 Strong increase in polarization
 Moderate increase in polarization
 Weak increase in polarization

TECK EXPLORATION LTD.
 INDUCED POLARIZATION SURVEY
 PORPHYRY CREEK PROJECT
 Porphyry Grid, Omineca M.D., B.C.

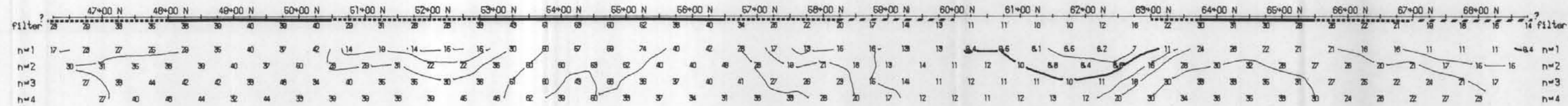
Date: July 1981 NTS: 94C/5.12
 Interpretation by: PAC 94D/8.9
 Scale 1:15000

Pacific Geophysical

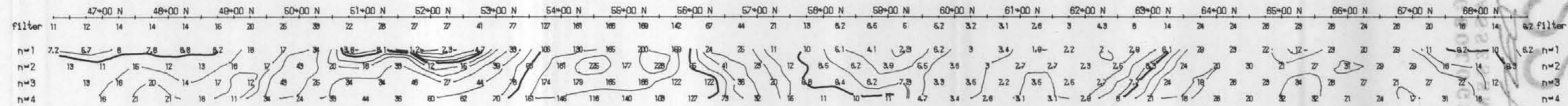
GEOLOGICAL BRANCH
 ASSESSMENT REPORT
 Part A 56
 22,083



RESISTIVITY
(ohm.m)

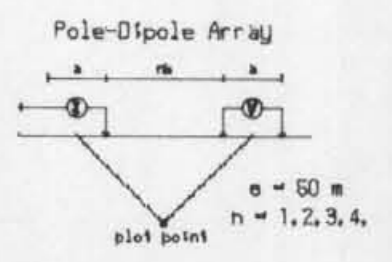


OBS. CHARGEABILITY
(msec)



METAL FACTOR
(ip/row * 1000)

Line 5000 E



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

Instrument : EDA IP-6
Frequency : 2s ON / 2s OFF
Operators : GDL/HFZ

INTERPRETATION

- ▬ Strong increase in polarization
- ▬ Moderate increase in polarization
- ▬ Weak increase in polarization

TECK EXPLORATION LTD.

INDUCED POLARIZATION SURVEY
PORPHYRY CREEK PROJECT
Porphyry Grid, Omineca N.D., B.C.

Date: July 1981
Interpretation by: FAc
NTS: 94C/5, 12
84D/8, 9
Scale 1:15000

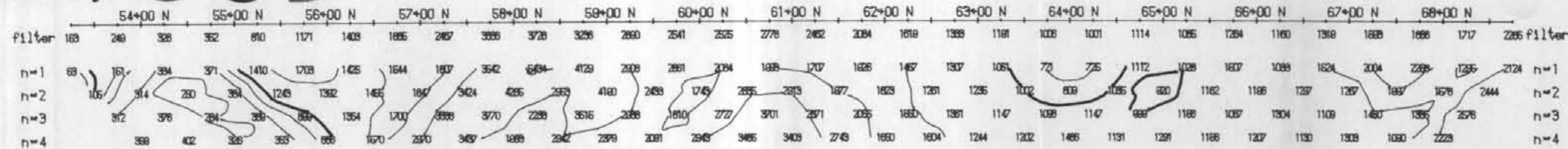
Pacific Geophysical

ORIGINAL REPORT
 GEOPHYSICAL BRANCH

22083

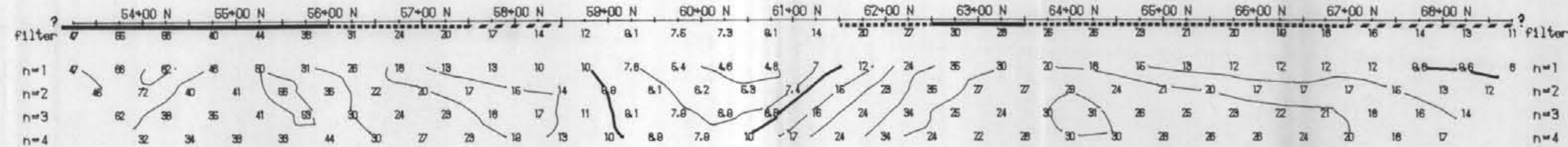
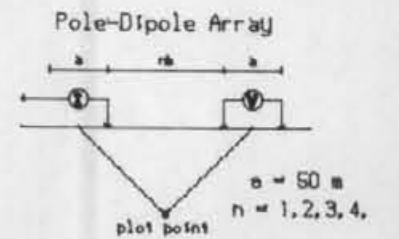
GEOLOGICAL BRANCH
ASSESSMENT REPORT

Part A 9/8
22,083



RESISTIVITY
(ohm-m)

Line 4900 E



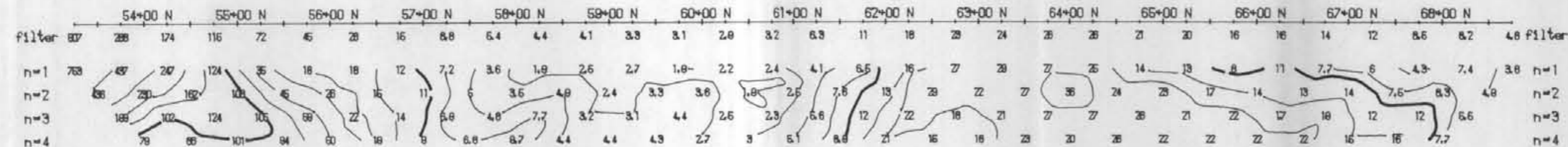
OBS. CHARGEABILITY
(msec)

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

Instrument : EDA IP-6
Frequency : 2s ON / 2s OFF
Operators : GDL/HFZ

INTERPRETATION

- ▬ Strong increase in polarization
- ▬ Moderate increase in polarization
- ▬ Weak increase in polarization



METAL FACTOR
(ip/res * 1000)

TECK EXPLORATION LTD.

INDUCED POLARIZATION SURVEY
PORPHYRY CREEK PROJECT
Porphyry Grid, Omineca M.D., B.C.

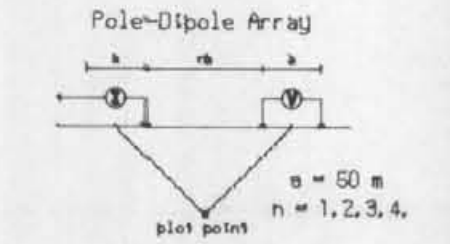
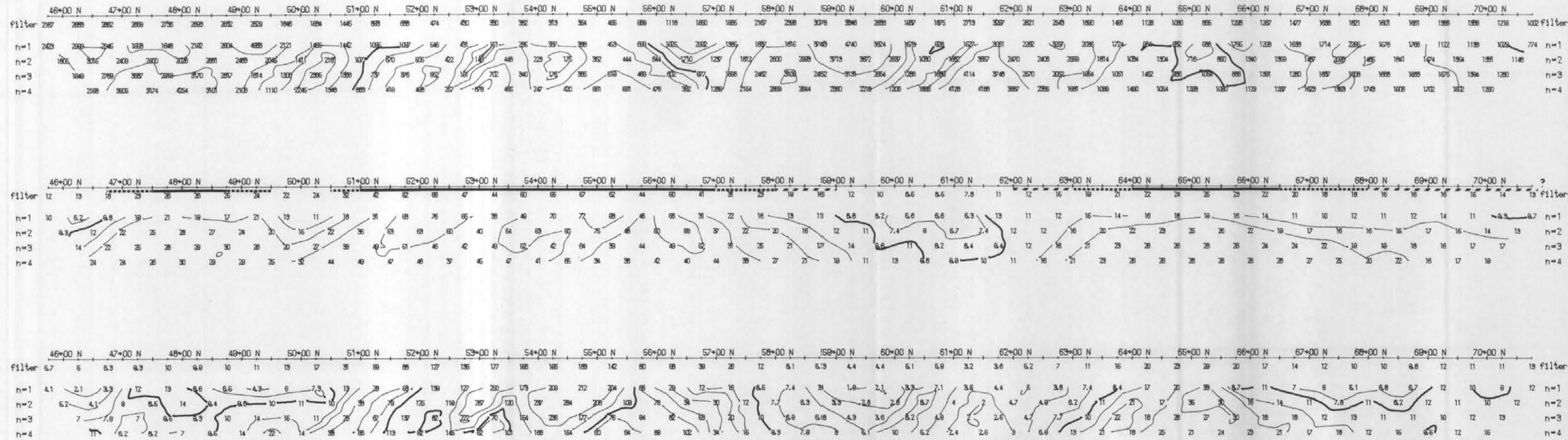
Date: July 1981
Interpretation by: PAC

NTS: 94C/5, 12
94D/8, 9
Scale 1:15000

Pacific Geophysical

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

22,083
Line 4800 E



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

Instrument : EDA IP-6
Frequency : 2e ON / 2e OFF
Operators : JDL/HFZ

INTERPRETATION

- Strong increase in polarization
- Moderate increase in polarization
- Weak increase in polarization

TECK EXPLORATION LTD.

**INDUCED POLARIZATION SURVEY
PORPHYRY CREEK PROJECT
Porphyry Grid, Omineca M.D., B.C.**

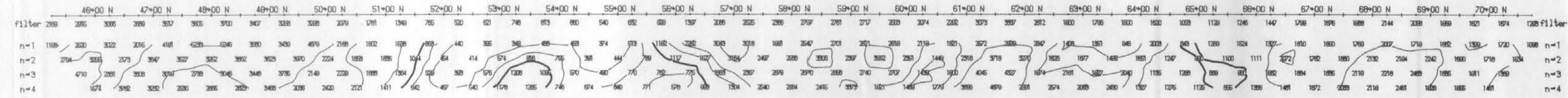
Date: July 1981 NTS: 84C/5, 12
Interpretation by: PAC 84D/8, 8
Scale 1:5000

Pacific Geophysical

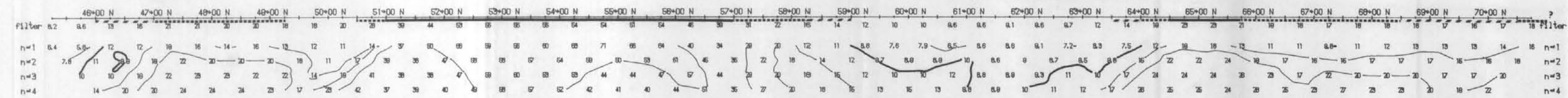
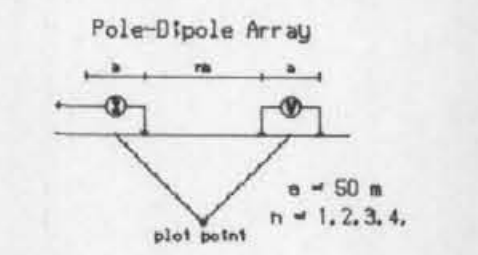
GEOPLOT (V6) Software for the Earth Sciences, Toronto, Canada

GEOLOGICAL BRANCH
ASSESSMENT REPORT

22.083
LINE 4700 E



RESISTIVITY
(ohm.m)



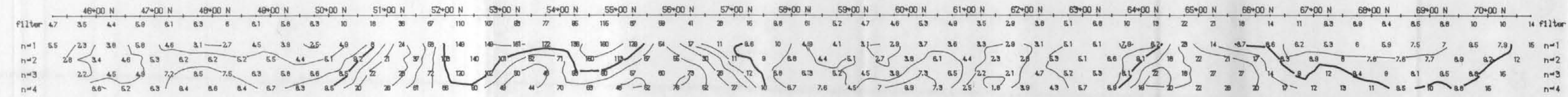
OBS. CHARGEABILITY
(msec)

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

Instrument : EDA IP-6
Frequency : 2e ON / 2e OFF
Operators : GDL/HFZ

INTERPRETATION

- ▬ Strong increase in polarization
- ▬ Moderate increase in polarization
- ▬ Weak increase in polarization



METAL FACTOR
(ip/res * 1000)

TECK EXPLORATION LTD.

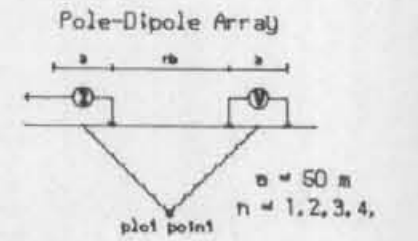
INDUCED POLARIZATION SURVEY
PORPHYRY CREEK PROJECT
Porphyry Grid, Omineca M.D., B.C.

Date: July 1991 NTS: 94C/5, 12
Interpretation by: PAC 94D/8, 9
Scale 1:5000

Pacific Geophysical

DECONPT (tm) Software for the Earth Sciences, Toronto, Canada

Line 4600 E



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

Instrument : EDA IP-6
Frequency : 2e ON / 2e OFF
Operators : GDL/HFZ

INTERPRETATION

- Strong increase in polarization
- ~~~~~ Moderate increase in polarization
- //// Weak increase in polarization

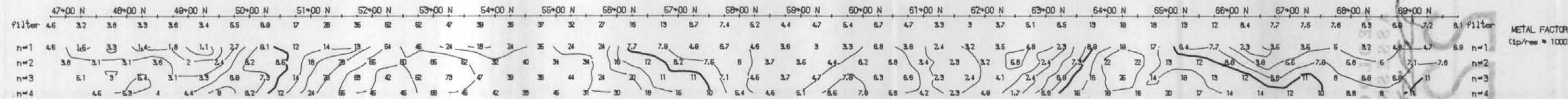
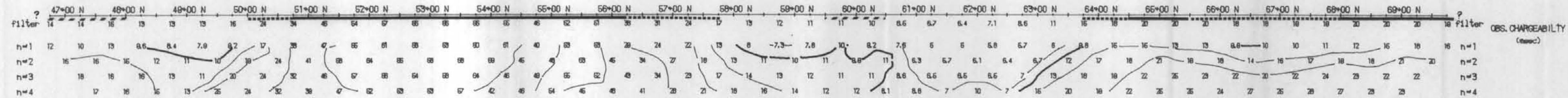
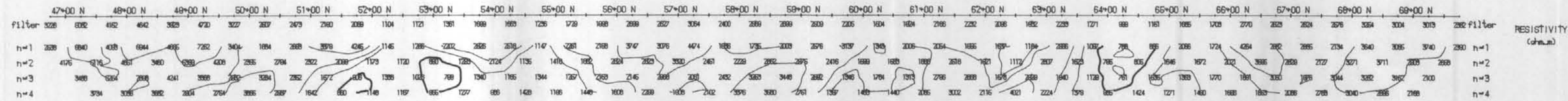
TECK EXPLORATION LTD.

INDUCED POLARIZATION SURVEY
PORPHYRY CREEK PROJECT
Porphyry Grid, Omineca M.D., S.C.

Date: July 1991 NTS: 84C/5, 12
Interpretation by: Pac 84D/8, 9
Scale 1:5000

Pacific Geophysical

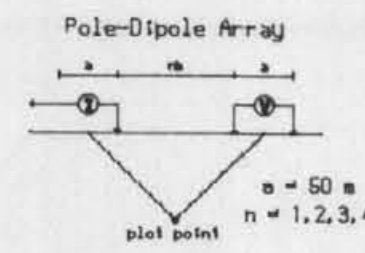
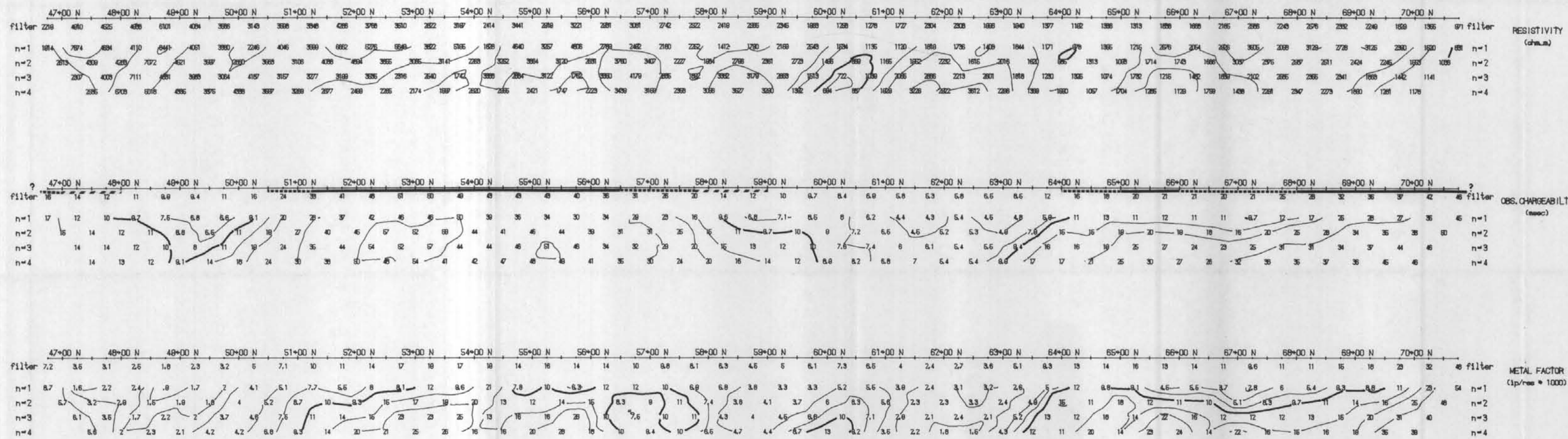
22083



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 INSTRUMENT REPORT
 PACIFIC GEOPHYSICAL BRANCH

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ASSESSMENT REPORT

DATA SHEET
22,083
Line 500 F



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

Instrument : EDA IP-6
Frequency : 2s ON / 2s OFF
Operators : GDL/HZF

INTERPRETATION

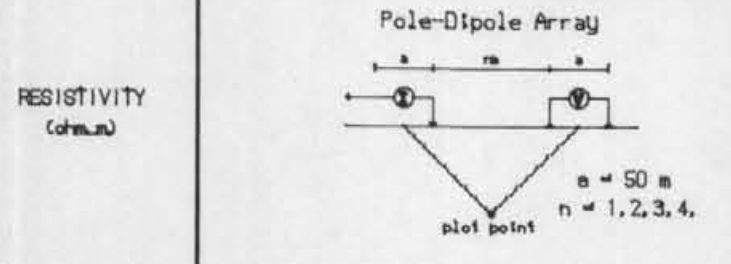
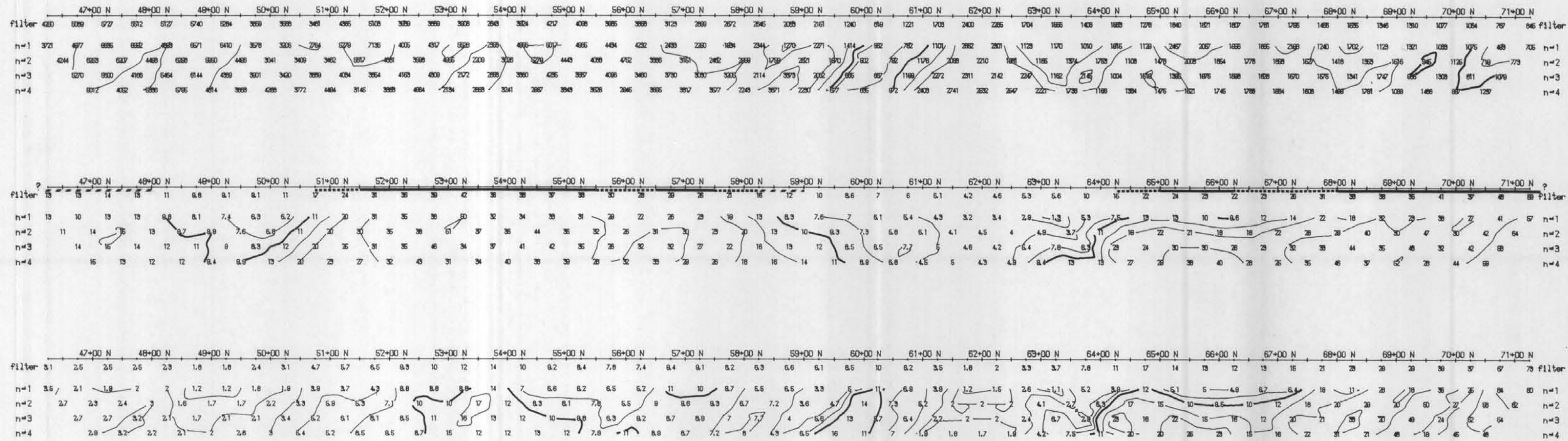
- Strong increase in polarization
- Moderate increase in polarization
- Weak increase in polarization

TECK EXPLORATION LTD.
INDUCED POLARIZATION SURVEY
PORPHYRY CREEK PROJECT
Porphyry Grid, Osineca M.D., B.C.
Date: July 1991 NTS: 94C/5, 12
Interpretation by: *PAK* 94D/8, 9
Scale 1:5000
Pacific Geophysical

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GEOLOGICAL BRANCH
ASSESSMENT REPORT

PAK
22.083
Zina 4400 E



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

Instrument : EDA IP-6
Frequency : 2a ON / 2a OFF
Operators : GDL/HFZ

INTERPRETATION

- ▬ Strong increase in polarization
- ▬ Moderate increase in polarization
- ▬ Weak increase in polarization

METAL FACTOR (1p/res * 1000)

TECK EXPLORATION LTD.

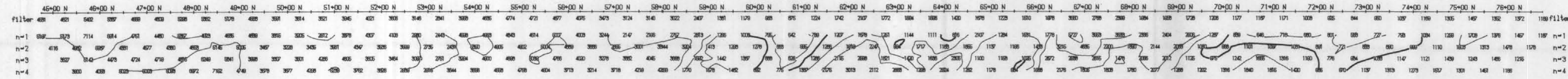
INDUCED POLARIZATION SURVEY
PORPHYRY CREEK PROJECT
Porphyry Grid, Quesnes M.D., B.C.

Date: July 1981
Interpretation by: *PAK*

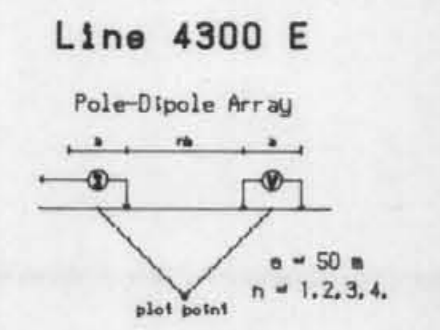
NTS: 94C/5, 12
94D/8, 9
Scale 1:5000

Pacific Geophysical

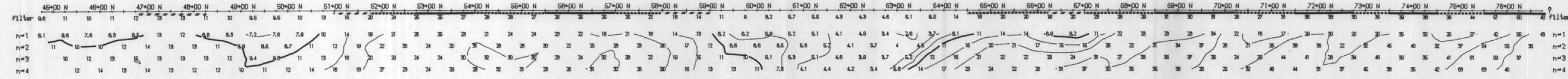
GEOPLOT (TM) Software for the Earth Sciences, Toronto, Canada



RESISTIVITY
(Ohm.m)



Line 4300 E
Pole-Dipole Array

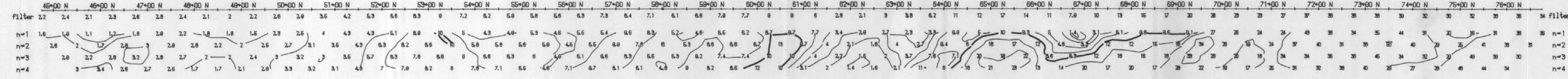


OBS. CHARGEABILITY
(%)

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

Instrument : EDA IP-6
Frequency : 2s ON / 2s OFF
Operators : GDL/HFZ

INTERPRETATION
 ■■■■■ Strong increase in polarization
 ■■■■■ Moderate increase in polarization
 ■■■■■ Weak increase in polarization



METAL FACTOR
(ip/mv * 1000)

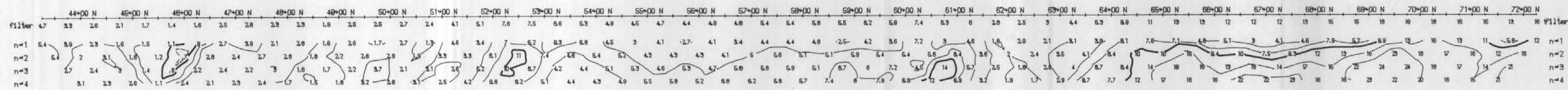
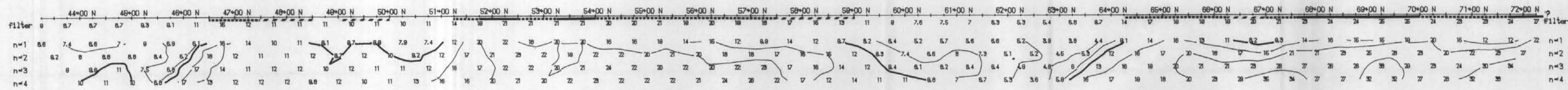
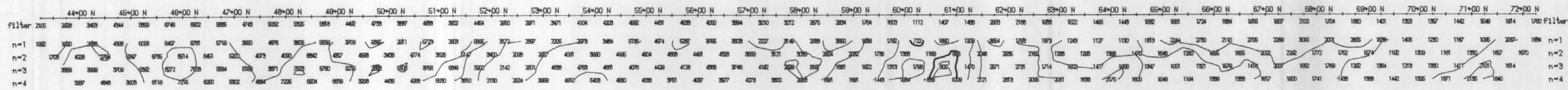
TECK EXPLORATION LTD.
 INDUCED POLARIZATION SURVEY
 PORPHYRY CREEK PROJECT
 Porphyry Grid, Omineca M.D., B.C.

Date: July 1991 NTS: 94C/5, 12
 Interpretation by: PAC 94D/B, 9
 Scale 1:5000

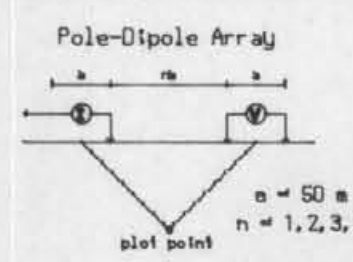
Pacific Geophysical
 GEOLOGICAL BRANCH
 ASSESSMENT REPORT

22,083

SECOPT (16) Software for the Earth Station, Toronto, Canada



Line 4200 E



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

Instrument : EDA IP-6
 Frequency : 2s ON / 2s OFF
 Operators : GDL/HFZ

INTERPRETATION

- Strong increase in polarization
- Moderate increase in polarization
- Weak increase in polarization

TECK EXPLORATION LTD.

INDUCED POLARIZATION SURVEY
 PORPHYRY CREEK PROJECT
 Porphyry Grid, Omineca M.D., B.C.

Date: July 1991 NTS: 94C/5, 12
 Interpretation by: ppc 94D/8, 9
 Scale 1:5000

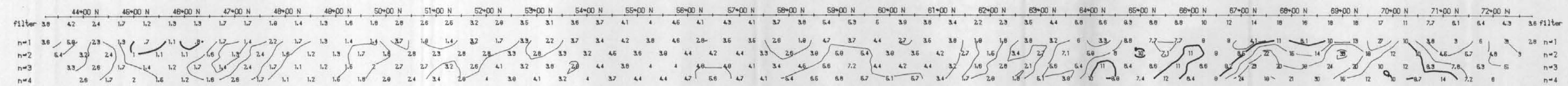
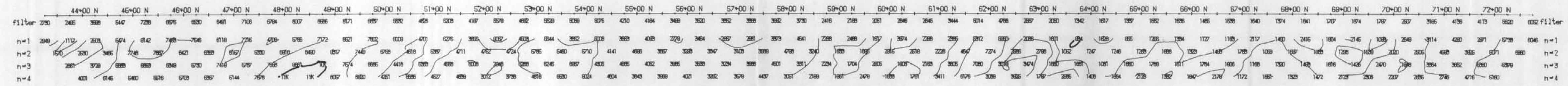
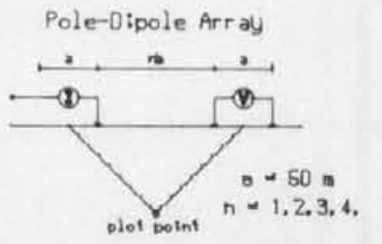
Pacific Geophysical

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 ASSESSMENT REPORT
 22,083

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GEOLOGICAL BRANCH
 ASSESSMENT REPORT
DATA
22,083

Line 4100 E

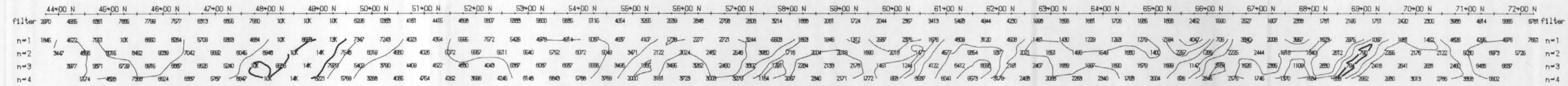


Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10, ...

Instrument : EDA IP-6
 Frequency : 2e ON / 2e OFF
 Operator : GDL/HFZ

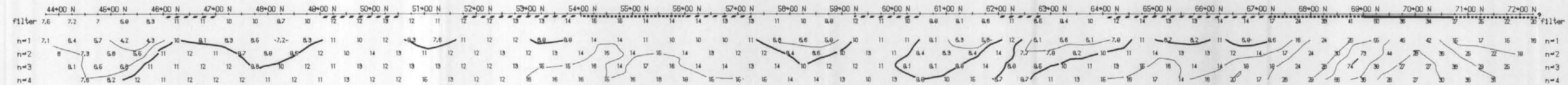
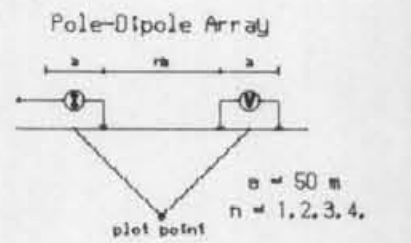
INTERPRETATION
 ——— Strong increase in polarization
 - - - - - Moderate increase in polarization
 / / / / / Weak increase in polarization

TECK EXPLORATION LTD.
INDUCED POLARIZATION SURVEY
PORPHYRY CREEK PROJECT
Porphyry Grid, Omineca M.D., B.C.
 Date: July 1991 NTS: 94C/5.12
 Interpretation by: JAC 94D/8.9
 Scale 1:5000
Pacific Geophysical



RESISTIVITY
(ohm.m)

Line 4000 E



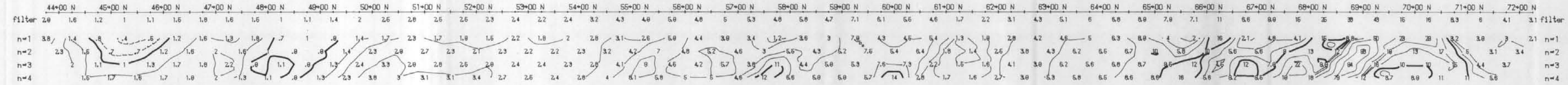
OBS. CHARGEABILITY
(microsec)

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

Instrument: EDA IP-6
Frequency: 1.2e ON / 2e OFF
Operators: GDL/HFZ

INTERPRETATION

- Strong increase in polarization
- Moderate increase in polarization
- Weak increase in polarization



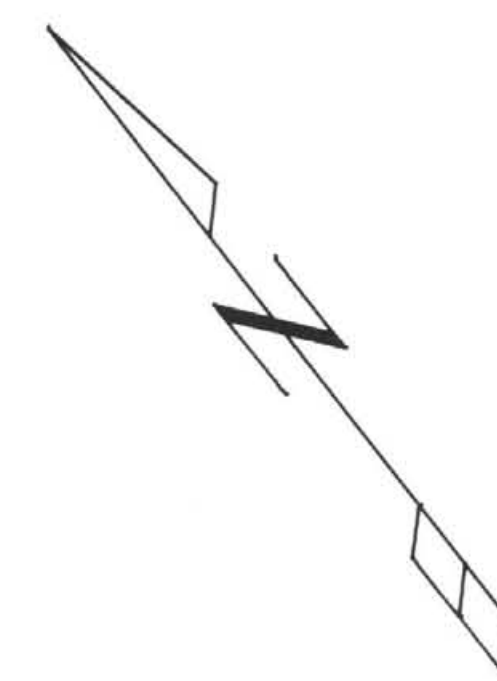
METAL FACTOR
(sp/ree * 1000)

TECK EXPLORATION LTD.
INDUCED POLARIZATION SURVEY
PORPHYRY CREEK PROJECT
Porphyry Grid, Omineca M.D., B.C.

Date: July 1991 NTS: 94C/5, 12
Interpretation by: PAC 94D/8, 9
Scale: 1:5000

GEOLOGICAL ASSOCIATION OF CANADA
ASSESSMENT REPORT
PORT A OF B
22,083

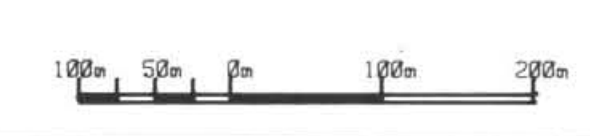
RESIST (TM) Software for the Earth Sciences, Toronto, Canada



5000N BASELINE

GEOLOGICAL BRANCH
ASSESSMENT REPORT
22,083

To accompany report by P. Cartwright
and R. Carter dated: *Jan 24/92*
Instrument: GSM-19 & PPM 375 B. S.
Field : TOTAL
Datum : 0.0 nT
Contour Interval : 1000 nT



TECK EXPLORATION LTD.	
MAGNETOMETER SURVEY	
PORPHYRY CREEK PROJECT Porphyry Grid, Ontario M.D., B.C.	
SCALE = 1 : 5000	DATE : Jul/Aug. 91
SURVEY BY : GDL/HFZ	NTS : 94C/5. 12
PLAN : PORMAG	: 94D/8. 9
Pacific Geophysical Ltd.	