

PACIFIC GEOPHYSICAL LTD.

REPORT ON THE

INDUCED POLARIZATION AND RESISTIVITY SURVEY

AND THE

MAGNETIC SURVEY

ON THE

SNOWATER PROJECT

NELSON MINING DIVISION, BRITISH COLUMBIA

FOR

TECK EXPLORATIONS LTD.

NTS: 82F/6W

LATITUDE : 49°23'      LONGITUDE : 117°25'

OWNER: SNOW-WATER RESOURCES LTD.

OPERATOR: TECK EXPLORATIONS LTD.

BY

PAUL A. CARTWRIGHT, P.GEOPH.  
GEOPHYSICIST

AND

MICHAEL J. CORMIER, B.Sc.  
GEOPHYSICIST

DATED: DECEMBER 5, 1989

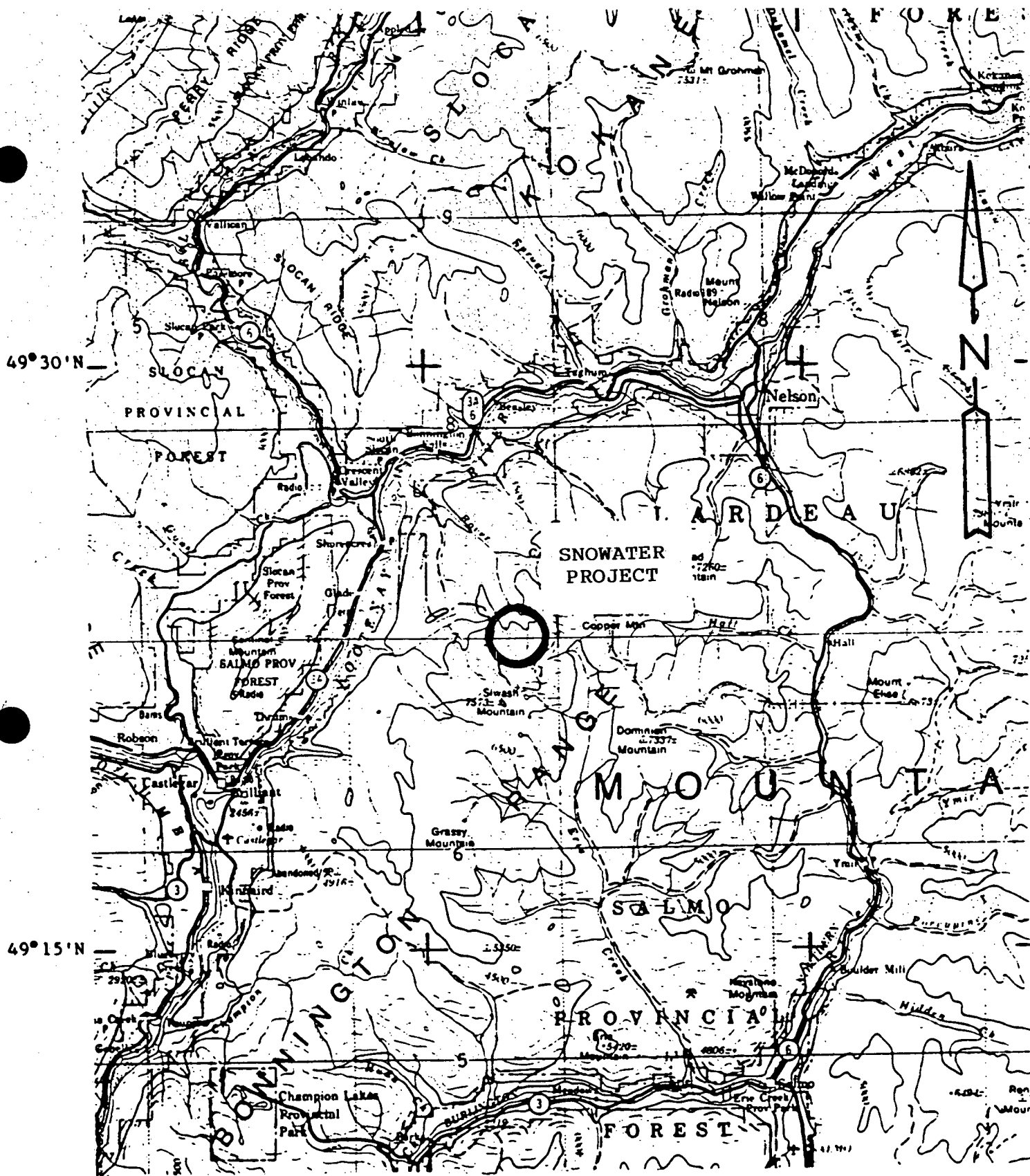
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GEOLOGICAL BRANCH  
ASSESSMENT REPORT

part 2  
of 2  
19,900

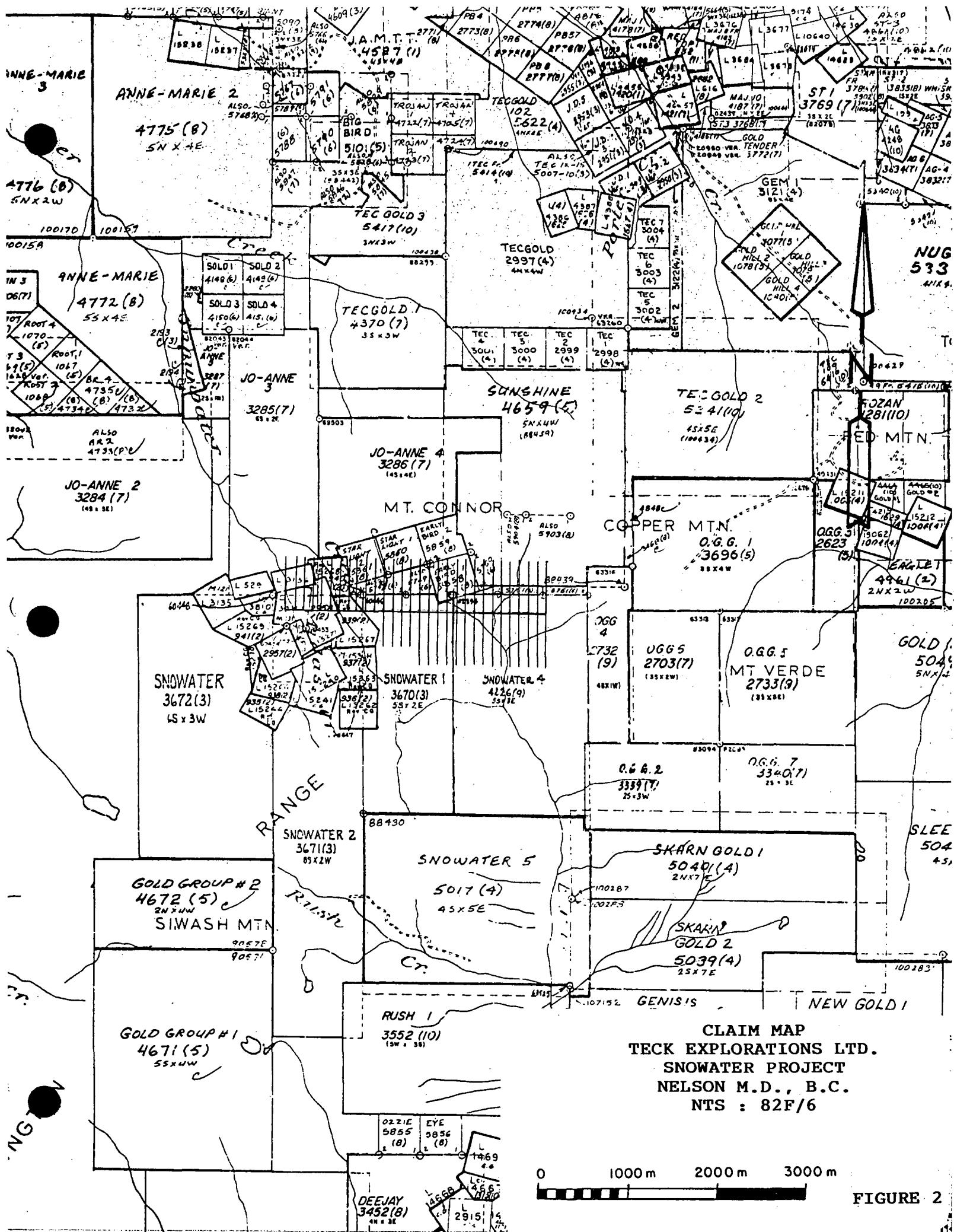
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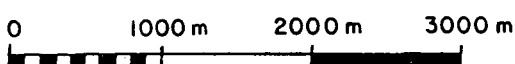


LOCATION MAP  
 TECK EXPLORATIONS LTD.  
 SNOWATER PROJECT  
 NELSON M.D., B.C.  
 NTS : 82F/6

FIGURE 1



**CLAIM MAP**  
**TECK EXPLORATIONS LTD.**  
**SNOWATER PROJECT**  
**NELSON M.D., B.C.**  
**NTS : 82F/6**



**FIGURE 2**

**ANNE-MARIE 2**  
 4775 (8)  
 5N X 4E

**ANNE-MARIE**  
 4772 (8)  
 5S X 4E

**JO-ANNE 2**  
 3284 (7)  
 (48 X 3E)

**JO-ANNE 3**  
 3285 (7)  
 6S X 2E

**JO-ANNE 4**  
 3286 (7)  
 (45 X 4E)

**SNOWATER**  
 3672 (3)  
 4S X 3W

**SNOWATER 1**  
 3670 (3)  
 5S X 2E

**SNOWATER 4**  
 4226 (9)  
 5S X 1E

**SNOWATER 2**  
 3671 (3)  
 8S X 2W

**SNOWATER 5**  
 5017 (4)  
 4S X 5E

**GOLD GROUP #2**  
 4672 (5)  
 2N X 4W  
 SIWASH MTN

**GOLD GROUP #1**  
 4671 (5)  
 5S X 4W

**RUSH 1**  
 3552 (10)  
 (3W X 3S)

**TECGOLD 2997 (4)**  
 4N X 4W

**TECGOLD 3**  
 5417 (10)  
 3N X 3W

**TECGOLD 1**  
 4370 (7)  
 3S X 3W

**SUNSHINE**  
 4659 (5)  
 5N X 4W  
 (184 X 39)

**TECGOLD 2**  
 5241 (10)  
 4S X 5E  
 (100 X 30)

**COOPER MTN.**  
 O.G.G. 1  
 3696 (5)  
 8S X 4W

**UGG 5**  
 2703 (7)  
 (33 X 4W)

**O.G.G. 5**  
 MT VERDE  
 2733 (9)  
 (31 X 40)

**O.G.G. 2**  
 3359 (7)  
 2S X 3W

**O.G.G. 7**  
 3340 (7)  
 2S X 3E

**SKARN GOLD 1**  
 5040 (4)  
 2N X 7E

**SKARN GOLD 2**  
 5039 (4)  
 2S X 7E

**NUG 533**  
 NIK

**FOZAN**  
 2811 (10)  
 FED MTN.

**UGG 5**  
 2623  
 1004 (4)

**GOLD 1**  
 5045  
 5N X 4E

**SLEE 504**  
 4S

GENIS 15

NEW GOLD 1

**DEEJAY**  
 3452 (8)  
 1N X 1E

## 1. INTRODUCTION

An Induced Polarization (IP) and resistivity survey, as well as a total field magnetic survey, have been completed on the Snowater project, Nelson M.D., B.C. on behalf of Teck Explorations Ltd., who have optioned the property from Snow-Water Resources Ltd.

The property is located approximately 16 kilometers southwest of Nelson, British Columbia. Access to the property is by truck, via both paved and unpaved roads.

The following geological description of the area has been supplied by Teck Exporation Ltd.:

"The property is situated in the region between Nelson and Castlegar which is underlain by Early to Middle Mesozoic sedimentary and volcanic rocks which have been intruded by Lower Cretaceous (?) plutonic rocks. In a general sense, these volcanics are in the southern part of the eugeosynclinal Omineca Belt tectonic regime (G S C Map 1505 A).

Regional mapping by H.W. Little (G S C Mem. 308, Map 1090A) shows the area is underlain by metasediments (argillite, argillaceous quartzite, conglomerate and minor pyroclastics) of possible Jurassic age (unit B) which may correspond in part to the Upper Jurassic Hall Formation. These rocks are in contact

with (overlie ?) volcanics and metavolcanics of the Lower Jurassic Rosslund Formation. Granite, granodiorite and diorite of the Lower Cretaceous Nelson Batholith have intruded both of the above formations. In the vicinity of the property the intrusive is typically a medium-grained, equigranular granite with a well developed coarse foliation. Alteration along the contacts has resulted in the formation of schistose metavolcanics and metasediments, locally containing abundant chlorite, epidote and calcite. The chill margins of the granite, where noted, are narrow. Younger pegmatite lenses, aplite, rhyolite porphyry, and lamprophyre dykes introduce the granitic rocks; only the basic dykes have been observed intruding the older formations.

Two sets of faulting and fracturing were observed on the property. A predominant set which trends between 030° and 040° and appears to cross all major units and is also subparallel to some of the mineralized vein segments. The second major set trends between 150° and 180° and appears to be parallel to many of the lamprophyre dykes which intrude the granitic rocks.

Mineralized quartz veins occur mostly within the granite and some are reported to be partly within chloritic schists, argillite and "greenstone" of the Rosslund Formation. These are described as fissure-filled quartz veins which occasionally

carry fragments of crushed country rock.

Pyrite is the predominant metallic mineral present in the quartz veins. It occurs as clusters in pockets and partial vug fillings of euhedral to subhedral crystals. Minor galena and sphalerite occur at irregular intervals with the pyrite. Molybdenite is present alongside some of the veins and may be associated with both pegmatites and with lamprophyre dykes. Gold is the principal economic commodity and this occurs with the pyrite."

Previous work on the property has included numerous diamond drill holes as well as several exploration adits.

The objective of the present IP and resistivity survey was to detect the possible extension of interesting mineralization discovered in a diamond drill hole drilled to the northeast from Station 0 on Line 500E.

The total field magnetic survey was carried out with the goal of better defining the contact between the intrusive and volcanic units in the area, where it was felt that the deposits of interest were to be found.

For the IP and resistivity surveys an EDA Model IP-6 induced polarization and resistivity receiver unit was used set

to "Mode 3", a software selectable sampling interval comprised of 10 logarithmically spaced windows following a delay time of 80 msec. The plotted IP effect is the cumulative average of the areas encompassed by each of the 10 windows. These are recorded as chargeabilities in the time domain. The receiver was used in conjunction with a Phoenix Model IPT-1 induced polarization and resistivity transmitter producing a square wave using a 2 second on - 2 second off cycle of alternating polarity. Dipole-dipole array was utilized to make all of the measurements, using interelectrode distances of 25 meters over the entire geophysical grid, while 12.5 meter dipole lengths were used to provide detailed coverage over two lines. Five separations were recorded in every case.

The total field magnetic data was collected using an EDA Model OMNI-4 proton precession magnetometer at 12.5 meter station intervals. The diurnal variation of the earth's magnetic field was monitored by a second EDA magnetometer set up as a base station. The readings recorded by both units were merged at the end of each day to produce total field magnetic data corrected for diurnal variation.

The IP and resistivity field work took place during the period October 13, 1989 to October 25, 1989 under the direction of Paul A. Cartwright, P.Geoph. The magnetometer survey took



place between October 24, 1989 and October 31, 1989 and was carried out by Michael J. Cormier, B.Sc. Certificates of qualification are included with this report.

## 2. DESCRIPTION OF CLAIMS

The owner of the Snowater property is Snow-Water Resources Ltd., who have optioned the property to Teck Explorations Ltd. The property is comprised of the following claims and fractions:

<u>Claim Name</u>	<u>Record No.</u>	<u>Expiry Date</u>
Whitewater, Midas Columbia	M.L. 121	July 25, 1990
Snowater	M.L. 122	July 25, 1990
Stillwater	M.L. 131	December 5, 1990
Peter Fraction	M.L. 153	July 16, 1990
Siwash	935	February 8, 1994
Roosevelt Fraction	936	February 8, 1994
Victory Fraction	937	February 8, 1994
Virginia Fraction	938	February 8, 1994
Churchill Fraction	939	February 8, 1994
Ambassador	940	February 8, 1994
Veronica Fraction, Hyland Fraction	941	February 8, 1994
Silver #1 Fraction	2957	February 6, 1994
Silver #2 Fraction	2958	February 6, 1994
Snowater #1	3670	March 21, 1990
Snowater #2	3671	March 21, 1990
Snowater #3	3672	March 21, 1990
Snowater #4	4226	September 23, 1990
Snowater #5	5017	April 8, 1990
Snowater #6	5748	June 5, 1990
Snowater #7	5749	June 5, 1990
Snowater #8	5750	June 5, 1990
Snowater #9	5751	June 5, 1990
Snowater #10	5752	June 16, 1990
Snowater #11	5903	August 28, 1990
Snowater #12	5904	August 28, 1990

### 3. PRESENTATION OF DATA

The IP and resistivity results are displayed in pseudosection format in the following order:

<u>Line</u>	<u>Electrode Interval</u>	<u>Survey Interval</u>
100E	25 meters	600N - 25S (625 m)
200E	25 meters	600N - 25S (625 m)
300E	25 meters	600N - 50S (650 m)
350E	25 meters	400N - 0 (400 m)
400E	25 meters	575N - 400S (975 m)
450E	25 meters	400N - 400S (800 m)
500E	25 meters	600N - 400S (1000 m)
550E	25 meters	400N - 400S (800 m)
600E	25 meters	600N - 400S (1000 m)
650E	25 meters	400N - 400S (800 m)
650E	12.5 meters	200N - 87.5S (287.5 m)
700E	25 meters	575N - 400S (975 m)
700E	12.5 meters	150N - 100S (250 m)
750E	25 meters	400N - 400S (800 m)
800E	25 meters	600N - 400S (1000 m)
850E	25 meters	400N - 400S (800 m)
900E	25 meters	600N - 400S (1000 m)

Also enclosed with this report are two 1:2500 scale maps, labelled MTEC and MTEC-MAG. MTEC-MAG is a plan map presentation of the contoured total field magnetic data. The plan map labelled MTEC includes line profiles of the magnetic data as well as the interpretation of the IP and resistivity survey results. Individual anomalies are indicated by bars, in the manner shown on the legend, on this plan map, as well as on the IP pseudosections. These bars represent the surface projection of the anomalous zones as interpreted from the location of the transmitter and receiver electrodes when the anomalous values were measured. The outlines of anomalous zones indicated on the

two plan maps result from the line-to-line correlation of individual anomalies.

As well, one other 1:2500 scale plan map of the resistivity grid is also included. It is labelled SNOW-RES, and illustrates the  $n=1$  contoured apparent resistivity values.

Since the induced polarization measurement is essentially an averaging process, as are all the potential methods, it is frequently difficult to exactly pinpoint the source of an anomaly. Certainly, no anomaly can be located with more accuracy than the electrode interval length; i.e. when using a 25 meter electrode interval, the position of a narrow sulphide zone can only be determined to lie between two stations 25 meters apart. In order to definitely locate, and fully evaluate a narrow, shallow source, it is necessary to use shorter electrode intervals. In order to locate sources at some depth, larger electrode intervals must be used, with a corresponding increase in the uncertainties of location. Therefore, while the center of the indicated anomaly corresponds fairly well with the source, the length of the indicated anomaly along the line should not be taken to represent the exact edges of the anomalous materials.

#### 4. DISCUSSION OF RESULTS

For the following discussion of results, the reader is referred to the 1:2500 scale plan map File No. "MTEC". On this map, the interpretation of the IP data is illustrated and accompanied by line profiles of the total field magnetic data. The anomalous zones presented on the map are discussed below on a zone-by-zone basis. Where helpful, reference is made to the accompanying magnetic measurements. In general, however, the magnetic data appears to be of limited value in fulfilling the stated objective of delineating the contact between the volcanics and the intrusive.

##### Zone A

Zone A is felt to be one of the more important features detected by the IP and resistivity survey. In this instance, the causative source of the zone is thought to be a relatively narrow tabular body of polarizable material, the depth to the top of which is no more than 25 meters. Somewhat lower than background apparent resistivity values are correlated with the position of the anomalous IP results. On Lines 650E and 700E, results gathered using 12.5 meter dipoles indicate that the depth of burial is within 12.5 meters of surface. From a

magnetic point of view, the north end of Zone A appears to coincide reasonably well with a narrow band of increased magnetic field values. The border of the zone presently remains undefined east of Line 900E.

#### Zone B

Zone B is the longest of the anomalous zones illustrated on the MTEC plan map. It is interpreted to traverse the entire survey grid and remains open to the west of Line 100E as well as to the east of Line 900E. The anomalies which make up the zone, however, are quite weak to the west of Line 550E. To the east of Line 550E, the anomalies become quite strong and are similar in character to those constituting Zone A. These anomalies also appear to coincide with the location of a relatively high magnitude magnetic anomaly. Again, the depth to the top of the polarizable material appears to be within 25 meters of surface and within 12.5 meters on lines where 12.5 meter dipoles were employed (Line 650E, Line 700E).

#### Zone C

Zone C exhibits moderate to strongly anomalous IP effects, the source of which is felt to be within 25 meters

of surface. The maximum chargeabilities associated with the zone were recorded in the vicinity of Station 100N on Line 200E, although no strong magnetic correlation can be seen on any of the three surveyed lines which cross the zone. The borders of the zone remain undefined to the west of Line 100E and to the south of Line 300E.

Zones D, E, F, G, H, I, J, K

These zones all exhibit similar characteristics. Typically, they are caused by weak to moderately polarizable material which comes to within one dipole length (25 meters) of surface. Generally, no definitive correlation with the magnetic data has been noted.

In addition, a 1:2500 scale contoured plan map labelled SNOW-RES which illustrates the  $n=1$  apparent resistivities is also enclosed with this report. This data, along with its interpretation, is included in an attempt to more fully determine the positioning of possible fault and breccia zones which are thought to be related to the location of the mineralization of interest. The trend of these possible fault planes is marked on this map in the manner indicated in the legend. This interpretation should be reviewed in conjunction with any other known geologic and structural information which may exist.

## 5. SUMMARY AND RECOMMENDATIONS

An Induced Polarization (IP) and resistivity survey and a total field magnetic survey have been carried out on the Snowater Project, Nelson M.D., British Columbia, at the request of Teck Explorations Ltd.

Interpretation of the IP and resistivity data has resulted in the selection of a number of anomalous zones (labelled A - K) which are illustrated, along with line profiles of the magnetic data, on the 1:2500 scale plan map labelled MTEC. Another 1:2500 scale plan map, labelled MTEC-MAG, also included with this report presents the magnetic data in contoured form. In general, the results of the magnetic survey were somewhat disappointing in that a clear trend, outlining the contact between the intrusive and the volcanics was not evident in the data.

It is the authors' understanding that a drill program is underway on the property at the present time. It is recommended that this program test the sources of Zone A and Zone B, which are felt to be the two most promising features detected by the present IP and resistivity survey. If these results are encouraging, further IP and resistivity surveying could be undertaken east of Line 900E in order to better define the

lateral extent of Zones A and B.

It is also suggested that Zone C be considered as a possible drill target, particularly in the vicinity of Station 112.5N on Line 200E.

At the present time, it is recommended that Zones D - K be treated on a low priority basis, at least until more information comes to light which could justify further investigation.

It is also recommended that the locations of possible fault zones interpreted to be present, as per the plan map labelled SNOW-RES, be correlated with other available information. At that point, their possible significance could be assessed and decisions made as to whether or not further investigation would be carried out.

PACIFIC GEOPHYSICAL LTD.

*Paul A. Cartwright*

PAUL A. CARTWRIGHT, P.Geoph.

*Michael J. Cormier*

MICHAEL J. CORMIER, B.Sc.

DATED: December 5, 1989



6. PERSONNEL:

FIELD CREW:

K. Corman, 5711 No. 2 Road, Richmond, B.C.

M. Hylands, 1430 Inglewood, West Vancouver, B.C.

J. West, General Delivery, Nelson, B.C.

D. Kyte, 912 Silica Street, Nelson, B.C.

P. Cartwright, 4238 West 11th Avenue, Vancouver, B.C.

M. Cormier, 5512 Kings Road, Vancouver, B.C.

DRAFTSMAN:

M. Cormier, 5512 Kings Road, Vancouver, B.C.

CONSULTANTS:

M. Cormier, 5512 Kings Road, Vancouver, B.C.

P. Cartwright, 4238 West 11th Avenue, Vancouver, B.C.

PACIFIC GEOPHYSICAL LTD.



PAUL A. CARTWRIGHT, P.Geoph.

Geophysicist

DATED: December 5, 1989

7. STATEMENT OF COST

A. Induced Polarization and Resistivity Survey

Crew: K. Corman, M. Hylands, J. West, P. Cartwright

Period: October 13, 1989 to October 16, 1989

Crew: K. Corman, M. Hylands, J. West, D. Kyte,  
P. Cartwright

Period: October 17, 1989 to October 19, 1989

Crew: K. Corman, M. Hylands, J. West, D. Kyte

Period: October 20, 1989 to October 25, 1989

12½ Operating Days @ \$1,375.00	\$17,187.50
Mobilization-Demobilization	1,200.00
Report Preparation (including magnetics) and plotting	<u>1,500.00</u>

TOTAL \$19,887.50

B. Total Field Magnetometer Survey

Crew: M. Cormier

Period: October 24, 1989 to October 31, 1989

Data Acquisition 34.6 l.km @ \$90.00	\$3,114.00
Data Plotting 34.6 l.km @ \$25.00	<u>865.00</u>

Total \$3,979.00

C. Interpretation, Plotting and Report  
Preparation

\$1,500.00

PACIFIC GEOPHYSICAL LTD.

*Paul A. Cartwright*

PAUL A. CARTWRIGHT, P.Geoph.  
Geophysicist

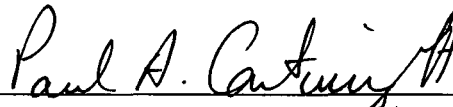
DATED: December 5, 1989

8. CERTIFICATE

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

1. I am a geophysicist residing at 4234 W. 11th Avenue, Vancouver, B.C.
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 practising my profession for 19 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 Explorations Ltd., Snow-Water Resources 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 5th day of December, 1989.



PAUL A. CARTWRIGHT, P.Geoph.

9. CERTIFICATE

I, Michael J. Cormier, of the City of Vancouver, Province of British Columbia, do hereby 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 8 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 Explorations Ltd., Snow-Water Resources Ltd., or any affiliates.
5. The statements made in this report are based on a study of published geological literature and unpublished private reports.
6. 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 5th day of December 1989.

  
\_\_\_\_\_  
MICHAEL J. CORMIER, B.Sc.

10. CERTIFICATE

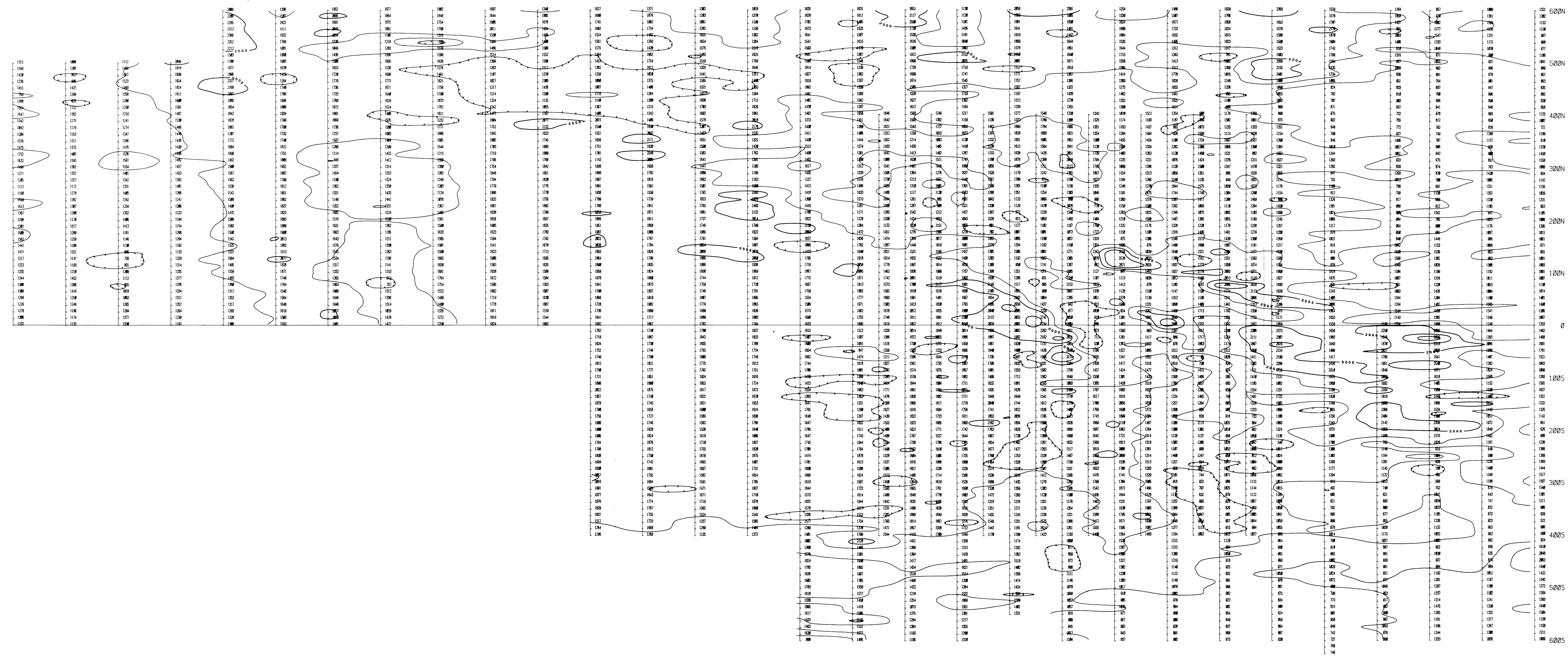
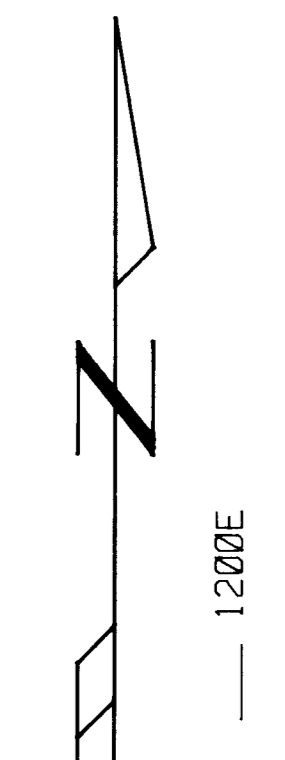
I, Kevin Corman, of the City of Richmond, Province of British Columbia, do hereby certify:

1. I am a graduate of Laval University, Quebec, P.Q. with a B.A. degree.
2. I have been employed as a geophysical crew assistant by Phoenix Geophysics Limited, 200 Yorkland Blvd., Willowdale, Ontario, for a period of 4 years.
3. I have been employed as a geophysical crew leader by Pacific Geophysical Ltd., 744 West Hastings Street, Vancouver, B.C., for three 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 Explorations Ltd., Snow-Water Resources Ltd. or any affiliates.

DATED AT VANCOUVER, BRITISH COLUMBIA this 5th day of December, 1989.

Kevin Corman per  
KEVIN CORMAN, B.A. *PAC*

1500W 1400W 1300W 1200W 1100W 1000W 900W 800W 700W 600W 500W 400W 300W 200W 100W 0 100E 150E 200E 250E 300E 350E 400E 450E 500E 550E 600E 650E 700E 750E 800E 850E 900E 1000E 1100E 1200E 1300E 1400E

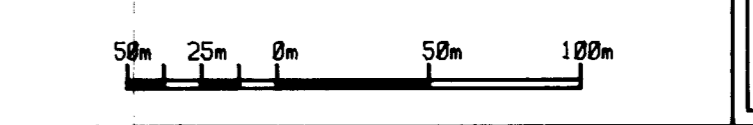


GEOLOGICAL BRANCH  
ASSESSMENT REPORT

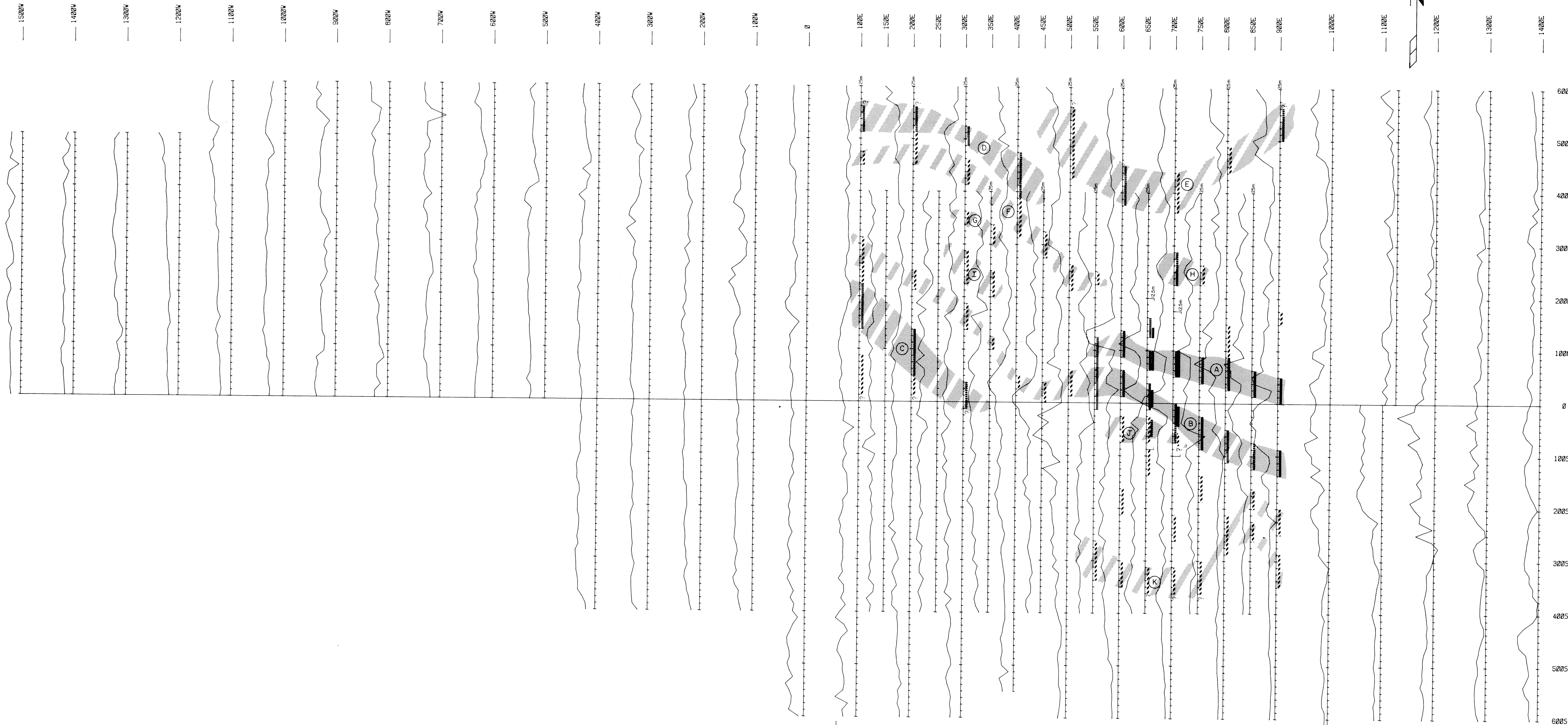
19,900 PART 2 OF 2

TECK EXPLORATIONS LTD.  
MAGNETOMETER SURVEY  
(FILTERED CONTOUR PRESENTATION)  
Snowater Project, Nelson M.D.; B.C.  
SCALE = 1 : 2500 DATE : Oct., 1989.  
SURVEY BY : MJC NTS : 82F  
FILE: MTEC-MAG  
Pacific Geophysical Ltd.

Instrument : DMI 4  
Field : TOTAL  
Datum : 578888 nT  
Contour Interval : 500 nT  
1 pass through a 3 pt. Moving Filter.  
1 pass through a 9 pt. Moving Filter.



To accompany report by  
M.J. Cormier and P.A. Cartwright



1989 I.P. AND RESISTIVITY SURVEY COVERAGE

GEOLOGICAL BRANCH  
ASSESSMENT REPORT

19,900 PART 2 OF 2

To accompany report by  
M.J. Corrier and P.A. Cartwright

IPONETICS Unit 4 (Total Field Base Station)  
Profile Scale = 1000 nT/m; Datum = 57000 nT

INDUCED POLARIZATION: ESR IP-6 (Dipole-Dipole,  $\rho_{25m}$ )

I.P. Anomaly Classes:  
Strong  
Moderate  
Weak

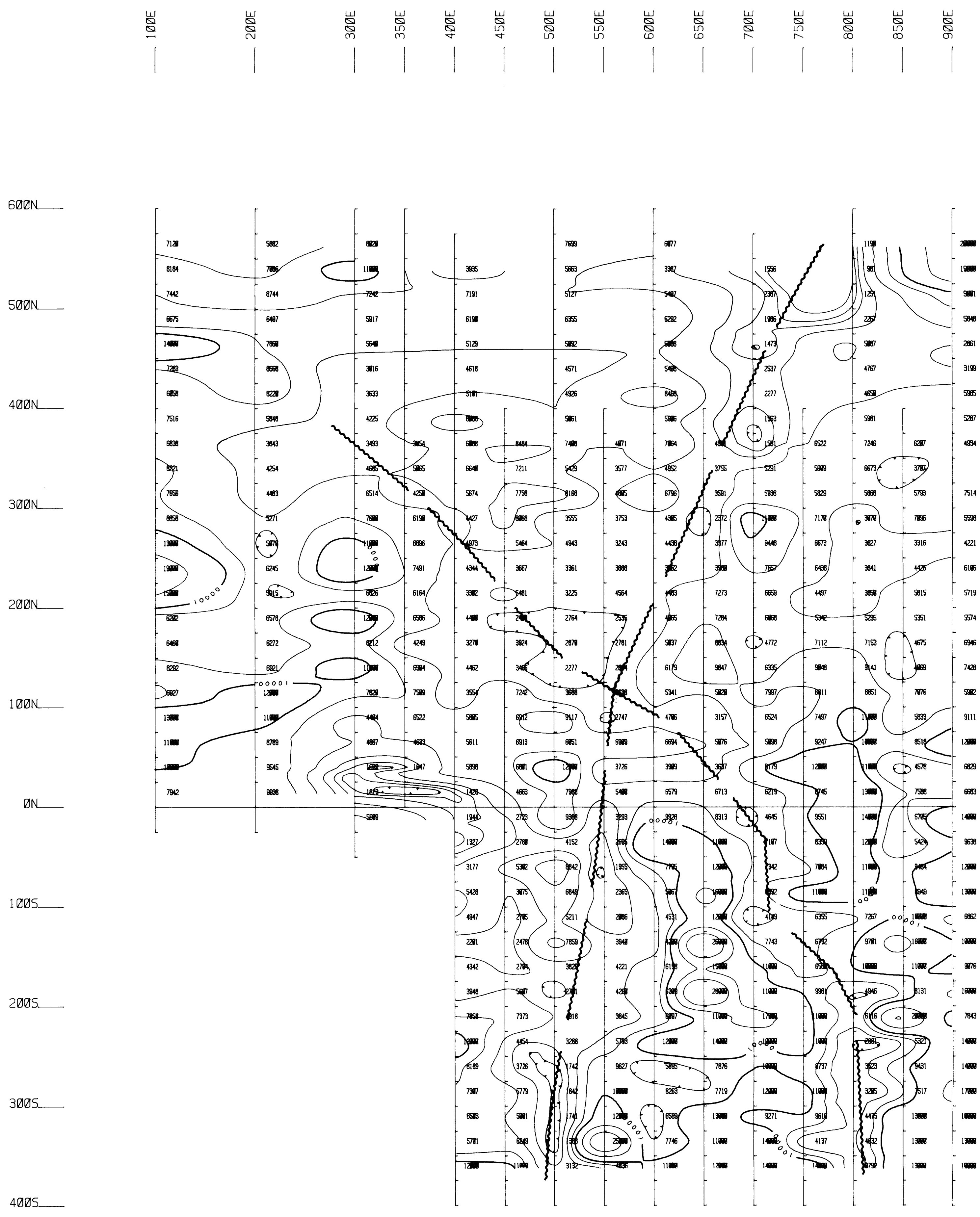
Outline of Anomalous I.P. Zones:  
Strong Mod. Weak

TECK EXPLORATIONS LTD.

INDUCED POLARIZATION INTERPRETATION  
MAGNETOMETER PROFILES

Snowater Project, Neelon M.D., B.C.

SCALE = 1 : 2500 DATE : Oct., 1989.  
SURVEY BY : KC/MJC NTS : 82F  
FILE: MTEC  
Pacific Geophysical Ltd.



GEOLOGICAL BRANCH  
ASSESSMENT REPORT



19,900 PART 2 OF 2

TECK EXPLORATIONS LTD.  
RESISTIVITY DATA (n=1)

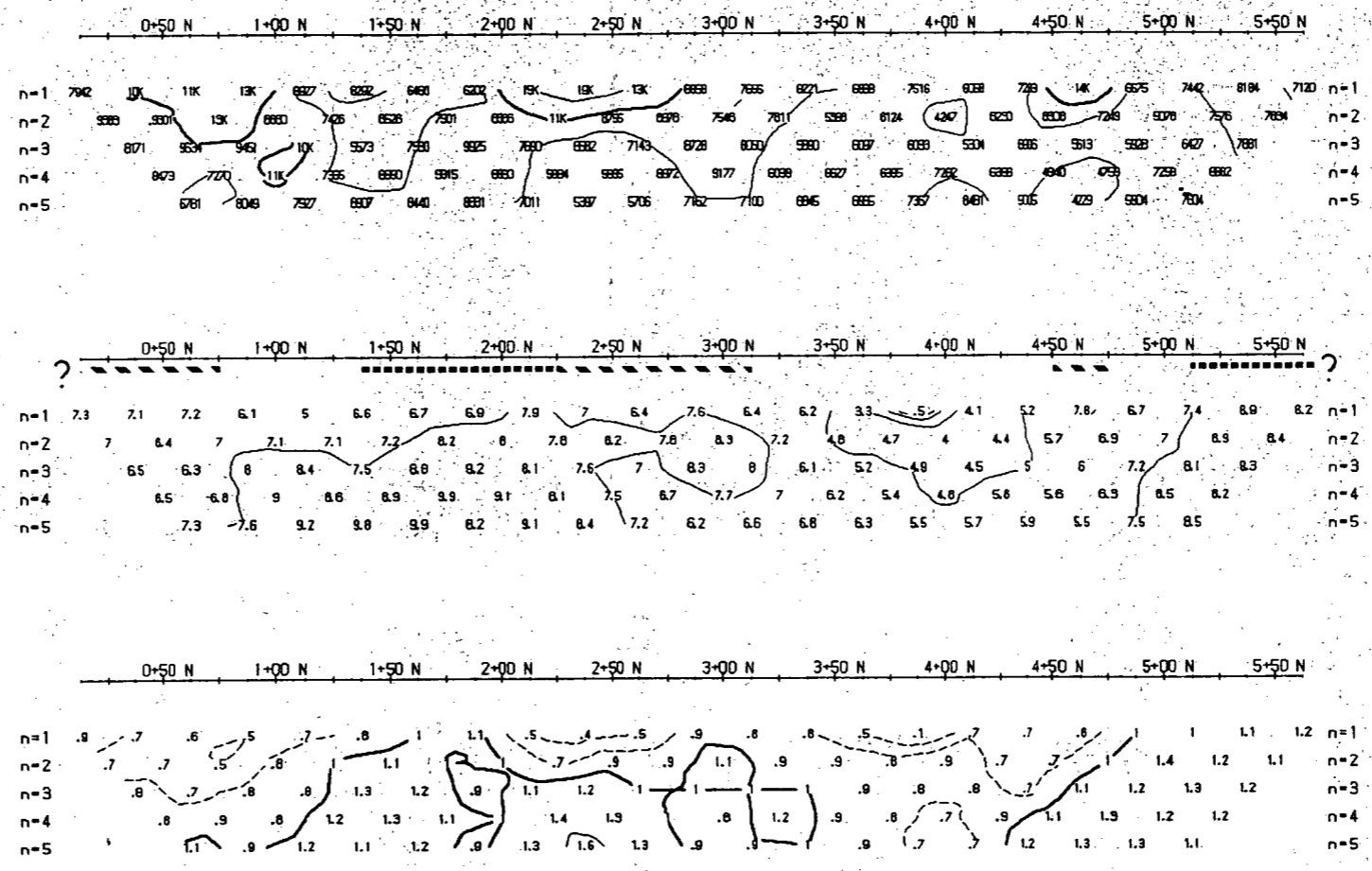
SNOWATER PROJECT  
Nelson Mining Division, B.C.

SCALE = 1: 2500 DATE : Oct., 1989.  
SURVEY BY : PAC/KC NTS : 82F

FILE: SNOW-RES  
Pacific Geophysical Ltd.

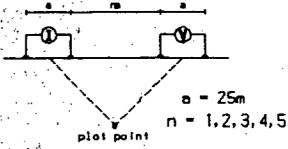
Instrument : EDR IP-6  
Contour Interval : Logarithmic  
(1000, 1500, 2000, 3000, 5000, 7500, etc.)  
Trend of Apparent Resistivity Low :   






**Line 100 E**

Dipole-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: 2s ON / 2s OFF  
 Operator: PAC/KC

**INTERPRETATION**

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

TECK EXPLORATIONS LTD

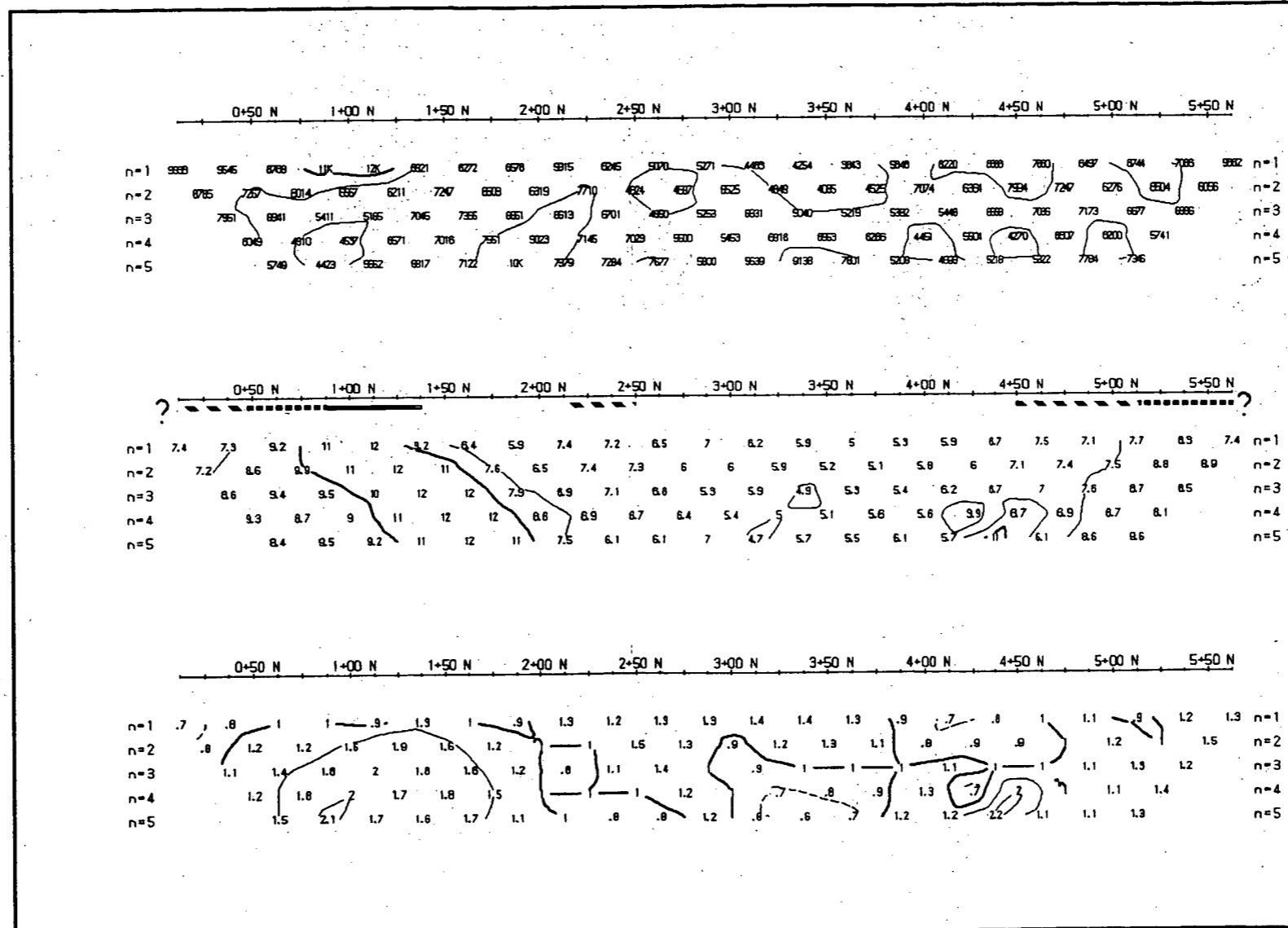
INDUCED POLARIZATION SURVEY

Line 100 E  
 SNOWATER PROPERTY

Date: Oct 1989 NTG: 82F  
 Interpretation by: PAC/KC  
 Scale: 1 : 2500

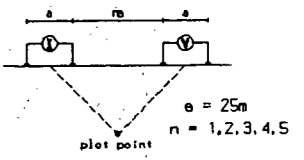
Pacific Geophysical Ltd

GEOSPT (6a) Software for the Earth Sciences, Toronto, Canada



**Line 200 E**

Dipole-Dipole Array



RESISTIVITY  
(ohm.m)

OBS. CHARGEABILITY  
(nsec)

METAL FACTOR  
( $\mu p/res = 10000$ )

Logarithmic  
 Contours 1, 1.5, 2, 3, 5, 7.5, 10, ...  
 Instrument : EDA IP-6  
 Frequency : 2s ON / 2s OFF  
 Operator : PAC/KC

**INTERPRETATION**

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

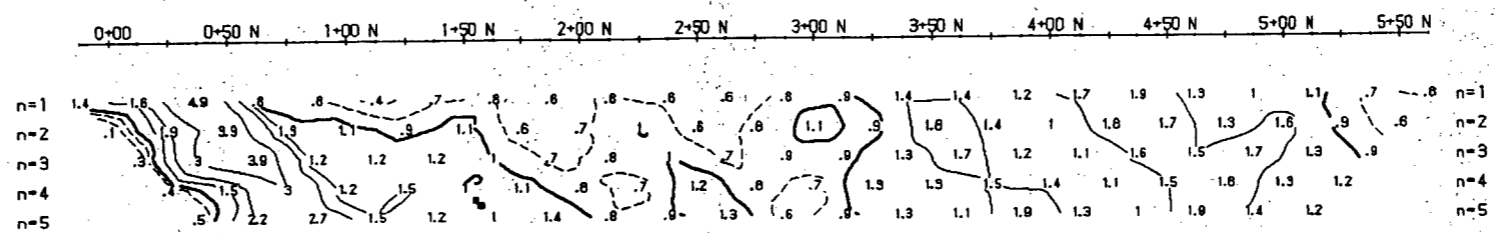
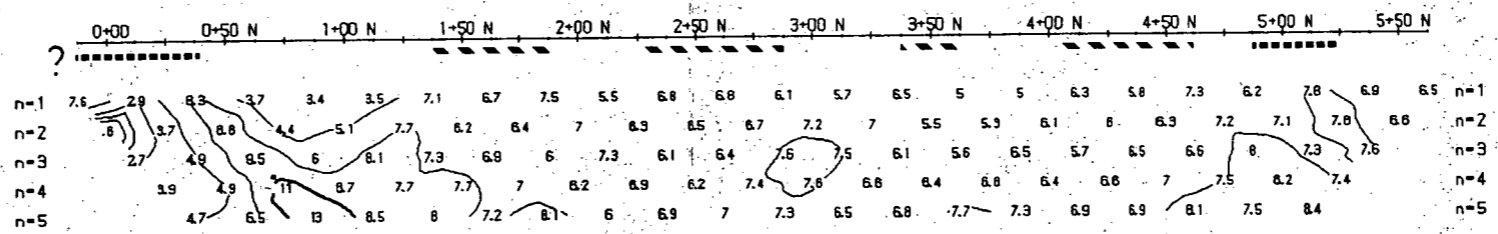
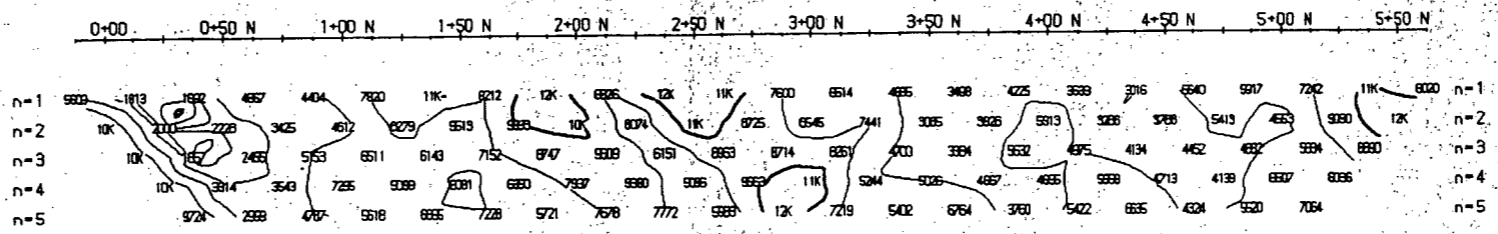
**TECK EXPLORATIONS LTD**

**INDUCED POLARIZATION SURVEY**  
**Line 200 E**  
**SNOWATER PROPERTY**

Date: Oct 1989 NTS: 82F  
 Interpretation by: PAC/KC  
 Scale: 1 : 2500

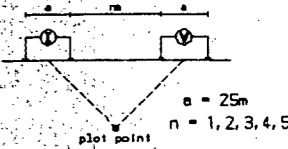
**Pacific Geophysical Ltd**

RESIST (1.6) Software for the Earth Sciences, Toronto, Canada



**Line 300 E**

Dipole-Dipole Array



RESISTIVITY (ohm-m)

OBS. CHARGEABILITY (msec)

METAL FACTOR (lp/res \* 1000)

Logarithmic Contours: 1, 1.5, 2, 3, 5, 7.5, 10, ...  
 Instrument: EDA IP-6  
 Frequency: 2s ON / 2s OFF

Operator: PAC/KC

**INTERPRETATION**

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

TECK EXPLORATIONS LTD

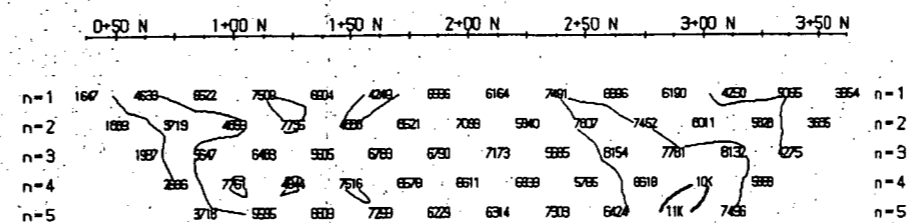
**INDUCED POLARIZATION SURVEY**

Line 300 E  
 SNOWATER PROPERTY

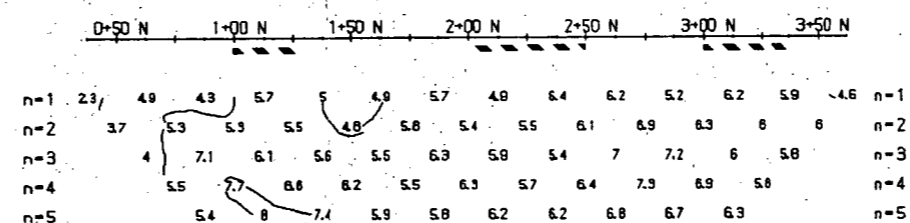
Date: Oct 1989 NTS: 82F  
 Interpretation by: PAC/KC  
 Scale: 1 : 2500

Pacific Geophysical Ltd

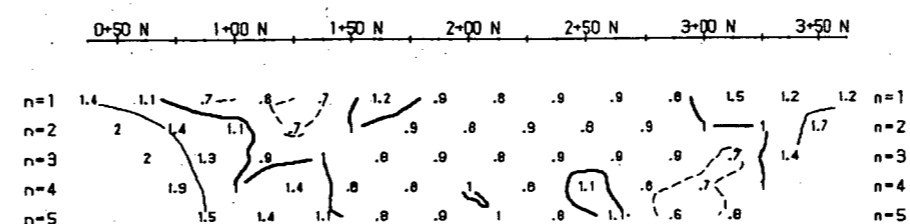
GEOSOFI (1.0) Software for the Earth Sciences, Toronto, Canada



RESISTIVITY  
(ohm.m)

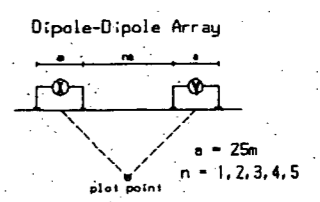


OBS. CHARGEABILITY  
(msec)



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

**Line 350 E**



Logarithmic Contours: 1, 1.5, 2, 3, 5, 7.5, 10, ...  
Instrument: EDA IP-6  
Frequency: 2s ON / 2s OFF  
Operator: PAC/KC

**INTERPRETATION**

Strong increase in polarization

Moderate increase in polarization

Weak increase in polarization

TECK EXPLORATIONS LTD

INDUCED POLARIZATION SURVEY

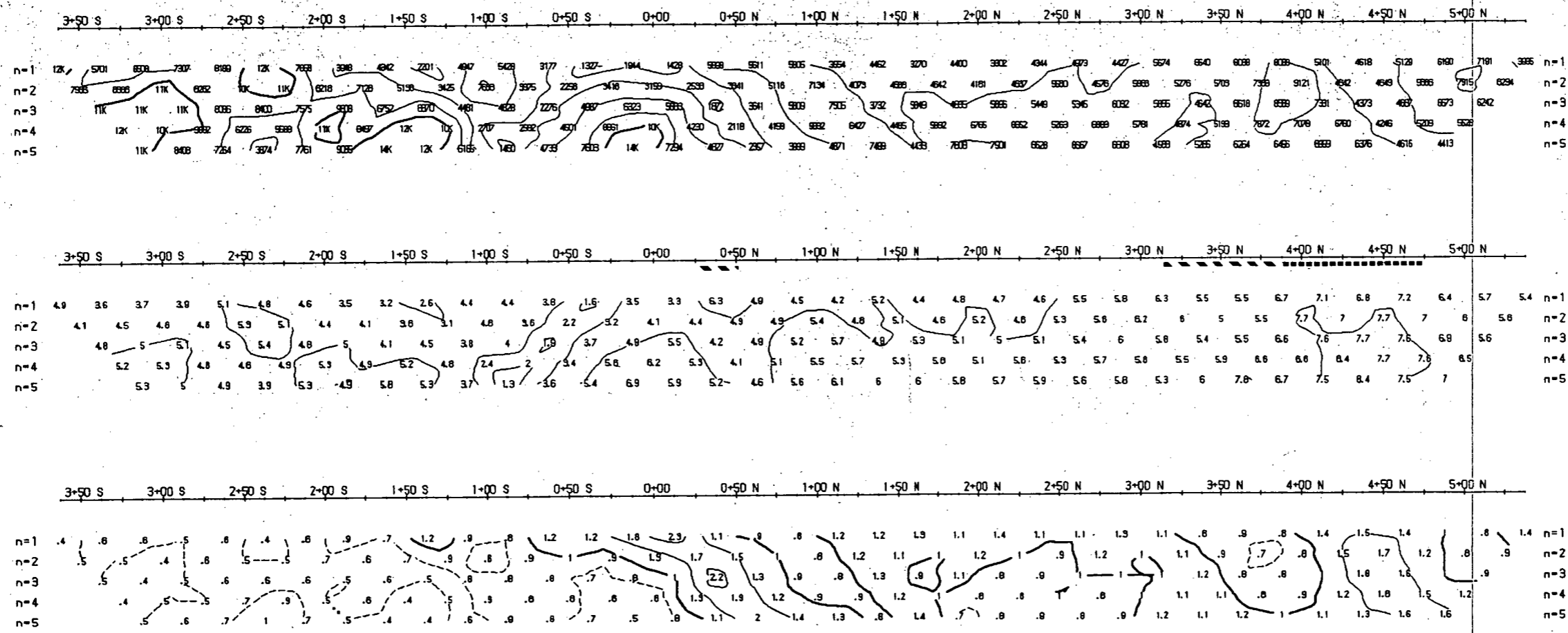
Line 350 E

SNOWATER PROPERTY

Date: Oct 1989 NTS: 82F  
Interpretation by: PAC/KC  
Scale: 1 : 2500

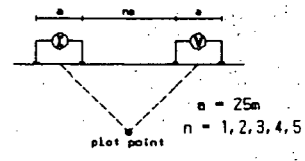
Pacific Geophysical Ltd

RESIST (1.0) Software for the Earth Sciences, Toronto, Canada



**Line 400 E**

Dipole-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 : 2s ON / 2s OFF

Operator : PAC/KC

**INTERPRETATION**

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

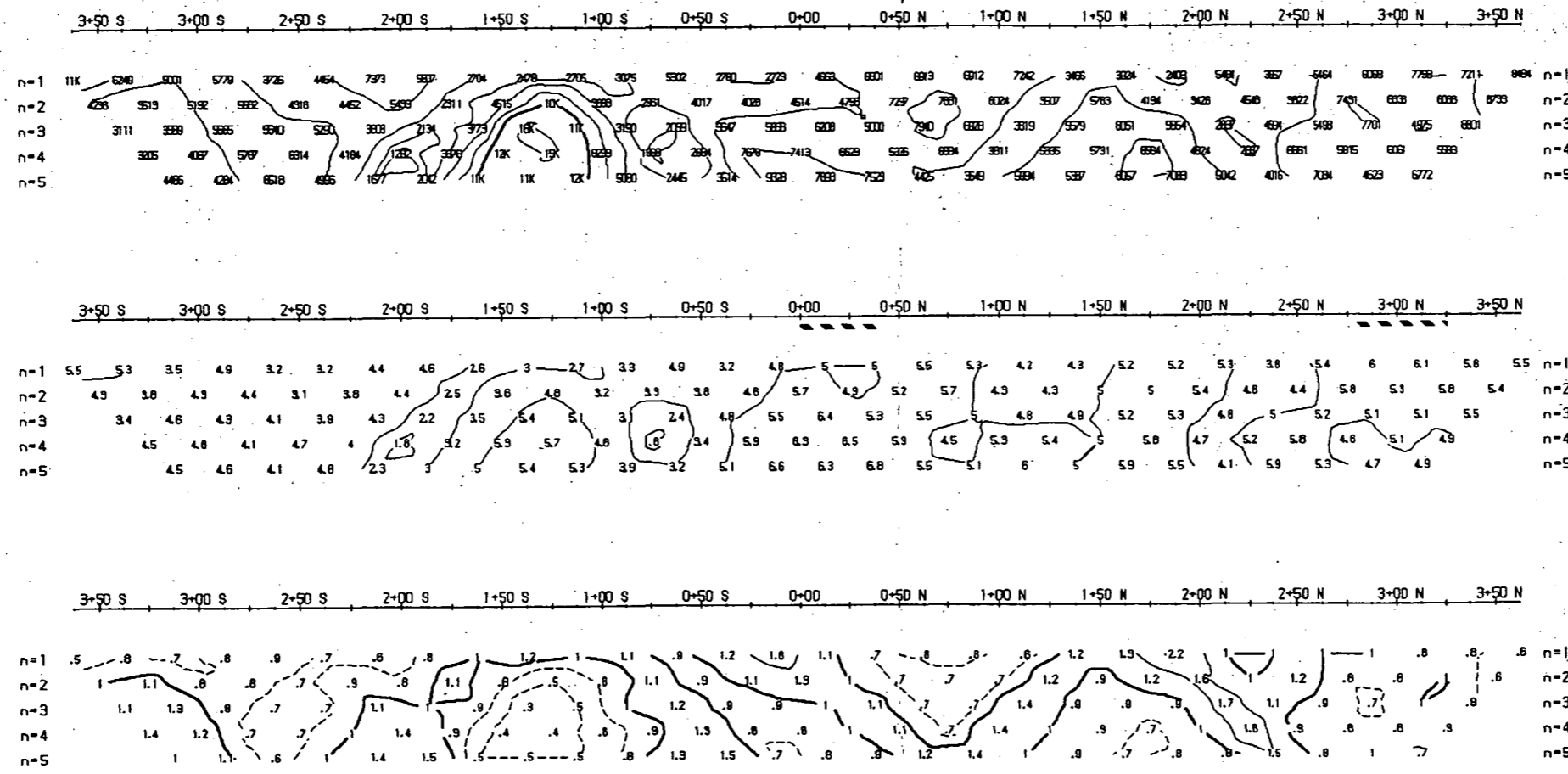
**TECK EXPLORATIONS LTD**

**INDUCED POLARIZATION SURVEY**

**Line 400 E  
SNOWATER PROPERTY**

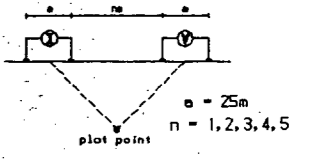
Date: Oct 1989 NTS: 82F  
Interpretation by: PAC/KC  
Scale: 1 : 2500

**Pacific Geophysical Ltd**



**Line 450 E**

Dipole-Dipole Array



RESISTIVITY  
(ohm-m)

OBS. CHARGEABILITY  
(msec)

METAL FACTOR  
(tp/mas \* 1000)

Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10, ...  
Instrument : EDA IP-6  
Frequency : 2s ON / 2s OFF

Operator : PAC/KC

**INTERPRETATION**

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

TECK EXPLORATIONS LTD

INDUCED POLARIZATION SURVEY  
Line 450 E  
SNOWATER PROPERTY

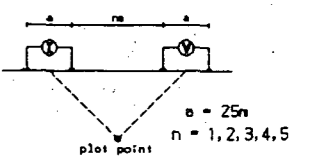
Date: Oct 1989 NTS: 82F  
Interpretation by: PAC/KC  
Scale: 1 : 2500

Pacific Geophysical Ltd

EDSIP-1 (12) Software for the Earth Sciences, Toronto, Canada

**Line 500 E**

Dipole-Dipole Array



RESISTIVITY  
(ohm-m)

OBS. CHARGEABILITY  
(msec)

METAL FACTOR  
(lp/res \* 1000)

Logarithmic Contours: 1, 1.5, 2, 3, 5, 7.5, 10, ...  
Instrument: EDA IP-6  
Frequency: 2s ON / 2s OFF

Operator: PAC/KC

**INTERPRETATION**

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

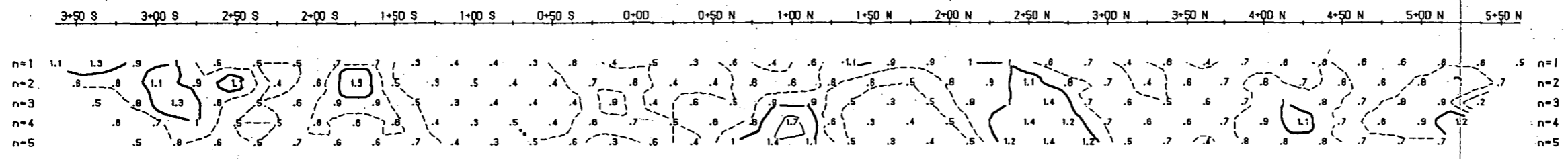
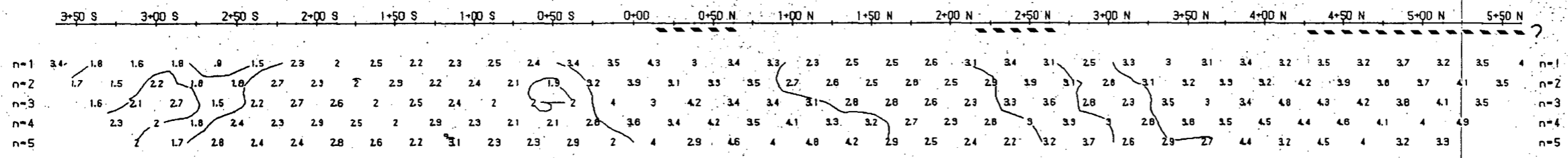
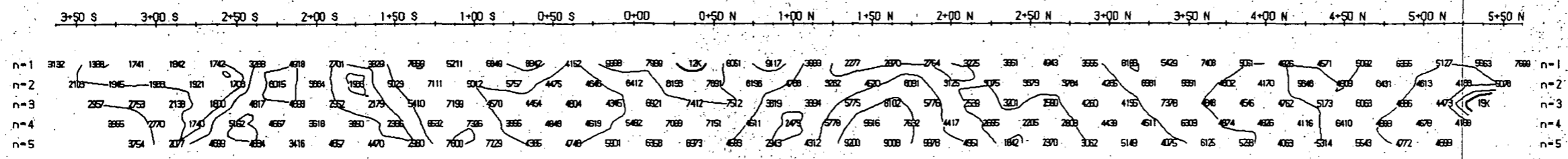
TECK EXPLORATIONS LTD

INDUCED POLARIZATION SURVEY

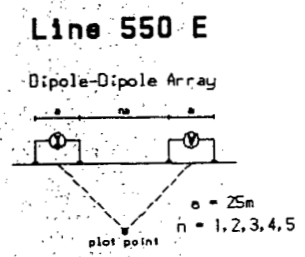
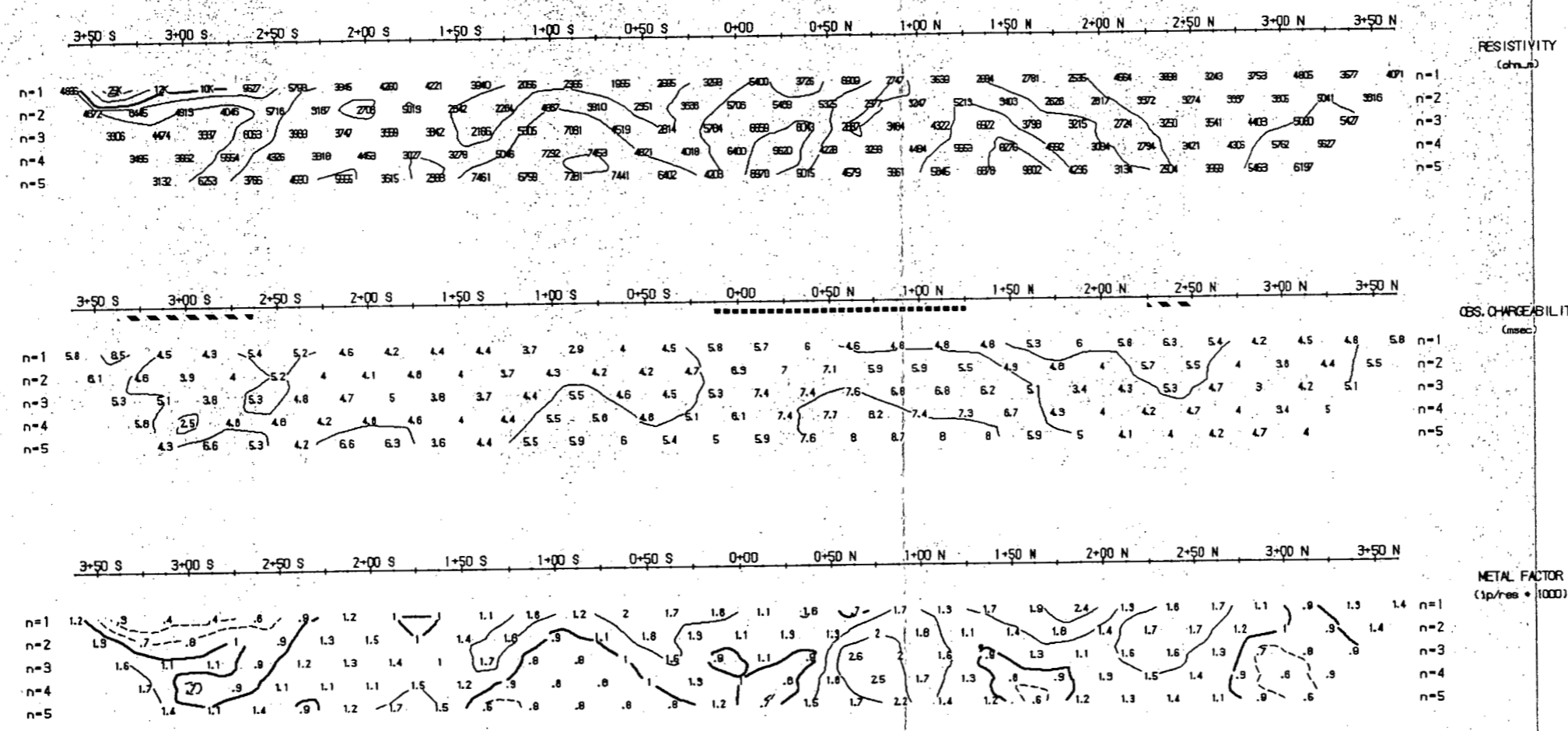
Line 500 E  
SNOWATER PROPERTY

Date: Oct 1989 NTS: 82F  
Interpretation by: PAC/KC  
Scale: 1 : 2500

Pacific Geophysical Ltd



EDSIP (1a) Software for the Earth Sciences, Toronto, Canada



Logarithmic Contours: 1, 1.5, 2, 3, 5, 7.5, 10, ...  
 Instrument: EDA IP-6  
 Frequency: 2s ON / 2s OFF  
 Operator: PAC/KC

**INTERPRETATION**

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

TECK EXPLORATIONS LTD

INDUCED POLARIZATION SURVEY

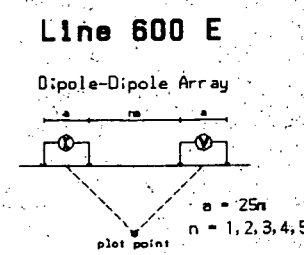
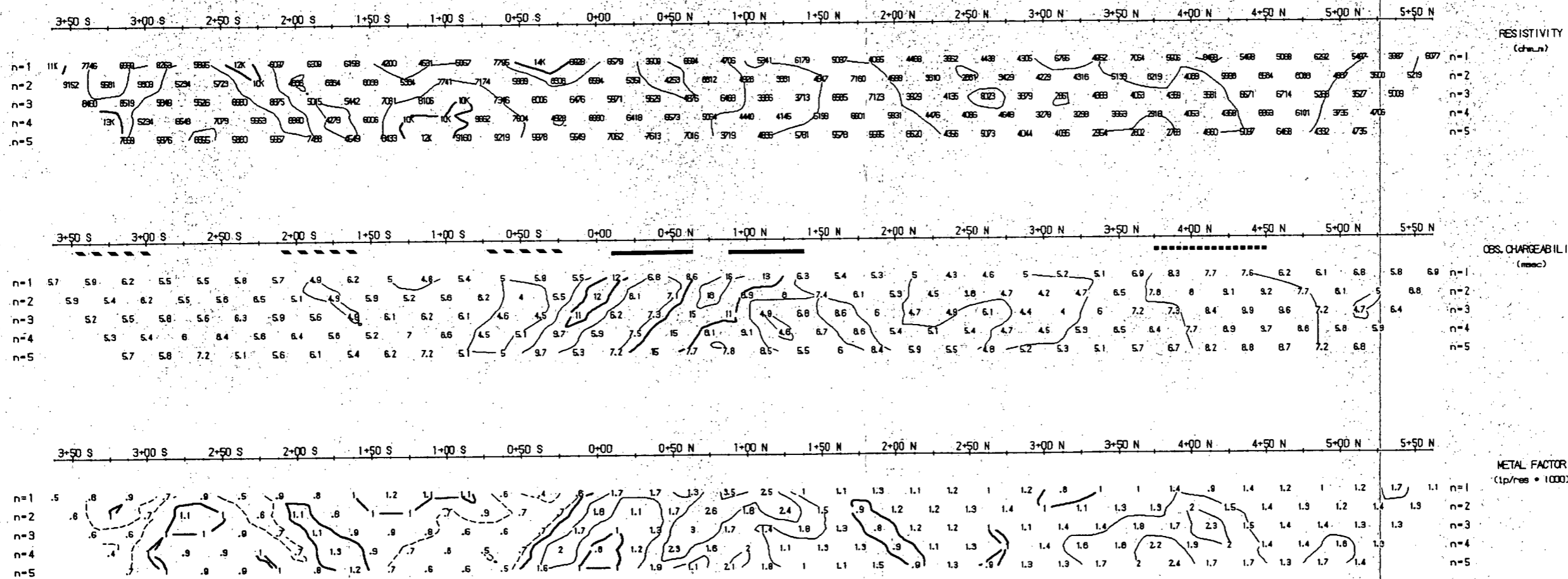
Line 550 E  
 SNOWATER PROPERTY

Date: Oct 1989 NTS: 82F  
 Interpretation by: PAC/KC  
 Scale: 1 : 2500

Pacific Geophysical Ltd

ESOSFT (1a) Software for the Earth Sciences, Toronto, Canada





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

Instrument: EDA IP-6

Frequency: 2s ON / 2s OFF

Operator: PAC/KC

**INTERPRETATION**

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

**TECK EXPLORATIONS LTD**

**INDUCED POLARIZATION SURVEY**

**Line 600 E**

**SNOWATER PROPERTY**

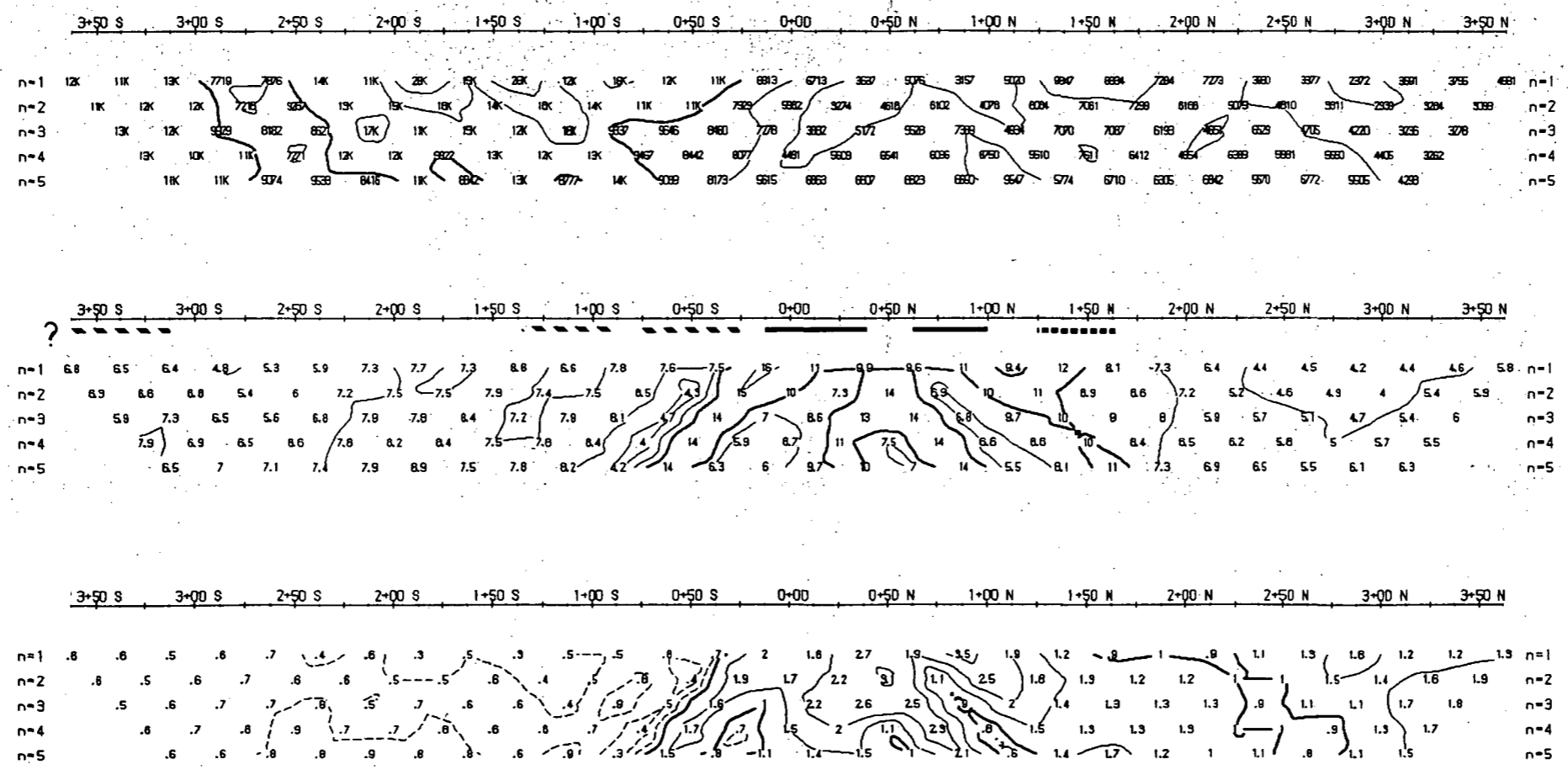
Date: Oct 1989 NTS: 62F

Interpretation by: PAC/KC

Scale: 1 : 2500

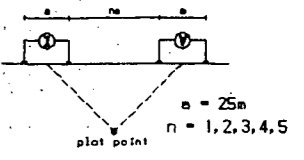
**Pacific Geophysical Ltd**

GEOSCI 1167 Software for the Earth Sciences, Toronto, Canada



**Line 650 E**

Dipole-Dipole Array



RESISTIVITY  
(ohm-m)

CHARGEABILITY  
(msec)

METAL FACTOR  
( $\mu p/ree \times 1000$ )

Logarithmic Contours: 1, 1.5, 2, 3, 5, 7.5, 10, ...  
Instrument: EDA IP-6  
Frequency: 2s ON / 2s OFF

Operator: PAC/KC

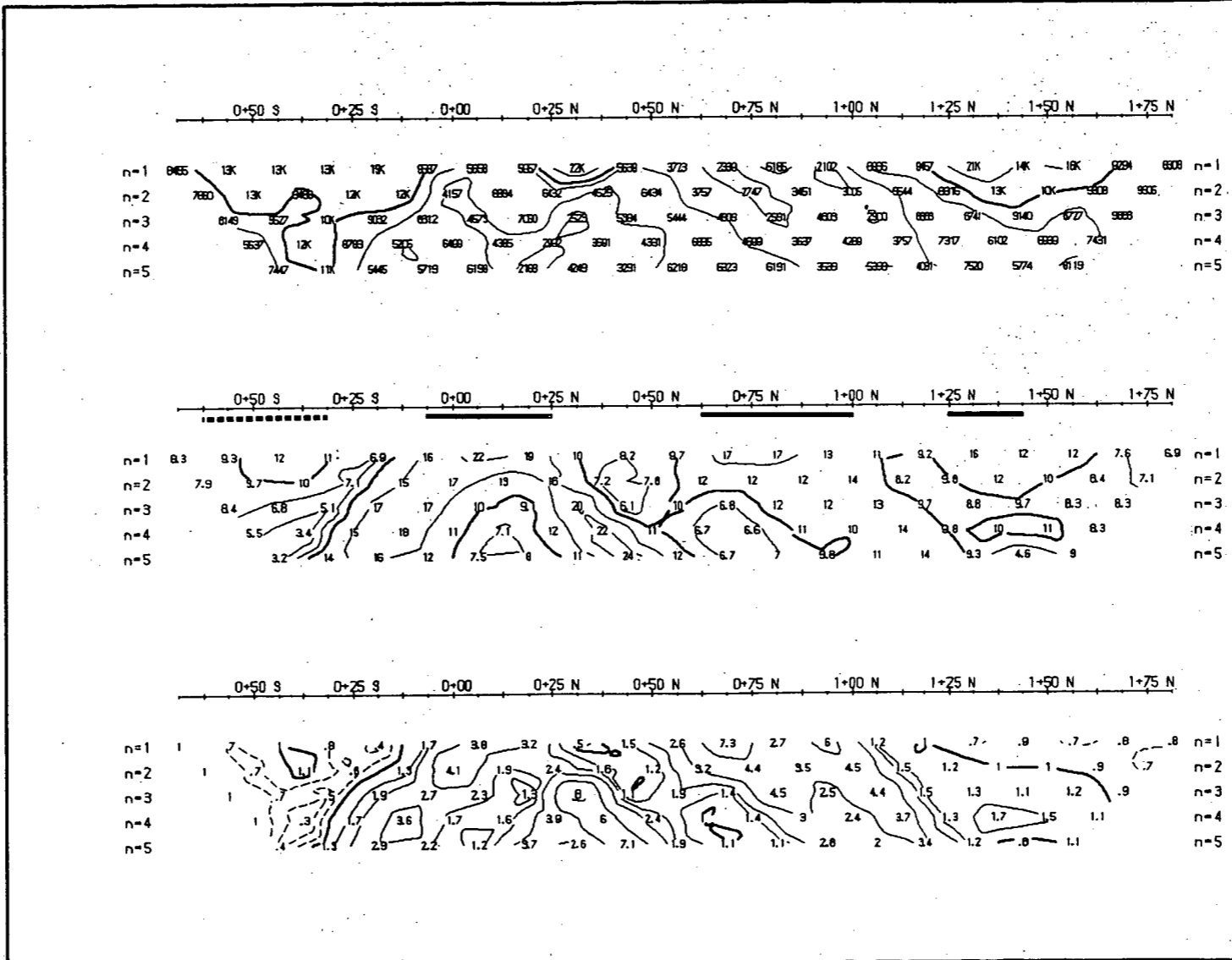
- INTERPRETATION**
- Strong increase in polarization
  - Moderate increase in polarization
  - //// Weak increase in polarization

**TECK EXPLORATIONS LTD**  
**INDUCED POLARIZATION SURVEY**  
**Line 650 E**  
**SNOWATER PROPERTY**

Date: Oct 1989 NTS: 82F  
Interpretation by: PAC/KC  
Scale: 1 : 2500

**Pacific Geophysical Ltd**

GEOSOFI (16a) Software for the Earth Sciences, Toronto, Canada



**Line 650 E**

Dipole-Dipole Array

RESISTIVITY (ohm-m)

CHARGEABILITY (msec)

METAL FACTOR (sp/mes \* 1000)

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

Instrument: EDA IP-6

Frequency: 2s ON / 2s OFF

Operator: PAC/KC

**INTERPRETATION**

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

**TECK EXPLORATIONS LTD**

**INDUCED POLARIZATION SURVEY**

**Line 650 E**

**SNOWATER PROPERTY**

Date: Oct 1989 NTS: B2F

Interpretation by: PAC/KC

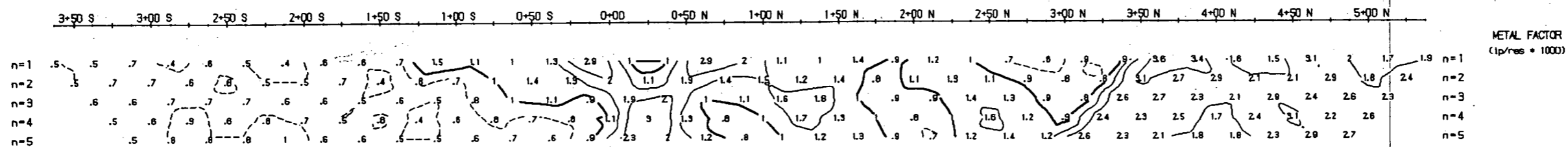
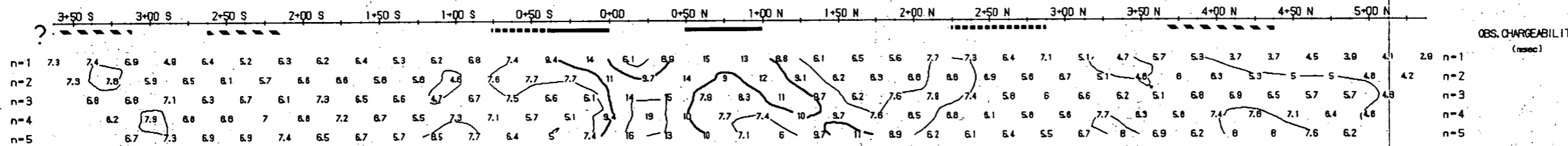
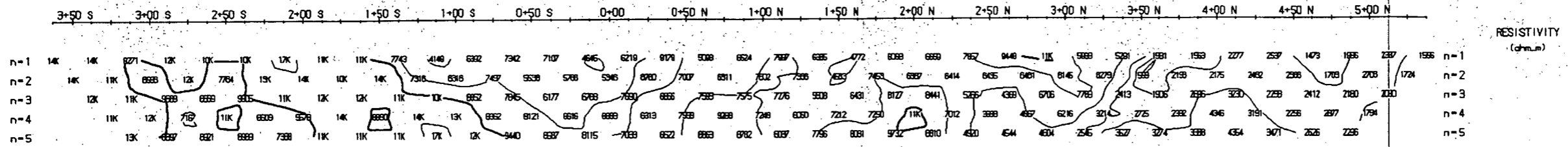
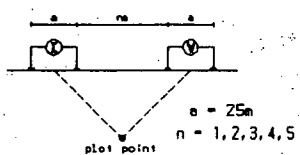
Scale: 1 : 2500

**Pacific Geophysical Ltd**

EDIP (1.0) Software for the Earth Sciences, Toronto, Canada

**Line 700 E**

Dipole-Dipole Array



Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10, ...  
 Instrument : EDA IP-6  
 Frequency : 2s ON / 2s OFF

Operator : PAC/KC

**INTERPRETATION**

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

**TECK EXPLORATIONS LTD**

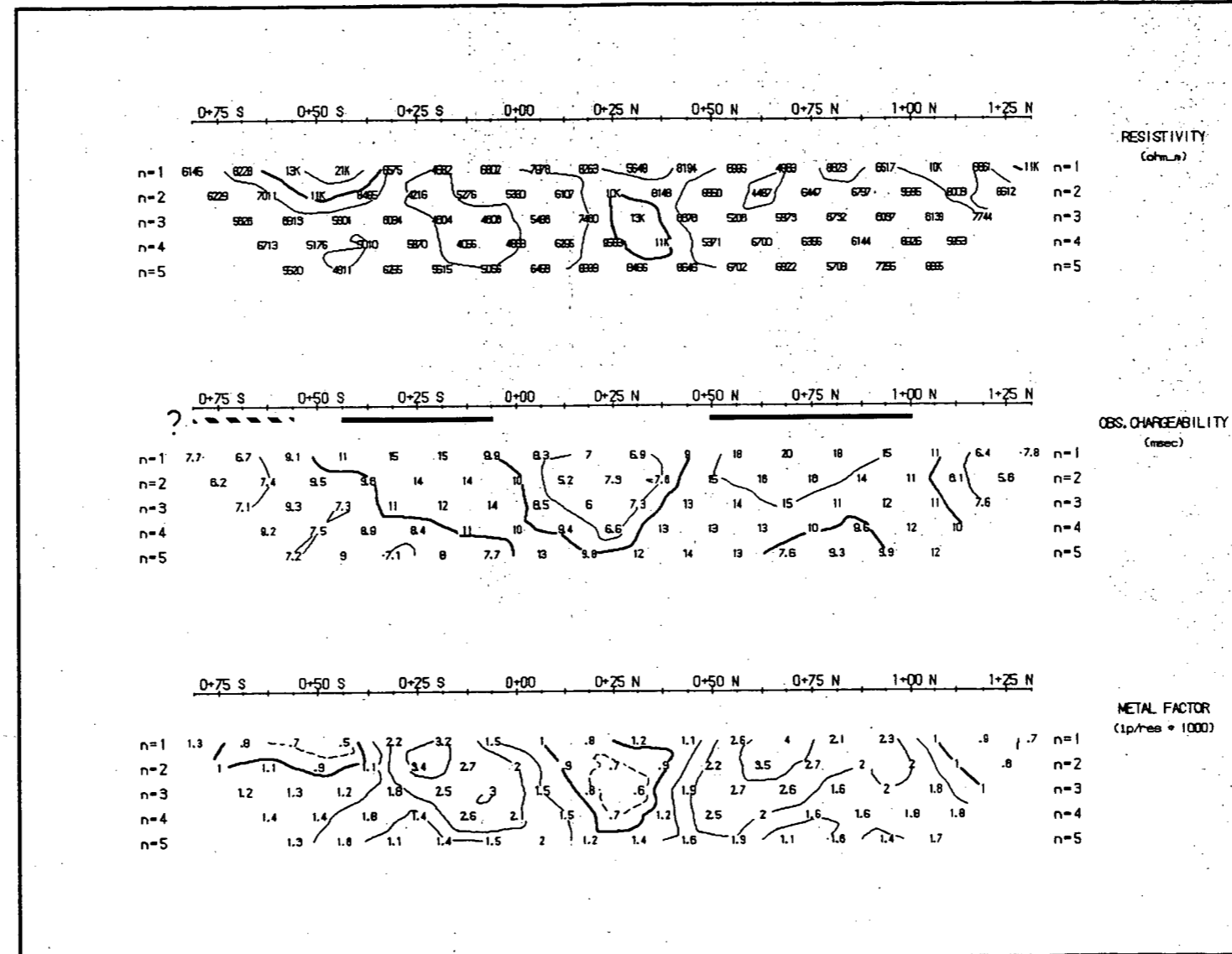
**INDUCED POLARIZATION SURVEY**

Line 700 E  
 SNOWATER PROPERTY

Date: Oct 1989 NTS: 82F  
 Interpretation by: PAC/KC  
 Scale: 1 : 2500

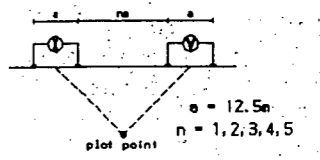
**Pacific Geophysical Ltd**

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



**Line 700 E**

Dipole-Dipole Array



Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10...  
Instrument : EDA IP-6  
Frequency : 2s ON / 2s OFF  
Operator : PAC/KC

**INTERPRETATION**

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

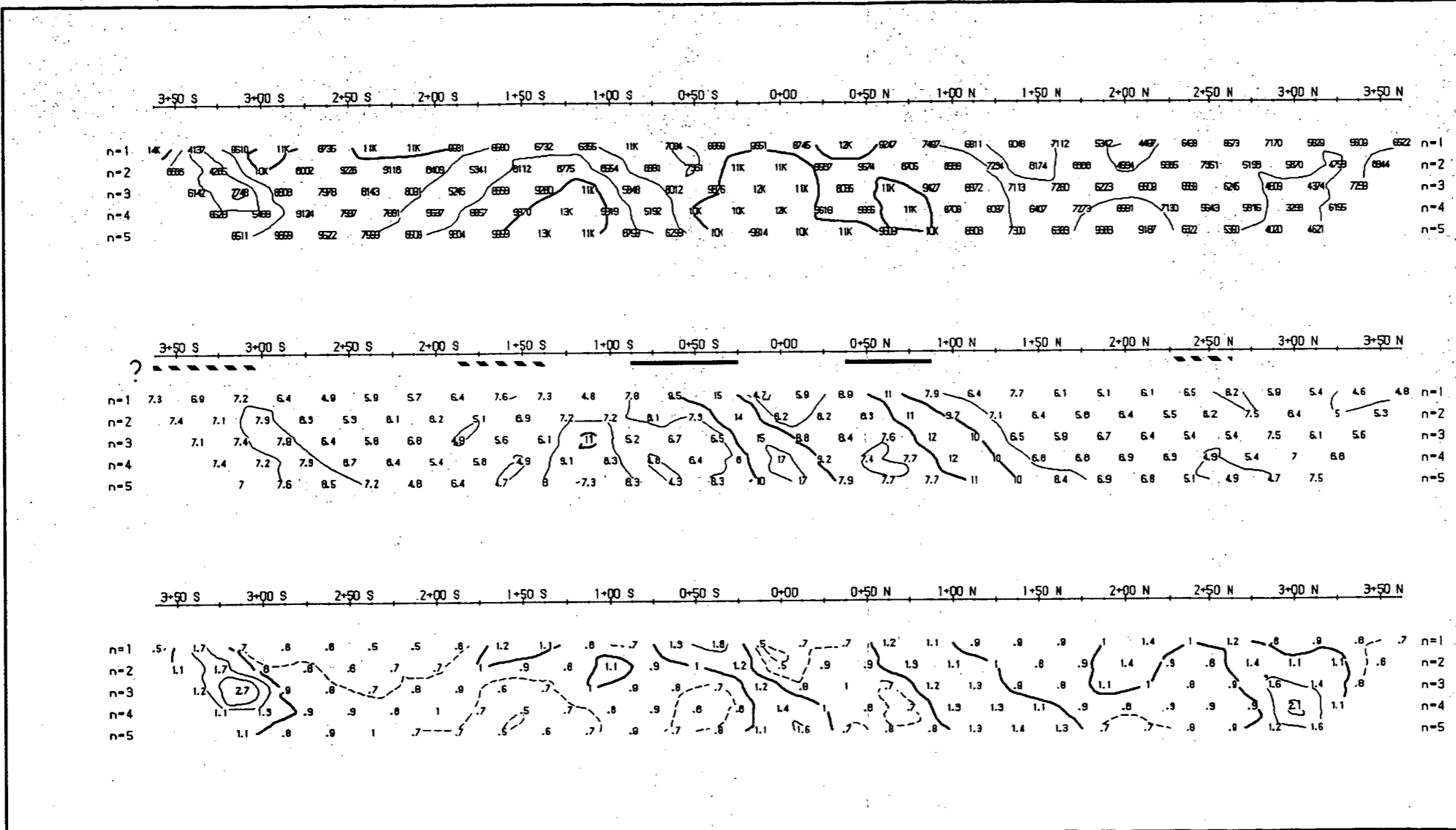
**TECK EXPLORATIONS LTD**

**INDUCED POLARIZATION SURVEY**  
**Line 700 E**  
**SNOWATER PROPERTY**

Date: Oct 1989 NTS: 82F  
Interpretation by: PAC/KC  
Scale: 1 : 2500

**Pacific Geophysical Ltd**

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



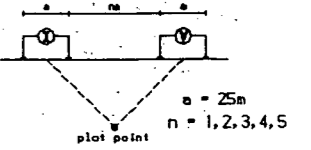
RESISTIVITY  
(ohm-m)

CHARGEABILITY  
(msec)

METAL FACTOR  
(1p/res \* 1000)

**Line 750 E**

Dipole-Dipole Array



Logarithmic Contours: 1, 1.5, 2, 3, 5, 7.5, 10, ...  
 Instrument: EDA IP-6  
 Frequency: 2s ON / 2s OFF

Operator: PAC/KC

**INTERPRETATION**

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

**TECK EXPLORATIONS LTD**

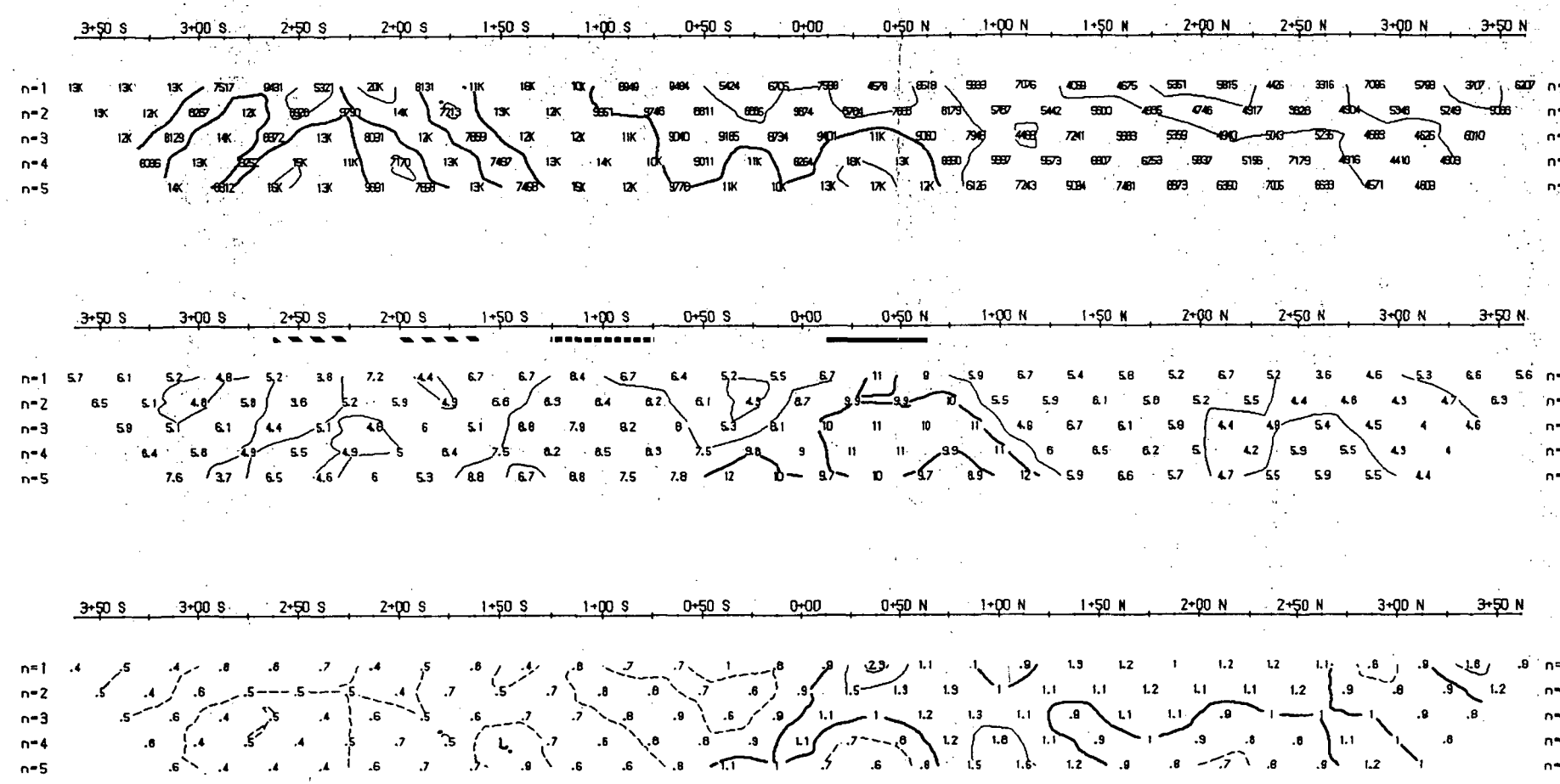
**INDUCED POLARIZATION SURVEY**

**Line 750 E  
SNOWATER PROPERTY**

Date: Oct 1989 NTS: 82F  
 Interpretation by: PAC/KC  
 Scale: 1 : 2500

**Pacific Geophysical Ltd**

RESIST (12) Software for the Earth Sciences, Toronto, Canada



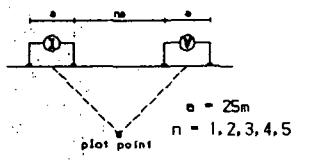
RESISTIVITY  
(ohm-m)

CHARGEABILITY  
(msec)

METAL FACTOR  
(ip/res \* 1000)

**Line 850 E**

Dipole-Dipole Array



Logarithmic Contours : 1, 1.5, 2, 3, 5, 7.5, 10, ...  
Instrument : EDA IP-6  
Frequency : 2s ON / 2s OFF

Operator : PAC/KC

INTERPRETATION

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

TECK EXPLORATIONS LTD

INDUCED POLARIZATION SURVEY  
Line 850 E  
SNOWATER PROPERTY

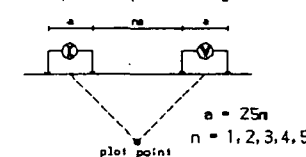
Date: Oct 1989 NTS: 82F  
Interpretation by: PAC/KC  
Scale: 1 : 2500

Pacific Geophysical Ltd

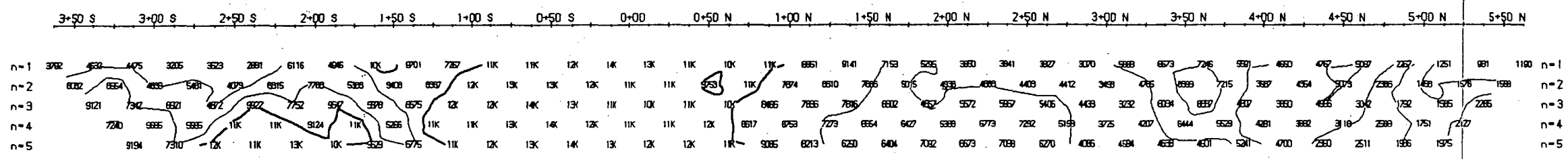
ES3071 (1-87) Software for the Earth Sciences, Toronto, Canada

Line 800 E

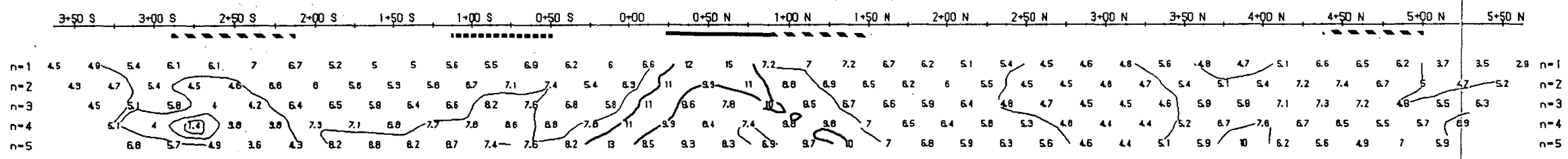
Dipole-Dipole Array



RESISTIVITY  
(ohm-m)



OBS. CHARGEABILITY  
(msec)

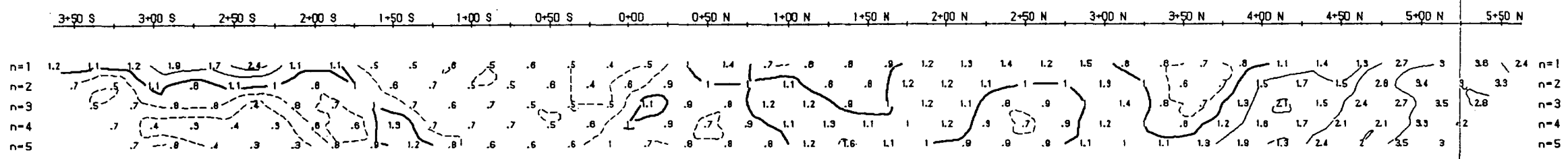


Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10, ...  
Instrument : EDA IP-6  
Frequency : 2s ON / 2s OFF  
Operator : PAC/KC

INTERPRETATION

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

METAL FACTOR  
(tp/res \* 1000)



TECK EXPLORATIONS LTD  
INDUCED POLARIZATION SURVEY  
Line 800 E  
SNOWATER PROPERTY

Date: Oct 1989 NTS: 82F  
Interpretation by: PAC/KC  
Scale: 1 : 2500

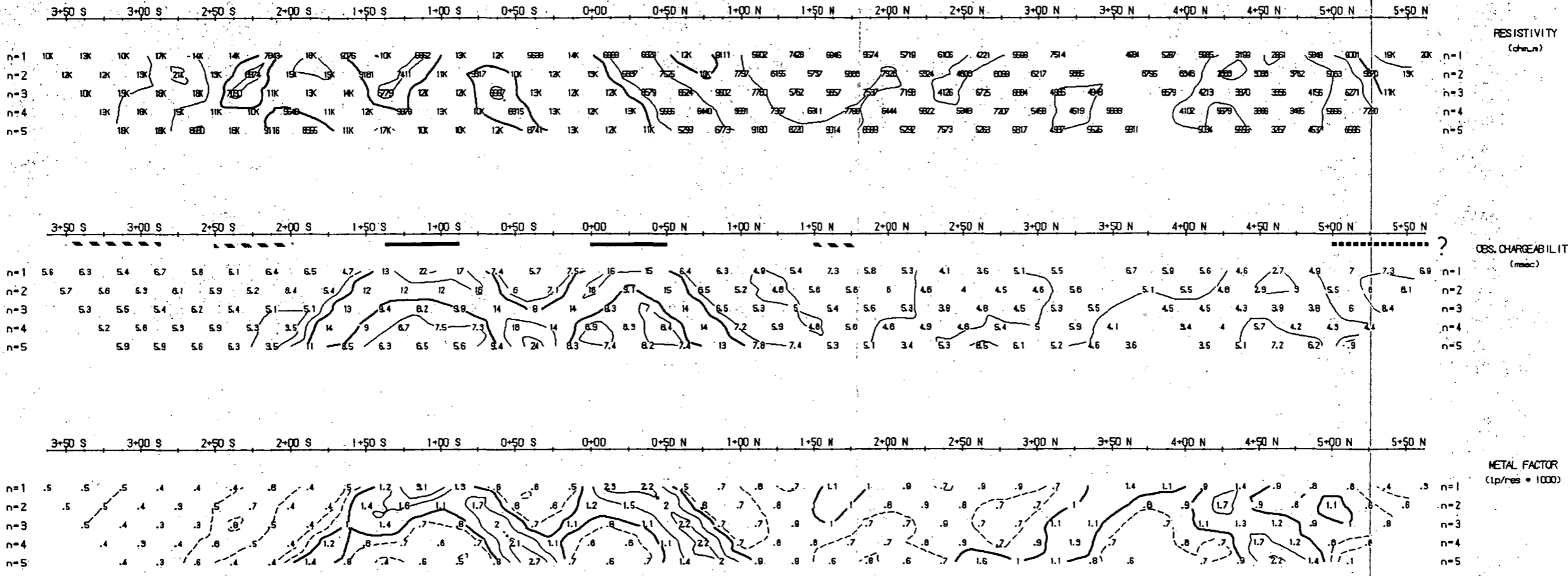
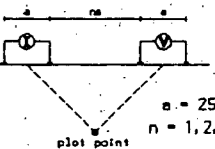
Pacific Geophysical Ltd

RESIST (16) Software for the Earth Sciences, Toronto, Canada



**Line 900 E**

Dipole-Dipole Array



Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10, ...  
 Instrument : EDA IP-6  
 Frequency : 2s ON / 2s OFF  
 Operator : PAC/KC

**INTERPRETATION**

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

**TECK EXPLORATIONS LTD**

**INDUCED POLARIZATION SURVEY**  
 Line 900 E  
 SNOWATER PROPERTY

Date: Oct 1989 NTS: 62F  
 Interpretation by: PAC/KC  
 Scale: 1 : 2500

**Pacific Geophysical Ltd**

ESISPT (1a) Software for the Earth sciences, Toronto, Canada