

**SUB-RECORDER
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VANCOUVER, B.C.

**GEOPHYSICAL ASSESSMENT REPORT
INDUCED POLARIZATION SURVEY**

**BOB CREEK PROPERTY
OMINECA MINING DIVISION
NTS 93L/7E
LATITUDE 54° 31' N
LONGITUDE 125° 38' W**

LOG NO	1027	RD
ACTION		
CLAIMS		

**GODFREY, BUCK, LORNE, HC
CLOUD, BETH 1-7, BETH 9-14**

**NORAMCO EXPLORATIONS INC.
900-999 WEST HASTINGS STREET
VANCOUVER, B.C. GEOLOGICAL BRANCH
V6W 2W2 ASSESSMENT REPORT**

19,229

**J.L. LeBel, P.Eng.
August 1989**

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J.L. LeBel, P.Eng.	

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INTRODUCTION

This report presents the results of an induced polarization (IP) geophysical survey conducted on the Bob Creek property which is being explored by Noramco Explorations Inc.

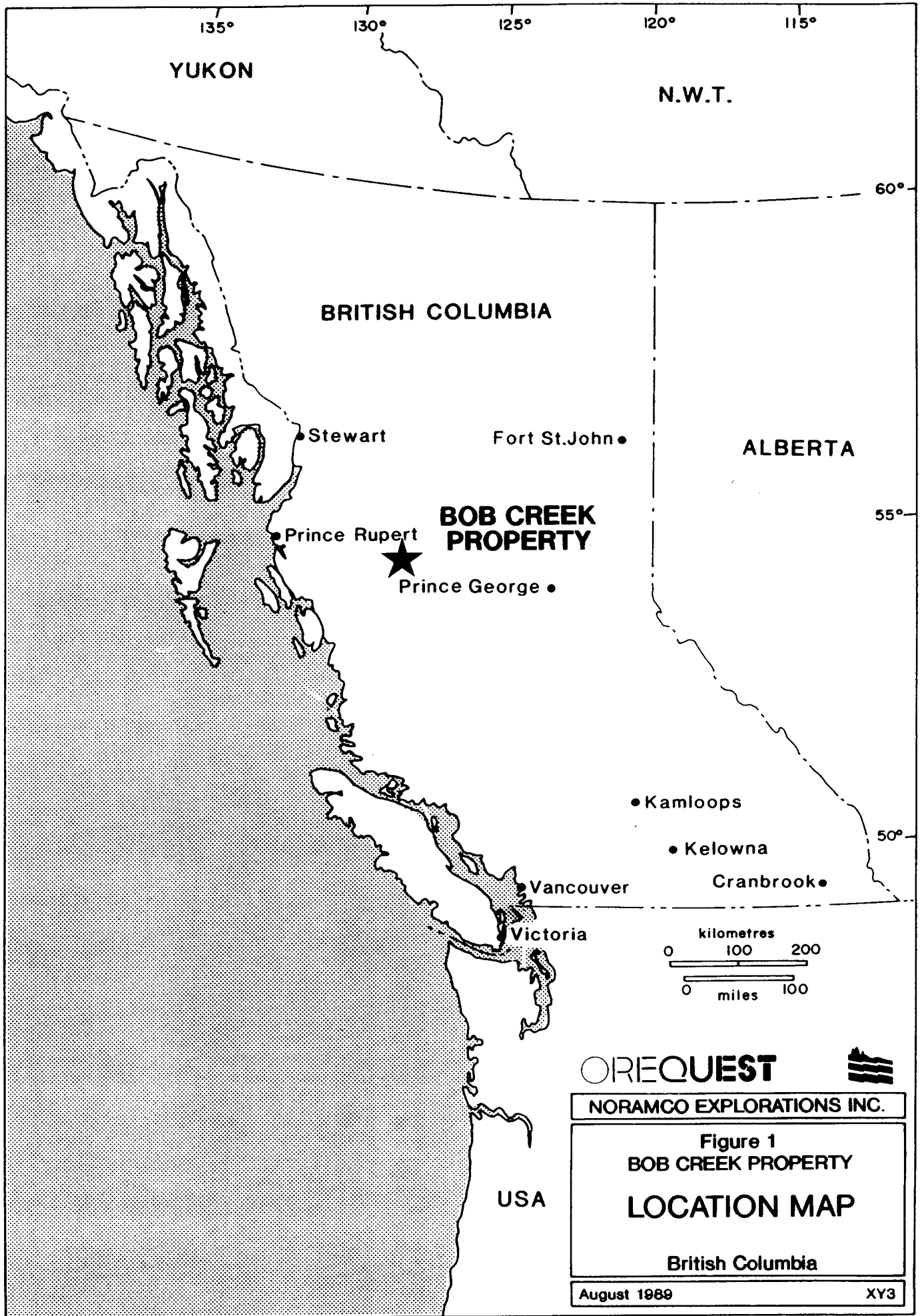
The objectives of the survey were: extend the coverage of an existing survey to the south to follow an anomaly; provide in-fill coverage between previous wide-spread lines and carry out some detailed coverage on north-south lines over a portion of the anomaly where an east-west structural (?) control was suspected. A short "calibration line" over a previous line was also surveyed because the electrode array and timing parameters of the present survey were different from the previous one.

The survey was conducted by OreQuest Consultants Ltd. between the period of August 2 - August 16, 1989. A total of 18 km of survey was affected during that time. Access for the survey was provided by chainsaw cut picket lines, new ones for the extension and detailed work and the old ones cut in 1988 for the fill-in coverage.

LOCATION AND ACCESS

The Bob Creek property is located about 13 km south of Houston, B.C. Access to the property by road from Houston is via the Buck Flats road which departs from highway 16 just west of Houston and passes through the property after about 14 km.

Forestry roads along Buck and Bob Creeks, drill roads and various farm lanes which may be overgrown with weeds provide reasonably good road access to the



interior parts of the property. During the survey it was always possible to drive to within 200 m of the survey lines.

CLAIM STATUS

The Bob Creek property consists of 18 claims entailing a total of 210 units. They are located in the Omineca Mining Division on NTS map 93L/7E centered at approximately 54° 20'N latitude and 125° 38'W longitude.

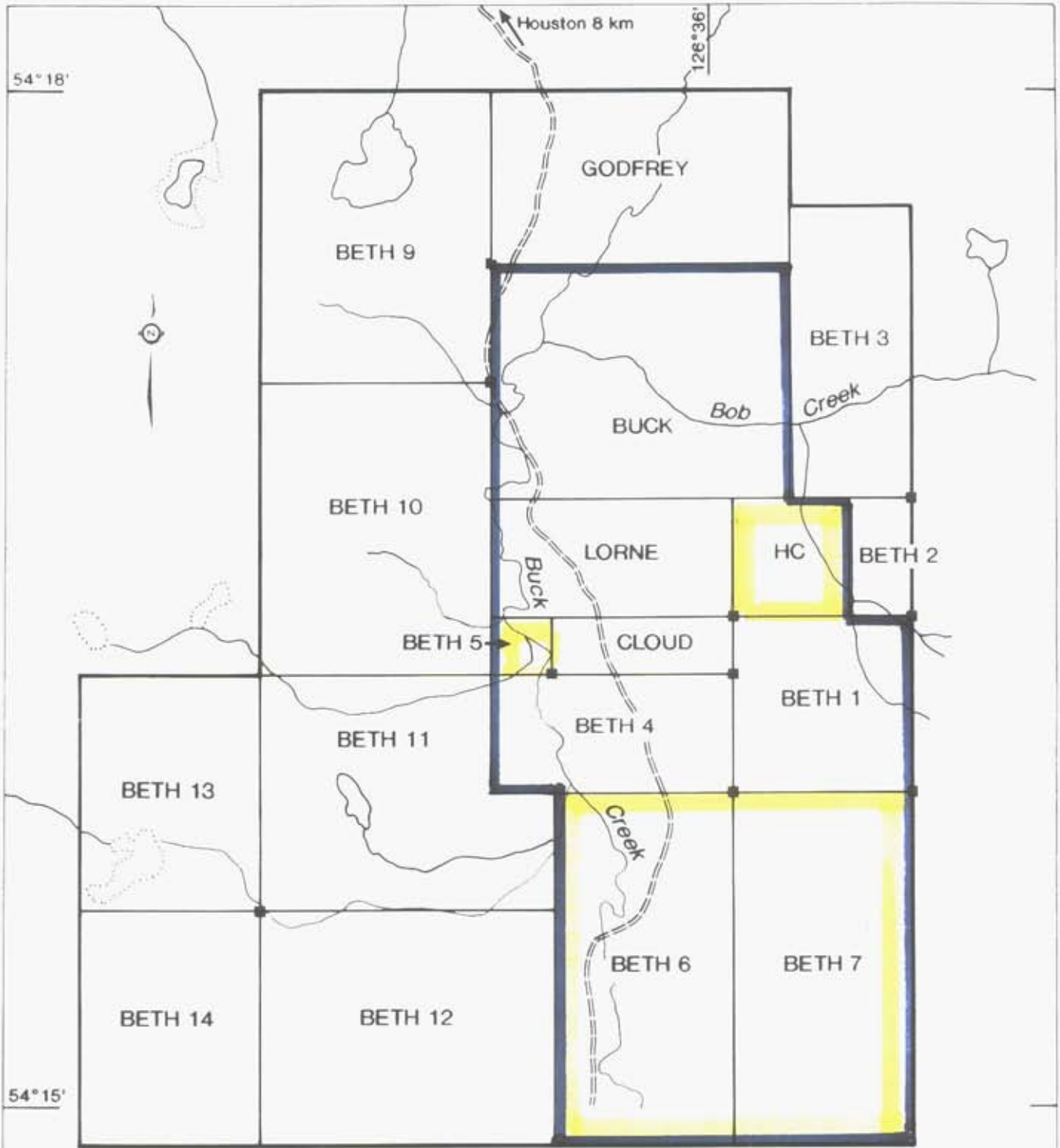
The status of the claims prior to submission for assessment of the IP survey and related linecutting described herein is as follows:

Claim Name	No. of Units	Record No.	Anniversary Date
Godfrey	5	317	June 7, 1994
Buck	20	1334	June 21, 1994
Lorne	8	1333	June 21, 1994
HC	4	1335	June 21, 1994
Cloud	3	812	October 11, 1996
Beth 1	9	3622	March 2, 1994
Beth 2	2	3623	March 2, 1994
Beth 3	10	3624	March 2, 1994
Beth 4	8	3625	March 2, 1994
Beth 5	1	3626	March 2, 1994
Beth 6	18	5526	August 12, 1989
Beth 7	18	5527	August 12, 1989
Beth 9	20	6833	January 25, 1989
Beth 10	20	6834	January 25, 1989
Beth 11	20	6835	January 25, 1989
Beth 12	20	6836	January 25, 1989
Beth 13	12	6837	January 25, 1989
Beth 14	12	6838	January 25, 1989

The extension and fill-in coverage was done on the Lorne, HC, Cloud and Beth 1 and 4 claims. The detailed IP coverage was on the Buck claim.

EQUIPMENT AND SURVEY PROCEDURES

The survey was conducted in the time domain with an EDA (BRGM) IP-2 receiver and a Phoenix IPT-1 transmitter powered by a 5 h.p. generator rated for 3 kw



54° 18'

126° 36'

Houston 8 km



54° 15'



REQUEST



NORAMCO EXPLORATIONS INC.

Figure 2
BOB CREEK PROPERTY

CLAIM MAP

British Columbia
NTS 93L/7E

August 1989

XY3

Assessment credits applied for with this report.

although in the time domain 1.5 kw is the maximum output into the ground. Timing parameters for the EDA receiver are; delay time -160 msec and integration time -1580 msec. These differed from the existing survey done on the property in 1988 which used a Hunttec M IV receiver set with a delay time of 120 msec and an integration time of 900 msec.

The dipole-dipole electrode array with an electrode spacing of 50 m for the extension and fill-in lines and an electrode spacing of 25 m for the detailed lines expanded through 4 separations was used. This differed from the existing 1988 survey which used the pole-dipole array. Current electrodes consisted of 1 m long stainless steel rods and the potential electrodes were porous pots filled with a copper sulphate solution. The survey was done by sequentially transmitting through from 6-12 pairs of current electrodes connected to centrally located transmitter while receiving through a single channel, in the case of the 50 m spacing or 2 channels, in the case of the 25 m spacing. The longest 1100 m lines could be completed by 2 such centrally located transmitter/motor generator sites.

The dipole-dipole array was used because of its superior ability to resolve small features compared to the pole-dipole array. Signal strength was found to be adequate throughout most of the survey with the exception of a scarp of Tertiary volcanics along the east side of the survey area. These volcanics exhibit very low resistivities which often made the $n=4$ data over them somewhat noisy. The volcanics form a steep scarp and their presence geophysically masked the response of the underlying bedrock and normally marked the limit of useful survey coverage anyway.

Total coverage entailed 18 km divided between 5.4 km with $a=25$ m and 12.6 km with $a=50$ m. A calibration line on an existing line (L100+00N) was run to

empirically compare the results of the present survey and the previous 1988 survey. Although the different arrays (ie. dipole=dipole for the present survey and the pole-dipole for the 1988 survey) sample a different volume of rock the resistivities were comparable, as expected. Comparison of the chargeabilities resulted in the following: $M_{1988} = 2.04 \pm 0.50$ (M_{1989})

RESULTS AND DISCUSSION

The results of the survey are presented in standard pseudosection format showing apparent resistivity in ohm-m and apparent chargeability in msec. in Appendix I. The 50 m spacing results are plotted at a scale of 1:5,000 and the 25 m spacing results are plotted at 1:2,500

Extension Lines

Seven lines were run from 8700N to 8100N to test for extensions of the existing anomalous zone.

The results identify a moderate anomaly up to 250 m wide. The most intense part of the anomaly is bordered on the east and/or west by a margin of weakly anomalous chargeabilities (for example as evident on line 8600N) or a gradational contact as evident on line 8200N. The center of the main anomaly migrates from about 10550E on line 8700N to 10700E on line 8300N. On line 8200N and 8100N the zone has migrated far enough to the east such that its eastern edge was not crossed by the survey.

Apparent resistivities are relatively uniform through the chargeability anomaly although they seem to be relatively low by most standards. Strong resistivity lows on the east ends of lines 8700N-8500N with values often less than 50 ohm-m reflect

flows of Eocene volcanics. These volcanics form a steep escarpment along the east side of the claims and apparently mark the edge of the anomalous chargeability zone but, as will be discussed later, as the demarkation is only apparent it is highly probable that the chargeability extends to the east beneath the volcanic cover.

In places there is some texture or variation within the chargeability anomaly as evidenced on lines 8700N and 8600N, where there may be 2 or 3 distinct more anomalous zones developing at separations $n=3$ and 4. These internal variations may identify mineralogical differences or they may be created by surface conditions which provide a large influence on the results. Toward the south these variations disappear and the anomaly is caused by a relatively uniform amorphous body with possibly a gradational increase in sulphide content up to 1 or 2% toward the center of the zone.

Fill-in Lines

The fill-in lines covered the anomaly where the previous survey was done on alternate lines at 200 m intervals. On a line by line basis the results are summarized as follows:

L9900N

- moderate chargeability anomaly, 200 m wide from 10100E to 10300E
- the eastern margin is a 100 m wide gradational contact
- resistivities of 200 ohm-m evident
- a slightly higher resistivity area on the west is accompanied by a modest increase in chargeability

L9700N

- relatively weak anomalous response from a zone between 10200E and 10400E
- weakness partially caused by depth estimated at 25 m
- weakly anomalous results extend toward the west
- resistivities are uniform but chargeability zone may lie at a contact between 100 ohm-m resistivities and 200 ohm-m resistivities

L9500N

- weak anomaly caused by 250 m wide zone buried at 25 m
- resistivities in zone vary from 200 to 300 ohm-m

L9300N

- relatively wide anomalous zone from 10150E to 10550E with possible double core of higher values centered at 10300E and 10475E.
- resistivities exhibit modest variations and one of the high chargeability zones may correlate with a zone of higher resistivity

L9100N

- anomalous zone at least 400 m wide
- internal texture within the anomaly cannot be explained by simple structures but patterns same as on line 8900N
- resistivities across zone are low but bland
- the chargeabilities zone may be centered on a vague contact between 200 ohm-m and 100-150 ohm-m

L8900N

- 450 m wide chargeability anomaly
- western contact is gradational
- complicated internal texture is difficult to explain using simple bodies but is almost identical to that on line 9100N
- resistivities are low and vary subtly
- there is a zone of low resistivity of less than 100 ohm-m near the center of the anomaly at 10550E.

The eastern edge of the chargeability anomaly is "created" by a zone of low resistivity which reflects a scarp of Eocene plateau volcanics. It is possible that the chargeability anomaly extends underneath the volcanics. Indeed the 1988 survey done with an array with a deeper depth of detection strongly suggests this possibility.

Detailed Survey

The detailed survey covered the area between 9750E and 10250E from 10100N to 10600N on north/south lines spaced at 50 m intervals. The lines were surveyed with a 25 m electrode spacing in an attempt to find suspected east/west control for mineralization in this particular area. Line 10250E could not be negotiated all the way to the north end at 10600N because of a steep cliff at 10500N.

Variably anomalous chargeabilities were recorded on all of the 12 detailed lines to identify a large anomaly which is consistent with the 1988 survey results. The southern edge of the anomaly is only really evident on lines 9900E to 9750E in the vicinity of 10300N to 10350N. The apparent end of the anomaly is also accompanied by a dramatic reduction in resistivity which suggests that geology

changes along with the reduction in sulphide content. Some of the detailed variations within the anomaly and variations in apparent resistivity are repetitive from line to line so it is possible that a local east/west control exists. Overall, however, the obvious north/south control on the entire anomaly on the property cannot be denied.

There are several features present that may be of economic importance. These include:

- 1) the numerous zones of higher than average chargeability within the anomaly indicative of local increases in sulphide content
- 2) a resistivity high/chargeability high feature indicative of possibly a more siliceous and sulphide rich part of the system located at; 10200E, 10425N; possibly at 10150E, 10450N; 10100E, 10500N; 10050E, 10475N and 10000E, 10450N.
- 3) a zone of low resistivity within the chargeability anomaly at 9900E, 10375; 9950E, 10375N and 1000N, 10375N which may identify the trace of a fault.

A study incorporating the result of the survey and the results of the various drilling done on the property and possibly the results of a magnetic survey done in conjunction with the 1988 IP survey is necessary to determine which IP features may be of interest.

CONCLUSIONS

The IP survey conducted on the Bob Creek property successfully extended the existing anomaly outlined in 1988 by an additional 600 m. The anomaly now extends for 2.5 km from 10600N to 8100N.

Fill-in coverage between previous 200 m wide spaced lines confirmed the presence of the anomaly. The survey which was done with the dipole-dipole electrode array appears to have resolved some variations in chargeabilities within the anomaly not evident in the 1988 survey which was done with the pole-dipole array. The cause and economic significance of these internal variations are not known.

Detailed coverage on north/south lines was done over a portion of the existing anomaly. Line to line correlation of some of the chargeability and resistivity features in this area suggest that an east/west control, as opposed to the north/south control on the anomaly in general, may indeed exist. Some features such as chargeable and high resistivity zones and low resistivity zones evident in the detailed results may be important with respect to the gold mineralization obtained in drilling in the area.

A study incorporating the results of the IP survey, the results of the diamond drilling and possibly the results of the magnetic survey done in conjunction with the 1988 IP survey is necessary to determine the correlation between mineralization and geophysical features.

The present survey and the existing 1988 survey were done with different receivers with different timing parameters so the chargeability values are different.

The results from a calibration line indicate that the 1988 chargeability values are about two times the 1989 values.

STATEMENT OF COSTSUp to August 12, 1989

Line Cutting	\$ 4,992.75
IP Survey - 1 day @ \$1000/day	
- 10 days @ \$1350	<u>14,500.00</u>
	\$19,492.75

After August 12, 1989

IP Survey - 4 days @ \$1350/day	\$ 5,400.00
Report Costs	<u>1,500.00</u>
	\$ 5,900.00

Grand Total	\$26,392.75
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STATEMENT OF QUALIFICATIONS

J.L. LeBel, P.Eng.

Education: B.Sc. 1971, Geological Engineering
Queens University
Faculty of Applied Science

M.Sc. 1973, Geophysics
University of Manitoba
Department of Earth Sciences

Work Experience: 1968 - 1972; Summer Jobs
Geological Survey of Canada
St. Lawrence Columbian Ltd.
Amax Exploration, Gulf Minerals

Duties ranged from geological assistant to geophysical operator
to party chief of 4-man exploration team

1973; Scintrex Surveys Ltd.
Junior Geophysicist
Responsible for implementation and interpretation of
geophysical surveys in Canada, U.S. and Central America

1974 - 1982; Amax Exploration Staff Geophysicist
Responsible for planning, organizing, carrying-out and
reporting on geophysical surveys in Canada, the U.S. and Europe
for many commodities in diverse geological environments

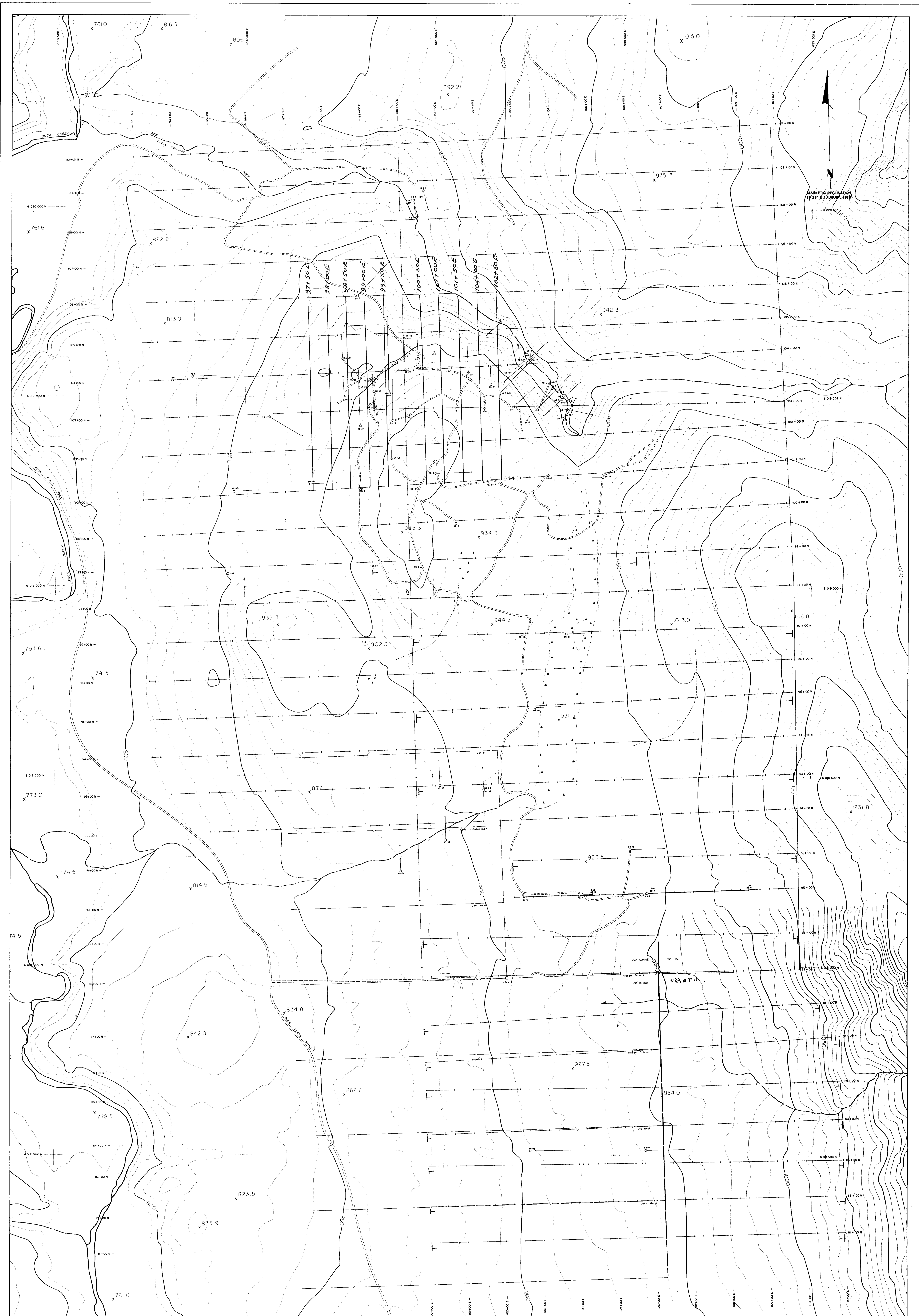
1983 - 1985; MPH Consulting Limited
Senior Geophysical Consultant
Planning, implementation and reporting on geophysical surveys
for many clients throughout Canada and the U.S.

1986 - Present; OreQuest Consultants Ltd.
Exploration Consultant
Planning, implementation and reporting on exploration projects
from grass roots sampling to diamond drilling to ore reserve
calculations on projects in Canada and the U.S.

REFERENCES

WRIGHT, J.L.

1988: Bob Creek Property, Magnetometer and Induced Polarization Surveys, Omineca Mining Division Claims, Godfrey, Buck, Lorne, HC, Cloud, Beth 1-7, Beth 9-14, NTS 93L/7E, Latitude 54.3°N, Longitude 125.633°W, Operator Noramco Mining Corp. 900 - 999 West Hastings Street, Vancouver, B.C., V6C 2W2.



MAGNETIC DECLINATION IS 24° E / AUGUST, 1989

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

1989 IP
Survey Coverage

- Topographic contour, metres
- Creek
- All weather road
- 4-wheel drive road
- Picket line, metric grid
- + UTM grid coordinates
- Orthophoto control point, elevation in metres
- Diamond drill hole
- Legal corner post, mineral claim
- Private land/owner
- Swamp

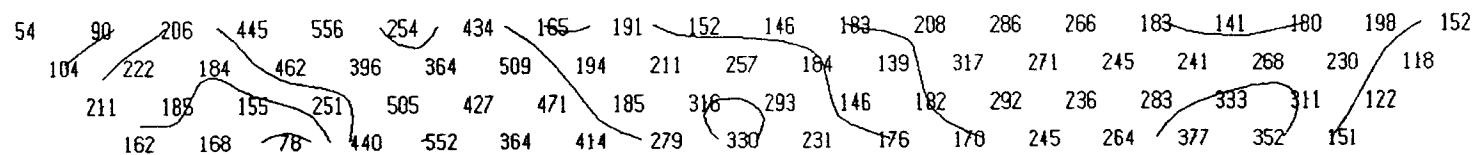
1989

**ROYALSTAR RESOURCES LTD.
BOB CREEK PROJECT**
LOCATION MAP
1989 IP
SURVEY LINES

Scale	To Accompany	
Date	Drawn By	Drafted By
NTS 32L/7E	Project No.	FIGURE

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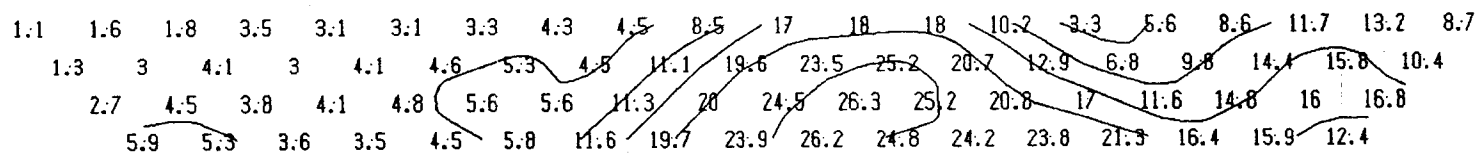
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RHOA (ohm-m)



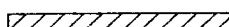
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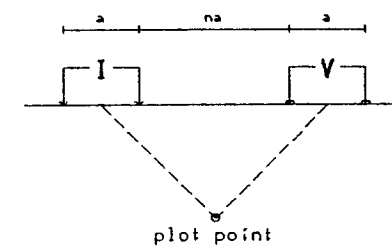
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MA (msec)

LEGEND

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Tx Phoenix IPT-1
ELECTRODE ARRAY: Dipole-Dipole
ELECTRODE SPACING: a=50m.
CHARGEABILITY ANOMALY:
Strong 
Moderate 
Weak 



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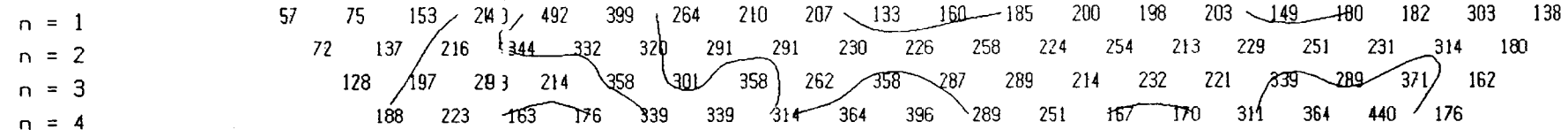


NORAMCO EXPLORATIONS INC
BOB CREEK PROPERTY

IP SURVEY -
LINE 8400 N

OREQUEST CONSULTANTS LTD

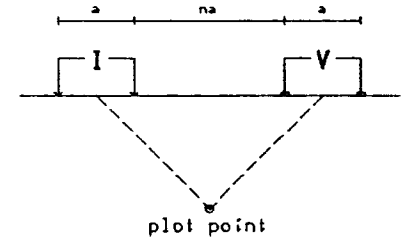
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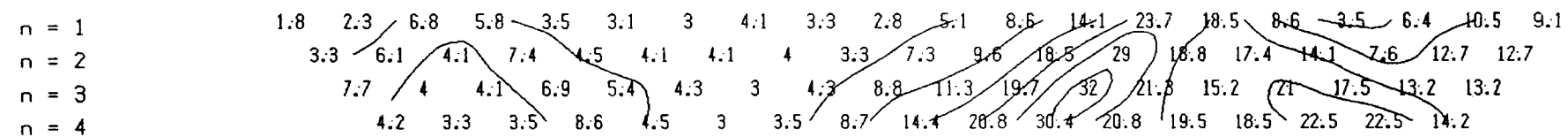
RHOA (ohm-m)

LEGEND

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 Tx Phoenix IPT-1
 ELECTRODE ARRAY: Dipole-Dipole
 ELECTRODE SPACING: a=50m.
 CHARGEABILITY ANOMALY:
 Strong
 Moderate
 Weak



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MA (msec)

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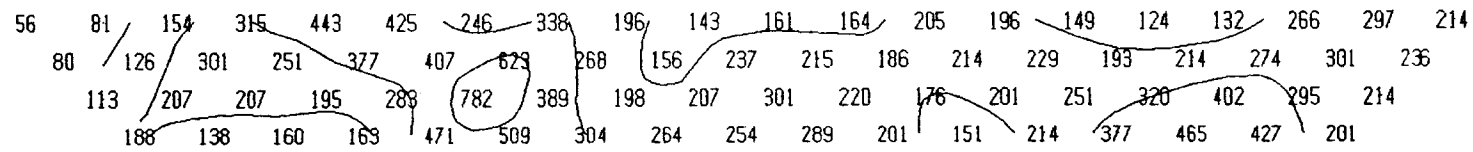
NORAMCO EXPLORATIONS INC
 BOB CREEK PROPERTY

IP SURVEY -
 LINE 8300 N

OREQUEST CONSULTANTS LTD

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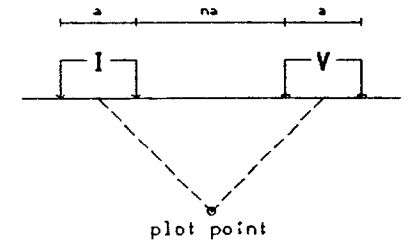
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RHOA (ohm-m)

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ELECTRODE ARRAY: Dipole-Dipole
ELECTRODE SPACING: a=50m.
CHARGEABILITY ANOMALY:
Strong
Moderate
Weak

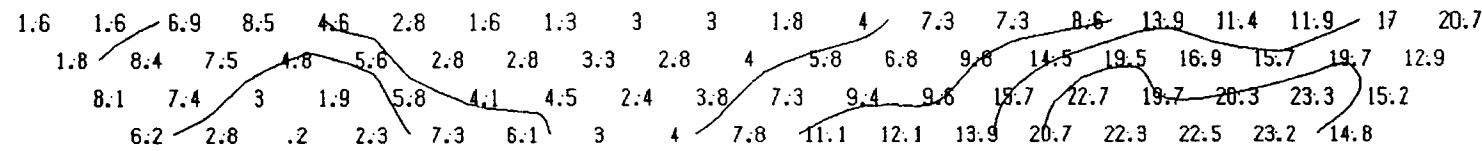


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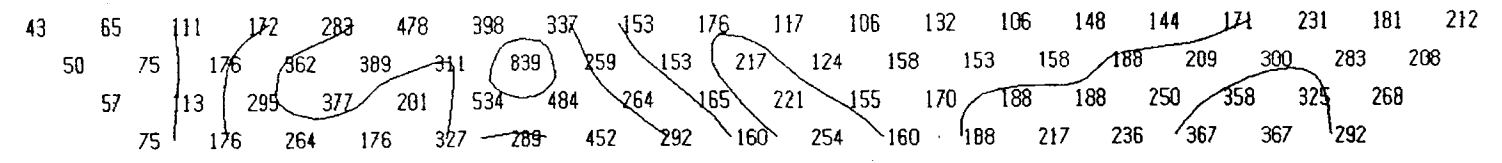
NORAMCO EXPLORATIONS INC
BOB CREEK PROPERTY

IP SURVEY -
LINE 8200 N

OREQUEST CONSULTANTS LTD

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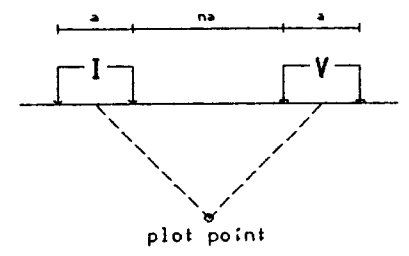
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RHOA (ohm-m)

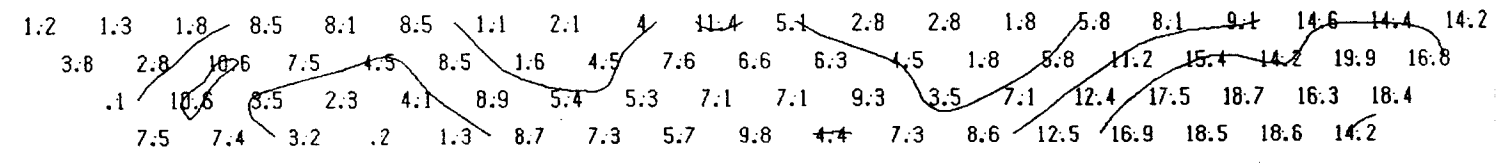
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Tx Phoenix IPT-1
ELECTRODE ARRAY: Dipole-Dipole
ELECTRODE SPACING: a=50m.
CHARGEABILITY ANOMALY:
Strong
Moderate
Weak



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MA (msec)

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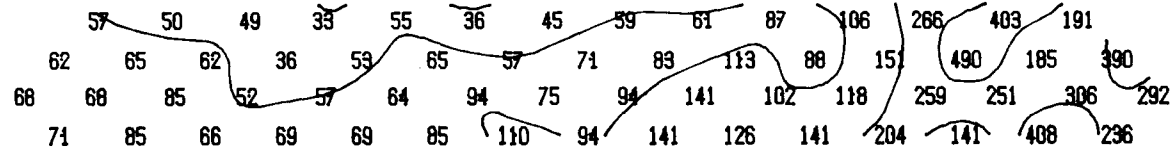
NORAMCO EXPLORATIONS INC
BOB CREEK PROPERTY

IP SURVEY -
LINE 8100 N

OREQUEST CONSULTANTS LTD




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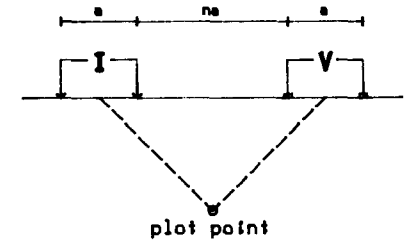
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RH0A (ohm-m)

LEGEND

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Tx Phoenix IPT-1
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ELECTRODE SPACING: a=25m.
CHARGEABILITY ANOMALY:
Strong 
Moderate 
Weak 

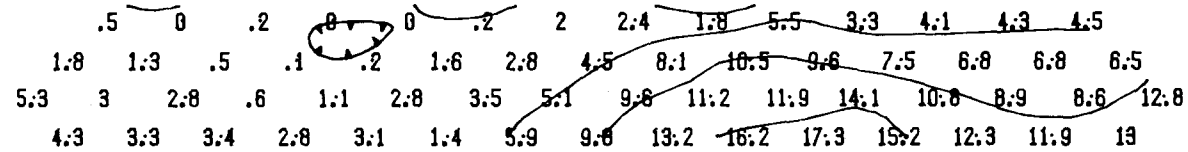


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MA (msec)

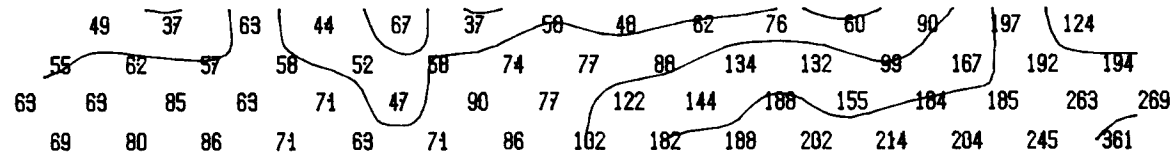
NORAMCO EXPLORATIONS INC
BOB CREEK PROPERTY

IP SURVEY
LINE 9750 E

OREQUEST CONSULTANTS LTD




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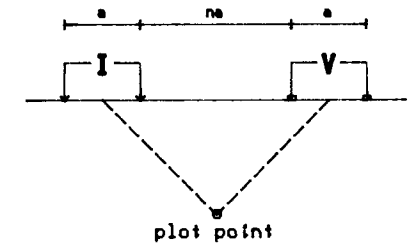
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RHOA (ohm-m)

LEGEND

INSTRUMENTS: Rx EDA IP-2
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ELECTRODE ARRAY: Dipole-Dipole
ELECTRODE SPACING: a=25m.
CHARGEABILITY ANOMALY:
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Moderate 
Weak 

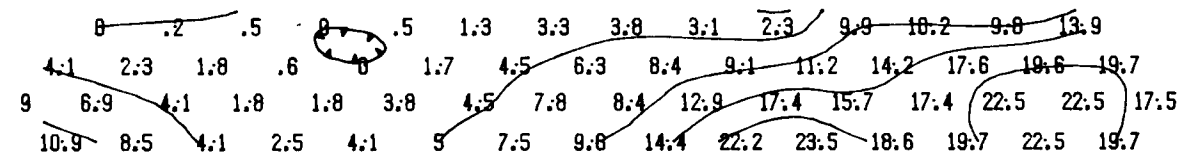


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MA (msec)

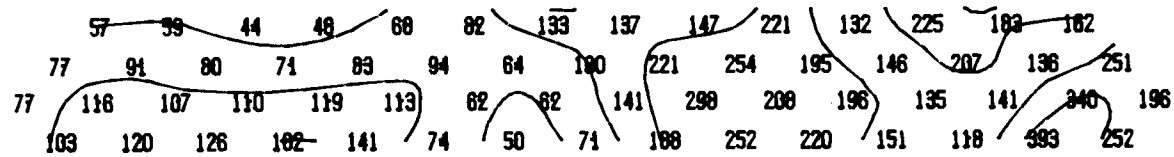
NORAMCO EXPLORATIONS INC
BOB CREEK PROPERTY

IP SURVEY
LINE 9800 E

OREQUEST CONSULTANTS LTD




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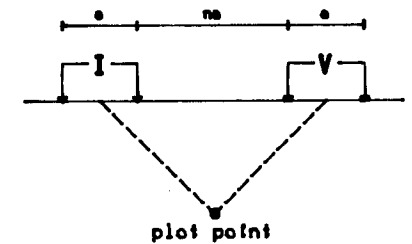
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n = 4



RHOA (ohm-m)

LEGEND

INSTRUMENTS: Rx EDA IP-2
Tx Phoenix IPT-1
ELECTRODE ARRAY: Dipole-Dipole
ELECTRODE SPACING: a=25m.
CHARGEABILITY ANOMALY:
Strong 
Moderate 
Weak 

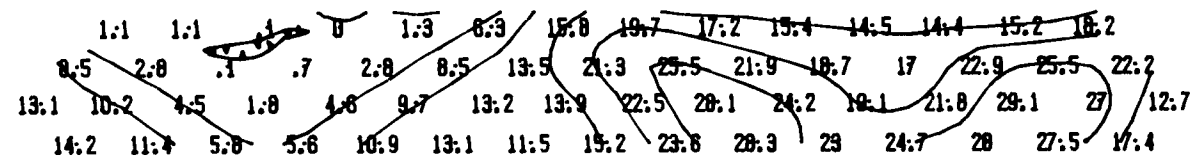


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n = 3
n = 4



MA (msec)

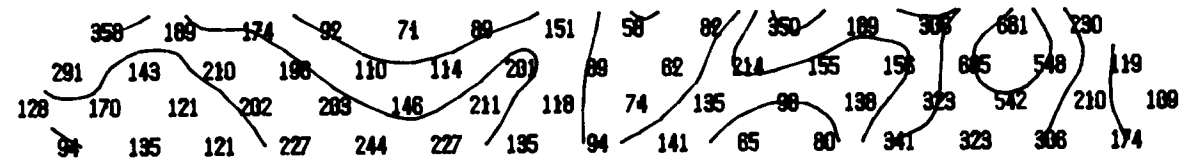
NGRAMCO EXPLORATIONS INC
BOB CREEK PROPERTY

IP SURVEY
LINE 9850 E

OREQUEST CONSULTANTS LTD




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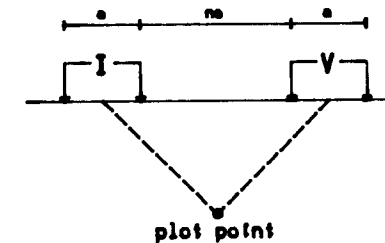
n = 1
n = 2
n = 3
n = 4



RHOA (ohm-m)

LEGEND

INSTRUMENTS: Rx EDA IP-2
Tx Phoenix IPT-1
ELECTRODE ARRAY: Dipole-Dipole
ELECTRODE SPACING: a=25m.
CHARGEABILITY ANOMALY:
Strong 
Moderate 
Weak 

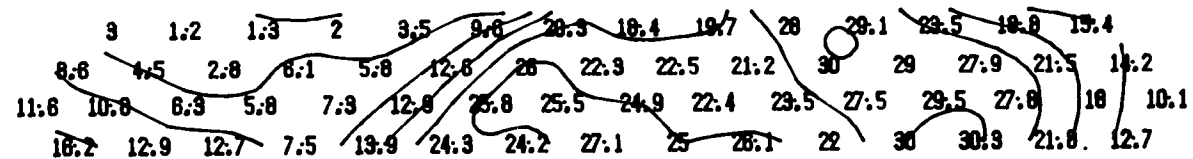


SCALE 1:2500



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n = 1
n = 2
n = 3
n = 4



MA (msec)

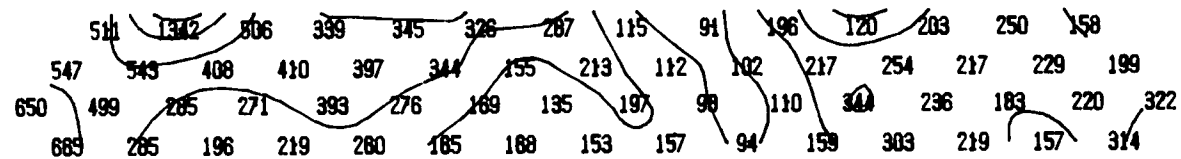
NORAMCO EXPLORATIONS INC
BOB CREEK PROPERTY

IP SURVEY
LINE 9900 E

OREQUEST CONSULTANTS LTD




10100 N 10150 N 10200 N 10250 N 10300 N 10350 N 10400 N 10450 N 10500 N 10550 N 10600 N

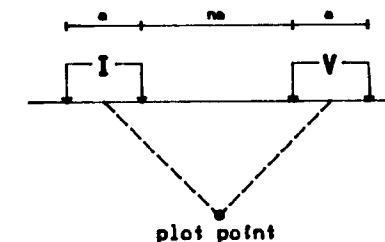
n = 1
n = 2
n = 3
n = 4



RHOA (ohm-m)

LEGEND

INSTRUMENTS: Rx EDA IP-2
Tx Phoenix IPT-1
ELECTRODE ARRAY: Dipole-Dipole
ELECTRODE SPACING: a=25m.
CHARGEABILITY ANOMALY:
Strong 
Moderate 
Weak 

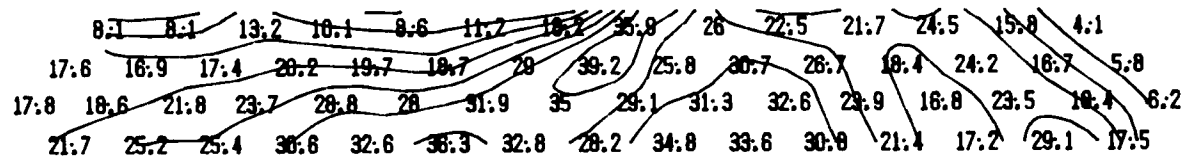


SCALE 1:2500



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n = 1
n = 2
n = 3
n = 4



MA (msec)

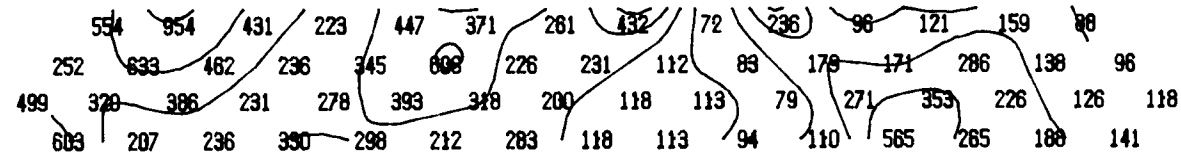
NORAMCO EXPLORATIONS INC
BOB CREEK PROPERTY

IP SURVEY
LINE 9950 E

CREQUEST CONSULTANTS LTD


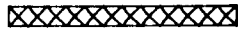

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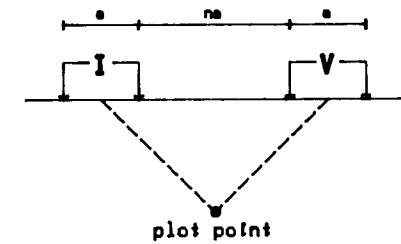
n = 1
n = 2
n = 3
n = 4



RHOA (ohm-m)

LEGEND

INSTRUMENTS: Rx EDA IP-2
Tx Phoenix IPT-1
ELECTRODE ARRAY: Dipole-Dipole
ELECTRODE SPACING: a=25m.
CHARGEABILITY ANOMALY:
Strong 
Moderate 
Weak 

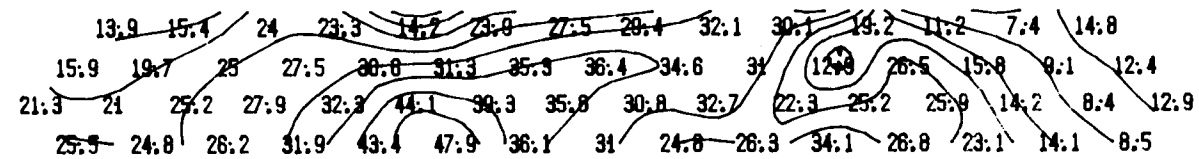


SCALE 1:2500



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n = 1
n = 2
n = 3
n = 4



MA (msec)

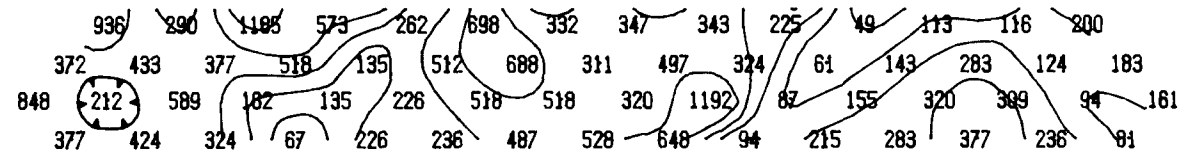
NORAMCO EXPLORATIONS INC
BOB CREEK PROPERTY

IP SURVEY
BL 10000 E

OREQUEST CONSULTANTS LTD




10100 N 10150 N 10200 N 10250 N 10300 N 10350 N 10400 N 10450 N 10500 N 10550 N 10600 N

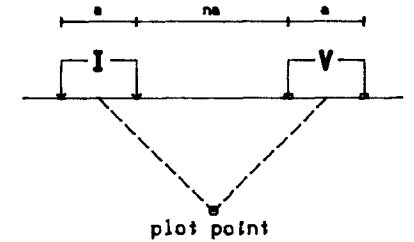
n = 1
n = 2
n = 3
n = 4



RHOA (ohm-m)

LEGEND

INSTRUMENTS: Rx EDA IP-2
Tx Phoenix IPT-1
ELECTRODE ARRAY: Dipole-Dipole
ELECTRODE SPACING: a=25m.
CHARGEABILITY ANOMALY:
Strong 
Moderate 
Weak 

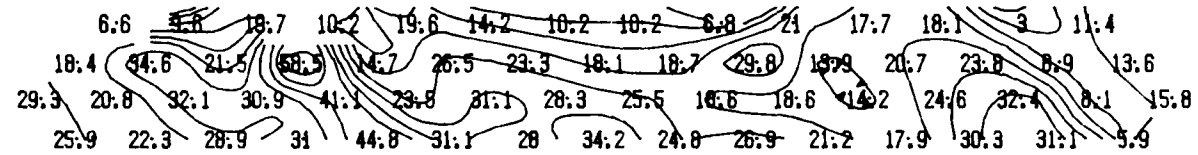


SCALE 1:2500



10100 N 10150 N 10200 N 10250 N 10300 N 10350 N 10400 N 10450 N 10500 N 10550 N 10600 N

n = 1
n = 2
n = 3
n = 4



MA (msec)

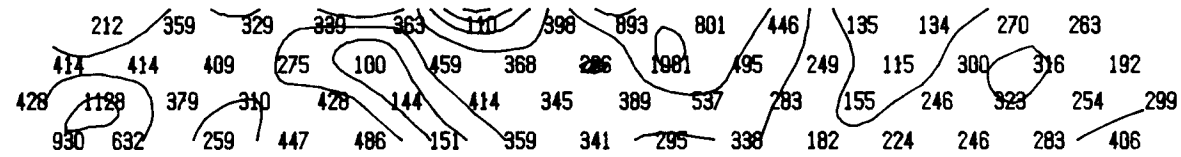
NORAMCO EXPLORATIONS INC
BOB CREEK PROPERTY

IP SURVEY
LINE 10050 E

OREQUEST CONSULTANTS LTD




10100 N 10150 N 10200 N 10250 N 10300 N 10350 N 10400 N 10450 N 10500 N 10550 N 10600 N

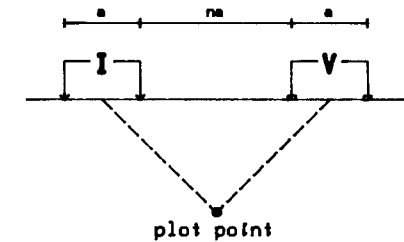
n = 1
n = 2
n = 3
n = 4



RHOA (ohm-m)

LEGEND

INSTRUMENTS: Rx EDA IP-2
Tx Phoenix IPT-1
ELECTRODE ARRAY: Dipole-Dipole
ELECTRODE SPACING: a=25m.
CHARGEABILITY ANOMALY:
Strong 
Moderate 
Weak 

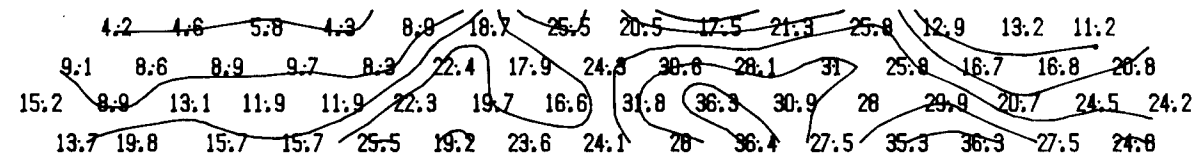


SCALE 1:2500



10100 N 10150 N 10200 N 10250 N 10300 N 10350 N 10400 N 10450 N 10500 N 10550 N 10600 N

n = 1
n = 2
n = 3
n = 4



MA (msec)

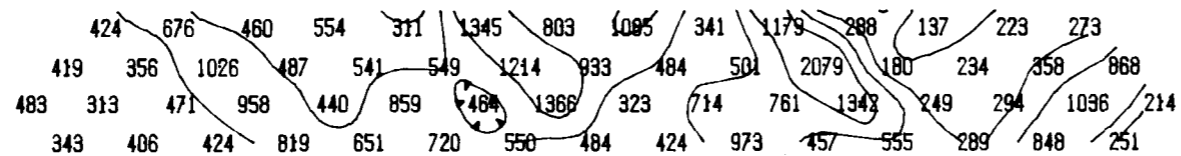
NORAMCO EXPLORATIONS INC
BOB CREEK PROPERTY

IP SURVEY
LINE 10150 E

OREQUEST CONSULTANTS LTD




10100 N 10150 N 10200 N 10250 N 10300 N 10350 N 10400 N 10450 N 10500 N 10550 N 10600 N

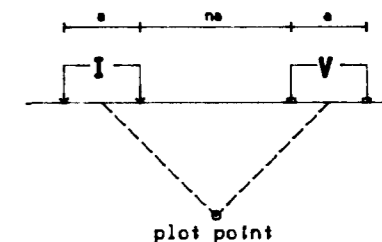
n = 1
n = 2
n = 3
n = 4



RHOA (ohm-m)

LEGEND

INSTRUMENTS: Rx EDA IP-2
Tx Phoenix IPT-1
ELECTRODE ARRAY: Dipole-Dipole
ELECTRODE SPACING: a=25m.
CHARGEABILITY ANOMALY:
Strong 
Moderate 
Weak 

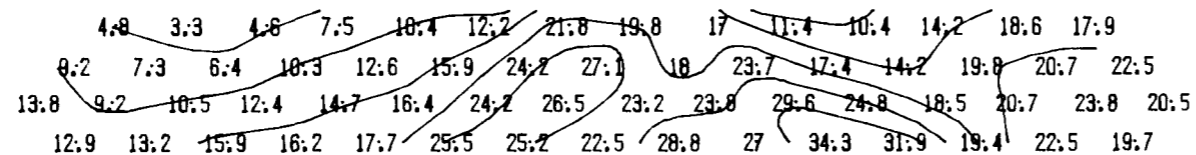


SCALE 1:2500



10100 N 10150 N 10200 N 10250 N 10300 N 10350 N 10400 N 10450 N 10500 N 10550 N 10600 N

n = 1
n = 2
n = 3
n = 4



MA (msec)

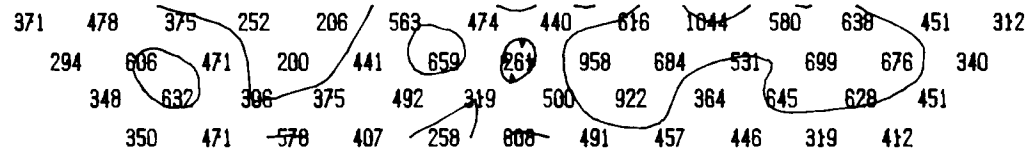
NORAMCO EXPLORATIONS INC
BOB CREEK PROPERTY

IP SURVEY
LINE 10200 E

OREQUEST CONSULTANTS LTD




10100 N 10150 N 10200 N 10250 N 10300 N 10350 N 10400 N 10450 N 10500 N

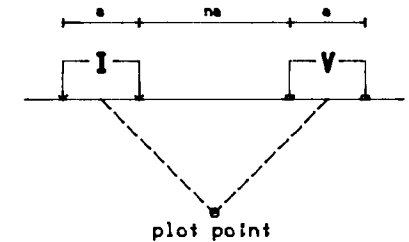
n = 1
n = 2
n = 3
n = 4



RHQA (ohm-m)

LEGEND

INSTRUMENTS: Rx EDA IP-2
Tx Phoenix IPT-1
ELECTRODE ARRAY: Dipole-Dipole
ELECTRODE SPACING: a=25m.
CHARGEABILITY ANOMALY:
Strong 
Moderate 
Weak 

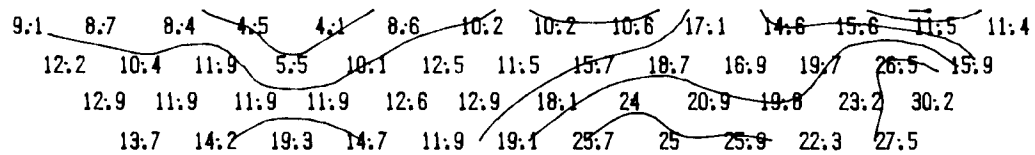


SCALE 1:2500



10100 N 10150 N 10200 N 10250 N 10300 N 10350 N 10400 N 10450 N 10500 N

n = 1
n = 2
n = 3
n = 4



MA (msec)

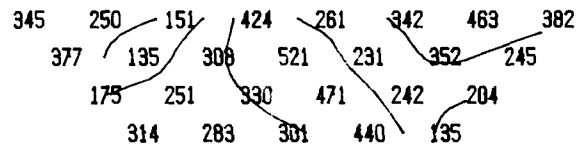
NORAMCO EXPLORATIONS INC
BOB CREEK PROPERTY

IP SURVEY
LINE 10250 E

OREQUEST CONSULTANTS LTD




10000 E 10100 E 10200 E 10300 E 10400 E

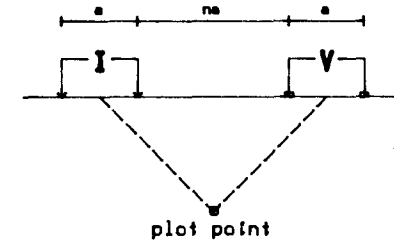
n = 1
n = 2
n = 3
n = 4



RHOA (ohm-m)

LEGEND

INSTRUMENTS: Rx EDA IP-2
Tx Phoenix IPT-1
ELECTRODE ARRAY: Dipole-Dipole
ELECTRODE SPACING: a=50m.
CHARGEABILITY ANOMALY:
Strong 
Moderate 
Weak 



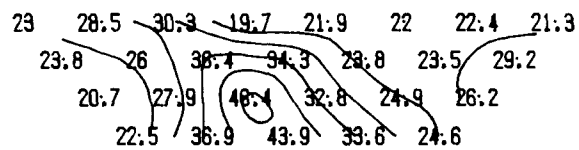
SCALE 1:5000

100 50 0 100 200



10000 E 10100 E 10200 E 10300 E 10400 E

n = 1
n = 2
n = 3
n = 4



MA (msec)

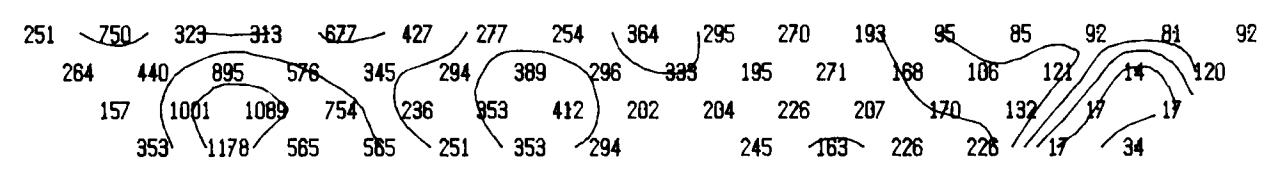
NORAMCO EXPLORATIONS INC
BOB CREEK PROPERTY

IP SURVEY
LINE 10000 N
CALIBRATION LINE

OREQUEST CONSULTANTS LTD




9800 E 9900 E 10000 E 10100 E 10200 E 10300 E 10400 E 10500 E 10600 E 10700 E

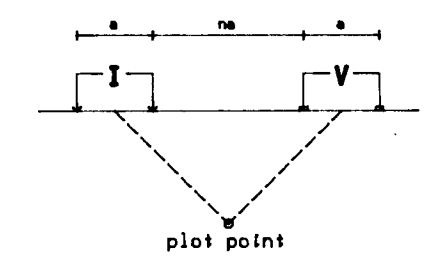
n = 1
n = 2
n = 3
n = 4



RHOA (ohm-m)

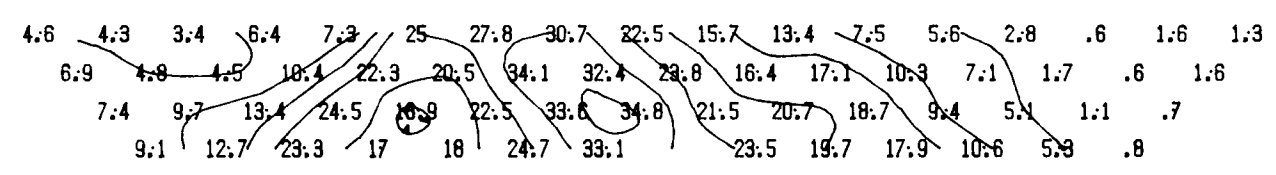
LEGEND

INSTRUMENTS: Rx EDA IP-2
Tx Phoenix IPT-1
ELECTRODE ARRAY: Dipole-Dipole
ELECTRODE SPACING: a=50m.
CHARGEABILITY ANOMALY:
Strong 
Moderate 
Weak 



9800 E 9900 E 10000 E 10100 E 10200 E 10300 E 10400 E 10500 E 10600 E 10700 E

n = 1
n = 2
n = 3
n = 4



MA (msec)

SCALE 1:5000



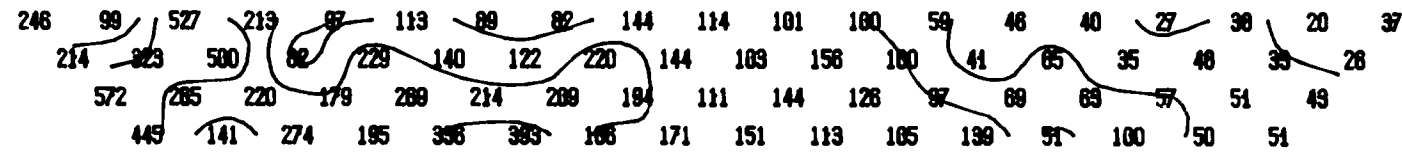
NORAMCO EXPLORATIONS INC
BOB CREEK PROPERTY

IP SURVEY
LINE 9900 N

OREQUEST CONSULTANTS LTD




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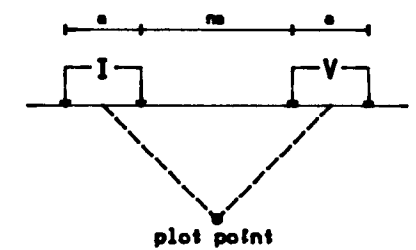
n = 1
n = 2
n = 3
n = 4



RHGA (ohm-m)

LEGEND

INSTRUMENTS: Rx EDA IP-2
Tx Phoenix IPT-1
ELECTRODE ARRAY: Dipole-Dipole
ELECTRODE SPACING: a=50m.
CHARGEABILITY ANOMALY:
Strong 
Moderate 
Weak 

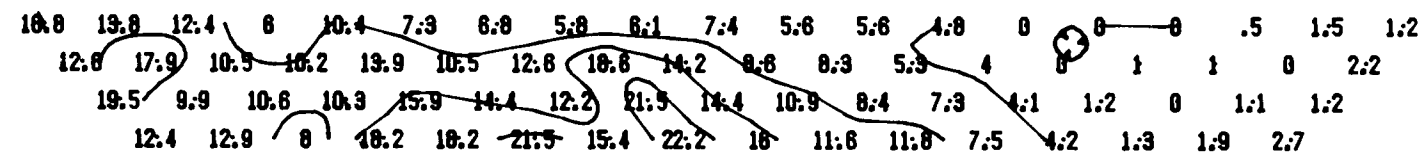


SCALE 1:5000



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n = 1
n = 2
n = 3
n = 4



MA (msec)

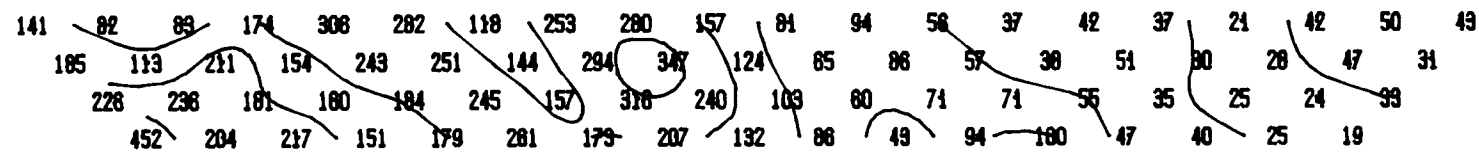
NORAMCO EXPLORATIONS INC
BOB CREEK PROPERTY

IP SURVEY
LINE 9700 N

OREQUEST CONSULTANTS LTD




9900 E 10000 E 10100 E 10200 E 10300 E 10400 E 10500 E 10600 E 10700 E 10800 E 10900 E 11000 E

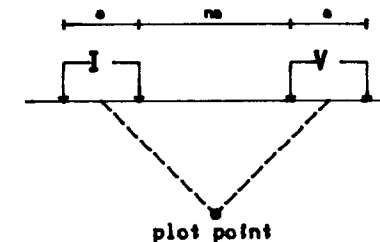
n = 1
n = 2
n = 3
n = 4



RHOA (ohm-m)

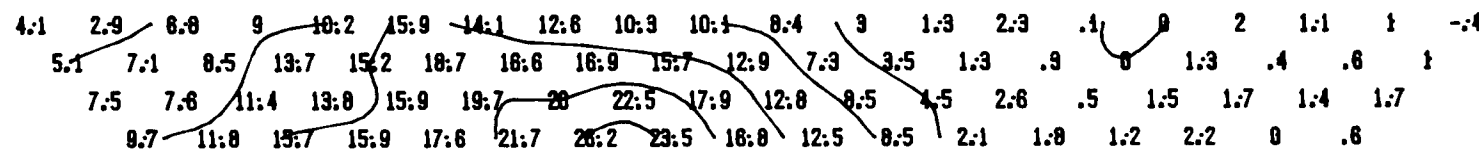
LEGEND

INSTRUMENTS: Rx EDA IP-2
Tx Phoenix IPT-1
ELECTRODE ARRAY: Dipole-Dipole
ELECTRODE SPACING: a=50m.
CHARGEABILITY ANOMALY:
Strong 
Moderate 
Weak 



9900 E 10000 E 10100 E 10200 E 10300 E 10400 E 10500 E 10600 E 10700 E 10800 E 10900 E 11000 E

n = 1
n = 2
n = 3
n = 4



MA (msec)

SCALE 1:5000



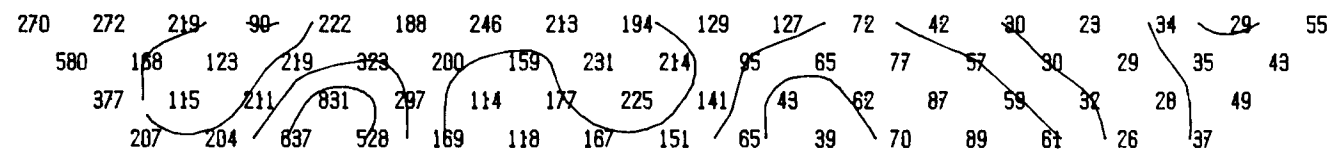
NORAMCO EXPLORATIONS INC
BOB CREEK PROPERTY

IP SURVEY
LINE 9500 N

OREQUEST CONSULTANTS LTD




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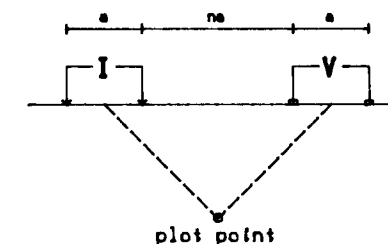
n = 1
n = 2
n = 3
n = 4



RHOA (ohm-m)

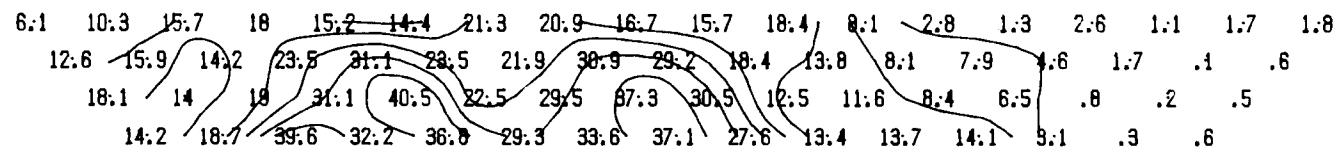
LEGEND

INSTRUMENTS: Rx EDA IP-2
Tx Phoenix IPT-1
ELECTRODE ARRAY: Dipole-Dipole
ELECTRODE SPACING: a=50m.
CHARGEABILITY ANOMALY:
Strong 
Moderate 
Weak 



10000 E 10100 E 10200 E 10300 E 10400 E 10500 E 10600 E 10700 E 10800 E 10900 E 11000 E

n = 1
n = 2
n = 3
n = 4



MA (msec)

SCALE 1:5000

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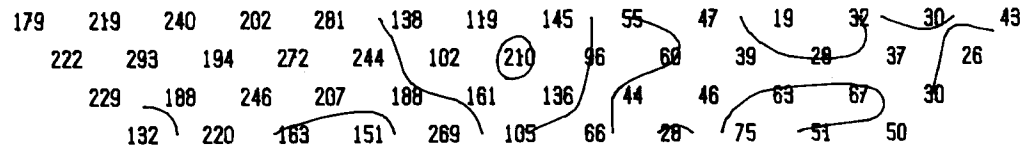
NORAMCO EXPLORATIONS INC
BOB CREEK PROPERTY

IP SURVEY
LINE 9300 N

CREQUEST CONSULTANTS LTD




10200 E 10300 E 10400 E 10500 E 10600 E 10700 E 10800 E 10900 E 11000 E

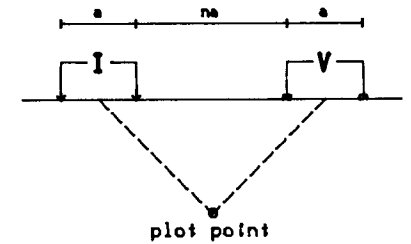
n = 1
n = 2
n = 3
n = 4



RHGA (ohm-m)

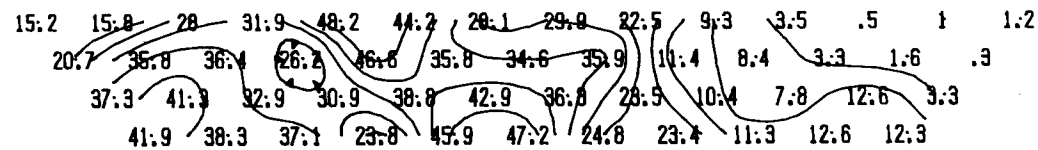
LEGEND

INSTRUMENTS: Rx EDA IP-2
Tx Phoenix IPT-1
ELECTRODE ARRAY: Dipole-Dipole
ELECTRODE SPACING: a=50m.
CHARGEABILITY ANOMALY:
Strong 
Moderate 
Weak 



10200 E 10300 E 10400 E 10500 E 10600 E 10700 E 10800 E 10900 E 11000 E

n = 1
n = 2
n = 3
n = 4



MA (msec)

SCALE 1:5000



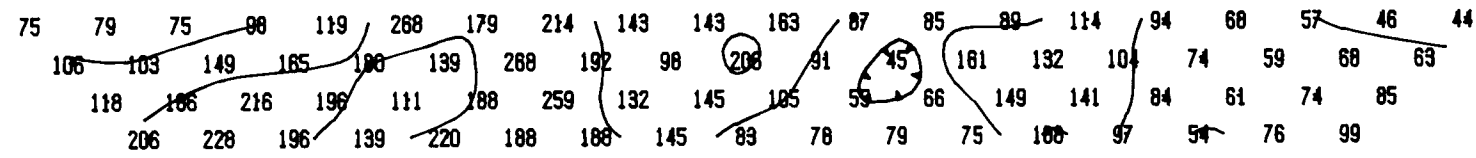
NORAMCO EXPLORATIONS INC
BOB CREEK PROPERTY

IP SURVEY
LINE 9100 N

OREQUEST CONSULTANTS LTD

9900 E 10000 E 10100 E 10200 E 10300 E 10400 E 10500 E 10600 E 10700 E 10800 E 10900 E 11000 E

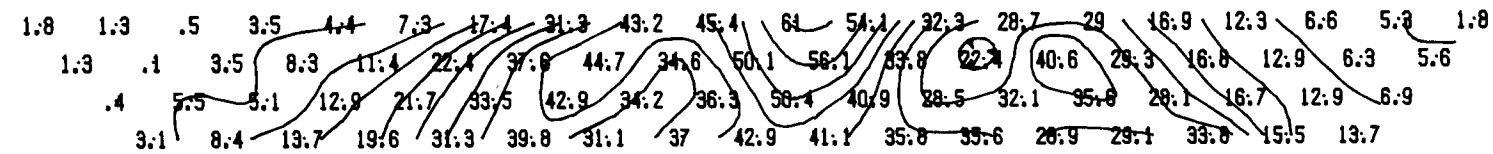
n = 1
n = 2
n = 3
n = 4



RHGA (ohm-m)




9900 E 10000 E 10100 E 10200 E 10300 E 10400 E 10500 E 10600 E 10700 E 10800 E 10900 E 11000 E

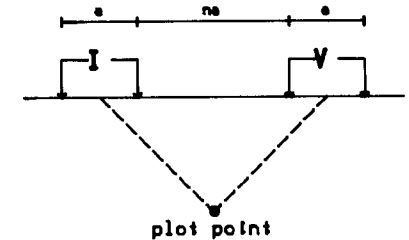
n = 1
n = 2
n = 3
n = 4



MA (msec)

LEGEND

INSTRUMENTS: Rx EDA IP-2
Tx Phoenix IPT-1
ELECTRODE ARRAY: Dipole-Dipole
ELECTRODE SPACING: a=50m.
CHARGEABILITY ANOMALY:
Strong 
Moderate 
Weak 



SCALE 1:5000

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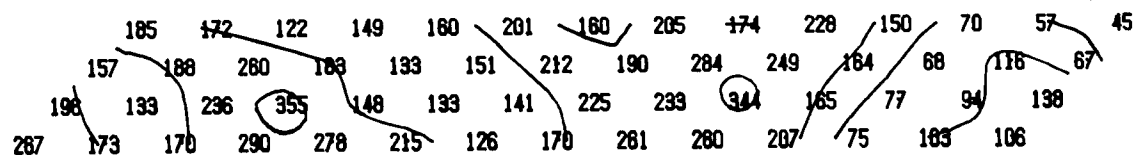
NORAMCO EXPLORATIONS INC
BOB CREEK PROPERTY

IP SURVEY
LINE 8900 N

CREQUEST CONSULTANTS LTD

10200 E 10300 E 10400 E 10500 E 10600 E 10700 E 10800 E 10900 E 11000 E 11100 E

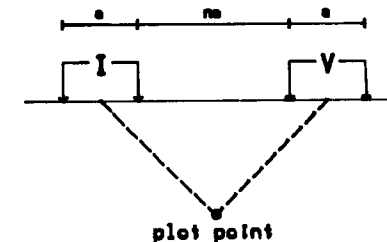
n = 1
n = 2
n = 3
n = 4



RHOA (ohm-m)

LEGEND

INSTRUMENTS: Rx EDA IP-2
Tx Phoenix IPT-1
ELECTRODE ARRAY: Dipole-Dipole
ELECTRODE SPACING: a=50m.
CHARGEABILITY ANOMALY:
Strong
Moderate
Weak

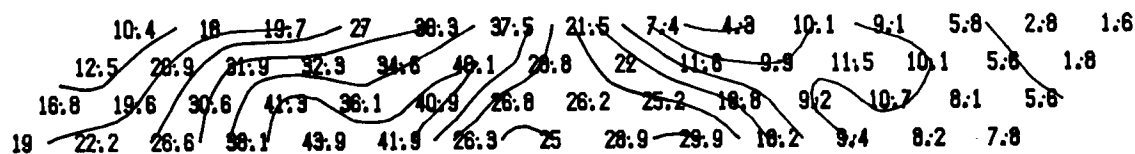


SCALE 1:5000



10200 E 10300 E 10400 E 10500 E 10600 E 10700 E 10800 E 10900 E 11000 E 11100 E

n = 1
n = 2
n = 3
n = 4



MA (msec)

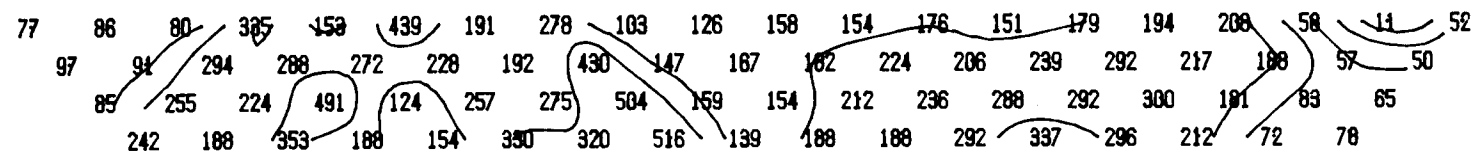
NORAMCO EXPLORATIONS INC
BOB CREEK PROPERTY

IP SURVEY
LINE 8700 N

CREQUEST CONSULTANTS LTD




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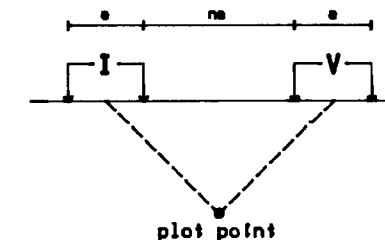
n = 1
n = 2
n = 3
n = 4



RHOA (ohm-m)

LEGEND

INSTRUMENTS: Rx EDA IP-2
Tx Phoenix IPT-1
ELECTRODE ARRAY: Dipole-Dipole
ELECTRODE SPACING: a=50m.
CHARGEABILITY ANOMALY:
Strong 
Moderate 
Weak 

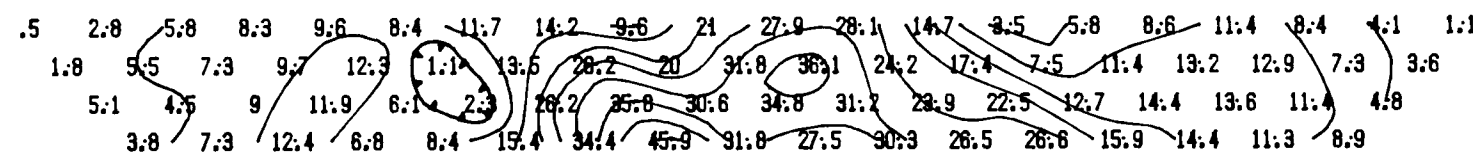


SCALE 1:5000



10000 E 10100 E 10200 E 10300 E 10400 E 10500 E 10600 E 10700 E 10800 E 10900 E 11000 E 11100 E

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n = 2
n = 3
n = 4



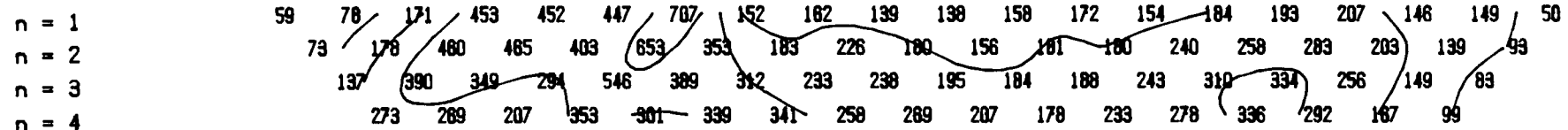
MA (msec)

NORAMCO EXPLORATIONS INC
BOB CREEK PROPERTY

IP SURVEY
LINE 8600 N

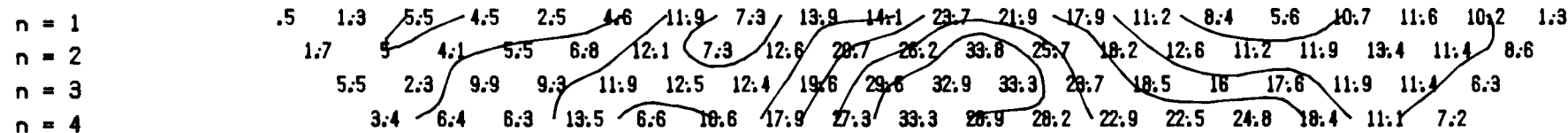
OREQUEST CONSULTANTS LTD.

10000 E 10100 E 10200 E 10300 E 10400 E 10500 E 10600 E 10700 E 10800 E 10900 E 11000 E 11100 E






RHOA (ohm-m)

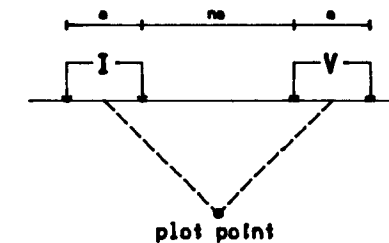
10000 E 10100 E 10200 E 10300 E 10400 E 10500 E 10600 E 10700 E 10800 E 10900 E 11000 E 11100 E



MA (msec)

LEGEND

INSTRUMENTS: Rx EDA IP-2
 Tx Phoenix IPT-1
 ELECTRODE ARRAY: Dipole-Dipole
 ELECTRODE SPACING: a=50m.
 CHARGEABILITY ANOMALY:
 Strong 
 Moderate 
 Weak 



SCALE 1:5000



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 BOB CREEK PROPERTY

IP SURVEY
 LINE 8500 N

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