

**ASSESSMENT REPORT OF LINECUTTING, GEOLOGIC MAPPING,
AND IP-RESISTIVITY SURVEYING**

on the ANOM 1-5 CLAIMS
Fort St. James Area, North-Central B.C.

Omineca Mining Division
NTS: 93N/2E

LOG NO: DEC 89 1991	RD.
REGION:	
M.P. NO.	

55°12' North Latitude / 124°40' West Longitude

**SUB-RECORDER
RECEIVED**
DEC 19 1991
M.R. # \$.....
VANCOUVER, B.C.

Owner:
Nation River Resources Ltd.
Site 480, R.R. #4
Courtenay, B.C.
V9N 7J3

Operator:
BP Resources Canada Limited
700 - 890 West Pender Street
Vancouver, B.C.
V6C 1K5

BPVR 91-6
December, 1991

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

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21,981

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1. SUMMARY

The ANOM I claim group, comprising 82 units is located approximately 90 km north of Fort St. James in north-central B.C. The property was explored in 1991 as a joint-venture between BP Resources Canada Limited and Nation River Resources Ltd. With BP as operator, a program of linecutting, IP-resistivity surveying, and geologic mapping was carried out from July 15 to September 30, 1991.

The project area is situated on the southeastern end of the Hogem Batholith and straddles its contact with augite-phyric andesitic flows and tuffs of the co-magmatic Upper Triassic to Lower Jurassic Takla Group. Phases of the Hogem Batholith in this area include medium to coarse-grained diorite, monzonite and syenite.

Weak to moderate, fracture-controlled propylitic alteration with accompanying pyrite and subordinate pyrrhotite to 2% is found in Hogem monzonites and porphyritic andesites in the central and southeastern portions of the claim area. Locally, incipient garnet-bearing skarn is developed in the andesites adjacent to small bodies of crowded plagioclase porphyry monzonite.

Rock chip sampling of sulphide-bearing outcrop yields low gold and copper values.

Results of IP-resistivity surveys indicate no large sulphide system underlies the claim area. Small discrete chargeability anomalies appear to correspond to relatively fresh pyrite-bearing Hogem plutonic rocks.

No drill targets or areas warranting ground follow-up were delineated by the 1991 program.

A total of \$53,400 has been applied as assessment and upon approval will maintain all claims to their anniversary dates in 1997.

2. LOCATION and ACCESS

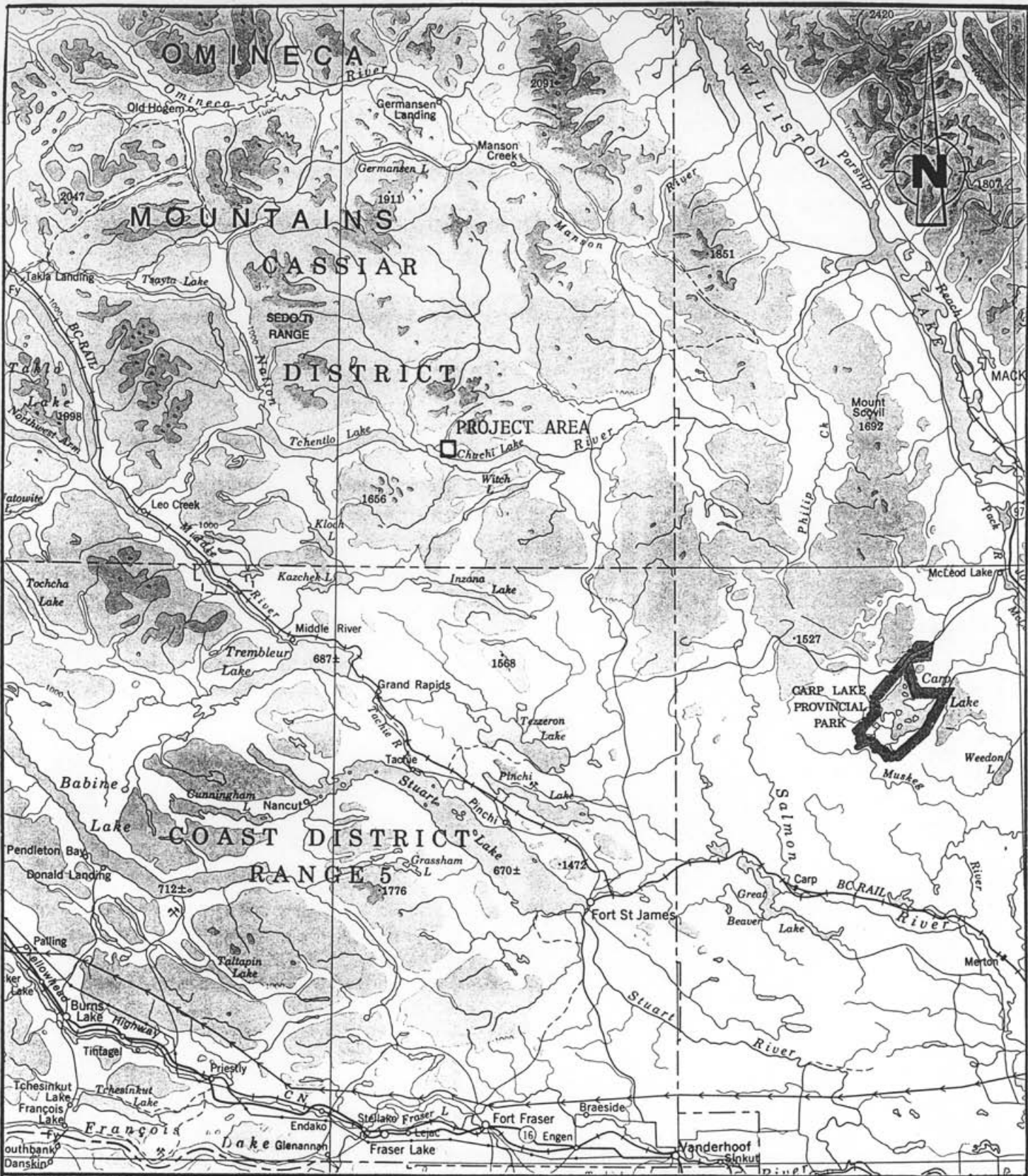
The ANOM I claim group is located on the north side of the western end of Chuchi Lake approximately 90 km north of Fort St. James, B.C. (Fig. 1). The claim area is centred at 55°12' north latitude and 124°40' west longitude within NTS map-sheet 93N/2E.

The claims are readily accessible via the Germansen-Indata forest service road which leaves the Fort St. James-Germansen Landing all-weather gravel road at Mile 65.

3. TOPOGRAPHY AND VEGETATION

Within the claim area, relief is gentle to moderate with elevations rising from 870 m a.s.l. at Chuchi Lake to 1100 m a.s.l. along the northern boundary. A broad, southeast-trending valley bisects the property and is occupied by a number of small lakes and extensive marshes.

Vegetation consists mainly of widely-spaced jackpine and spruce in timbered areas. The southeastern portion of the claim area was clearcut in the late 1970's with subsequent reforestation.



BP BP Resources Canada Limited
MINING DIVISION

LOCATION MAP
ANOM 1-5 CLAIMS

SCALE: 1:150,000	DRAWN BY:	FIG.
DATE: NOV/91	REV.:	1
N.T.S. 93N	PROJ.: 10161	REPORT: BPVR 91-6

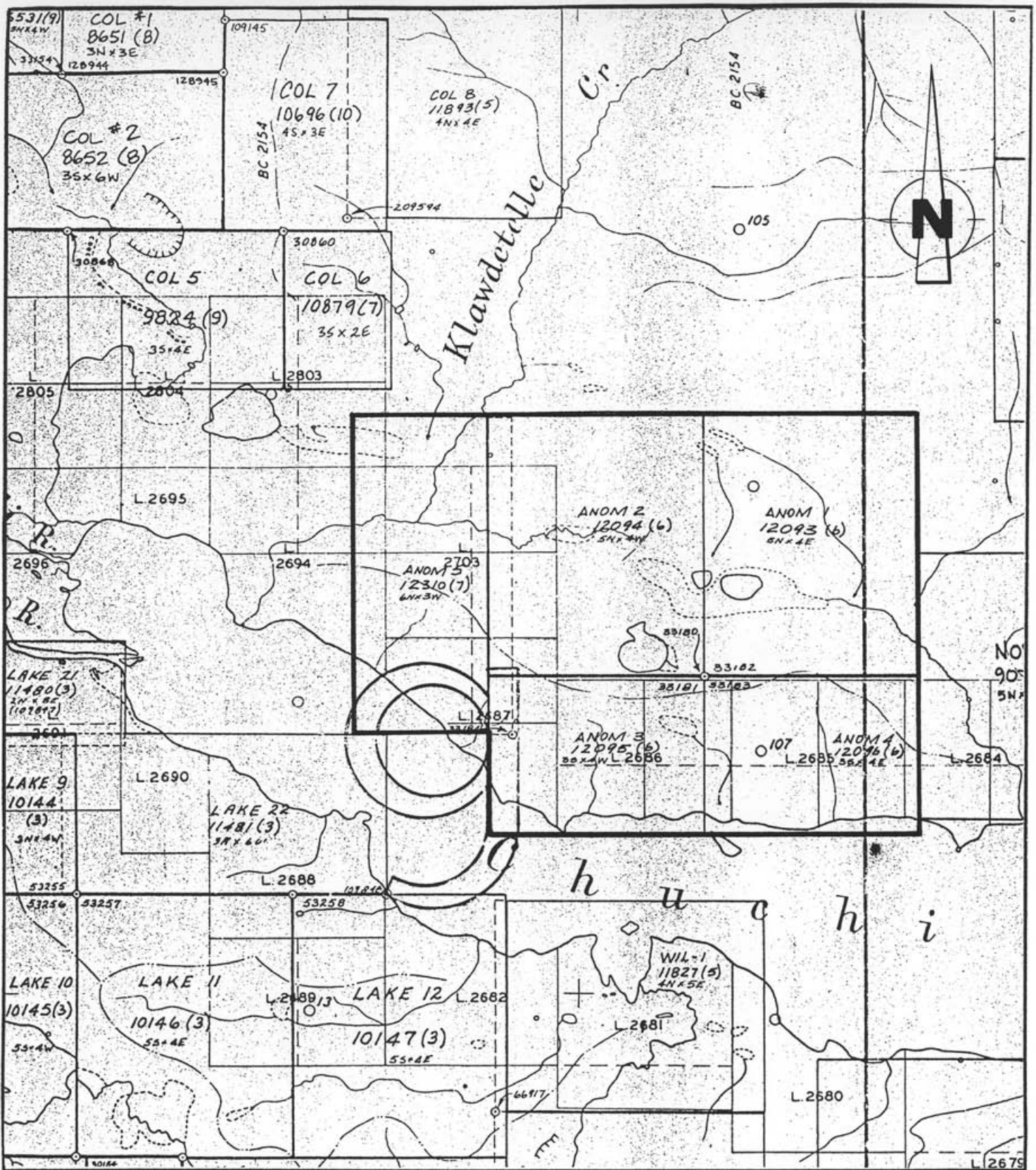
4. CLAIM DATA

The ANOM 1-5 claims, comprising 82 contiguous units, are wholly-owned by Nation River Resources Ltd. Claim details are listed below.

<u>Claim Name</u>	<u>Units</u>	<u>Record No.</u>	<u>Claim Group</u>	<u>Current Expiry Date*</u>
ANOM 1	20	12093	ANOM I	June 20, 1997
ANOM 2	20	12094	"	June 20, 1997
ANOM 3	12	12095	"	June 19, 1997
ANOM 4	12	12096	"	June 19, 1997
ANOM 5	18	12310	"	July 14, 1997

The claims were grouped as the ANOM I group on December 21, 1990.

*** upon acceptance of applied assessment.**



Scale 1 : 50 000



BP BP Resources Canada Limited
MINING DIVISION
CLAIM MAP
ANOM I GROUP

SCALE: As shown.	DRAWN BY:	FIG. 2
DATE: NOV/91	REV.:	DRAFTED BY:
N.T.S. 93N/2E	PROJ: 10161	REPORT: BPVR 91-6

5. HISTORY

This area has seen extensive exploration activity peaking in the early 1970's. In 1971, Plateau Metals Ltd. held a large number of claims in the area (TOP and POT claims) that covered most of the present ANOM I group. Soil geochemistry and magnetometer surveys were conducted as well as geological mapping (A.R. #3409,3410).

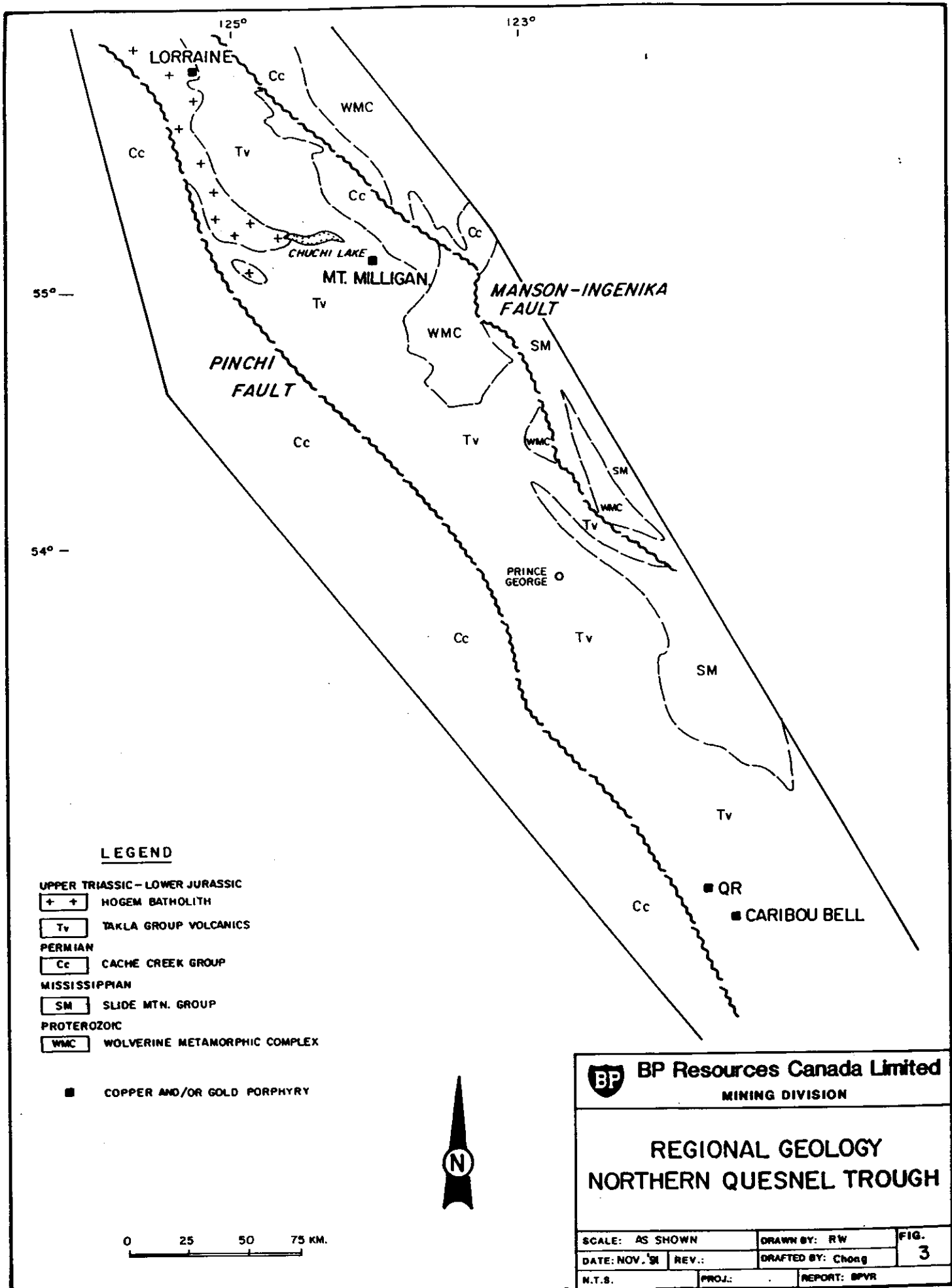
In 1982, Westmin Resources Limited performed soil and stream silt geochemistry on their NATION 1 claim group, an 18 unit block immediately north of Little Witch Lake (A.R. #10971).

In 1990, Nation River Resources Ltd. staked the present ANOM I group and subsequently optioned the claims to BP Resources Canada Limited. In December, 1990, BP contracted the flying of a 207 line-km airborne magnetic and VLF-EM survey over the ANOM I group.

6. REGIONAL GEOLOGY

The area north of Chuchi Lake is located within the central Quesnel terrane, within the Intermontane Belt of the Canadian Cordillera. Rocks of the Quesnel terrane in this area are comprised of Upper Triassic - Lower Jurassic Takla Group sedimentary and volcanic rocks, and coeval and younger intrusive rocks including the Hogen Batholith. They are bound to the east by gneisses of the Wolverine Metamorphic Complex, and to the west by carbonates and siliciclastics of the Permian Cache Creek Group (Fig. 3). The Takla Group stratigraphy is broadly correlative with Nicola Group rocks in southern B.C. and Stuhini Group rocks in northern B.C. (Richards, 1976; Monger, 1977).

The Takla Group north of Chuchi Lake, informally named the Chuchi Lake formation (Nelson et al., 1991) is comprised of intercalated volcanic and sedimentary rocks (see Fig. 4 in pocket). Basalts, andesites, and latites occur as augite porphyritic and/or plagioclase porphyritic flows and flow breccias with lesser tuffs. There are mappable units of vesicular flows and flow breccias with amygdule filling of calcite, epidote and probably altered zeolites. These flows and flow breccias are gradational with maroon and gray agglomerates that contain fragments of monzonite/diorite, ash/ash-crystal tuff, siltstone, and black shale. The agglomerates have carbonate-rich fragments and a calcareous matrix locally. The sedimentary rocks are graywacke, siltstone, black shale and hornfelsed varieties of these rocks (argillite), all intercalated with ash and ash-crystal tuff beds locally. Macrofossils found in shales in the area provide a tentative age of 193-196 Ma (Pleinsbachian) for these rocks (Nelson, personal communication).



LEGEND

- UPPER TRIASSIC - LOWER JURASSIC
- + + HOGEM BATHOLITH
- Tv TAKLA GROUP VOLCANICS
- PERMIAN
- Cc CACHE CREEK GROUP
- MISSISSIPPIAN
- SM SLIDE MTN. GROUP
- PROTEROZOIC
- WMC WOLVERINE METAMORPHIC COMPLEX

- COPPER AND/OR GOLD PORPHYRY



BP BP Resources Canada Limited
MINING DIVISION

**REGIONAL GEOLOGY
NORTHERN QUESNEL TROUGH**

SCALE: AS SHOWN	DRAWN BY: RW	FIG. 3
DATE: NOV. 81	REV.:	DRAFTED BY: Chong
N.T.S.	PROJ.:	REPORT: BPVR

Intrusive rocks are: crowded plagioclase monzonite/diorite porphyry, and the Hogem Batholith Intrusive Suite. The plagioclase monzonite/diorite porphyry rocks are subdivided on the basis of the presence of significant (>2%) primary and/or deuteritic magnetite content. The magnetite-rich variety, which comprises the core of the Chuchi Cu-Au system to the northwest, contains augite and biotite. Both plagioclase porphyries are believed to be hypabyssal, and genetically related to the plagioclase and augite porphyritic flows and breccias described above. The Hogem Batholith Intrusive Suite is generally hypidiomorphic granular, but also contains aplitic, pegmatitic and K-feldspar porphyritic varieties. It is subdivided on the basis of modal content into four groups:

- i) syenite, quartz syenite, alkali feldspar granite which cores the batholith in this area;
- ii) alkali gabbro - diorite, located in the central region of the map area;
- iii) K-feldspar monzonite, locally porphyritic, and surrounding the more syenitic phase at the core; and
- iv) monzodiorite, which surrounds and may be a fractionated equivalent to the alkali gabbro - diorite.

Regionally the stratigraphy has 20°-45° dips to the south. There are two notable exceptions: in the Chuchi Cu-Au area to the northwest dips are 30° - 50° to the east and southeast, and in the central Skook area to the south dips are 20° - 30° to the east (Fig. 4). The east-trending dips may be attributed to the emplacement of adjacent intrusions that postdate sediment deposition.

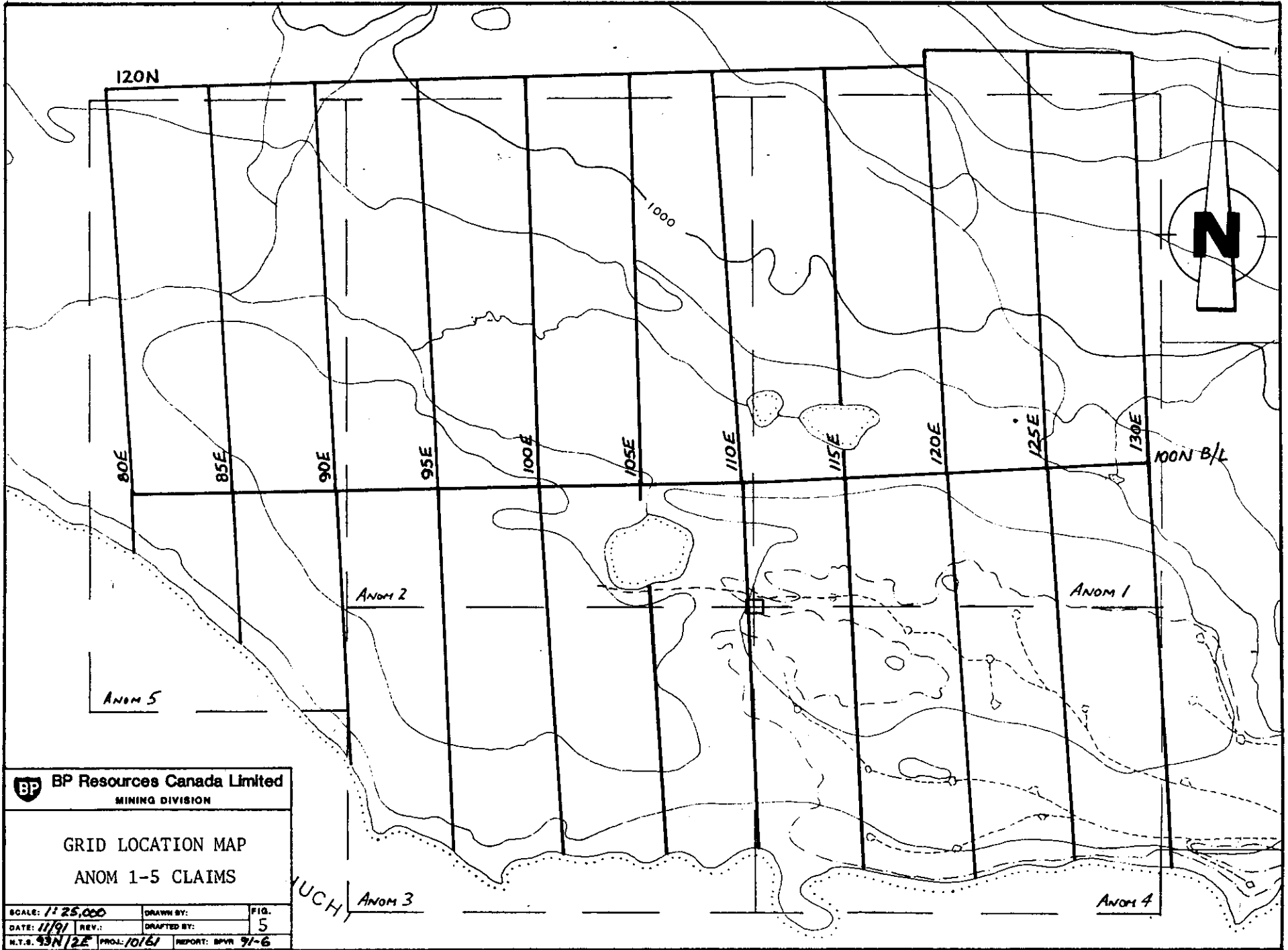
Faults generally follow creeks or other physiographic linear features (vegetation breaks) seen on air photos. The sense of displacement is usually difficult to discern due to the discontinuous nature of the volcanic and sedimentary stratigraphy.

7. LINECUTTING

Linecutting on the ANOM claims was carried out by Exploration Services Incorporated of Port Moody, B.C. from July 15 to August 31, 1991. The grid, totalling 49 line-km, consisted of 5 km long east-west base-line and tie-line, and 11 north-south cross-lines at 500 m spacings. Lines were cut to I.P. standard with picketed stations at 25 m intervals.

Total linecutting cost for 49 line-km was \$29,400.

Figure 5 shows location and numbering of all grid lines at a scale of 1:25,000.



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GRID LOCATION MAP
ANOM 1-5 CLAIMS

SCALE: 1:25,000	DRAWN BY:	FIG. 5
DATE: 11/91	REV.:	DRAFTED BY:
N.T.S. 93N/2E	PROJ: 10161	REPORT: BPR 91-6

8. PROPERTY GEOLOGY

The ANOM claims are principally underlain by diorites, monzonites and syenites of Hogem Batholith at its southeastern extremity, augite-phyric andesite porphyry flows and tuffs, and distinctive, "crowded" plagioclase monzonite porphyry rocks (Fig. 6, in pocket). To the southwest, the Hogem intrusive rocks are medium and coarse-grained, with an intrusive flow or cumulate texture exhibited by aligned plagioclase and/or hornblende phenocrysts trending north-south, near-vertical. These rocks are slightly to moderately magnetic. To the northeast, Hogem intrusive rocks are coarse-grained to pegmatitic biotite syenites and biotite hornblende syenites, and medium to coarse-grained monzonites. Here the syenites are non-magnetic, and the monzonites are non to slightly magnetic. The augite andesite porphyry flows and tuffs are found in the southeastern part of the ANOM claims. They have 5-35% medium to coarse-grained augite phenocrysts in an aphanitic to fine-grained groundmass, and are non to slightly magnetic. They probably border on basaltic composition; staining for K-feldspar content indicates that they are not latitic.

Other rock types include medium-grained, crowded plagioclase monzonite porphyry, similar to the mineralized monzonite porphyry on the Chuchi property, and hornblende andesite porphyry dykes. The crowded plagioclase porphyry is located in the southeast corner of the ANOM property, on the north side of "Porcupine Hill", and has a sub-vertical contact at 130° with the augite andesite porphyry volcanic rocks. As the volcanic rocks are found at the surface 100 m to the north, the crowded plagioclase

porphyry is probably a dyke here. It has 40-70% lath-like plagioclase in an aphanitic grey-black groundmass; biotite is present in the groundmass comprising up to 1% of the rock. The crowded plagioclase porphyry is non-magnetic. The hornblende andesite porphyry dykes have 5-45% fresh hornblende in an aphanitic to fine-grained hornblende-feldspar groundmass. They occur as subvertical dykes that trend easterly to southeasterly and are up to 1 m thick.

A major physiographic linear at 115° is present on the north half of the claim group. It broadly corresponds to the foot of a hill that extends ten km to the north to the top of Lhole Tse and Chuchi Mountains. A secondary linear is parallel 1.5 km to the northwest, and a probably fault, with iron oxide-stained syenitic rocks, is located 1.5 km further to the northeast. Jointing on the claim group is predominantly north-south, subvertical; some joint sets are 115° and subvertical, parallel to the physiographic linears.

Significant alteration is found in Hogem monzonites and augite andesite porphyry rocks in the central and southeastern parts of the claim group. Moderate propylitic alteration is principally fracture-controlled in both rock types. Pervasive propylitic alteration is weak in the same areas locally. Fracture-controlled potassic alteration is slight to moderate and generally in the form of K-feldspar. Possible fracture-controlled biotite alteration is found in biotite hornblende monzonites at 14+00E, 86+50N along with the most significant mineralization, and near the strongest chargeability anomaly. Garnet

(grossular) accompanies calcite and epidote in the augite andesite porphyry rocks on Porcupine Hill and elsewhere in the southeast part of the area, and is likely due to thermal metamorphism from nearby intrusive rocks, with calcite + 3 epidote \Rightarrow 2 garnet + CO₂ + H₂O.

Six samples from the property were selected for whole rock major and trace element geochemistry (Table I, Fig. 6). They were analyzed by flux-fusion ICP and XRF by Actlabs, Toronto. Hornblende monzonites of the Hogem Batholith are characterized by relatively low SiO₂, and high K₂O, Ba and Rb contents. Hornblende and augite-phyric basaltic andesite dykes and flows also have relatively high K₂O contents, and have borderline calc-alkalic/alkalic affinity.

Mineralization is predominantly in the form of fracture-controlled pyrite and pyrrhotite; trace chalcopyrite is present in one sample of float. Pyrite occurs up to 2% in Hogem monzonite and augite andesite porphyry rocks, principally along fractures. In monzonites at L115E, 85-90N, pyrite occurs as disseminated blebs in fresh rock, and in rocks with weak alteration along fractures. Pyrite and pyrrhotite is noted along with 2% pyrite in one angular float boulder at 14+00E, 86+50N, in moderately propylitically altered, crowded plagioclase porphyry. The presence of sulphides corresponds to the chargeability anomalies in the southern half of the claims (see Chapter 9).

Table 1
Whole Rock Geochemistry of Selected Samples from the ANOM Property

	CTB91-40 ANOMMZ	CTB91-41 ANOMDK	CTB91-42 ANOMMZ	CTB91-43 ANOMMZ	CTB91-44 ANOMDK	CTB91-45 ANOMAND
wt%						
SiO ₂	50.51	48.47	66.80	52.69	47.00	48.47
TiO ₂	0.72	0.96	0.14	0.74	1.09	1.05
Al ₂ O ₃	20.02	18.66	16.33	17.76	16.22	16.84
Fe ₂ O ₃	8.47	10.56	3.27	8.47	12.14	11.40
MgO	3.32	4.51	0.23	3.30	6.88	6.81
MnO	0.13	0.21	0.10	0.18	0.26	0.25
CaO	7.79	9.18	1.06	6.81	8.43	8.98
Na ₂ O	3.04	3.35	5.55	3.53	2.86	3.00
K ₂ O	3.58	2.52	5.70	4.28	2.80	1.58
P ₂ O ₅	0.94	0.38	0.06	0.60	0.22	0.34
LOI	1.71	1.30	0.46	1.95	1.68	1.31
Total	100.25	100.11	99.70	100.30	99.61	100.03
ppm						
Zr	110	152	418	151	177	149
Hf	1.6	1.8	9.7	2.3	1.2	1.5
Th	2.3	2.8	15.0	3.6	1.0	0.8
U	1.3	1.3	6.2	1.7	0.7	0.5
Y	12	20	32	18	20	20
Rb	75	80	290	110	100	39
Cs	2.4	2.7	9.0	1.4	2.9	1.9
Sr	1280	841	78	897	599	634
Ba	4750	1570	172	2653	1165	967
Sc	12	26	2	18	51	30
V	270	280	0	210	330	290
Cr	42	14	5	31	130	38
Ni	30	20	0	0	30	20
Co	27	32	2	23	36	43
Cu	160	120	0	210	35	150
La	13.8	10.9	18.8	14.9	6.6	8.4
Yb	1.09	1.86	3.92	1.93	1.42	1.65
Au(ppb)13		2	0	6	0	0
As	2	2	5	2	2	30
Sb	0	0.4	1	1	0.6	5

CTB91-40: Hornblende biotite monzonite, coarse-grained, moderately magnetic.

CTB91-41: Hornblende andesite porphyry dyke, non-magnetic.

CTB91-42: Biotite hornblende monzonite, medium-grained, non-magnetic.

CTB91-43: Hornblende biotite monzodiorite, slightly magnetic.

CTB91-44: Hornblende andesite porphyry dyke, non-magnetic.

CTB91-45: Augite andesite/latite porphyry, slightly magnetic.

Results from 26 rock chip samples of sulphide-bearing outcrop are given in Appendix III. In general, copper and gold values are low with copper ≤ 374 ppm and gold ≤ 43 ppb. One sample (101009) yielded 772 ppm copper with 270 ppm molybdenum and 1.2 ppm silver.

9. I.P.-RESISTIVITY SURVEY

A) Summary

IP and resistivity surveys have been carried out on the ANOM I claim group by Pacific Geophysical Ltd. of Vancouver, B.C.

North-south lines at 400 m line-spacing have been completed. No large "sulphide system" has been found. The survey has outlined a number of small, discrete chargeability anomalies corresponding to relatively fresh pyritic Hogem intrusive. No drilling has been recommended.

B) Introduction

IP-resistivity surveys have been carried out over the ANOM claims as part of an integrated exploration program whose target is an open-pittable "porphyry" style orebody. The line-spacing and array geometry were a function of the minimum target dimensions and depths of burial. The objective of the IP-resistivity survey was to outline any large area of elevated chargeability which would correspond to an "alteration system".

The area is underlain by intrusive units of the Hogem suite divided by a prominent N100° contact based on resistivity contrast with more resistive units to the northeast and more conductive lithologies to the southwest. The lines extend from Chuchi Lake to the south to 120+00N.

Topography follows the geological strike and elevations range from ± 900 m at the lake to 100 m in the northeast corner of the grid.

C) Survey Specifications

The geophysical crew was provided and supervised by Pacific Geophysical Limited of Vancouver. The crew was led by a geophysicist - crew chief - receiver operator with a total complement of 6 men. Transport to and from a nearby was by truck, provided by Pacific Geophysical Ltd.

The Time-domain receiver was the BRGM designed and built model IP-6 distributed in Canada by EDA. This largely automated unit records up to 6 dipoles simultaneously integrating a 900 milliseconds window after a delay time of 120 milliseconds. The 2 second on 2 second off square wave bi-directional pulse train used as a signal is provided by a Phoenix IPT-1 transmitter (with 2 KW motor generator set). Motorola FM radios were used for communication. Chargeability was recorded in milliseconds and apparent resistivity, corrected for array geometry, was recorded as ohm. metres. Stainless steel stakes were used as electrodes, both current and potential.

D) Field Procedure

The survey was carried out using the pole-dipole array with receiver dipole length ("a") being 50 m and "n" separations of 1-4.

The local current electrode (C^1) position was a to the south of the receiver dipole.

With the six-man crew, $n = 1-4$ measurements were completed in a single pass. All wire laid out was retrieved and copper sulphate was not required on the electrodes.

E) Data Presentation

Chargeability and resistivity data are presented as pseudosection profiles (Fig. 9 to 19, in pocket) showing:

Chargeability (Ma) in milliseconds

Apparent Resistivity (Pa) in ohm metres

"Metal Factor" $\left(\frac{Ma \times 1000}{Pa}\right)$

Each pseudosection includes the 10 point triangular filter value above the contoured $n = 1-4$ values.

The horizontal scale is 1:5000.

Results are presented in map form (Figs. 7 and 8, in pocket) at 1:10,000 for both 10 point filtered chargeability and 10 point filtered apparent resistivity. For chargeability

the contour interval is 2 milliseconds and for apparent resistivity it is logarithmic with 6 points per decade. Apparent resistivity data is not corrected for rough topography.

F) Discussion of Results

The geophysical pattern is dominated by the prominent N100° linear contact crossing the northern half of the grid with more resistive Hogem lithologies to the northeast. The prominent isolated resistivity high in the southeast corner of the grid corresponds to outcrop mapped as augite porphyry flows and flow breccias. In the centre of the grid the lower resistivities correspond to more conductive overburden overlying the slightly less resistive Hogem lithologies southwest of the major contact with resistivities of 200 - 600 ohm.m.

The chargeability background in the Hogem unit is 4-6 msec. The major anomaly on L9500 is 400 m wide with maximum surface chargeabilities of 40 msec. The anomaly source is at surface with limited depth extent. Sampling of outcrop has returned fresh monzonite with 1.5% disseminated pyrite on the southern edge of the anomaly where the average chargeability is ± 20 msec. The anomaly is not visible on the adjacent lines.

The remaining, weaker chargeability anomalies have all been mapped as Hogem intrusive with minor amounts of pyrite either disseminated or fracture coatings.

G) Conclusions and Recommendations

In this pyrite dominant mineralization system the significant chargeability anomalies of more than twice background have all been found by ground checking to correspond to pyrite in relatively fresh intrusive. There is no geophysical encouragement to test these anomalies further.

10. CONCLUSIONS and RECOMMENDATIONS

Results of geologic mapping, rock chip sampling, and IP-resistivity surveys failed to delineate any areas of widespread hydrothermal alteration or sulphide mineralization.

Most of the intrusive rock mapped consists of equigranular, medium to coarse-grained plutonic phases of the Hogem Batholith. Minor hypabyssal crowded plagioclase porphyry monzonite was seen to cut andesitic rocks with locally-developed skarn alteration. However, no significant mineralization was evident in these areas.

No additional work appears to be warranted to test for porphyry-type copper-gold mineralization.

BIBLIOGRAPHY

1. RICHARDS, T.A., 1976. McConnell Creek Map Area (94D, East Half), British Columbia, in Report of Activities, Part A. GSC Paper 76-14, p. 43-50.
2. MONGER, J.W.H., 1977. The Triassic Takla Group in McConnell Creek Map Area, North Central, B.C., GSC Paper 76-29.
3. NELSON, J., BELLEFONTAINE, K., GREEN, G., MacLEAN, M., 1990. Regional Geologic Mapping near the Mount Milligan Copper-Gold Deposit (93K/16, 93N/1), in Geological Fieldwork 1990, Paper 1991-1.

APPENDIX I

STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

I, C. Tucker Barrie, of 700 - 890 West Pender Street, Vancouver in the province of British Columbia, do hereby state:

1. That I have Doctor of Philosophy in Economic Geology from the University of Toronto, Ontario, where I graduated in 1990;
2. That I have been active in mineral exploration since 1980.



C. Tucker Barrie

December, 1991
Vancouver, B.C.

STATEMENT OF QUALIFICATIONS

I, John B. Binns, of the district of West Vancouver, in the province of British Columbia, do hereby certify:

1. I am a consultant geophysicist residing at 2370 Marine Drive, West Vancouver, B.C. V7V 1K8
2. I am a graduate of the University of Newcastle Upon Tyne, England with B.Sc. degree in Mining Engineering (1969).
3. I am a graduate of the Imperial College, University of London with an M.Sc. degree in Applied Geophysics (1981).
4. I am a licenced professional engineer in the province of Ontario.
5. I have been practising my profession for 22 years.



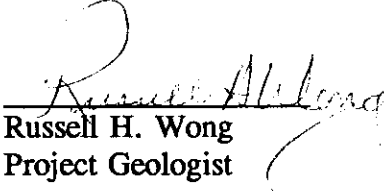
John B. Binns

December, 1991
Vancouver, B.C.

STATEMENT OF QUALIFICATIONS

I, Russell H. Wong, of 700 - 890 West Pender Street, Vancouver, British Columbia, do hereby state:

1. That I am a graduate of the University of British Columbia, Vancouver, B.C., where I obtained a B.Sc., in Geology in 1975.
2. That I have been active in mineral exploration since 1973.
3. That I have practised my profession continuously as a staff geologist for BP Resources Canada Limited, since 1979.


Russell H. Wong
Project Geologist

December, 1991
Vancouver, B.C

APPENDIX II

STATEMENT OF COSTS

STATEMENT OF COSTS

1. Linecutting:

49 line-kms @ \$600 \$29,400.00

2. I.P. Resistivity Survey:

39 line-kms @ \$700 27,300.00

3. Geologic Mapping:

- Geologist for 8 days @ \$200 1,600.00

- 26 samples for ICP + geochem.
Au analysis @ \$12.50 325.00

- 6 samples for whole rock geochemical
analysis @ \$84 504.00

- vehicle for 8 days @ \$40 320.00

TOTAL: \$59,449.00

APPENDIX III

ROCK SAMPLE DESCRIPTIONS AND RESULTS

APPENDIX III

ROCK SAMPLE DESCRIPTIONS and RESULTS

<u>Sample No.</u>	<u>Grid Coordinates</u>	<u>Description</u>
101001	84N, 114E	Med-grained Hb-Bi monzonite with weak epid-py on fractures (.5% Py).
101002	84N, 114E	Monzonite with concentrations of epid-kspar-py fracture fillings.
101003	84N, 114E	Hb andesite porphyry with weak epid-py on fractures and shears (.4% Py).
101004	84N, 114E	Hb-Bi monzonite with .2% Py on fractures.
101005	88N, 114E	Crowded plag. porphyry with mod. epid-py on fractures, 1% Py, trace Cpy (subcrop).
101006	85+80N, 115+20E	Hb-Bi monzonite with rusty fractures.
101007	89+60N, 115E	Med. to coarse-grained Hb-Bi monzonite, mod. propylitic alteration along fractures.
101008	89+40N, 115E	Med.-grained Hb-Bi monzonite with weak propylitic alteration.
101009	88+80N, 115E	Kspar megacrystic monzonite porphyry, 1% Py on fractures.
101010	88+80N, 115+20E	Kspar megacrystic monzonite porphyry, 1% Py on fractures.
101011	82+70N, 98E	Subporphyritic Kspar monzonite, weak propylitic alteration.
101012	89+80N, 125E	Augite porphyry andesite, 1% dissem. Py.
101013	91+85N, 128E	Augite porphyry andesite, .5% Py on fractures, mod. propylitic alteration.
101014	120N, 126+85E	Hb-Bi monzonite, coarse-grained with rusty fractures.

Appendix III (continued)

<u>Sample No.</u>	<u>Grid Coordinates</u>	<u>Description</u>
101015	88+85N, 130E	Crowded plag. porphyry, mod. propylitic alteration, rusty fractures.
101016	86+70N, 130E	Augite porphyry, mod. epid-py on fractures.
101017	88+75N, 130E	Augite porphyry, local strong Kspar-epid-py on fractures.
101018	86+75N, 115E	Hb monzonite with epid-Kspar-py on fractures.
101019	87+90N, 115+25E	Plag. porphyry monzonite, epid-chl-py on fractures (1.5% Py).
101020	88N, 115E	Plag. porphyry monzonite with mod. propylitic alteration on fractures, 1% Py on fractures.
101021	86+75N, 130E	Augite porphyry andesite, weak-mod. epid-Kspar-py on fractures, 1% Py.
101022	86+80N, 130E	Crowded plag. porphyry, unaltered.
101023	89N, 128+50E	Augite porphyry andesite, mod. chl-epid-py on fractures, .5-1.0% Py.
101024	89+60N, 115E	Med. to coarse-grained Hb monzonite, mod. propylitic alteration.
101025	92N, 95E	Coarse-grained plag. porphyry monzonite, mod. propylitic alteration on fractures, 1% Py on fractures and dissem.
101026	90N, 95E	Hb monzonite, fresh with 1.5% dissem Py.

ACME ANALYTICAL LABORATORIES LTD.

852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6

PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Skook

BP Resources Canada Ltd. PROJECT LOC 10161 File # 91-3595

700 - 890 W. Pender St., Vancouver BC V6B 4U3

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
101001	3	228	3	39	.4	14	19	529	5.06	5	5	ND	4	71	.4	2	2	125	1.06	263	13	32	.80	61	.19	2	1.18	.06	.25	1	43
101002	3	258	2	38	.4	13	16	541	4.60	3	5	ND	5	73	.4	2	2	118	1.08	257	12	31	.79	68	.18	3	1.25	.08	.29	1	38
101003	6	131	2	28	.3	10	17	489	4.29	3	5	ND	1	123	.2	2	2	100	1.49	119	5	9	1.18	92	.28	2	1.83	.13	.62	1	12
101004	2	138	2	45	.1	15	14	472	4.79	2	5	ND	4	69	.4	2	2	143	1.20	300	14	36	.81	69	.18	2	1.23	.07	.34	1	3
101005	3	73	2	17	.1	6	6	273	2.27	4	5	ND	1	89	.3	2	2	50	.88	117	8	7	.31	47	.18	3	.75	.07	.11	1	3
101006	3	173	2	39	.2	28	12	436	4.41	3	5	ND	4	50	.3	2	2	124	1.13	272	12	79	.87	70	.21	5	1.12	.05	.33	1	6
101007	6	252	2	35	.3	21	11	389	4.21	4	5	ND	2	58	.2	2	2	122	1.32	300	11	67	.74	74	.20	3	.96	.05	.17	1	4
101008	3	192	2	25	.1	16	13	360	4.06	3	5	ND	2	70	.3	2	2	118	1.13	316	10	33	.56	67	.19	2	1.01	.12	.32	1	9
101009	270	772	7	48	1.2	12	28	326	8.50	64	5	ND	1	60	.5	2	4	67	.96	182	7	20	.59	96	.17	4	1.15	.07	.16	1	2
101010	31	374	6	20	.3	9	14	262	3.89	22	5	ND	3	59	.4	2	2	71	.88	226	10	19	.52	63	.19	2	1.04	.06	.29	1	25
101011	2	294	5	112	.2	12	17	764	5.94	2	5	ND	4	33	.2	2	2	166	1.02	351	17	20	.99	59	.19	3	1.19	.05	.13	1	1
101012	2	157	2	51	.2	28	28	461	5.06	15	5	ND	1	144	.3	2	2	88	1.98	140	4	19	1.12	76	.26	6	2.96	.35	.79	1	12
101013	4	74	4	98	.3	12	11	568	3.15	7	5	ND	4	103	.2	2	2	57	1.16	107	7	19	.89	270	.23	3	1.95	.19	.70	1	9
101014	3	8	8	25	.1	4	2	377	1.79	3	7	ND	31	9	.2	2	2	4	1.19	020	9	5	.12	21	.03	2	.54	.05	.11	1	1
101015	2	200	4	41	.5	23	19	529	4.04	5	5	ND	1	279	.3	2	2	120	2.89	143	3	30	1.30	301	.32	6	4.37	.45	1.16	1	4
101016	1	120	10	79	.3	22	20	698	3.77	11	5	ND	1	120	.2	2	2	79	2.07	109	3	22	1.36	82	.22	2	2.50	.22	.19	1	4
101017	1	39	4	191	.2	15	10	551	2.09	9	5	ND	1	108	1.2	2	2	101	4.01	081	2	21	.65	25	.21	9	2.28	.07	.10	1	2
101018	1	79	4	25	.1	11	11	333	3.54	2	5	ND	2	92	.2	2	2	108	1.14	279	10	20	.49	68	.13	2	.92	.05	.12	1	7
RE 101015	1	-197	4	39	.3	22	18	505	3.93	7	5	ND	1	270	.2	2	2	117	2.77	145	3	30	1.25	294	.31	5	4.19	.43	1.13	1	4
101019	19	237	7	47	.4	8	8	394	4.23	11	5	ND	3	75	.2	2	2	100	1.12	290	11	21	.63	78	.23	2	1.39	.10	.33	1	7
101020	2	207	5	26	.2	15	14	407	3.95	4	5	ND	3	98	.2	2	2	92	1.37	260	10	30	.64	63	.21	3	1.18	.07	.32	1	5
101021	3	248	15	188	.6	33	28	686	5.72	27	5	ND	1	99	.8	2	2	119	1.59	118	2	36	2.29	157	.27	2	3.30	.21	.94	1	5
101022	1	20	11	96	.1	6	7	604	2.91	3	5	ND	1	116	.2	2	2	58	1.14	114	13	10	.69	54	.23	3	1.42	.11	.16	1	1
101023	1	135	29	212	.4	21	19	616	4.15	9	5	ND	1	214	1.2	2	2	107	2.67	145	5	27	1.49	218	.24	5	4.50	.38	.76	1	3
101024	1	117	2	45	.1	13	10	451	3.21	2	5	ND	1	104	.2	2	2	79	1.23	275	9	30	.70	72	.12	4	1.31	.09	.14	4	5
101025	2	130	2	34	.1	12	13	430	4.09	2	5	ND	4	70	.2	2	2	113	1.36	310	13	26	.65	77	.21	3	1.06	.06	.20	1	2
101026	2	109	5	29	.1	11	9	312	3.21	2	5	ND	1	63	.2	2	2	92	1.12	167	8	21	.56	86	.18	3	1.00	.07	.15	1	2
STANDARD C/AU-R	18	58	39	127	6.8	70	33	1093	4.00	39	18	6	35	52	18.4	14	17	54	.48	093	36	56	.89	183	.09	34	1.91	.06	.15	13	480
STANDARD C	18	58	38	134	6.9	69	32	1032	3.92	36	18	6	37	51	18.6	14	19	56	.48	090	35	58	.88	176	.09	33	1.87	.06	.15	11	-

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM. ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
 - SAMPLE TYPE: ROCK AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE. Samples beginning 'RE' are duplicate samples.

DATE RECEIVED: AUG 19 1991 DATE REPORT MAILED: *Aug 22/91* SIGNED BY: *C. Leong* D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

LEGEND

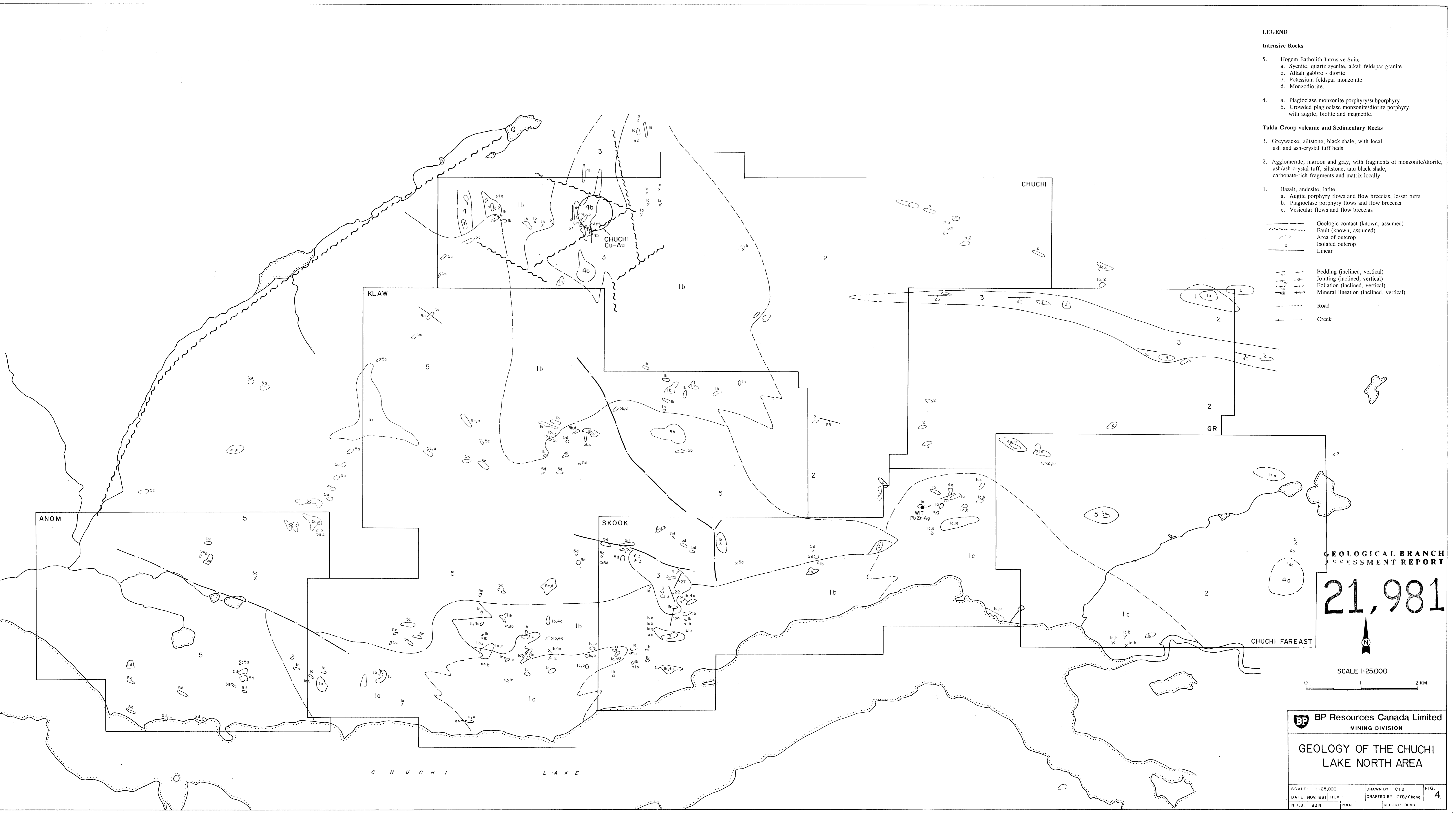
Intrusive Rocks

- 5. Hogen Batholith Intrusive Suite
 - a. Syenite, quartz syenite, alkali feldspar granite
 - b. Alkali gabbro - diorite
 - c. Potassium feldspar monzonite
 - d. Monzodiorite.
- 4.
 - a. Plagioclase monzonite porphyry/subporphyry
 - b. Crowded plagioclase monzonite/diorite porphyry, with augite, biotite and magnetite.

Takla Group volcanic and Sedimentary Rocks

- 3. Greywacke, siltstone, black shale, with local ash and ash-crystal tuff beds
- 2. Agglomerate, maroon and gray, with fragments of monzonite/diorite, ash/ash-crystal tuff, siltstone, and black shale, carbonate-rich fragments and matrix locally.
- 1. Basalt, andesite, latite
 - a. Augite porphyry flows and flow breccias, lesser tuffs
 - b. Plagioclase porphyry flows and flow breccias
 - c. Vesicular flows and flow breccias

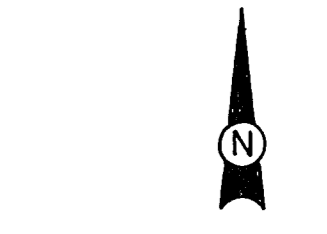
- Geologic contact (known, assumed)
- - - Fault (known, assumed)
- Area of outcrop
- x Isolated outcrop
- Linear
- Bedding (inclined, vertical)
- Jointing (inclined, vertical)
- Foliation (inclined, vertical)
- Mineral lineation (inclined, vertical)
- Road
- Creek



GEOLOGICAL BRANCH
ASSESSMENT REPORT

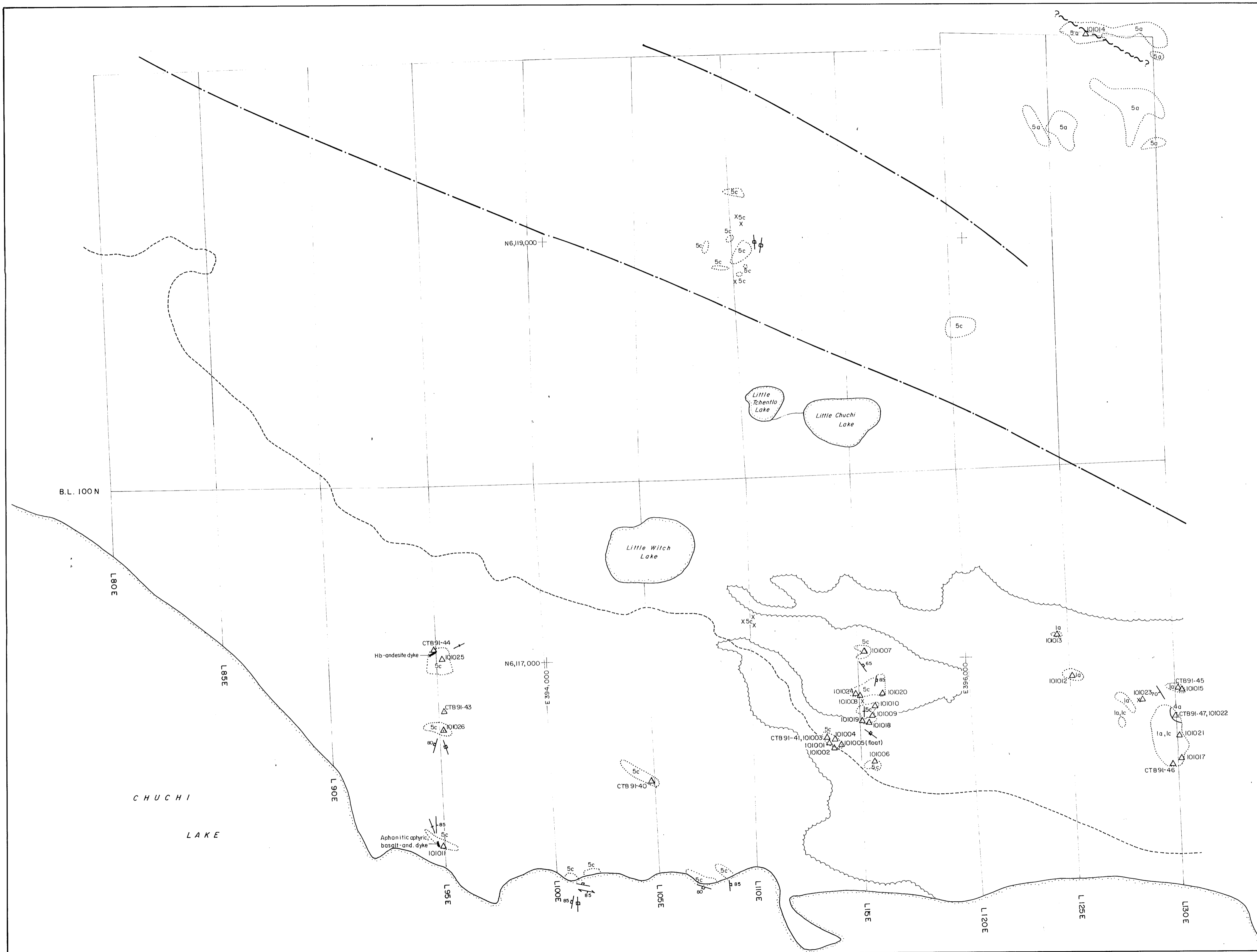
21,981

CHUCHI FAREAST



SCALE 1:25,000
0 1 2 KM.

BP Resources Canada Limited MINING DIVISION			
GEOLOGY OF THE CHUCHI LAKE NORTH AREA			
SCALE: 1:25,000	DRAWN BY: CTB	FIG. 4	
DATE: NOV 1991	REV.:	DRAFTED BY: CTB/Chong	
N.T.S. 93 N	PROJ:	REPORT: BPVR	



LEGEND

Intrusive Rocks

- 5. Hogen Batholith Intrusive Suite
 - a. Syenite, quartz syenite, alkali feldspar granite
 - b. Alkali gabbro - diorite
 - c. Potassium feldspar monzonite
 - d. Monzodiorite.
- 4. a. Plagioclase monzonite porphyry/subporphyry
 - b. Crowded plagioclase monzonite/diorite porphyry, with augite, biotite and magnetite.

Takla Group volcanic and Sedimentary Rocks

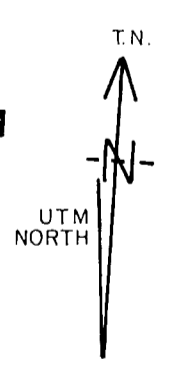
- 3. Greywacke, siltstone, black shale, with local ash and ash-crystal tuff beds
- 2. Agglomerate, maroon and gray, with fragments of monzonite/diorite, ash/ash-crystal tuff, siltstone, and black shale, carbonate-rich fragments and matrix locally.
- 1. Basalt, andesite, latite
 - a. Augite porphyry flows and flow breccias, lesser tuffs
 - b. Plagioclase porphyry flows and flow breccias
 - c. Vesicular flows and flow breccias

- Geologic contact (known, assumed)
- Fault (known, assumed)
- Area of outcrop
- Isolated outcrop
- Linear
- Rock chip location and sample number
- Diamond drill hole collar
- Bedding (inclined, vertical)
- Jointing (inclined, vertical)
- Foliation (inclined, vertical)
- Mineral lineation (inclined, vertical)
- Hornfels
- Road
- Scarp
- Creek
- Clearcut

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

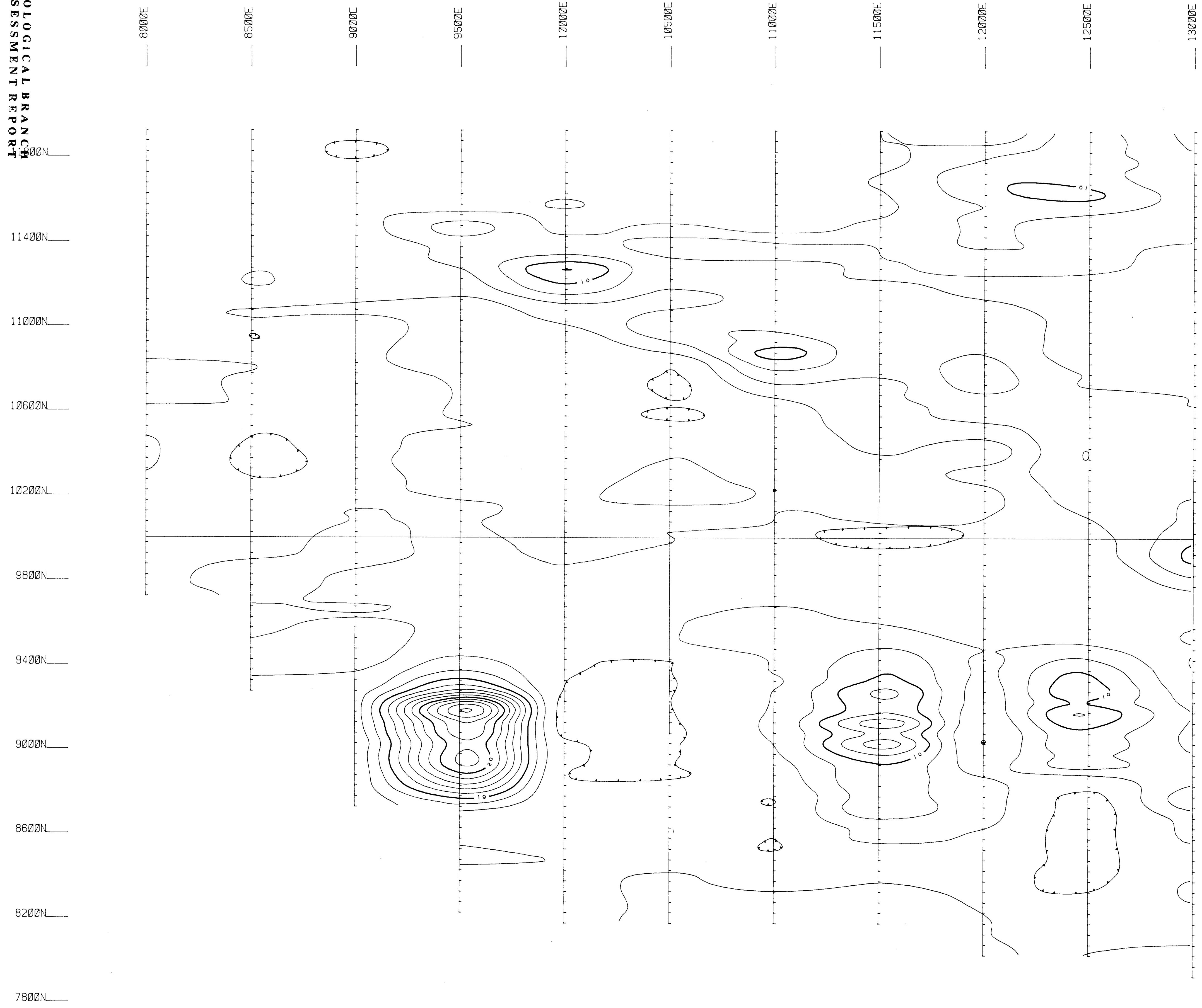
21,981

Scale 1 : 10 000



BP BP Resources Canada Limited
MINING DIVISION
ANOM I CLAIM GROUP
GEOLOGY and ROCK SAMPLE
LOCATIONS

SCALE: 1:10,000	DRAWN BY: CTB	FIG. 6.
DATE: OCT. 1991	REV.:	DRAFTED BY: Chong
N.T.S. 93N-2E	PROJ.: 10161	REPORT: BPVR 91-6



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

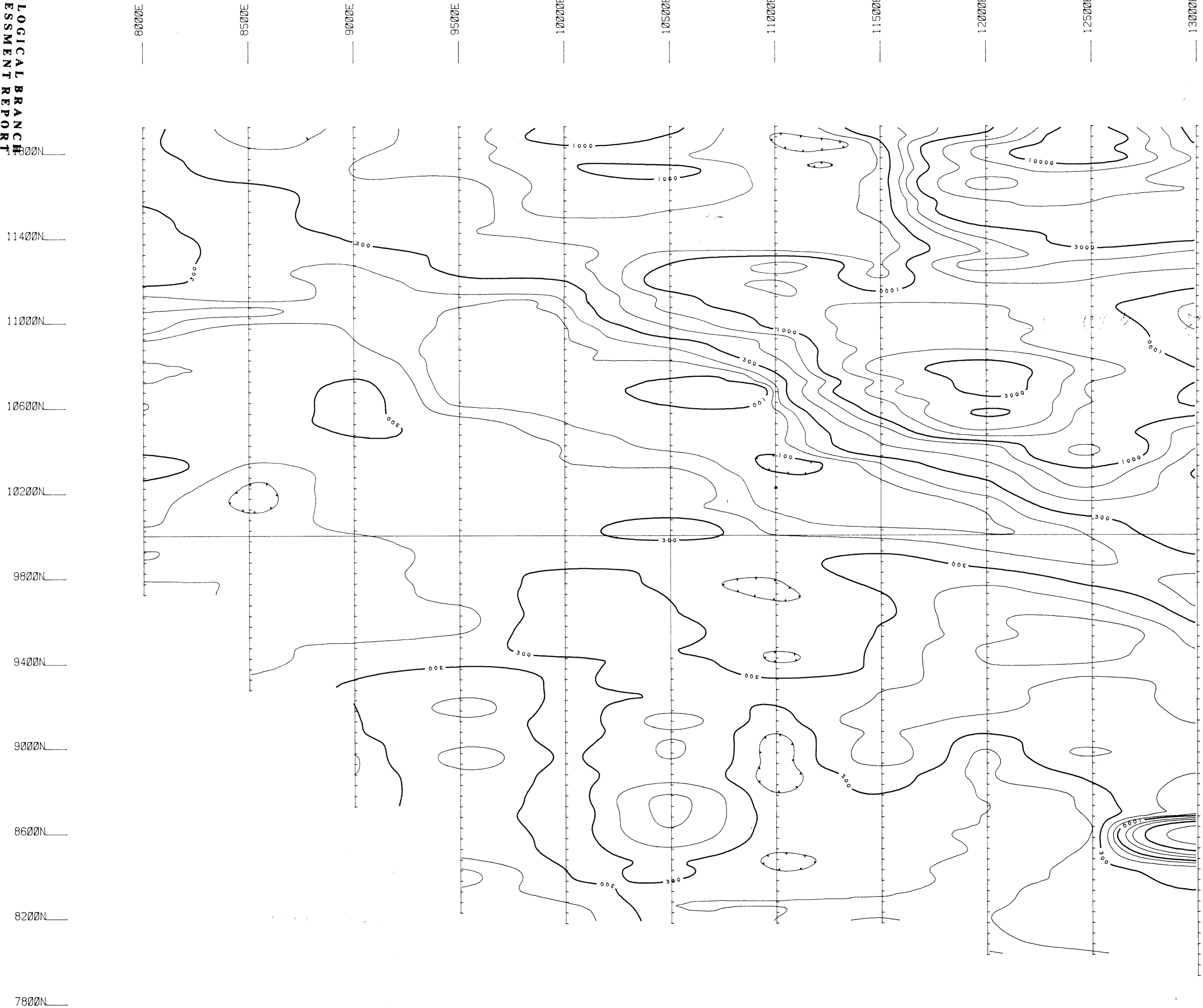
Contour Interval : 2 mV.
 10 Point Filter : *

200m 100m 0m 200m 400m

BP RESOURCES CANADA LIMITED
INDUCED POLARIZATION SURVEY

ANOM PROJECT, OMINECA M.D., B.C.
 BASELINE AZIMUTH : 90 Deg.

SCALE = 1 : 10000 DATE : AUGUST, 1991
 SURVEY BY : JLJ/KNC NTS : 93N/1
 PLAN : ANOMIP *BP/R 91-6*
 Pacific Geophysical Ltd. **FIG. 7**

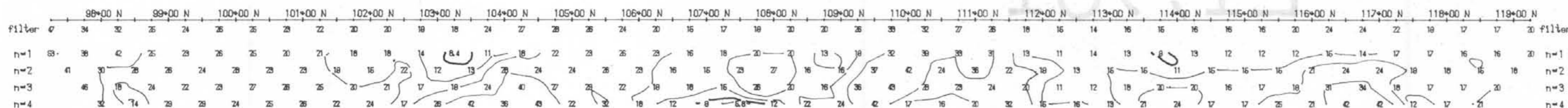
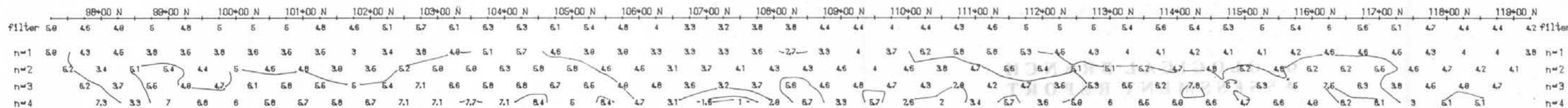
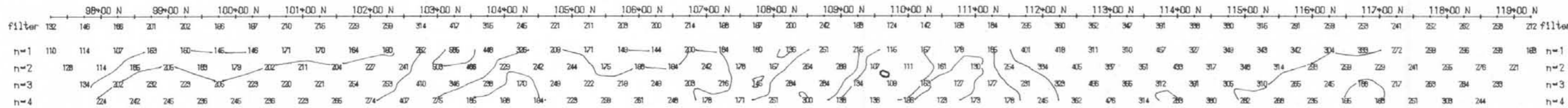


Instrument : EDA 1P6
 Pole-Dipole Array, n=1-4, a=50m.
 Current Electrode to the South.
 Logarithmic contours : 1,1.5,2,3,
 5,7.5,10...0m-m
 10 Point Filter : *

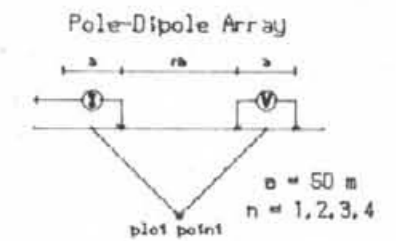
A diagram showing a 10-point filter array. It consists of a central point surrounded by two concentric circles of points. The inner circle has 4 points and the outer circle has 6 points, for a total of 10 points.

A scale bar with markings at 200m, 100m, 0m, 200m, and 400m.

BP RESOURCES CANADA LIMITED
RESISTIVITY SURVEY
 ANOM PROJECT, OMINCA M.D., B.C.
 BASELINE AZIMUTH : 90 Deg.
 SCALE = 1 : 10000 DATE : AUGUST, 1991
 SURVEY BY : JLJ/KNC NTS : 93N/1
 PLAN : ANOMRES BPVR 91-6
 Pacific Geophysical Ltd. FIG. 8



Line 8000 E



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

INTERPRETATION

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

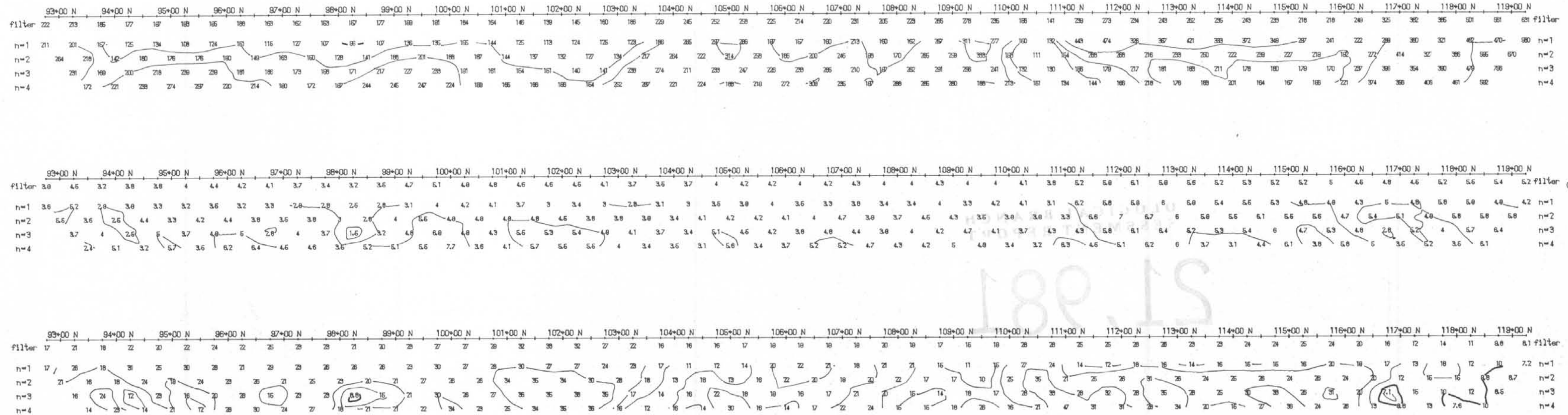
BPVR 91-6
FIG. 9

BP RESOURCES CANADA LIMITED
INDUCED POLARIZATION SURVEY
Anom Project
Omineca M.D., B.C.

Date: July, 1991
Interpretation by:
NTS: 93N/1
Scale 1:5000

Pacific Geophysical

A.R. 21981

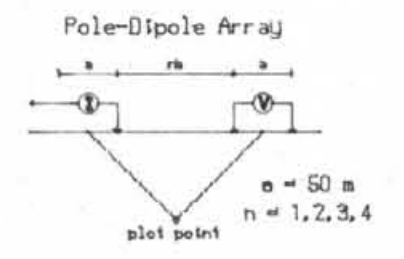


RESISTIVITY
(ohm.m)

OBS. CHARGEABILITY
(msec)

METAL FACTOR
(sp/ree = 1000)

Line 8500 E



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

Instrument : EDA IP-6
Frequency : 2s ON / 2s OFF
Operators : J.L./KNC

INTERPRETATION

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

BPVR 91-6

Fig. 10

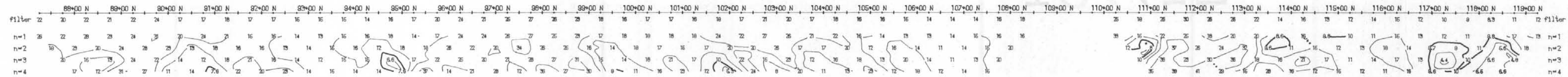
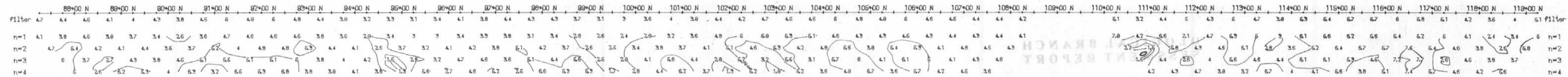
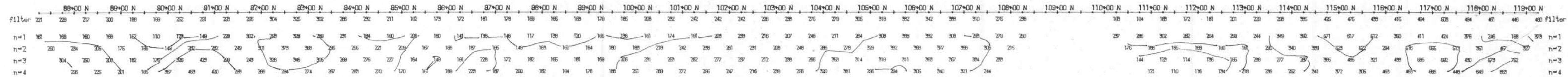
BP RESOURCES CANADA LIMITED

INDUCED POLARIZATION SURVEY
Anom Project
Omineca M.D., B.C.

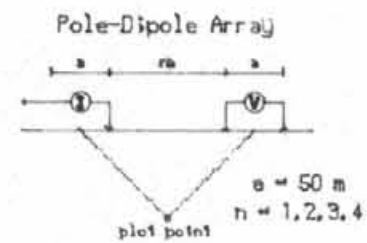
Date: July, 1991
Interpretation by: NTS: 93N/1
Scale 1:5000

Pacific Geophysical

A.R. 21981



Line 9000 E



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

Instrument EDA IP-6
Frequency 2e ON / 2e OFF
Operators JLW/KNC

INTERPRETATION

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

BPVR 91-6

FIG. 11

BP RESOURCES CANADA LIMITED

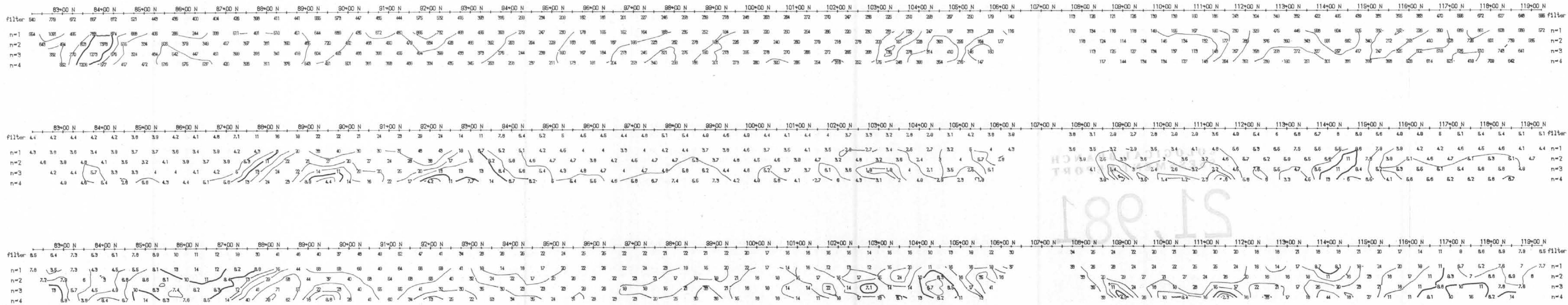
INDUCED POLARIZATION SURVEY

Anom Project
Omineca M.D., B.C.

Date: July, 1981
Interpretation by: NTS: gsn/1
Scale 1:15000

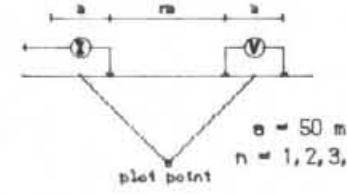
Pacific Geophysical

A.R. 21981



Line 9500 E

Pole-Dipole Array



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

Instrument: EDA IP-6
 Frequency: 2s ON / 2s OFF
 Operators: J.J./KNC

INTERPRETATION

Strong increase in polarization

Moderate increase in polarization

Weak increase in polarization

BPVR 91-6 FIG. 12

BP RESOURCES CANADA LIMITED

INDUCED POLARIZATION SURVEY
 Anom Project
 Onineca M.D., B.C.

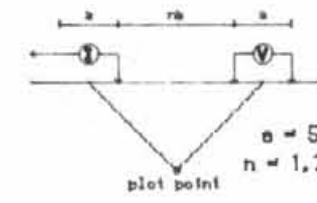
Date: July, 1991 NTS: 93N/1
 Interpretation by: Scale 1:5000

Pacific Geophysical

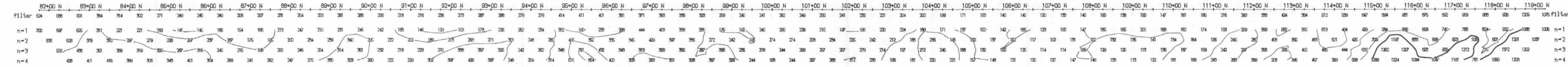
A.R. 21981

Line 10000 E

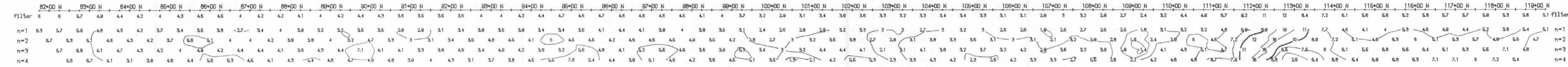
Pole-Dipole Array



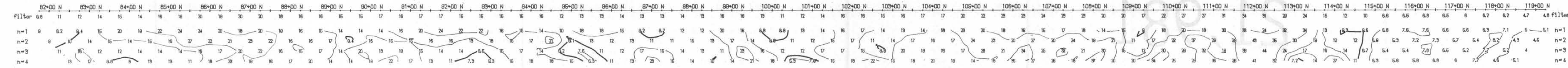
a = 50 m
n = 1, 2, 3, 4



RESISTIVITY (ohm-m)



OBS. CHARGEABILITY (msec)



METAL FACTOR (sp/1000)

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

Instrument : EDA IP-6
Frequency : 2e ON / 2e OFF
Operators : JLJ/KNC

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

BPVR 91-6 FIG. 13

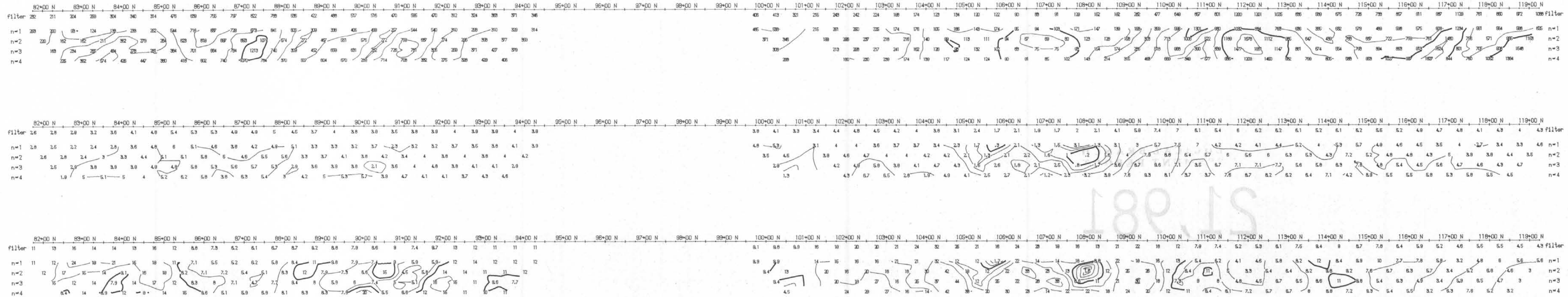
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INDUCED POLARIZATION SURVEY
 Anom Project
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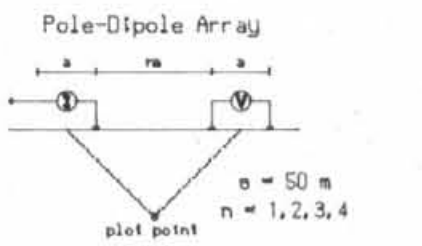
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Line 10500 E



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

Instrument : EDA IP-6
 Frequency : 2e ON / 2e OFF
 Operators : JLL/KNC

INTERPRETATION

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

BPV 91-6 FIG. 14

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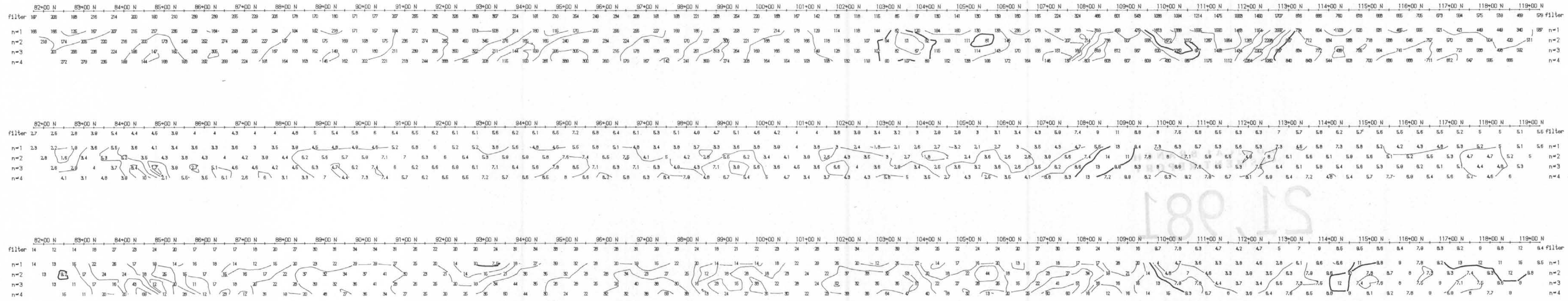
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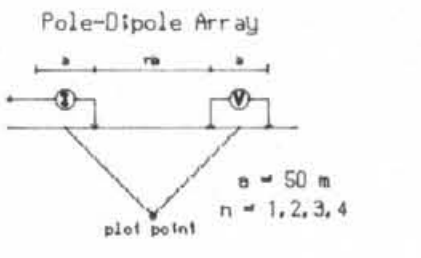
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RESISTIVITY
(ohm-m)

OBS. CHARGEABILITY
(msec)

METAL FACTOR
(sp/1000)

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

Instrument : EDA IP-6
Frequency : 2e ON / 2e OFF
Operators : J.L.J./K.N.C.

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

BPVR 91-6 FIG. 15

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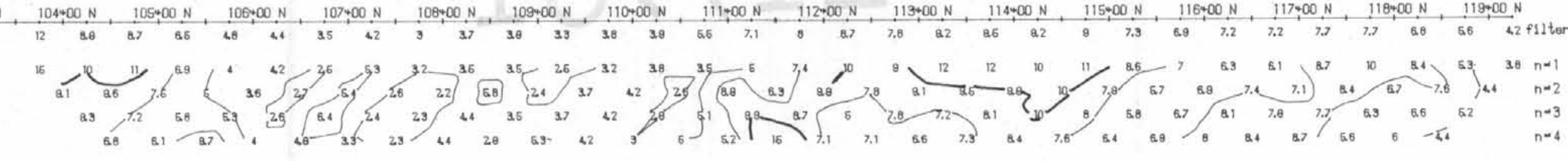
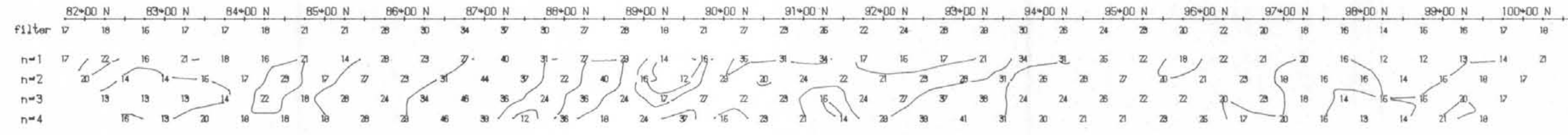
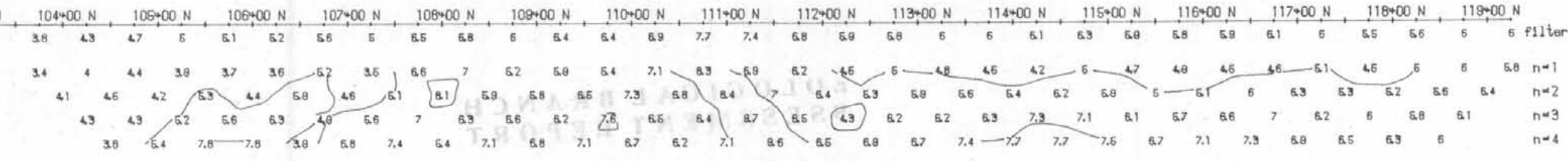
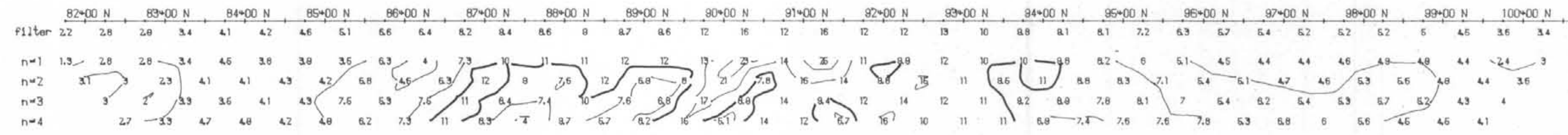
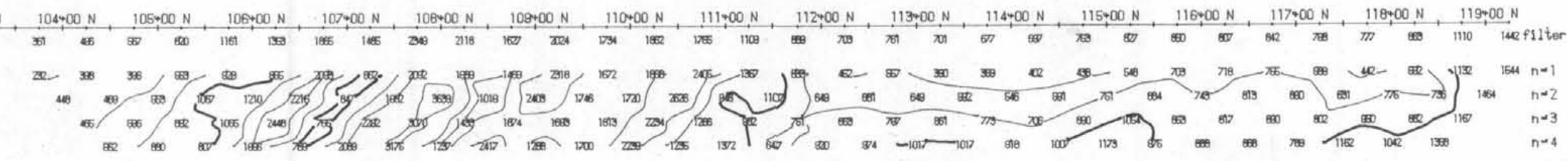
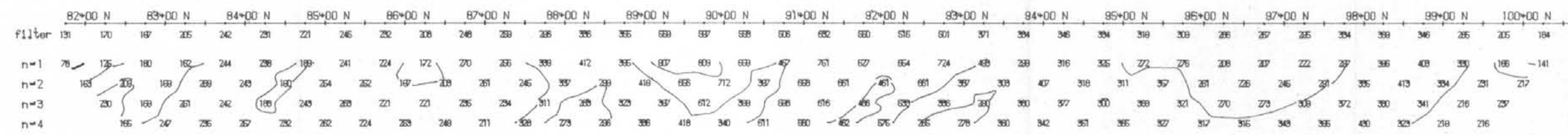
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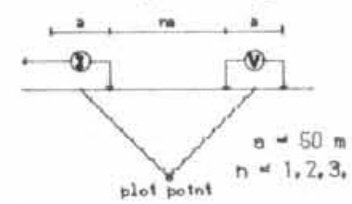
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Line 11500 E

Pole-Dipole Array



RESISTIVITY
(ohm.m)

OBS. CHARGEABILITY
(msec)

METAL FACTOR
(ip/res = 1000)

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

Instrument: EDA IP-6
Frequency: 2e ON / 2e OFF
Operators: J.L.J./K.N.C.

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

BPVR 91-6 FIG. 16

BP RESOURCES CANADA LIMITED

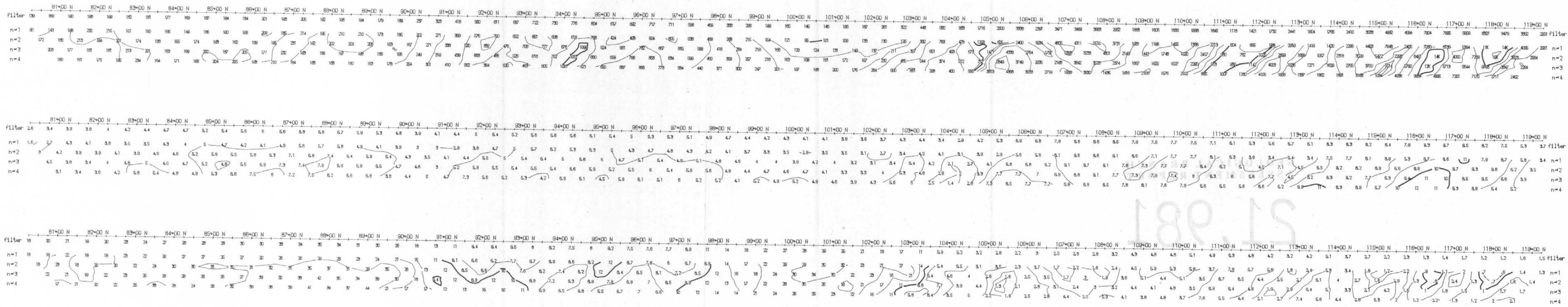
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Date: July, 1991 NTS: 93N/1
 Interpretation by: Scale 1:5000

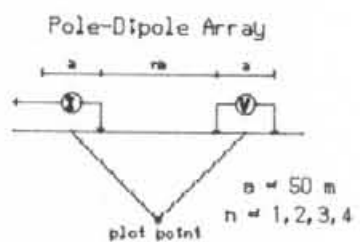
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Line 12000 E



RESISTIVITY (ohm.m)
 OBS. CHARGEABILITY (msec)
 METAL FACTOR (1p/hec = 1000)

Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10, ...
 Instrument: EDA IP-6
 Frequency: 1/2e ON / 2e OFF
 Operators: J.L./KNC

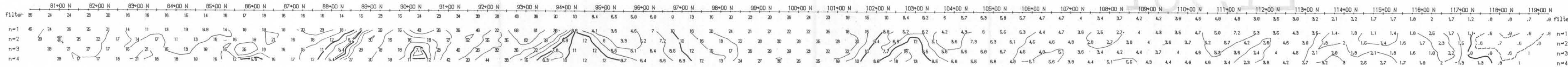
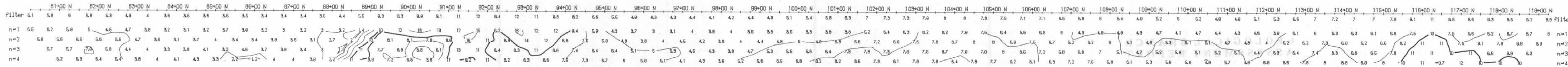
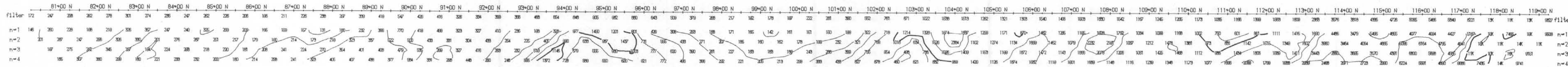
INTERPRETATION

- Strong Increase in polarization
- Moderate Increase in polarization
- Weak Increase in polarization

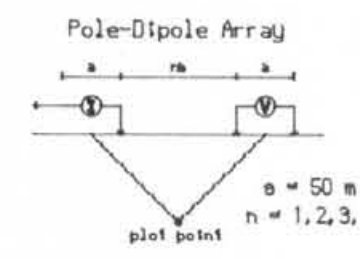
BPVR 91-6 FIG. 17
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Line 12500 E



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

Instrument : EDA IP-6
 Frequency : 2s ON / 2s OFF
 Operators : J.L./KNC

INTERPRETATION

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

BPVR 91-6 FIG. 18
 BP RESOURCES CANADA LIMITED

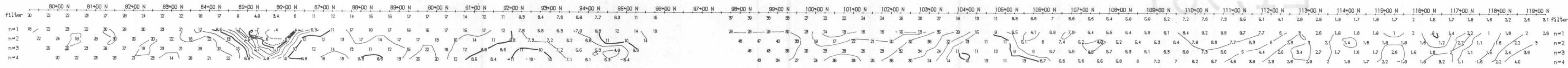
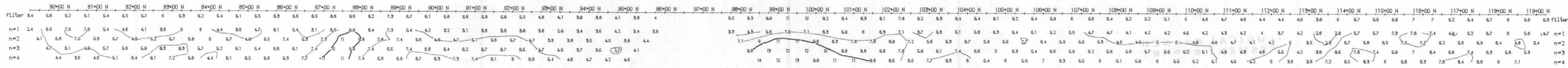
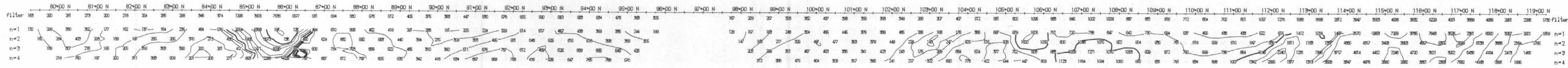
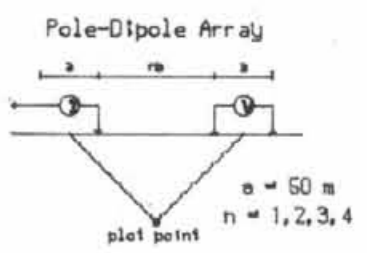
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Line 13000 E



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

Instrument : EDA IP-6
Frequency : 2e ON / 2e OFF
Operator : J.L.J./K.N.C.

INTERPRETATION

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

BPVR 91-6 FIG. 19

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Date: July, 1991 NTS: 93N/1
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