ASSESSMENT REPORT OF LINECUTTING, GEOLOGIC MAPPING,

AND IP-RESISTIVITY SUP	LOG NO: DEC 30 1991 RD.			
on the ANOM 1-5 CLA	NIMSION:			
Fort St. James Area, North-Central B.C.				
Omineca Mining Divis NTS: 93N/2E	sion 19 etc.			

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

SUB-RECORDER RECEIVED	
DEC 1 9 1991	
 M.R. #\$ VANCOLIVER, 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 J. B. Binns GEOLOGICAL BRANCH R.H. Wong ASSESSMENT REPORT

C. T. Barrie

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1. <u>SUMMARY</u>

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 jointventure 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.

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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.

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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.



4. <u>CLAIM DATA</u>

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

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Claim <u>Name</u>	Units	Record No.	Claim <u>Group</u>	Current <u>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	ŧ	June 19, 1997
ANOM 5	18	12310	n	July 14, 1997

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

* upon acceptance of applied assessment.



5. <u>HISTORY</u>

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).

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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. **<u>REGIONAL GEOLOGY</u>**

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 Hogem 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).

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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 porphyrytic 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 (argiilite), 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).



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 deuteric 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:

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- 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. <u>LINECUTTING</u>

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 picketted stations at 25 m intervals.

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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.



8. <u>PROPERTY GEOLOGY</u>

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 plagiocalse 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.

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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 = = > 2 garnet + CO_2 + H_2O_2 .

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).

	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
wt%						
SiO2	50.51	48.47	66.80	52.69	47.00	48.47
TiO2	0.72	0.96	0.14	0.74	1.09	1.05
A1203	3 20.02	18.66	16.33	17.76	16.22	16.84
Fe2O	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
Na2O	3.04	3.35	5.55	3.53	2.86	3.00
K2O	3.58	2.52	5.70	4.28	2.80	1.58
P2O5	0.94	0.38	0.06	0.60	0.22	0.34
LOI	1.71	1.30	0.46	1.95	1.68	<u>1.31</u>
Total	100.25	100.11	99.7 0	100.30	99.6 1	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 4	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
Со	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(pr	ob)13	2	0	6	0	0
As	2	2	5	2	2	30
Sb	0	0.4	1	1	0.6	5
СТВ9	1-40: Horr	blende biotite i	nonzonite, coa	rse-grained, 1	moderately m	agnetic.

Table 1

$CID \mathcal{I} = \mathbf{V}$.	nonnoichde biothe monzonne, coarse-gramen, moderatery m	a

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

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

Hornblende biotite monzodiorite, slightly magnetic. CTB91-43:

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

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

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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.

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9. <u>I.P.-RESISTIVITY SURVEY</u>

A) Summary

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

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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 $N100^{\circ}$ 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.

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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.

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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" (<u>Ma</u> x 1000) Pa

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.

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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 \pm 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

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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.

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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.

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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.

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- 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

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STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

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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

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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

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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.

Allong Russell H. Wong **Project Geologist**

December, 1991 Vancouver, B.C APPENDIX II

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STATEMENT OF COSTS

STATEMENT OF COSTS

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1.	Linecutting:		
	49 line-kms @ \$600		\$29,400.00
2.	<u>I.P. Resistivity Survey</u> :		27 300 00
	55 mie-kiis @ \$700		27,500.00
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 geochen analysis @ \$84	nical	504.00
	- vehicle for 8 days @ \$40		320.00
		TOTAL:	\$59,449.00

APPENDIX III

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ROCK SAMPLE DESCRIPTIONS AND RESULTS

APPENDIX III

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ROCK SAMPLE DESCRIPTIONS and RESULTS

Sample No.	Grid Coordinates	Description
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	Medgrained 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)

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<u>Sample No.</u>	Grid Coordinates	Description
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 ANALY	FICA	L LA	BOR	ATOR	IES	LTD		8	52 E. HA	STI	NGS	ST.	VANCOU	VER	B.C.	V6	A 1R6		PHO	DNE (6	04)25	3-3	158 1	'AX (604)	253-1	716
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101016 101017 101018 RE 101015 101019	1 1 1 1 19	120 39 79 -197 237	10 4 4 7	79 191 25 39 47	.3 .2 .1 .3 .4	22 15 11 22 8	20 10 11 18 8	698 551 333 505 394	3.77 11 2.09 9 3.54 2 3.93 7 4.23 11	5 5 5 5 5	ND ND ND ND	1 1 2 1 3	120 .2 108 1.2 92 .2 270 .2 75 .2	2 2 2 2 2	2 2 2 2 2 2	79 101 108 117 100	2.07 .10 4.01 .08 1.14 .27 2.77 .14 1.12 .29)9 31 79 1 55 20 1	3 2 2 2 0 2 3 3 1 2	2 1.36 1 .65 0 .49 0 1.25 1 .63	82 25 68 294 78	.22 .21 .13 .31 .23	2 2.5 9 2.2 2 .9 5 4.1 2 1.3	0 .2 B .0 2 .0 9 .4 9 .1	2 .19 7 .10 5 .12 3 1.13 0 .33	9 1 0 1 2 1 3 1 3 1	4 2 7 -4 7
101020 101021 101022 101023 101024	2 3 1 1	207 248 20 135 117	5 15 11 29 2	26 188 96 212 45	.2 .6 .1 .4	15 33 6 21 13	14 28 7 19 10	407 686 604 616 451	3.95 4 5.72 27 2.91 3 4.15 9 3.21 2	5 5 5 5	ND ND ND ND	3 1 1 1 1	98 .2 99 .8 116 .2 214 1.2 104 .2	2 2 2 2 2 2	2 2 2 2 2 2	92 119 58 107 79	1.37 .20 1.59 .1 1.14 .1 2.67 .14 1.23 .2	50 1 18 14 1 15 75	0 3 2 3 3 1 5 2 9 3	0 .64 6 2.29 0 .69 7 1.49 0 .70	63 157 54 218 72	.21 .27 .23 .24 .12	3 1.1 2 3.3 3 1.4 5 4.5 4 1.3	8 .0 0 .2 2 .1 0 .3 1 .0	7 .32 1 .94 1 .16 8 .76 9 .14	2 1 4 1 6 1 6 1 4 4	5 5 1 3 5
101025 101026 Standard C/AU-R Standard C	2 2 18 18	130 109 58 58	2 5 39 38	34 29 127 134	.1 .1 6.8 6.9	12 11 70 69	13 9 33 32	430 312 1093 1032	4.09 2 3.21 2 4.00 39 3.92 36	5 5 18 18	ND ND 6 6	4 1 35 37	70 .2 63 .2 52 18.4 51 18.6	2 2 14 14	2 2 17 19	113 92 54 56	1.36 .3 1.12 .10 .48 .0 .48 .0	10 1 57 73 3 70 3	3 2 8 2 6 5 5 5	6 .65 1 .56 6 .89 8 <u>.88</u>	77 86 183 176	.21 .18 .09 .09	3 1.0 3 1.0 34 1.9 33 1.8	6.0 0.0 1.0 7.0	6 .20 17 .11 16 .11	0 1 5 1 5 13 5 11	2 2 480 -

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HN03-H20 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 AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE. Samples beginging 'RE' are duplicate samples. - SAMPLE TYPE: ROCK

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6.11

جايجا فالمحمد ستستحد جاريان الوالد للمس

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: EDA JP6 Instrument Pole-Dipole Array, n⊐1-4, a⊐50m. Current Electrode to the South. Logarithmic contoure : 1,1.5,2,3, 5,7.5,10...Ohm∽m 10 Point Filter : * * * 4ØØm 2ØØm BP RESOURCES CANADA LIMITED RESISTIVITY 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 : ANOMRES BPVR 91-6 Pacific Geophysical Ltd. FIG.8 BPVR 91-6

SEOSOFT (tan) Software for the Earth Sclehose. Toronto, Canada

			984	00 N		99+00	N	. 1	00+00	N D	10	1+00	Ν.	102+	N 00	103	100 N	104	+00 N		105+0	DN.	106+	00 N .	107	00 N	108	00 N	109	00 N	110	+00 N	111
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107+00 N 104+00 N 105+00 N 106+00 N 108+00 N 100+00 N 101+00 N 702 1677 729 714 200 242 168 124 filter 132 146 166 2011 -100 0 254 289 70 242 175 22 178 167 111 50n=2 128 114 179 The 120 718 284 127 n=3 134/ 298 h=4 24



95+00 N 96+00 N 97+00 N 98+00 N 99+00 N 100+00 N 101+00 N 102+00 N 103+00 N 104+00 N 105+00 N 106+0 185 177 187 188 185 186 163 162 163 167 177 188 181 184 164 146 139 145 160 186 729 245 752 758 725 filter 222 213 - 96 - 107 134 108 177 28 187 180 126 126 180 128 n=2 198 171 /217 20 / 238 / 274 239 179 / 169 218 Z39 181 186 231 244 724 172 -721 n=4

105+00 N 106+ 100+00 N 101+00 N 102+00 N 103+00 N 95+00 N 96+00 N 97+00 N 98+00 N 99+00 N 104+00 N 93+00 N filter 38 45 32 38 38 4 44 42 41 37 34 32 36 47 51 48 48 46 46 45 41 37 36 37 4 42 42 3.0 33 -28 28 25 26 - 31 4 42 41 37 3 34 3 - 28 - 3128 3.0 3.3 3.2 3.6 3.2 n=1 3.6 28 4 55 4.2 4.2 4 48 48 48 48 45 38 38 30 36 25 44 33 42 44 38 35 38 n=2 5.5/ 37 40-5 28 4 37 (1.6 32 48 68 48 43 (55 53 54 48 41 37 34 51 45 42 3.7 4 25 n#3 55 7.7 36 41 57 56 56 4 34 35 31 56 34 3. 36 62 64 46 24. 51 32 52-51 157 46 n=4 35

94+00 N 95+00 N 96+00 N 97+00 N 98+00 N 99+00 N 100+00 N 101+00 N 102+00 N 103+00 N 104+00 N 105+00 N 106+ 93+00 N filter 17 21 18 22 20 22 24 22 25 28 28 21 20 28 77 77 28 32 38 32 27 22 16 16 16 17 18 17 11 12 14 23 30 27 n=1 17 / 26 18 31 25 77 26 26 34 35 34 30 28 18 13 18 13 16 22 n=2 21-16 18 24 18 24 23 (80) 16 (24) [72] 23] 14 16 22 18 18 n=3 28 (15) 29 29 -1 n=4

EDSOFT (ts) Software for the Earth Sciences. Iononto, Canada

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SEDSOFI (ta) Software for the Earth Sciences. Ionanto, Dahade

N O		102+0	ON,	103	00 N	104	100 N	105	+00 N	106	-00 N	102	100 N	108	8+00 N	109+00 N	110+00 N	1119	00 N	112	00 N	113	N 00-	. 11	4400 N	, 115	+00 N	116	00 N	117
242	2	12	242	226	238	7/6	7279	305	318	382	342	359	310	7/5	296		165	184	189	172	181	201	729	298	385	45	45	68	415	484
. 181.	2	08	239	216	207	248	211	264	-308	398	392	308	-28	779	250	×	7397	296	302	282	264	259	244	349	362	-51	617	572	350	411
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30	-	64	42	4.7	4.5	4.6	6	4.8	4.8	б	4.6	4.5	44	4.4	4.2		5.1	32	4.6	5	43	g	4.7	3.8	63	54	6.7	6.7	6	58
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	83+0	00 N	84+00 N	85+00	IN E	36+00 N	87+00	N 8	8+00 N	89+00 N	90+1	00 N .	91+00 N	92+00	N S	3+00 N	94+00 N	99, 19	5+00 N	96+00 N	97+00	N 9	18+00 N	89400 N	100+00	N 101	N 004	102+00 N	103+00	N 104	NUUN	105+00 N	100+00 1		100	UU N	IUSTOU N	110400	N 11	1400 N	1147
filter .	44 42	44 4	4.2 4.2	3.8	3.9 4.2	41	4.8	7.1 11	16	18 72	72	21	24 23	29	24 14	11	7.8 6.	4 52	5	4.5 4.5	4.4	48 51	5.4	48 46	49 4	4 41	4.4	4 3.7	3.3 3	2 2.6	2.0 3	3.1 4.2	3.8 3.4	1	3.8	31	28 27	28	28 29	3.6	4.9
n=1 h=2 n=3 n=4	43 3.8 46 3.8 42 4.9	3.6 3 8 4.8 4.4 5 9 4.6	34 39 41 57 33 - 54	3.7 3.5 3.2 3.3 2.8 6.6	37 36 41 4 4 43	3 34 39 3 41 44 5	3.9 7 3.9 4.2 1 5.8-	42 43 5 53 19	11 24 24 23	20 - 21 72 - 14 85		- 30 20 20 - 16	30 - 31 24 20 25 22 -	8 20 20 0 0	19 19	16 87 19 7.7 14	52 5 88 58 87	42 46 8 54 82.	45 47	4 4	33 42 45 4 46 58	4 4.2 4.7 4.7 4.8 6.7	44 47 53 58 7.4 55	37 38 37 62 44 7.3	4.6 3 4.8 4.5 4.8 6 4.2 4.9	46 3 46 3 52 37 58 4	4.1 3.7 1 ·27	35 38- 37 61 36	27- 3 48 32 1.8 1.8 31	4 2.5 36 2 8 4	2.7 3 4 3 8 2.1 8 2.5	12 5 15 25 29 0	67 Z8 61 1.9		88 84 C 1 0 R-1	35 41 39	22 -29 39 14 3-	3.5 3.6 2.4 3.5 1.4	3.4 41 3.6 2.6 32 1.2	48 32 46 22 -23 -3	56 6 45 5
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filter	85 84	7.3	5.3 6.1	7.8	8.9 10	11	12	10 30	41	46 40	37	45	48 52	Q	41 34	28	26 2	Б 72	24	25 25	72	72 71	72	21 22	20	17 16	16	15 15	14 1	15 16	10	19 10	72 3		34	25	24 72	20	21 20	70	20
n=1 n=2 n=3 n=4	7.8 3.5	7.3 6 57 9	43 45	6.7 14	81 13 81 83 83	14 10 82 7.6 8	83	82 88 13 11	28 98 71 76 62	4 (B) 4 51 /16	37 4 23 8.8 2	60 80 40 8 41	49 64 54 55 55 40	55 58 55 41 34 - 13	50 41 40 50 30 75	32 24 35 72 53	14 11 22 - 30 2 34	8 17 17 13 23 35	20 28 29 24 31	22 36 23 28 26 ∕ 29	22 22 23 19 23 23	24 23	19 19 19 18 21 25 25	15 20 	22 21 16 16 16 16	17 - 14 18 18 18	16 J7 14 11	12 16 14	21	24 14 TH TH	11 (27) 82	16 16 19 11	35 16 35 16 19		38 .	25 35 36 35	28 24 29 29 21 24 24 24	24 27 21 26 10	72 25 77 10 28	24 75 - 16	24 6 12 13



107+00 N +00 N 97+00 N 298 257 250 179 140 259 218 248 263 264 272 270 247 256 225 210 161 201 227 246 258 165 162 164 16 728 363 255 164 177 134 146 134 282 187 228 226 278 314 127 194 197 119 148 / 257 / 358 / 258 184 213 245 321 275 160 213 773 280 320 285 254 318 117 144 194 252 - 175 - 248 366 354 - 216. 28



82+00 N 83+00 N 84+00 N 85+00 N 86+00 N 87+00 N 88+00 N 89+00 47 46 46 45 45 41 4 37 32 28 31 34 38 36 33 32 33 34 34 38 31 31 28 3 32 28 27 24 32 44 48 67 82 11 12 84 7.2 61 56 56 52 58 57 57 58 53 55 51 filter OBS. CHARGEABILTY filter 6 5 43 3.6 47 44 4.7 4.6 48 44 42 42 42 41 4.4 26 28 28- 32 n=1 6.3 48 36 47 28 27 3 32 36 38 27 28 31 38 33 36 31 3 31 32 28 28 1.5 24 41 6 46 46 4,5 4,5 42 45 4,6 n=2 6.3 38 32 56 48 41 38 28 36 32 38 (8 714) 41 43 51 47 36 30 153 34 3 32 44 44 41 21 31 41 ,52 32 n=3 44 7.1 41 4.2 6.8 4.2 4.4 4.4 5.5 74.8 44 38 61 46 42 36 36 13-21 42 56 59 29 39 43 42 22 26 46 51 55 -87-7.5 n=4 5,6 3.8 5.6 6.3 4.3

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SSSMENT REPORT

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n-1	23	2.	2	1,0 /	3.6	- 5.5/	3.6	41	3.4	3.6	3.3	3.6	3	3.5	3.0	4.5	4.8	-49	4.6	5.2	6.8	6	5.2	52	3.8	- 5,6	-4.8	45-	5.6
n≓Z		28	1.6	/3.4	Ę	13 3	£	5 43	3.	8 4,3	4	42	3.6	9 4,4	6.2	5.6	5,7	5,8	7.1	7	5.3	6	6	4 5	3 5.6	5.6	5.8	7.6	-7.4
n=3		2	6	2.9	4	3.7 (ET.	12)	3.0	27	51-	46	4.6	4.2	46	6.3	4.72	6.2	7.4	6	6,2	6.6	6.0	6.1	7.1	6.4	5.6	.7.8	8.5
n=4			4,1	3.1		1,8 3	10 62	21	5	5- 3.5	6.1	26	6	3 31	3.3	7	43	7.3	7.4	5,7	6.2	6.6	6.	Б 7.	.2 5.7	6.6	8.5	8	6.6

	82+0	N O	83	00 N	84+00	N	85+00	N	86+00	N 87	*+00 N	88+00	N	89+00	N	90+00	N	91+00 M	1	92+00	N	93+00	N	94+00	N,	95+00	N	96
filter	14	12	14	18	77	23	24	20	17 1	7 17	18	20	77	30	31 3	4 3	14 3	31 2	5	22	20	20	24	31	34	33	29	28
n=1	14	13	15	\ [™]	26 、	17	19	14_	16 1	8 /14	12	16	20	23	2 7	9 2	9	z z	5	20	Y	10	2.5	10-	7.	39	32/	28
n=2	13	a	3 \	17 24	24	L 10	25	15-	17	15	16	17 22	(37	32	34	37	41	30	23	ZI	U	15	-21	35	35	32	78	1 7
n=3		13	11	A D	16	1/ 8	12	1 65	11]1	7 18	a	72	28	39	32 3	6 4	n (2	8 3	5	76	20	18	34	44	35 /	26	28	25
n=4		1		11 20	- 'a'	68	1015	28	- 12 1	(23)	12	31 18~	- 20	48	T	36	34	- 77	25	20	25	- 35	50	44	30	24	72	i = 1

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$\frac{112+00 \text{ N}}{112+00 \text{ N}} + \frac{113+00 \text{ N}}{112+00 \text{ N}} + \frac{115+00 \text{ N}}{112+00 \text{ N}} + \frac{112+00 \text{ N}}{112+00 \text{ N}} + \frac{119+00 \text{ N}}{112+00 \text{ N}$		
$\frac{112+00 \text{ N}}{43 63 7 57 58 62 57 58 58 55 55 55 55 55 55 51 56 611 685, 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 00$	112+00 N 113+00 N 114+00 N 115+00 N 116+00 N 117+00 N 118+00 N 119+00 N 1653 1460 1707 816 866 760 618 866 865 705 673 594 575 518 469 579 Filter RESISTIVITY 1466 1154 237 734 604 1103 520 531 465 955 521 421 448 448 340 957 n=1 1261 7228 957 712 634 565 718 566 646 757 570 633 504 420 511 n=2 1264 7200 85 864 77 469 448 360 551 n=2 1264 7200 85 864 77 55 665 n=4	Line 11000 E Pole-Dipole Array
$\frac{112+00 \text{ N}}{42 47 5 7 9 85 85 85 84 7.9 83 82 9 83 12 9 88 12 84 119+00 119+00 119+00 119+00 119+00 119+00 119+00 119+00 119+00 119+00 119+00 119+00 119+00 119+00 119+00 119+00 119+00 119+00 119+00 119+00 119+00 119+00 119+00 119+00 119+00 119+00 119+00 119+00 119+00 119+00 119+00 119+00 119+00 119+00 119+00 119+00 119+00 119+00 119+00 119+00 119+00 119+00 119+00 119+00 119+00 119+00 119+00 119+00 119+00 119+00 119+00 119+00 119+00 119+00 119+00 119+00 119+00 119+00 119+00 119+00 119+00 100 119+00 11000 10000 10000 10000 10000 10000 100000 100000 100000000000000000000000000000000000$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10, Instrument : EDA IP-6 Frequency : 2s ON / 2s OFF Operators : JLJ/KNC INTERPRETATION
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	<u>112+00 N 113+00 N 114+00 N 115+00 N 116+00 N 117+00 N 118+00 N 119+00 N</u> 42 47 5 7 8 85 85 86 84 7,9 83 82 8 88 12 84 filter METAL FACTOR	Strong Increase in polarization Moderate Increase in polarization Weak Increase in polarization BPVR 91-6 FIG. 15
	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	BP RESOURCES CANADA LIMITED INDUCED POLARIZATION SURVEY Anom Project Ominece M.D., B.C. Date: July, 1991 NTS: 93N/1 Interpretation by: Scale 1:5000

83+00 N 84+00 N 85+00 N 86+00 N 87+00 N 88+00 N 89+00 N 90+00 N 91+00 N 92+00 N 93+00 N 94+00 N 95+00 N 205 242 251 221 246 252 206 248 259 226 356 356 356 359 357 558 506 652 550 555 501 371 354 346 354 319 filter 131 120 n=1 78_ 809 n=2 357 612 399 688 616 486 539 386 720 390 377 370 n#3 269 323 n=4 - 508 / 773 236 336 418 340 -611 HO - 40 575 265 778 360 342 165 247 235

82+00 N 83+00 N 84+00 N 85+00 N 86+00 N 87+00 N 88+00 N 89+00 N 90+00 N 91+00 N 92+00 N 93+00 N 94+00 N 95+00 N 3.4 4.1 4.2 4.6 5.1 5.6 5.4 8.2 3.4 8.6 8 8.7 8.6 12 16 12 16 12 12 13 10 8.8 8.1 8.1 7.2 filter 22 28 28 17. 5. 14 15 11 18 88 n=1 1.3_ 28 10_10-88 82 6 J5 11 (86 n≝2 23 6.8 8.3 n×3 7.6 5.9 E 84 -7.4 12 14 12 11 82 89 7.8 81 43(n=4

N 85+00 N 86+00 N 87+00 N 88+00 N 89+00 N 90+00 N 91+00 N 92+00 N 93+00 N 94+00 N 95+00 N filter 17 18 15 17 17 18 21 21 28 30 34 37 30 77 28 18 21 77 23 25 22 24 28 28 30 26 24 28 n=1 17 , 22 - 16 21 - 18 n≓2 22 18 28 24 34 46 36 24 36 24 17 77 72 23 16 24 77 37 38 24 24 26 22 n#3 13 13 13 14 16 13 20 18 18 18 28 28 46 39 12 38 18 24 37 16 23 2 14 28 39 41 31 20 21 21 23 n=4

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-	96+00	N	974	00 N	98+0	00 N	99+(00 N	100+0	O N	101+00 N	102+00 N	103+00 N	104+0	ON.	105	00 N	106+0	N DC	107	00 N	108	00 N	109	00 N	110+0	N OC	111+0	NO
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8	8 261 217 317	208 726 770 316	207 20 273 30	222 5 309 6 35	257 372 352	396 6 41 380 0 32	408 3 39 341 3 21	330 231 216 8 216	166 217 257	- 141				20 448	338 45 455	396 89 8 586 82 8	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	5005 1210 31065 188	2440		100 100 100 100 100 100 100 100 100 100	2012 10 10 10 10 10 10		1468 118 1874 1874	2318 05 174 1685 86 170	1672 6 173 1613 0 725	1956 733 7234 -123	2405 1286	-1357

9	96+00	N .	97+(00 N	98+	00 N	99+	00 N	1004	00 N	101+00 N	102+00 N	103+00 N	1044	00 N .	105*	00 N	1064	00 N	107+00	N	108+0	N O	109+0	N N	110+	00 N	111	+00 N	
6.3		5.7	5.4	5.2	5.2	52	5	45	3.6	34				3.8	4.3	4.7	5	5.1	5.2	5.6	5	6.5	6.8	6	6.4	6.4	6.9	7.7	7.4	
5,1	~	45	4.4	44	46	49_	-40	4.4	-24	_ 3				3.4	4	4.4	3.0	3.7	3.6	-57 3	15 }	6.6	7	62	5.0	5.4	7.1 🥄	8.3	-69	

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ŀ	96	-00	N.	9	7+00	N		98+0	O N		99+00) N	100	1400 N	1	101400 N	10	02+00 N	103+00 N	1044	00 N	10	5+00	N .	106+	00 N	107	+00 N	108	+00 N	109	00 N	110	OD N	111	+00 N
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1 5	18	21	2 2	21	10	20 18	16	6 16 4 13	12		2 15 15 21	20 10 10	14 18 17	21						15 B.	10 1 83	11 2.6 7.2	7.6 5.1	8 6 B.7	4 3(42	26	5.9 5.9 2.4 3.9	32- 26 23 23	35 22 44	3.5 3.5 2.8 5	26 4 3: 37 3- 4	- 32 7 4 42 2 3	38 2 27 20 6	35	10 6 10 6 10 10 10 10

	-	1 814	JUN	824	N DO	83+0	N DC	84+0	ND	85+0	NO	86+0	O N .	87+00	N.	88+0	N D	89+0	O N	90+0	O N	91+0	N	97+00	N	0340	ID N	04+00
filter	139	169	160	188	169	162	181	1277	169	187	184	184	201	198	205	182	186	184	179	189	237	323	418	52.00	611	857	722	730
n-1	80	10	198	232	215	161	160	166	149	186	180	168	209	165	214	- 165 /	210	210 >	173	195	317	78	-	-	-	-		
n=2	đ	172 18	5 (2	3 1	B4 - 201	174	4 18	185	174	165	162	189	165	231	5100	200	209	3 206	153	100	1 7	2	300	a lan	2º	662	861) ⁶⁶⁸
n=3		208	127	165	181	213	201	163	169	700_	167	ALS.	177	232	100	189	187-	- 188	166	186 /	249	319	199	653	40	700	110	5 676
n=4		16	0 16	ត ដ	75 185	230	1 / 164	171	186	201	205	-188	-210	-184	168	168	180	169	128	254	301	410	5	2 354	20	000	605	1ª Los

filter	10	8140	N N	87	2+00 N	8340	N,	84+00	N,	,85 % ,00	N,	86+00	N .	87+D	ON.	88+0	юŅ	89+0	N OC	90+00	Ń.	91+0	O N	92+0	N O.N	93+	DO N	94+	-00
1 4 8 908	10	a	£1	10	au	3	24	7	28	28	28	30	30	38	34	35	34	তা	30	26	18	13	11	8.4	8.4	8.5	8	8.2	7
n=1	18	19-	2/	18	18 }	23	ZZ	26	27	77	25	77	20	26	26	_ 29	28	23	24	71	15	11 .	81		6.2	**			
h=2	16	3 / 23	(18	l.	20-20	72	24	30	30	< 31			32		35	37	-	31 - 2	5	*	1	12	1.		1-		ar .	8.9	-
n=3		72	21	18	ZZ	73	25	28	28	洒	26	27 :	39	32	38	R	35	34	39	<u>م</u> آر	1	n	10	0 00	_ 0	1 "	5 8.2	1.	4
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81+00 N 82+00 N 83+00 N 84+00 N 85+00 N 86+00 N 87+00 N 88+00 N 89+00 N 90+00 N 91+00 N 92+00 N 93+00 N 94+00 Filter 172 247 258 252 278 301 274 255 247 252 226 206 166 211 226 236 257 339 418 547 426 416 326 334 359 356 468 654 218 326 367 247 240 325 259 209 165 159 11 287 247 285 385 380 201 776 287 231 217 179 180 714 173 728 387 327 320 483 381 304 483 724 725 495 980 187 775 782 345 787 184 724 728 718 720 181 708 241 724 770 354 401 408 479 335 589 327 416 728 726 718 718 78 185 357 380 289 180 721 728 722 720 180 714 728 241 328 405 407 488 377 584 381 728 448 720 728 585 1372 728 n=4

81+00 N 82+00 N 83+00 N 84+00 N 85+00 N 86+00 N 87+00 N 88+00 N 89+00 N 90+00 N 91+00 N 92+00 N 93+00 N 84+00 filter &1 &8 6 &8 &3 48 4 36 36 36 36 35 34 34 34 35 44 55 83 83 88 81 11 12 84 12 11 88 n-1 65 62 58 5 45 47 38 32 31 32 37 38 32 3 32 3 32 3 32 1,4 10 12 12 13 12 15 82 16 12 12 16 11 88 14 12 88 n=3 n=4

81+00 N 82+00 N 83+00 N 84+00 N 85+00 N 86+00 N 87+00 N 88+00 N 89+00 N 90+00 N 91+00 N 92+00 N 93+00 N 94+00 N 94+00 Filter 35 24 24 23 30 16 16 16 16 16 14 16 17 18 16 16 16 16 16 14 15 23 16 24 23 34 38 28 43 36 20 n≕1 45 /24 26 25 n=2 D=4

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N <u>95+00 N</u> <u>96+00 N</u> <u>97+00 N</u> <u>99+00 N</u> 100+00 N 101+00 N 102+00 N 102+00 N 102+00 N 105+00 N 115+00	Line 12500 E Pole-Dipole Array
N 95+00 N 96+00 N 97+00 N 99+00 N 100+00 N 101+00 N 102+00 N 103+00 N 105+00 N 105+00 N 105+00 N 105+00 N 109+00 N 110+00 N 110+00 N 113+00 N 113+00 N 115+00 N 115+0	Logerithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Instrument / EDA IP-6 Frequency / 2s ON / 2s OFF Operators / JLJ/KNC INTERPRETATION
	BODDOD Moderate Increase in polarization Heak Increase in polarization
10 8.4 8.5 5.9 8.9 9 13 16 20 23 29 26 24 23 19 15 10 8.4 8.2 6 5.7 6.3 5.8 5.7 4.7 4.7 4 3.4 3.7 4.2 4.2 3.9 4.5 4.9 4.8 3.9 3.5 3.8 3.2 2.1 2.2 1.7 1.7 1.8 2 1.7 1.2 .8 .8 .7 .8 filter	BPVR 91-6 FIG. 18
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	BP RESOURCES CANADA LIMITED INDUCED POLARIZATION SURVEY Anom Project Ominece M.D., B.C.
	Date: July, 1991 NTS: 93N/1 Interpretation by: Scale 1:5000
	Lactific geoph Bercar
	H) K, 21701

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567	88	834	478	8 39	B	305		167	209	257	328	352	437	396	356	358	348	286	307	407	512	581	800	1095	863	945	1022	1009	857	861
5 25 6	499	369	336 396	309	4	169		128	157	180	248	304	455 7, 4	45	376	369 578 4	455 63 / 1	786	100	175	- 356	607	B ()	1506 500 105	175	70-	-736	87 -	642 80	730
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	41	1	3.0	3.8	4,1	i j	3.8	4			6.5	8.3	8.8	n	10	82	8.4	8.3	8.1	7.8	6.2	6.3	6.4	6.4	6.1	6.2	6.4	5.9	6	5.6	5.4	5.2	52
	2.9	1	3.4	3.5	42	1	3.4	3.6			33	43_	5.6			6.3	5.0	6	6.3	7.1	3.7	/ 5.6	51	5.6	6.3	64	6.1	5.2	6.6	47	47 .	41	42
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	45	-	3.7	3.6	27	2	41					8.8	13	12	12	10	8.3	8.8	8.8	7.8	5.8	6.1	7.4	6.6	Б	6.3	5.4	6.6	5.8	6.2	5.8	5.8	6.7
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