ARIS SUMMARY SHEET

District Geologist, Prince George

Off Confidential: 92.08.14

ASSESSMENT REPORT 21808

MINING DIVISION: Omineca

PROPERTY:

Cat 18

LOCATION:

56 02 00 LAT

125 19 00 LONG

355648 10 6211996 UTM

094C03W NTS

CLAIM(S):

Cat 18 BP Res.

OPERATOR(S):

Humphreys, N.

AUTHOR(S): REPORT YEAR:

1991, 27 Pages

COMMODITIES

SEARCHED FOR: Gold, Copper

KEYWORDS:

Triassic-Jurassic, Hogem Batholith, Takla Group, Lapilli tuffs

Gabbros

WORK

DONE:

Geochemical

91 sample(s);ME SOIL

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ASSESSMENT REPORT on the

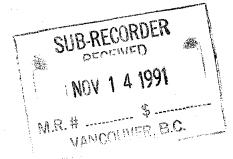
GEOLOGY and SOIL GEOCHEMISTRY on the

CAT 18 CLAIM

Osilinka River Area

OMINECA MINING DIVISION NTS 94C/3

Latitude 56°02' / Longitude 125°19'



BPVR 91-8

N. Humphreys November, 1991

GEOLOGICAL BRANCH ASSESSMENT REPORT

21,008

1. **SUMMARY**

The CAT 18 claim is part of a larger claim block covering a porphyry copper-gold prospect in north-central British Columbia. Work on the claim consisted of semi-reconnaissance soil sampling and geological mapping.

The claim is underlain by Takla Group lapilli and ash tuffs cut by porphyritic dykes of pyroxene gabbro and hornblende diorite. One exposure of lapilli tuff has ankerite-silica alteration but overall the rocks are not significantly altered or mineralized.

A total of 91 soil samples were collected and analyzed for gold and 30 other elements. Weak, scattered copper and gold anomalies were outlined. Due to the glacio-fluvial nature of much of the overburden, the source of the metal may be some distance from the anomalous soils.

Due to the lack of encouragement from the mapping and sampling program, no further work is recommended for the claim.

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2. <u>INTRODUCTION</u>

The CAT 18 claim is part of a 240 unit claim block covering an alkalic porphyry copper-gold prospect in north-central B.C. The CAT 18 claim was staked to cover the possible extension of copper and gold soil anomalies found in the southeastern corner of the property in 1990. The work on CAT 18 consisted of semi-reconnaissance soil sampling and limited prospecting and geological mapping.

3. LOCATION and ACCESS

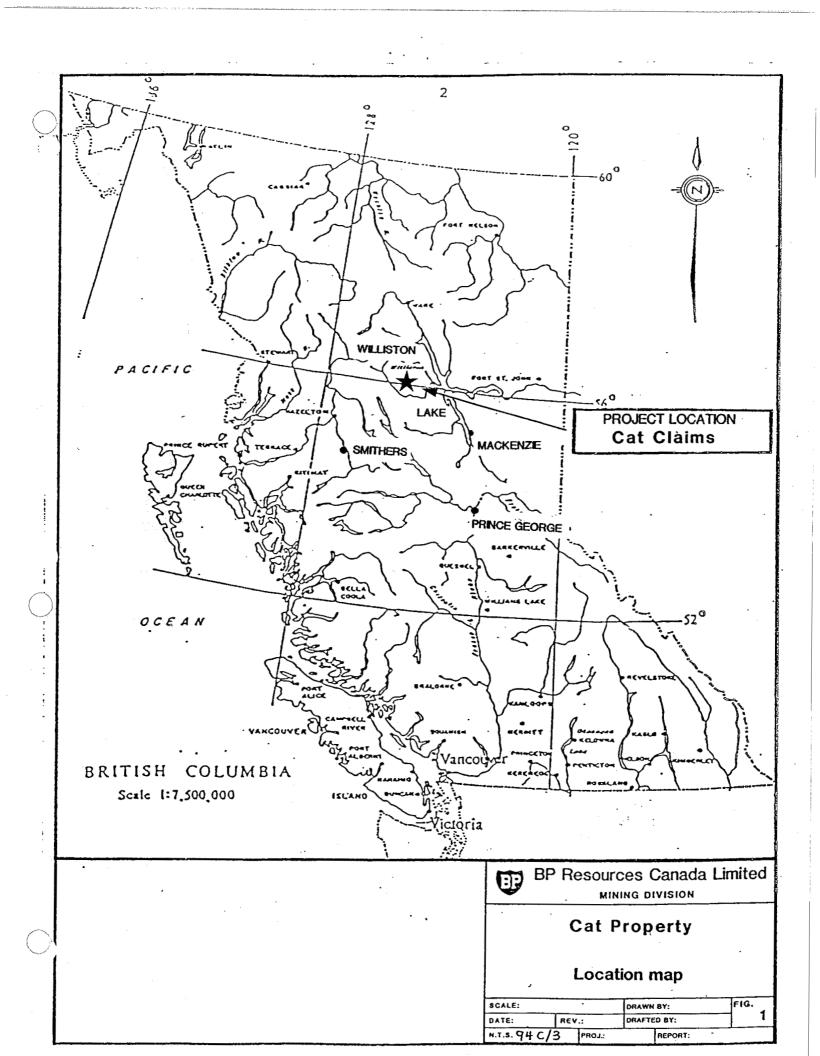
The property is located just north of the Osilinka River about 180 km north-northwest of Fort St. James, B.C. Access to the property is by way of a main line logging road that leaves Highway No. 97 near MacKenzie. Travelling time from the highway to the claims is about 3.5 hours.

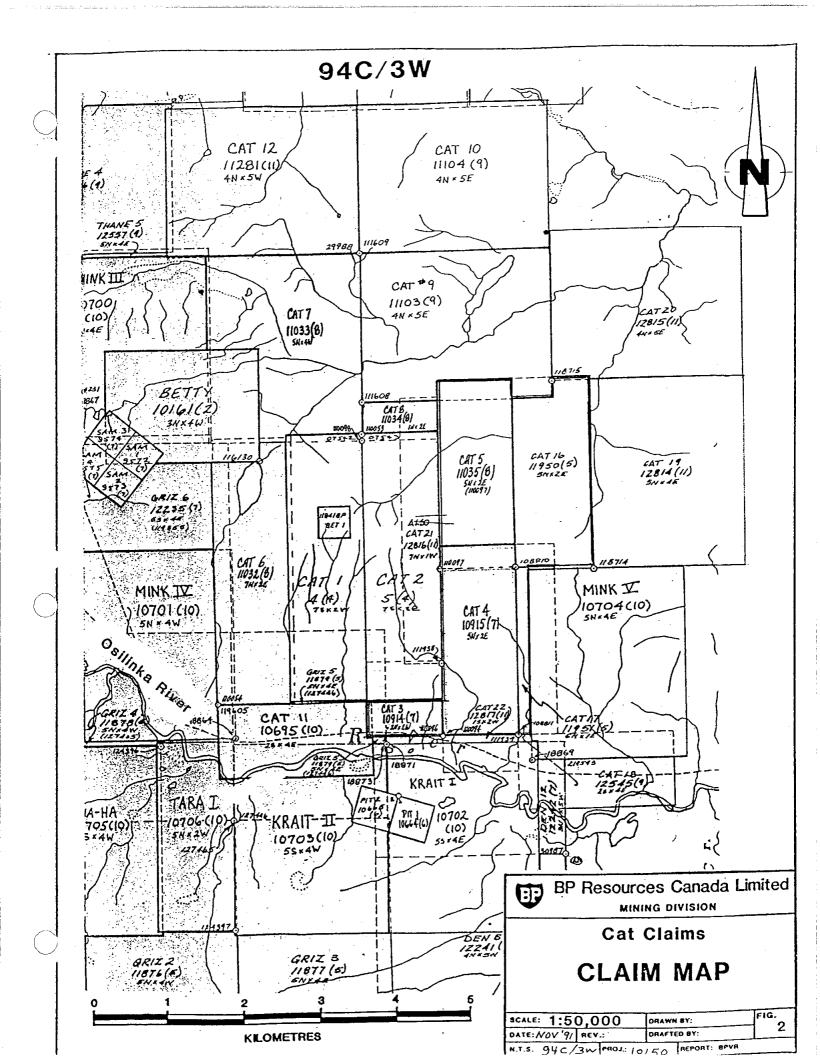
4. TOPOGRAPHY and VEGETATION

The CAT 18 claim covers the gentle slopes that rise to the north of the Osilinka River. Elevations range from 920 m to 1100 m. Vegetation consists mainly of second growth pine trees in the south with more spruce and fir near the northern claim boundary.

5. CLAIM DATA

Claim Name	<u>Units</u>	Record #	Staking/Anniversary Date
CAT 18	8	12545	SEPT. 08, 1990





6. GEOLOGICAL SETTING

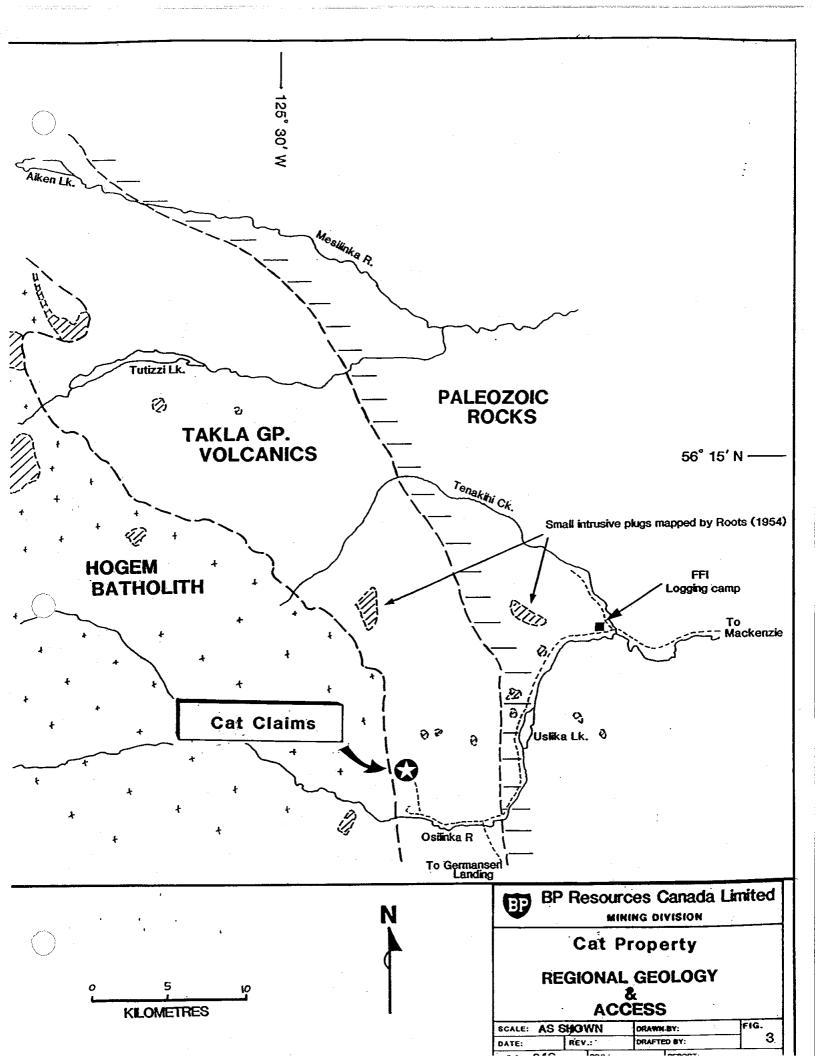
The CAT claims are located within the Quesnel Trough, a northwesterly trending, fault-bounded block of Lower Mesozoic volcanic and related rocks. These rocks are called the Takla Group in central B.C. and are primarily sub-alkaline to alkaline andesites and basalts of island arc affinity.

The claims straddle the contact between the Takla Group volcanic rocks and the eastern edge of the Hogem Batholith, a composite intrusion 170 km long and 40 km wide. Irregular plugs and dykes related to the batholith are common in the Takla Group volcanics.

7. EXPLORATION HISTORY

Most of the early work in the area was concentrated on gold and copper-bearing magnetite showings on top of Cat Mountain, about 4000 m northwest of the CAT 18 claim. In 1972, A. Gerun staked the BET 1 claim to cover the main showings. A limited amount of geological mapping and a small ground magnetitics survey were completed on the claim (Tegart, 1974).

BP Minerals Limited staked 28 claim units on Cat Mountain to cover the showings and nearby stream sediment anomalies. Between 1975 and 1979 BP did geological mapping, soil and rock geochemistry, airborne and ground geophysics, trenching and diamond drilling (Mustard, 1975, Bates, 1977; Bradley and Clark, 1980).



From 1989 to 1991 BP Resources Canada Limited and Lysander Gold Corporation explored the property with soil and rock geochemistry, ground and airborne magnetics, IP surveys, trenching and diamond drilling. Details of the geological and geochemical work are found in reports by Hoffman and Perkins, (1990); and Humphreys, (1991a) and (1991b).

8. <u>1991 EXPLORATION PROGRAM</u>

A) Geology (Fig. 4)

Outcrop is sparse on the CAT 18 claim. The bedrock that was found indicates that the geology is similar to that found on the rest of the Cat property to the northwest.

The Takla Group volcanic rocks are mainly medium grey-green lapilli and ash tuffs. the fragments tend to be heterolithic in most exposures. The volcanics are variably magnetic and contain traces of disseminated pyrrhotite or pyrite. With the exception of one outcrop near the main road, the volcanics are unaltered. The altered outcrop displays moderately strong orange weathering ankerite and silica in patches or along fractures in tuffs. However, there is little sulphide in these rocks.

Two kinds of intrusions were found: a hornblende-plagioclase diorite porphyry and a pyroxene gabbro porphyry. The diorite is fine grained, strong to weakly porphyritic with up to 40% hornblende laths in a light grey groundmass. The pyroxene gabbro has 30% euhedral pyroxene phenocrysts to 5 mm in size in a medium grey, very fine grained

groundmass composed of plagioclase and pyroxene. The two intrusions appear to take the form of dykes cutting the volcanic rocks. Due to the paucity of outcrop, the extent of the dykes is not known.

None of the intrusions seen is significantly mineralized or altered. The pyroxene gabbro porphyry is located near the ankeritic tuff but there is no obvious link between the dyke and the alteration.

B) Soil Geochemistry

Three flagged east-west topofil and compass grid lines, spaced 200 m and 125 m apart, were established in the central part of the CAT 18 claim (Fig. 5). Samples were collected at 25 m intervals on the lines for a total of 91 samples. The overburden is dominated by glacio-fluvial deposits that thicken significantly towards the Osilinka River. Areas with more residual soils are present in the central and northern section of the claim. The thickness of overburden is generally <5 m to the north while it is likely tens of metres thick near the Osilinka River.

Approximately 500 g of material was collected at depths of 10 to 50 cm in sandy 'B' horizon soil and put into Kraft paper envelopes. The samples were shipped to Vancouver where they were oven dried, sieved to minus-80 mesh and analyzed for aqua regia leachable Au on a 10 g split and for a suite of 30 aqua regia leachable elements on a second 0.5 g split. All analyses were done at Acme Analytical Laboratories in

Vancouver, B.C. Analytical procedures are given in Appendix III and the results tabulated in Appendix IV.

The results for the elements of most interest, Au and Cu, are plotted on Figure 6. Due to the limited number of samples, a statistical analysis of the data was not done. Instead, contour values were selected from the results of the sampling on the main part of the Cat property done in 1989 to 1991. The contour values of 25 ppb and 120 ppm for Au and Cu respectively can be considered as high-lighting areas that are <u>probably</u> anomalous.

Anomalies are generally weak and of limited extent. The most interesting Au anomalies occur in the west-central parts of Lines 18C and 18B. The highest Au value from the survey, 820 ppb, is found here.

The copper soil anomalies display more linear northwest trends but they are also of limited extent.

Overall, the nature of the overburden makes interpretating the data and determining the source of the soil anomalies difficult. No showings were found in bedrock to account for the modest soil anomalies.

9. <u>CONCLUSIONS</u>

Although the sampling and mapping on the CAT 18 claim was of a reconnaissance nature, the results suggest there is little potential for a significant porphyry deposit on the claim. The bedrock is almost all fresh and very little sulphide mineralization or hydrothermal alteration is present. The soil anomalies are weak and limited in extent. No further work is recommended for the claim.

10. REFERENCES

- BATES, C.D.S., (1977): Drilling Report on the Cat Mineral Claims, BCDM Assessment Report No. 6516.
- BRADLEY, M.D., CLARK, W.R., (1980): An Assessment Report Detailing Physical Work, Geophysical Survey and Diamond Drilling in 1979 on the BET 1, CAT 1 and 2 Mineral Claims, BCDM Assessment Report No. 7999.
- HOFFMAN, S.J., PERKINS, D., (1990): Geology, Geochemistry, Geophysics and Drill Exploration Report on the Cat and Betty Claims. BCDM Assessment Report No. 19956.
- HUMPHREYS, N.D., (1991a): Assessment Report on the Linecutting and Soil Geochemistry on the CAT 3, 4, 5, 16 and 17 Claim, Osilinka River Area, BCDM Assessment Report No. 21351
- HUMPHREYS, N.D., (1991b): Assessment Report on the Linecutting and Soil Geochemistry on the CAT 2, 7, 8, 9, 10 and 12 Claims, Osilinka River Area, BCDM Assessment Report 21558.
- MUSTARD, D.K., (1975): Geological, Geochemical and Geophysical Report on the Cat Mineral Claim, BCDM Assessment Report No. 5897.
- TEGART, P., (1974): A Geological and Geophysical Report on the Bet Claim, BCDM Assessment Report No. 5290.

APPENDIX I STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

- I, Neil Humphreys of 3028 West 14th Avenue, in Vancouver in the province of British Columbia, do hereby state:
- 1. That I have received a B.Sc degree in geology from the University of Saskatchewan in 1976 and an M.Sc degree in mineral exploration from Queen's University in 1982.
- 2. That I have been active in mineral exploration since 1975 in Canada and the United States.
- 3. That I have been employed by major mining companies until 1988. From 1988 until the present I have been a consulting geologist directing exploration projects in British Columbia.
- 4. That I did the geological mapping and supervised the soil sampling program on the CAT 18 claim.

Neil Humphreys

Vancouver, B.C. November, 1991

APPENDIX II STATEMENT OF COSTS

STATEMENT OF COSTS

CAT 18 CLAIM

	Total	\$1,866.72
Geological Mapping, Supervision		275.00
Accommodation 5 man-days @ \$50/day		250.00
Vehicle 2 days @ \$50/day		100.00
Sample Collection by J.P. Loiselle 4 days @ \$95/day		380.00
Shipping		50.00
Soil Sample Analyses 91 samples @ \$8.92/sample		\$ 811.72

APPENDIX III ANALYTICAL PROCEDURES



ACME ANALYTICAL LABORATORIES LTD.

Assaying & Trace Analysis 852 E. Hastings St., Vancouver, B.C., Canada V6A 1R6 Telephone: (604) 253-3158 Fax: (604) 253-1716

SOIL PREP. - Dry soil sample at 60 deg C, Sieve -80 mesh.

ICP - 0.5 g sample is digested with 3 ml 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, Al.

GOLD - 10 gram samples are ignited at 600 deg. C for four hours, digested with aqua regia at 95 deg. C on the water bath for one hour, 50 ml aliquote is extracted into 10 ml of MIBK, analyzed by graphite furnace AA, detection limits is 1 ppb.

APPENDIX IV SOIL SAMPLE RESULTS

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BP Resources Canada Ltd. F. JECT LOC-10150 File # 91-2852

700 - 890 W. Pender St., Vancouver BC V6B 4W3

Page 1

88	AMPLE# Mo Cu Pb Zn Ag Ni Co Mn Fe As U Au Th Sr Cd Sb Bi V Ca P La Cr Mg Ba Ti B Al Na K W Au*																									
SAMPLE#	Мо ррп	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe A	. 30		Th ppm	Sr Cd ppm ppm		Bi ppm	V ppm	Ca %	P % [La opm p	Cr opm	Mg %	Ba Ti ppm %	В	Al %	Na %	K W Au* % ppm ppb
133392 133393 133394 133395 133396	1 1 1 1	67 130 74 154 112	2 3 2 2 3	187 33 75 46 48	.2 .2 .1 .1	30 10 17 25 12	22 11 16 19	737 : 304 : 261 : 380 : 315 :	4.38 1 4.73 1 5.04 4	2 5 5 5 7 5 2 5	ND ND ND	1 3 1 2 3	82 1.1 49 .2 50 .4 74 .5 52 .5	2	2 2 2 2 4	82 144 126 152 114	1.12 . .59 . .49 . .56 .	123 080 101	3 8 5 5 6	24 19 25 32 13	.62 .40 .50 .77	64 .14 40 .09 77 .12 99 .11 73 .11	2 2 2 2 2 2 2	1.24 2.25	.02 .02 .02 .02	.10 1.11.0 .05 1 9.5 .05 1 6.9 .06 2 9.0 .07 3 7.5
133397 133398 133399 133400 133401	1 1 1	71 74 100 37 67	2 2 2 3 2	36 37 43 83 30	.2 .1 .2 .2	12 11 8 8 6	12 13 11 10 7	288 290 279 325 321	4.11 3.89 3.41	7 9 6 5	ND ND	2 2 2 3 4	54 .3 60 .2 50 .3 46 .2 77 .2	2 2	2 2 2 2 2	118 113 108 91 86	.48 .53 .46 .42 .85	094 126 125	5 6 7 7 9	15 13 13 15 11	.40 .42 .31 .31	119 .12 105 .11 76 .10 52 .10 88 .11	2 2 3	1.93 1.90 1.96 1.80 1.03	.03 .03 .03 .02	.08 1 13.2 .04 1 14.4 .06 1 1.5 .05 1 18.1 .07 1 9.9
133402 133403 133404 133405 133406	1 1 1 1	77 74 76 31 104	2 2 2 2 3	34 39 34 58 61	.1 .1 .1 .1	10 9 11 8 8	10 9 10 9	286 276 274 216 427	3.66 4.04 3.83	3 6	5 ND 5 ND 5 ND 5 ND	3 2 1	62 .3 55 .3 51 .5 42 .2 92 .4	2 3 2	2 2 2 2	99 100 120 120 84	.62 .44 .45 .42 1.30	118 .084 .035	9 7 6 4 8	13 13 16 17 12	.40 .38 .33 .23	75 .11 78 .11 77 .10 39 .11 107 .08	2 2 2	1.77 1.84 1.43 1.24 1.39	.03 .03 .03 .02	.05 1 5.8 .05 1 4.1 .03 4 7.5 .03 1 5.6 .07 1 5.6
133407 133408 133409 133410 133411	1 1 1 1	102 126 89 98 46	2 2 2 2	87 104 75 62 47	.1 .2 .1 .1	38 50 17 32 26	18 23 15 16 13	487 525	9000	4 6 8	5 NO 5 NO 5 NO 5 NO 5 NO	2 2 3	65 .5	2 2 2	2 2 2 2 2	137 116 119 111 81	1.23 .57 .56	048 080	6 5 4 7 5	25	.73 1.17 .80 1.10	78 .15 163 .15 115 .14 130 .17 94 .13	5 2 3	2.90 4.70 2.49 2.40 2.04	.03 .03 .03 .03	.05 1 10.9 .13 3 1.8 .12 1 8.7 .12 1 5.4 .05 1 11.5
133412 133413 133414 133415 133416	1 1 1 1	58 53 77 57 74	3 2 2 2 2	57 56 50 47 55	.2 .1	22 19 22 14 23	12 12 .13 10 13	312 360 287	3.15 4.22 3.91 2.98 4.02	8 3	5 NO 5 NO 5 NO 5 NO 5 NO	2 3 1	43 .2 47 .2 53 .2	2 2 2	2 2 2 2 2	82 96 100 70 106		.067	9 7 6 4 6	34 29 30 20 28	.65 .48 .60 .49	87 .13 72 .13 83 .13 83 .13 80 .10	2 2 2	2.22 3.07 2.48 2.31 2.14	.03 .02 .02 .02 .03	.05 2 7.9 .04 1 4.7 .06 1 6.7 .04 1 3.2 .06 1 3.9
133417 134225 134226 134227 134228	1 1 2 1	121 269 45 47 54	2 4	33 91 28 34 33	.2 .1 .1	27	11 19 5 7	467 223 214	4.29 5.92 3.33 3.66 4.15	55 7 4	5 NI 5 NI 5 NI 5 NI 5 NI	5 0 1 0 2	52 1. 55 43	2 2 2 2 2	2 2 2 2	170 109	.45 .50 .39	.141	6 4 6 5	18 39 11 11 14	.50 .78 .21 .23 .23	89 .12 83 .12 67 .10 50 .08 53 .08	2 2 2	1.65 3.96 .97 1.38 1.49	.03 .02 .02 .02	200000, 00
134229 134230 134231 134232 134233	1 1 1 1	49 43 139 85 195	3 3 5	56 54 126	.1 .2 .2	6 10	9 8 8 19 123	251 357 396	4.03 3.70 2.51 4.90 7.55 26	2 3 7 32 05	5 NI 5 NI 5 NI 5 NI 6 NI	3 3 3 1	42 .: 97 .:	2 2 2 2 5 2	2 2 2 2 2	104 89 58 115 96	.36 .87 .67	.165 .037 .054	8 7 7 5 4	13 15 12 37 84	.28 .28 .59 .68	62 .09 87 .10 124 .20 88 .16 64 .08	2 2 2	1.98 2.23 2.13 2.41 5.61	.02 .02 .05 .02	.05 1 2.1 .10 2 3.6
RE 134229 134234 STANDARD C/AU-S STANDARD C	1 1 19 19		5 36	142	2	136 72	32	466 1138	3.92				56 . 54 19.	5 2 0 19	2 2 21 21	62	.82 .50	.157 .039 .100 .091	7 11 38 39	13 28 60 58	.28 .61 .98 .88	61 .09 67 .12 185 .09 177 .09	4 34	1.95 2.18 1.98 1.95	.03 .03 .07	.06 1 4.3 .17 12 50.7

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 AV. AU DETECTION LIMIT BY ICP IS 3 PPM. - SAMPLE TYPE: SOIL AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: JUL 24 1991 DATE REPORT MAILED: Gruy 29/91.

SIGNED BY

Kecawael



acme ana viical laboratories Ltd. 852 B. Hastiwas at vancouver B.C. v6x 1r6 PHONE (604) 253-3158 FAT (604) 253-17 GEOCHER_CAL ALYSIS CERTIFICATE

PP Resources Canada Ltd. PROJECT LOC-10150 File # 91-3078

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σ.	SAMPLE#	No.	ppin Cu	Pb Pb	Zn Ag ppm ppm	ξ.	Co ppm	Mrs. ppm	Fe As X ppm	ndd U	ppm ppm	th majqt	9r ppm	Cd pce	Sb ppm	Di Di	bbee A	Ca X	P X p	La opm	bów CL	Ng %	Ba Ti ppm 3,	B AL	Ka X	K X	¥ 9 7 **	Au* ppb
	134365 134366 134367 134368 134369	1 1 1 1	106 34 36 48 76	4 6 4 5	73 .1 51 .1 64 .1 39 .1 43 .1	11 6 7 6	11 7 9 7 8	432 702 428 433 294	3.02 3 3.26 4 3.65 2	5 5 5 5	NO NO NO NO	1 1 1 1 3	40 30 34 38 41	.2 .2 .2 .2 .2	2 2 2 2 2	2 2 2 2	90 80 88 109 111	.55 .16 .28 .16 .35 .20 .38 .11	30 34 0	6 4 6 5	21 13 13 14 13	.46 .26 .23 .22 .29	55 10 48 08 54 08 58 08 63 10	2 2.03 2 1.77 2 1.55 2 1.25 2 1.80	.02 .02 .02 .02 .02	.05 .03 .05 .05	1	4.1 1.1 2.2 4.3 820.0
	134370 134371 134372 134373 134374	1 1 1 1	23 48 29 29 52	4 2 4 4	30 .2 27 .1 30 .1 33 .1 27 .1	4 6 5 5 6	6 7 6 6 8	201 277 196 237 241	2.92 2 2.78 2 3.67 2	5 5 5 5	NO NO NO NO	1 1 1 1	33 53 37 35 39	.2 .2 .2 .2 .2	2 2 2 2 2	2 2 2 2 2	83 77 75 96 101	.31 .13 .54 .10 .30 .11 .32 .18)1 2 4	5 8 5 5 5	12 11 11 14 14	.19 .34 .21 .20 .28	51 09 79 10 56 10 46 08 60 10	2 1.47 2 1.36 2 1.65 2 1.75 3 1.79	.02 .02 .02 .02	35333 35333		45.3 16.7 22.0 14.5 4.8
ద	134375 134376 134377 134378 134379	1 1 2 1 1	44 39 137 41 24	2 4 7 6 5	33 .1 22 .1 48 .1 36 .1 28 .1	6 5 12 22 6	8 7 18 12 8	397 203 250 264 369	3.72 3 5.35 27 4.11 9	5 5 5 5	NO NO NO NO	2 † † †	35 37 33 33 41	.2 .2 .2 .2 .2	2 2 2 2	2 2 2 2 2	92 112 134 102 91	.32 .24 .35 .10 .34 .16 .31 .04 .38 .17)1 XO -7	6 5 5 5	13 13 21 26 12	.25 .21 .33 .36 .23	53 09 45 08 59 11 60 10 65 08	2 1.98 2 1.28 2 2.00 2 2.14 2 1.76	.02 .02 .01 .02	.04 .02 .04 .03		1.0 18.3 13.5 10.6 1.4
	134380 134381 134382 134383 134384	1 1 1	24 54 86 70 47	5 4 6 5 7	32 .1 27 .1 27 .1 28 .1 75 .4	6 8 7 6 8	8 8 8 8	212 236 291 278 277	3.35 3 3.93 5 3.07 3	5 5 5 5	ND NO NO NO	† 1 † 1	36 42 36 37 32	.2 .2 .2 .2 .2	2 2 2 2 2	2 2 2 2 2	91 95 118 89 117	.34 .16 .39 .10 .37 .15 .37 .06	7 6 8	5 5 5 5	13 13 16 12 19	.19 .26 .28 .27 .32	56 .06 61 .08 46 .08 50 .08 57 .10	3 1.67 2 1.27 2 1.39 2 1.10 2 2.97	.02 .02 .02 .01 .02	.04 .04 .05 .04	1 1 1	1.2 1.8 3.0 1.5
YTIC	134385 134386 134387 134388 134389	1 1 1 1	95 56 71 351 48	2 2 6 5 7	27 .1 38 .2 26 .1 55 .4 30 .1	7 8 6 11 7	9 7 7 9 7	273 280 229 614 296	2.90 2 3.05 6 3. 96 16	5 5 5 5	ND ND NO NO	2 3 2 1 1	34 35 42 104 35	.2 .5 .2 .3	2 2 2 2 2	2 2 2 2 2	115 82 92 112 91	.36 .11 .39 .16 .42 .04 2.05 .11 .34 .08	.5 .3 4	6 6 12 17 4	15 13 13 21 12	.27 .25 .29 .37 .26	41 .08 34 .07 45 .08 97 .04 62 .09	2 1.29 4 1.31 2 1.12 7 1.26 2 1.45	.02 .02 .02 .02	.03 .04 .04 .05 .03	† † † †	2.6 1.8 8.6 5.4 2.5
ACME	134390 RE 134387 134391 134392 134393	1 1 1	142 73 65 32 41	6 3 4 5 7	45 .1 26 .1 25 .1 59 .1 113 .2	26 6 28 13 14	14 7 11 11 17	380 236 295 305 498	3.13 6 4.14 18 4.36 10	5 5 5 5	HD HD HD HD	2 2 1 1	44 43 48 45 48	2 2 2 2 2 2	2 2 2 2	2 2 2 2 2	119 95 106 114 79	.44 .04 .44 .04 .64 .03 .58 .03	.3 16 50	6 12 7 6 6	28 13 29 23 23	.63 .30 .39 .41 .43	129 .17 47 .09 47 .08 88 .11 107 .10	3 2.39 2 1.16 3 1.01 3 1.69 2 1.91	.02 .00 .00 .00 .00	.05 .04 .03 .04 .08	1	2.2 8.6 4.4 31.9 13.8
1 53	134394 134395 134396 134397 134398	1 1 1	89 85 57 90 79	6 3 5 3 6	71 .1 42 .1 193 .3 102 .1 182 .1	16 15 38 75 30	10 24	1237	3.86 9 5.53 7 4.57 6	5 5 5 5 5		2 1 1 1	41 34 47 40 53	.2 .2 .2 .2 .2 .2	2 2 2 2	2 2 2 2 2	103 108 129 110 127	.40 .06 .40 .17 .63 .05 .50 .06	72 52 53	5 5 4 4		.50 .40 1.29 1.23 .78	67 13 69 08 96 10 84 18 93 13	3 1.72 3 1.63 4 4.19 2 2.90 3 2.12	.02 .02 .01 .02	.05 .03 .07 .06	1 1 1	8.4 6.4 4.2 1.0 16.6
₽	134399 STANDARD C/AU-S STANDARD C	1 18 18	56 57 57	6 38 37	51 .1 127 6.7 133 7.0			336 1060 1046	3.94 41	5 17 18	ND 7 6	1 39 39		.2 18.8 18.6	2 17 15	2 18 19	119 56 56	.35 .15 .48 .05 .49 .08	39	4 38 39	18 57 59	.34 .86 .89	71 .10 172 .09 178 .09	2 1.68 32 1.85 34 1.90	.01 .06 .06	363	1 12 13	71.1 50.4

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3HL 3-1-2 HCL-HN03-H20 AT 95 DEG. C FOR ONE HOUR AND IS DILLITED TO 10 ML WITH WATER. THIS LEACH IS PARTIAL FOR NN FE SR CA P LA CR NG BA TI B W AND LINITED FOR NA K AND AL. AN DETECTION LIMIT BY TCP IS 3 PPM. - SAMPLE TYPE: SOIL AN ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE. Samples beginning 'RE' are duplicate samples.

DATE RECEIVED: JUL 31 1991 DATE REPORT MAILED: HM SIGNED BY D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

AUG-07-1



BP Resources Canada Ltd. OJE(LOC-10150 FILE # 91-2852

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SAMPLE#	Мо ррп	Cu	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm		La (ppm	Cr ppm	Mg %	Ba ppm	Ti %	ppm B	Al %	Na %	κ 2	W Au* opm ppb	
134235	1	62	2	176	.5	40	29	879	. 8	15		ND	1	20	,	3	2	156	.40 .03	3	76	1.25	119	-04	5 4	.04	.01	.06	1 46.4	٦
134236	1	119	7	70	.3	64	16	510	1000	33	5	ND	,	35		2	2	89	.96 .04		54	.67	79	.03		2.60	.02	.06	1 47.0	1
134237	;	154	7	70	.1	20	14	297		58	ź	ND	2		.2	5	2	107	.57 .10		26	.57	80	.12		5.26	.02	.04	1 34.3	-
134238	4	75	7.	29		9	8	255		14	-	ND	2	44	.2	2	2	118	.40 .08		17	.29	60	.08		1.28	.02	.03	8.3	-
134238		36	7	31		8	7	224		7	2	ND	2	41	.2	2	2	95	.33 .12		:	.24	52	.09		1.73	.02	.04	7.1	- }
134239	1	30	3	31		٥		224 .	» دد.د		,	NU	2	43		2	2	90	.33 .12		17	. 24	26		-	1.13	.02	.04		Ì
134240	1	44	3	32	.1	12	9	292	3.44	45	5	ND	2	39	.2	2	2	86	.29 .11	4 5	18	.30	62	.10	2 2	2.24	.02	.03	1 5.2	Î
134241	1	30	2	37	.1	11	9	241	3.89	69	5	ND	2	38	2	2	2 .	100	.31 .09	6 6	22	.24	65	.09	2 '	1.78	.02	.04	1 7.6	-
134242	1	39	4	35	.1	13	9	237		19	5	ND	2	39	.2	2	2	89	.31 .05	7 6	19	.31	61	.11	2	1.61	.02	.04	1 2.9	ĺ
134243	1	32	5	66	3	16	13	540	200	18	5	ND	2	34	.2	2	2	124	.32 .13		33	.31	59	11	2	1.53	.02	.04	1 9.6	
134244	i	46	6	58	•	10	8	240		6	5	ND	2	37	.2	ž	2	100	.36 .21			.29	52	.09		2.63	.02	.04	1 31.3	
10.27			_				_				_		-	•		_	_			×.								- S		- [
134245	1	35	6	66	.2	6	8	207	3.68	3	5	ND	2	38	.2	2	2	102	.42 .18	1 7	15	.23	44	.07	2	1.40	.02	.04	1 9.5	
134246	1	236	2	82	.3	32	20	1801	6.64	42	5	ND	3	67	.2	2	2	128	.95 .09	0 19	40	.67	162	.10	4	2.31	.03	.07	1 41.4	
134247	1	90	5	107	.2	34	12	502		36	5	ND	1	57	.2	2	2	120	.89 .12		49	.72	79	.08		1.37	.02	.06	1 15.1	1
134248	1	123	3	72		20	15	715		10	5	ND	ż	76	.2	2	2	124			30	.71	114	11		1.42	.03	.10	1 56.2	l
134249	1	108	5	54		20	14	508		10	5	ND	- 2	57	.2	2	2	102	.64 .07			.64	142	.12		1.82	.03	.07	1 9.0	1
154247	'		-				, ,	,,,,	····		-	.,,	-	٠.		-	_	.02	••••	*					_					-[
134250	1	25	3	50	.3	11	8	333	3.12 🖔	5	5	ND	1	40	.2	2	2	83	.39 .06	6 4	19	.28	59	.10	2	1.62	.02	.05	1 3.6	ĺ
134251	2	78	ž	69		17	14		4.21	9	Ś	ND	- 1	45	.2	5	2	89	.41 .12		25	.54	78	13		2.75	.02	.07	1 5.4	Ì
134252	1	65	2	97	.2	15	12	307		14	5	ND	2	34	2	2	2	131	.36 .24		27	.39	52	.10		2.49	.01	.04	7.5	Ì
134253	1	166	7	174	.3	49	. –	1637		52	5	ND	7	61	.2	2	2	79	.79 .07		40	.58	139			2.56	.03	.07	1 12.0	
134254	;	52	5	101	.3	14	11	501		11	5	ND	2	33	.2	2	2	137	.39 .35			.38	59	.10		2.15	.02	.04	1 19.4	-
134234	'	26	,	101		14	11	701	J. 61		,	NU	2	در	**	۲	۲	151	.37 .33		, 47		27		-	17	.02	.04	17.7	}
STANDARD C/AU-S	18	56	38	132	7.1	70	32	1039	3.97	42	18	7	38	53	18.5	16	18	54	.48 .09	1 37	58	.88	177	.09	34	1.89	.06	.15	13 53.4	╛

