ASSESSMENT REPORT ON DIAMOND DRILLING

ON THE PHIL A CLAIM GROUP

AHDATAY LAKE, B.C.

Omineca Mining Division

NTS: 93N/7W

Latitude 55°20'N Longitude 124°53'W

BPVR 90-6

W. Paterson
C.T. Barrie

February, 1991

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1. SUMMARY

The PHIL A claim group, comprising 48 units within the PHIL 2-10 claims, is located approximately 5 km east of Ahdatay lake and 115 km north of Fort St. James, in north-central British Columbia. The property was the focus of a 1990 exploration program by BP Resources Canada Limited that included 1067.8 m of drilling in 6 holes.

The property lies immediately east of the Hogem Batholith and within the Quesnel Terrane, a northwest trending, fault-bounded belt underlain by Upper Triassic - Lower Jurassic Takla Group volcanics and related alkalic intrusions. The property is underlain by latitic to andesite augite porphyry flows and lapilli fragmentals, crystal/lithic ash tuffs, and related subordinate augite-plagioclase hypabyssal sills. Intrusive rocks consist of dykes of monzonite to aplitic syenite which are localized along subvertical faults that trend north-northwest and east-northeast. The aplitic syenite dykes are chemically distinct from and younger than the other rocks on the property. Outcrop is sparse in the northern two-thirds of the 1990 grid but is abundant in the southern one-third along deeply-incised creeks. Bedding attitudes strike north-northwest and have steep dips to the east at one locality. Two main fault trends are characterized by deeply-incised topography, presence of dykes, and occurrence of hackly-fractured iron-oxidized volcanic rocks.

All rocks encountered display slight to moderate propylitic and subordinate potassic alteration, increasing in intensity toward the fault zones. Sulfide mineralization consists of pyrite, pyrrhotite, chalcopyrite, and molybdenite. This is commonly accompanied

by malachite, magnetite, jarosite and Fe oxides. Mineralization is principally found on fractures with lesser amounts disseminated in altered rocks. Copper and molybdenum are only locally enriched. Previous soil geochemistry suggests that the mineralization may extend to the north uphill from the Aplite Creek zone.

Highlights from the 1990 drill program are: DDH# AH90-3, 40-50 m (10 m) @ 0.4 g/t Au, 0.07% Cu; DDH# AH90-4, 60-64 m (4 m) @ 1.7 g/t Au, 0.004% Cu; 76-82 m (6 m) @ 0.4 g/t Au, 0.08% Cu; 106-112 m (6 m) @ 6.4 g/t Au, 0.098% Cu. These drill holes were collared in an area with a strong magnetic signature. The IP anomaly and the strongest airborne magnetic anomaly extend from this area in the Aplite Creek zone for two km to the north-northwest into untested ground. Both these holes intersected relatively hybridized intrusion and latite-andesite flows. Most of the alteration is propylitic but moderate potassic alteration is seen both in the intrusion and immediately adjacent.

Work recommended for the 1991 program is as follows:

1) cover the "missing" southwest quadrant of the grid with line cutting (25 line-km), ground IP and magnetics (25 line-km), geological mapping and bedrock sampling;
2) test the north-northwest trending IP and magnetic anomaly with approximately 1,200 m of diamond drilling in 6 drill holes.

2. INTRODUCTION

A. Location and Access

The PHIL A claim group within the PHIL 2-10 claims is located 115 km north of Ft. St. James, B.C., 5 km east of Ahdatay Lake at latitude 55°20'N and longitude 124°53'W (NTS map 93N/7W).

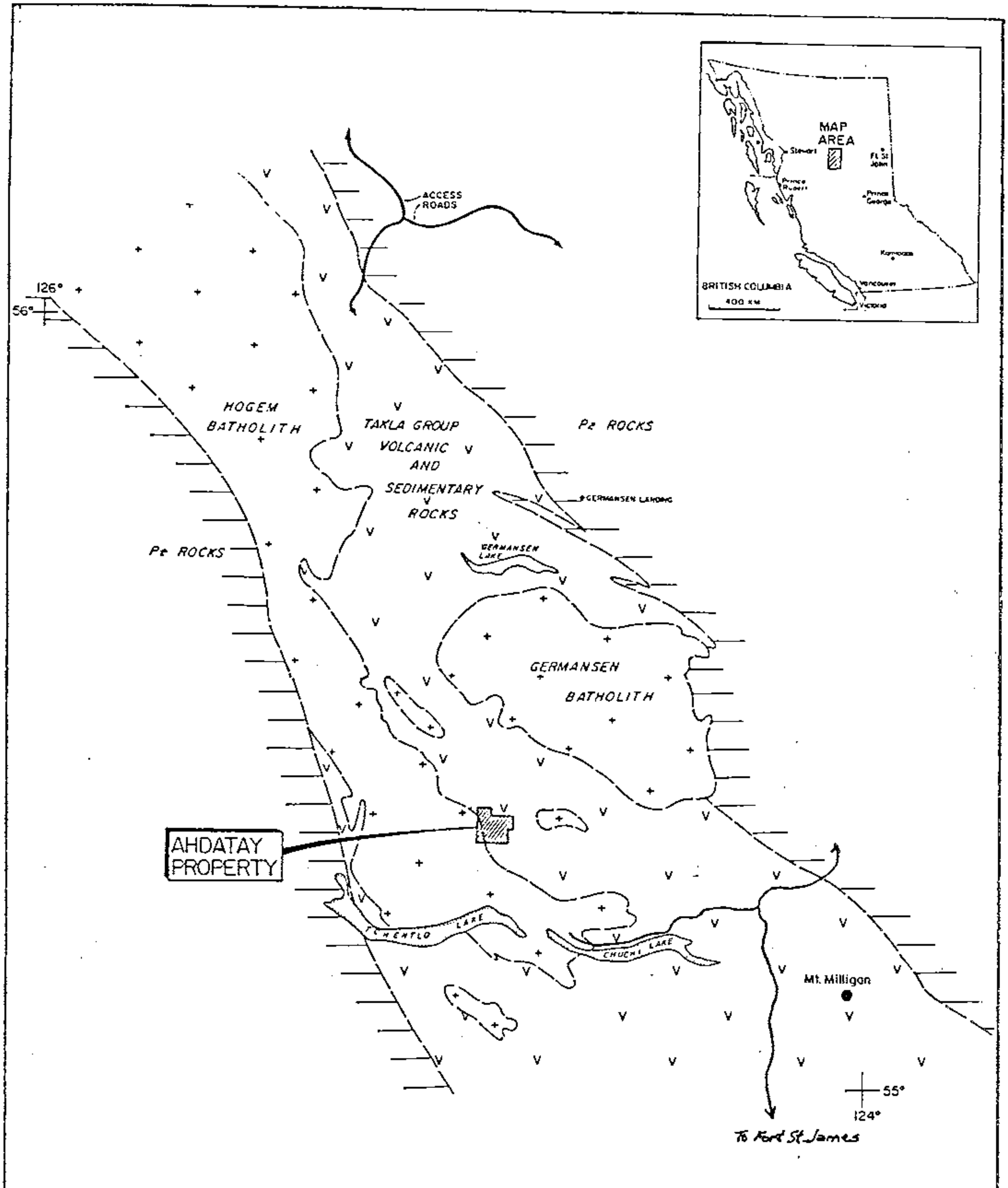
Access to the claims is by helicopter from a staging area on the main logging road which follows the north side of Chuchi Lake. Distance from the staging area to the property is approximately 20 km (Fig. 1).

B. Topography and Vegetation

Elevations range between 1150 and 1400 m above sea level. Topography is gentle to moderate with the claims being roughly centred on a well rounded hill. On the southern third of the property the creeks have been incised up to 15 m deep.
Vegetation is mixed, and consists of jackpine in well-drained areas with abundant spruce and balsam in moist areas. Underbrush is variable, ranging from none to dense thickets of willow or alder.

C. Claims Status

The PHIL A claim group (Fig. 2), wholly-owned by BP Resources Canada Limited, consists of 4 claims comprising 48 units listed in the following table:

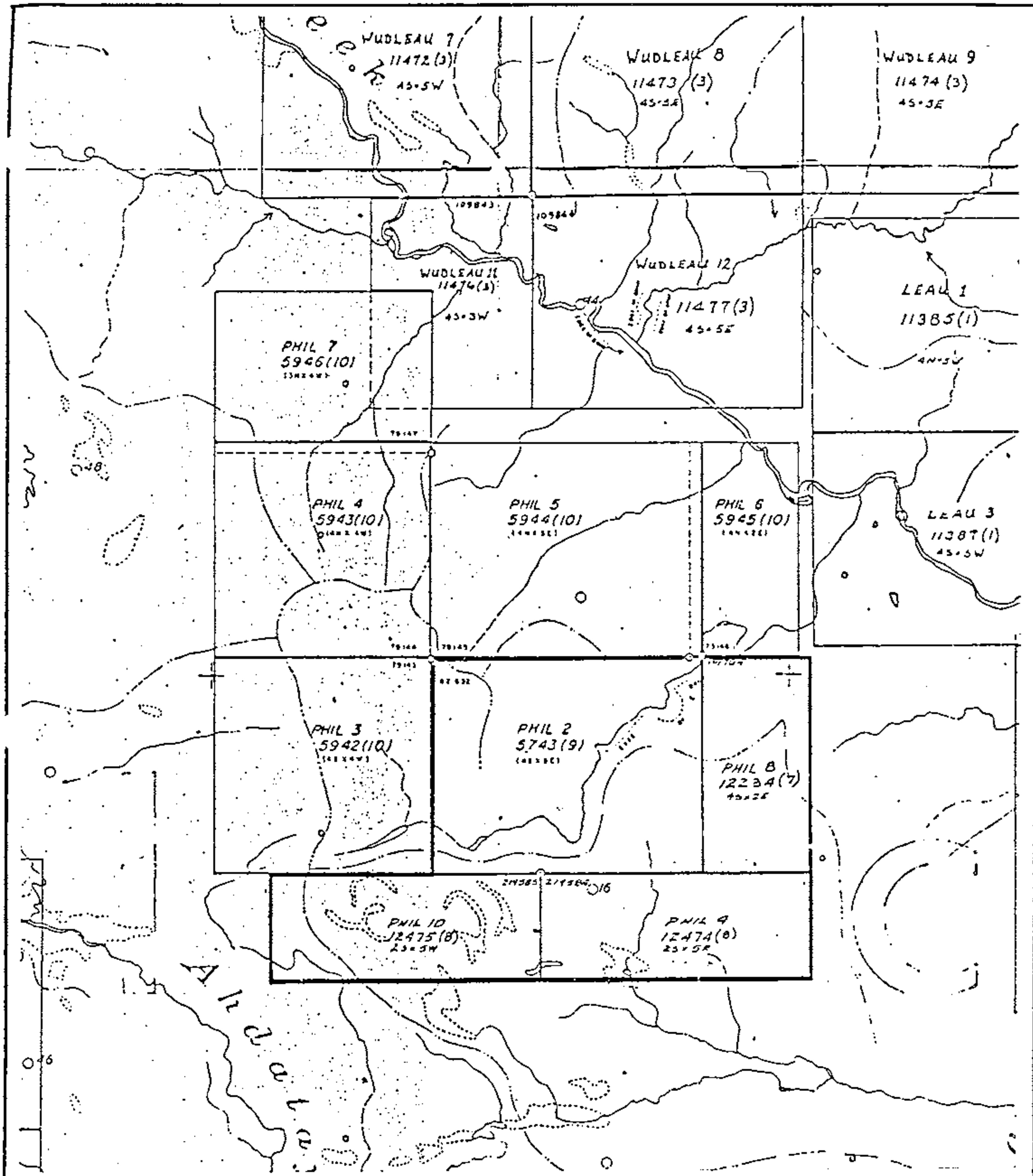


BP Resources Canada Limited

MINING DIVISION

LOCATION MAP

SCALE: AS SHOWN		DRAWN BY: T.B.	FIG. 1
DATE: JAN '91	REV.:	DRAFTED BY: CHONG	
NTS 93N, 94C	PROJ.: 1015	REPORT: BPVR 90-6	



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KILOMETRES

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PHIL A CLAIM GROUP

SCALE: AS SHOWN		DRAWN BY: WP	FIG. 2
DATE JAN '91	REV.	DRAFTED BY:	
N.T.S. 93N/7	PROJ 10154	REPORT BPVR 90-6	

Claim	Units	Record #	Recording Date	Expiry Date
PHIL 2	20	5743	01/09/83	01/09/91
PHIL 8	8	12234	22/07/90	22/07/91
PHIL 9	10	12474	18/08/90	18/08/91
PHIL 10	10	12475	18/08/90	18/08/91

D. History

The claim area has been mapped in a reconnaissance manner by the Geological Survey of Canada (Armstrong, 1949) and by the B.C. Department of Mines (Garnett, 1978). Additional work was carried out by industry in the early 1970's and 1980's during which time portions of the PHIL 2-7 claims were held by several companies searching for copper-molybdenum porphyry deposits, and later, for copper-gold porphyry deposits.

Early work included geological mapping, soil geochemistry and I.P. by the Luc Syndicate, 1970 and Chalico Silver Mines, 1972. Noranda and Pechiney Development also held ground in 1970-72 which was later contained within the PHIL 2-7 claims. Pechiney also diamond drilled four holes totalling 230 m. Brief geological mapping, aeromagnetics and soil sampling were undertaken by BP/SELCO in 1983 on the PHIL 2-7 claim group (A.R. #12149).

The 1983 BP/SELCO soil geochemical survey yielded copper and gold anomalies that correspond to deeply-incised creeks trending 070° and 345° in the southern third of the property. Weaker copper and gold anomalies are present uphill to the northwest, and copper anomalies are present uphill to the north and northeast. Forty-one rock samples were taken during this program and analyzed for copper and gold. One rock chip sample contained 9,450 ppb Au and 6,600 ppm Cu and 15 samples had >200 ppm Cu and/or >100 ppb Au. Most of these samples were taken near the intersection of the two deeply-incised creeks.

3. REGIONAL GEOLOGY

The property is underlain mainly by volcanics of the Upper Triassic Takla Group near the eastern margin of the Triassic-Cretaceous Hogem Batholith (Fig. 1).

The Takla Group is mainly comprised of andesite and basalt tuffs, flows, breccias and coarse volcaniclastic breccias. Pyroxene porphyritic units are common. Many small co-magmatic alkaline stocks intrude the volcanics.

Garnett (1978) states that the Hogem Batholith differs in two significant ways from other Upper Triassic batholiths in the Quesnel Trough. The Hogem Batholith was emplaced episodically from Late Triassic to Cretaceous, rather than being confined to a short interval near the Triassic-Jurassic boundary. Unlike other batholiths such as the Guichon or Iron Mask Batholiths, which are calc-alkaline and alkaline respectively, the Hogem Batholith is comprised of four phases which alternated from alkaline to calc-alkaline, with each phase becoming increasingly felsic.

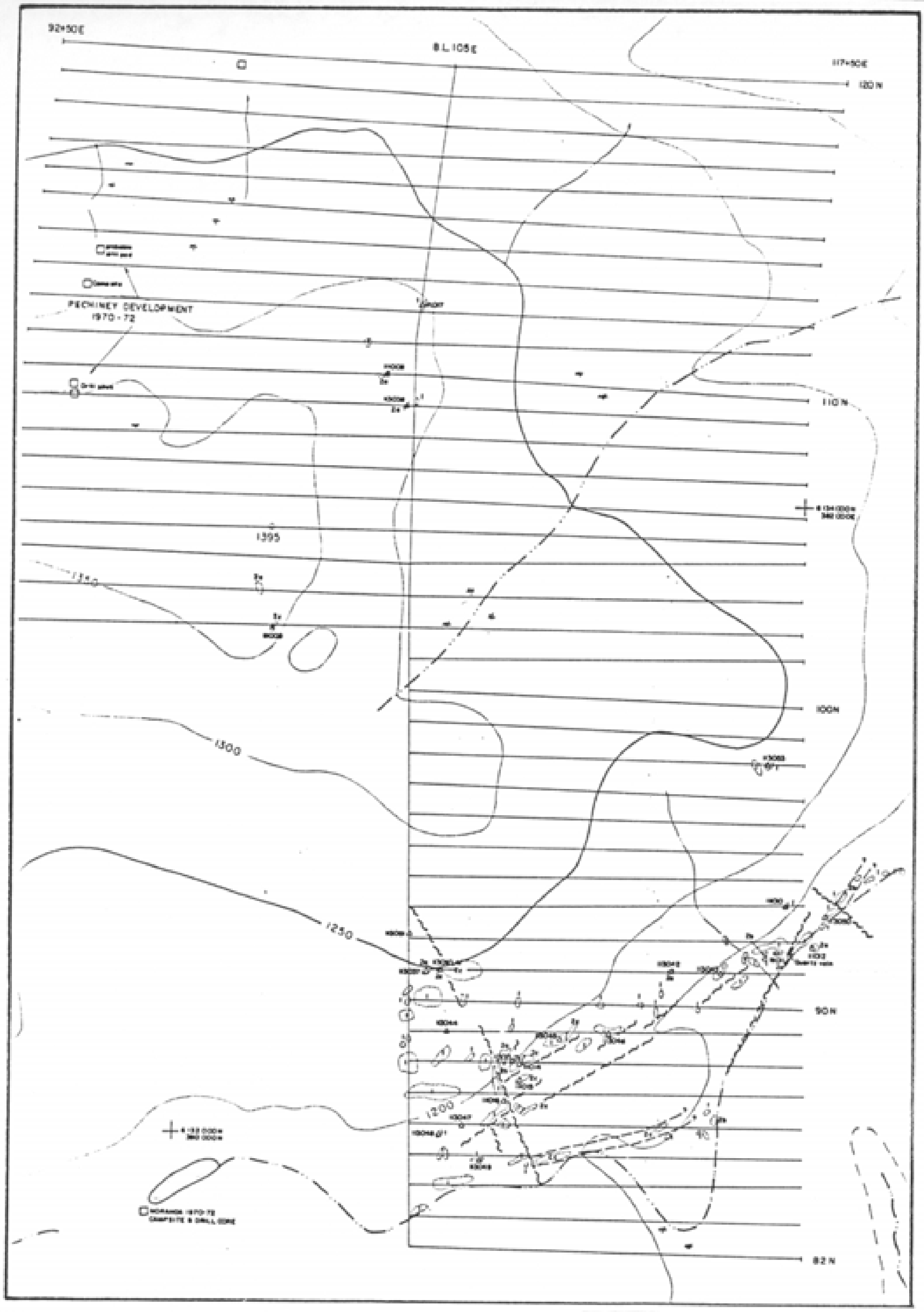
The region hosts numerous copper, copper-molybdenum and copper-gold prospects, most notably the Lorraine copper deposit and the Mt. Milligan copper-gold deposit.

4. PROPERTY GEOLOGY

A. Rock Types

The 1990 grid on the Ahdatay property is underlain by andesitic to latitic Takla Group volcanic rocks (>90%). and dykes (<10%) that range in composition from monzonite/monzodiorite to aplitic syenite (Fig's. 3a,3b). The Takla Group rocks include: augite porphyry latite/andesite flows and lapilli fragmentals, crystal-lithic ash tuffs, and augite-plagioclase hypabyssal sills. One calcareous interflow sedimentary unit (limestone (?)) was mentioned in a previous internal report but was not located during this program. The dykes are divided into three groups: diorite-monzodiorite. monzonite-leucocratic monzonite, and aplite-syenite-quartz monzonite. Outcrops are abundant in the southern third of the grid along the deeply incised creeks where there is abundant aplitic rock. This area is termed the "Aplite Creek Zone". Outcrop is scarce to the north where a 5-25 m thick veneer of boulders (predominantly derived from the Hogem Batholith) cover the bedrock. There is little geological or geophysical evidence for a monzonite/diorite stock previously shown to occur in the northern portion of the grid area (Fig's. 3a,3b).

The Takla Group volcanic rocks are predominantly augite porphyry latite/andesite flows and fragmental rocks. Medium-grained and rarely coarse-grained, euhedral augite phenocrysts comprise 10-35% of the rock, with an aphanitic or fine-grained trachytic, plagioclase - augite matrix. Fragmental textures are observed in Pechiney 1972 drill core from the northwest part of the grid, and in the southern third of the grid. Hypabyssal sills with greater than 60% augite are present and apparently interdigitate



LEGEND

1	Takla Group Volcanics
2a	Diorite, monzodiorite
2b	Monzonite (locally leucocratic)
2c	Syenite, quartz monzonite (locally aplitic)
	Outcrop
	Contact - definite, assumed
	Fault
△ 111008	Rock chip sample site & Nº.
	Old drill hole site
	Drainage
	Swamp

0 — 500 Metres

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AHDATAY PROPERTY
PHIL A CLAIM GROUP

PROPERTY GEOLOGY

SCALE: AS SHOWN		DRAWN BY: CTB, RB, WP	FIG. 3a
DATE: JAN. '91	REV.:	DRAFTED BY: Chang	
N.T.S. 93N/7	PROJ.: 10154	REPORT: BPVR 90-6	

with the flows and fragmental rocks. At the eastern end of the southern third of the grid, plagioclase-rich diorite/monzodiorite appears to represent the upper portions of the hypabyssal sills. Nearly aphyric latites are observed locally. Bedding and facing directions for the volcanic rocks have not been observed. Previous mapping indicated a north-northwest strike with steep dips and facing directions to the east, consistent with airborne and ground magnetic trends.

The intrusive rocks are located along sub-vertical faults, one with a 340°-345° trend, and others with an 070° trend. Fine-grained monzodiorite and aplitic syenite are present near the junction of two faults at 86+40N, 103+20E. The monzodiorite is strongly magnetic and is interpreted to extend for 1.8 km to the north-northwest from this junction, as shown by a coincident strong ground magnetic anomaly. Medium-grained syenite and syenite breccia are present 350 m north of the junction, and medium-grained leucocratic monzonite, monzonite breccia and aplitic syenite occur sporadically for over 110 m to the east-northeast of this junction.

B. Structure

The fault zones are characterized by hackly-fractured, iron-oxidized volcanic rocks, the presence of dykes, and deeply-incised topography. Several fault zones correspond to linear features on topographic maps and air photos. Linear features are most prominent in the vicinity of the Aplite Creek Zone and extend to the west off the gridded area. A preliminary interpretation of the linear features in the Aplite Creek Zone and to the west is that, in general, they correspond to a conjugate fracture set for a north-northwest-oriented stress field, with the 340°-345° fault representing a dilatant fracture. The prominent northeast-trending linear feature to the north may represent a different tectonic event.

C. Alteration and Mineralization

Both intrusive and extrusive rocks have slight to moderate pervasive propylitic alteration, which increases in intensity toward the 070° and 345° faults. Potassic alteration is moderate to intense within 25-50 m of these faults, and is generally weak to absent elsewhere. Aplitic syenite dykes are interpreted to post-date alteration.

Mineralization is most abundant in and adjacent to faults, but is present locally up to 100 m away from the principal faults. Pyrite, pyrrhotite and chalcopyrite are the only sulfide minerals noted. They are accompanied by malachite, magnetite (hydrothermal), calcite, jarosite (?) and iron oxides locally. Mineralization is present principally along fractures and as the matrix of breccias in altered volcanic and intrusive rocks. It is also present within quartz veins up to 4 cm thick, and with local disseminations of epidote and K-feldspar.

D. Rock Chip Sampling

The 1990 mapping and rock chip sampling program collected 21 samples from the southern third of the grid and 13 samples from the northern two-thirds. The latter samples include drill core from Pechiney and Noranda drilling. The sample locations are shown in Figure 3a,3b with analytical results found in Appendix V.

5. DIAMOND DRILLING

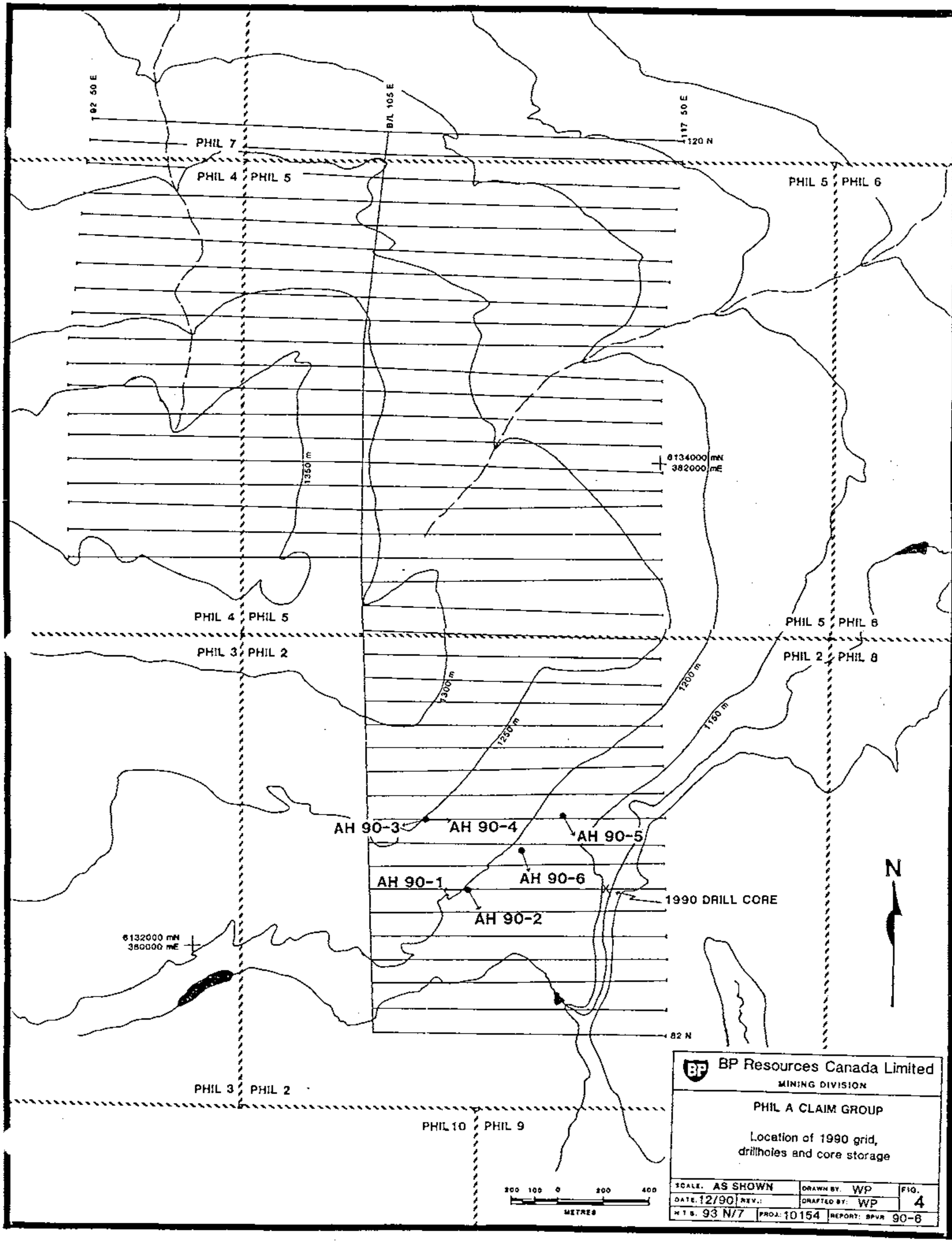
From September 11 - September 27, 1990, Boisvenu Drilling Ltd. of Langley, B.C., completed 1067.8 m of BQ drilling in 6 holes at a total cost of $95,338. All drill holes are located within the PHIL 2 claim (Fig. 4).

Four helicopter/drill pads were prepared by Hewitt Co & Associates in early September.

Drill core was split, logged and stored on the property in racks located at at 88N/114+75E. All holes were continuously and completely split and sampled over 2 m intervals. Drill logs and summaries are included in Appendix III. Results for 30 element ICP and geochemical Au analysis, conducted by Acme Analytical Laboratories in Vancouver, are given in Appendix IV.

The six drill holes (Figure 5) were located to test copper-gold mineralization in three zones along two prominent fault trends. The first trend at 345° is highlighted by topographic and coincident magnetic and I.P. features that correlate with rock and soil Cu and Au anomalies. The second trend at 070° is delineated by aplitic rocks along the Aplite Creek Zone.

The drilling encountered andesite/latite tuffs and flows and related hypabyssal sills, a suite of aplitic syenite and monzonite dykes, and sub-vertical faults, all delineated by previous geological mapping. In the subsurface, the rocks have pervasive moderate,



92 50 E
B/L 105 E
117 50 E
120 N
82 N
PHIL 7
PHIL 4
PHIL 5
PHIL 6
PHIL 3
PHIL 2
PHIL 8
PHIL 10
PHIL 9
1350 m
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1200 m
1150 m
6134000 mN
382000 mE
6132000 mN
380000 mE
AH 90-1
AH 90-2
AH 90-3
AH 90-4
AH 90-5
AH 90-6
1990 DRILL CORE
N
200 100 0 200 400
METRES
BP Resources Canada Limited
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PHIL A CLAIM GROUP
Location of 1990 grid, drillholes and core storage
SCALE: AS SHOWN
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FIG. 4
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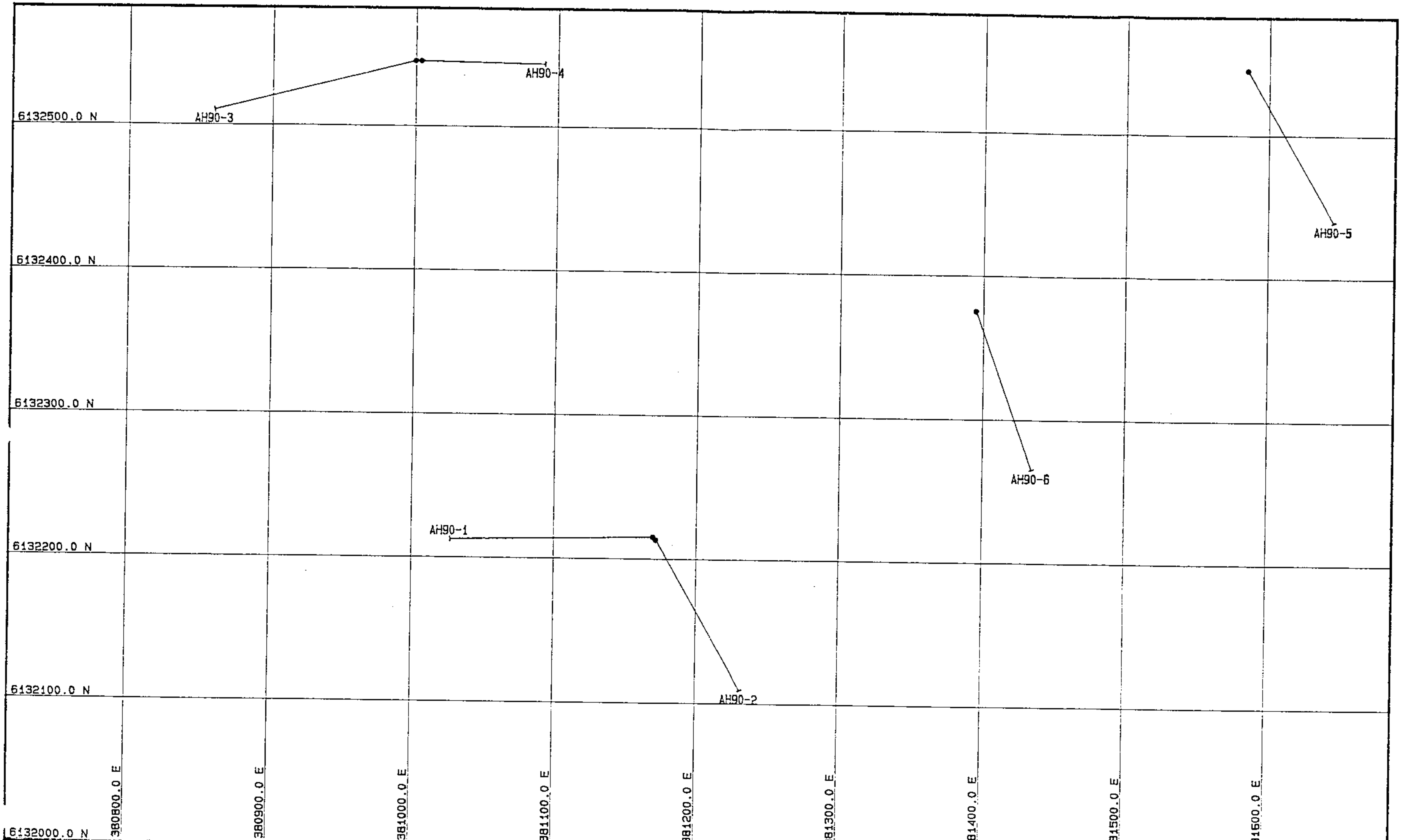
PROJ: 10154
REPORT: SPVR 90-6



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AHDATAY DRILL PROJECT 1990
BP RESOURCES/ASTON RESOURCES
DRILLHOLE PLAN AH 90-1 to AH 90-6
UTM Coordinates
WP Dec./90

Fig. 5

and locally strong propylitic alteration (chlorite, epidote, lesser carbonate), and slight to moderate potassic alteration (k-feldspar) locally. Hydrothermal magnetite and biotite were not observed.

All drill holes encountered minor copper mineralization, and AH 90-3 through AH 90-6 encountered minor molybdenum mineralization. The levels of visible chalcopyrite and molybdenite are low. The best intersections are :

Drill Hole	Interval(m)	Length(m)	Cu ppm	Au ppb
AH 90-1	88.0-108.0	20.0	1018	73
AH 90-3	40.0- 50.0	10.0	700	400
AH 90-4	60.0 -64.0	4.0	46	1725
	76.0- 82.0	6.0	806	413
	106.0-112.0	6.0	981	6420
AH 90-6	82.0- 90.0	8.0	700	34

A. **345° Fault Zone**

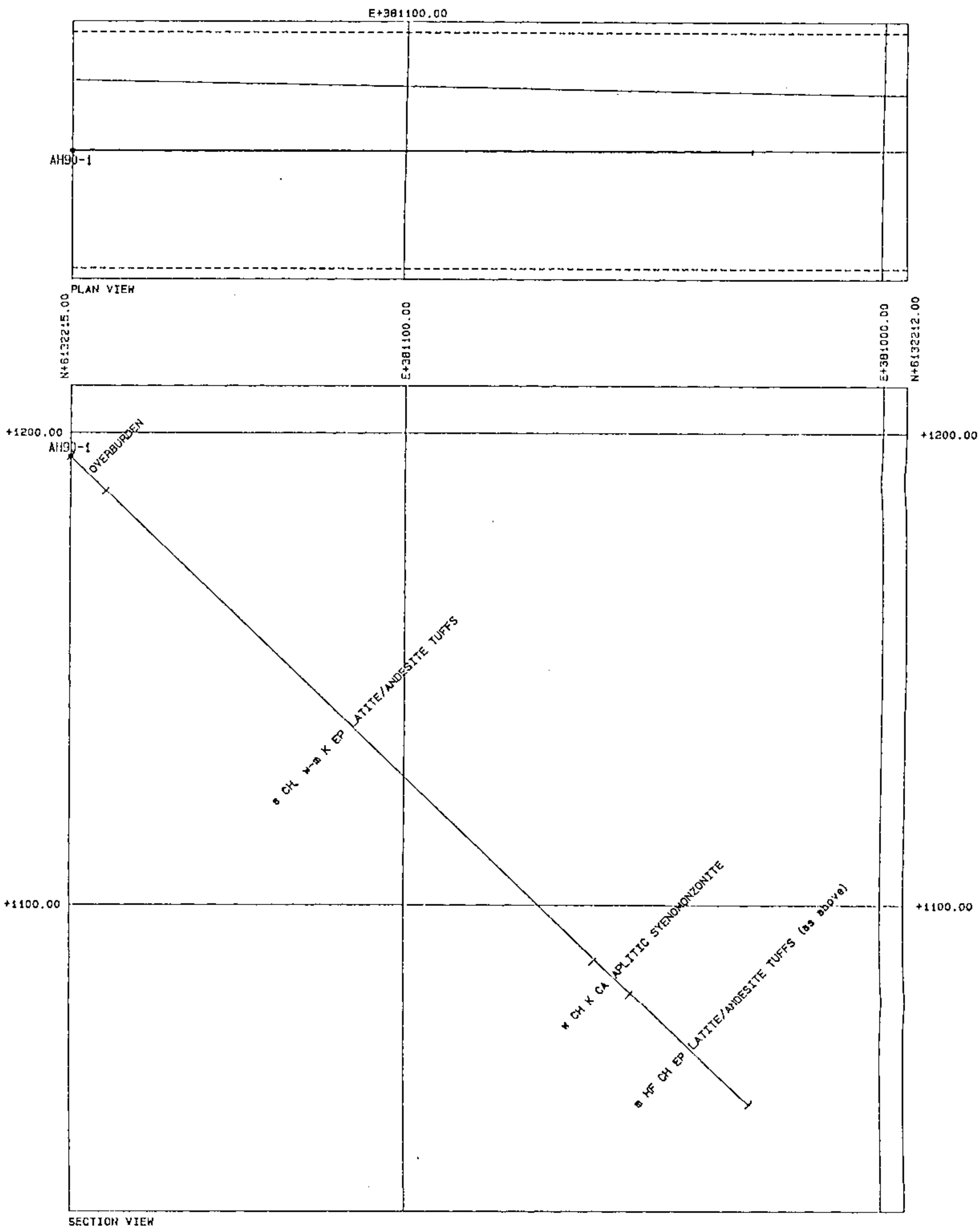
Drill Hole AH 90-1 was drilled -45° west, just south of line 88N, to test the intersection of the 345° fault and the Aplite Creek zone where malachite is exposed on surface. The drill hole cut mainly latitic to andesitic lapilli tuffs (Figure 6). One intrusive unit of aplitic syenite was intersected at 153.3-163.7 m in the approximate area of the projected structural intersection. Only one other 10 cm dyke of intrusion was encountered at 11.0 m. A small (40 cm) zone of possible hybrid rock was intersected at 20.6 m and contained "swirls" of chloritized Takla volcanic in a shattered felsic intrusion.

K-feldspar is extremely variable (<3% to 60% locally) in the volcanics with the bulk of it considered primary. Upon staining, the k-feldspar is seen to be confined to the groundmass and rarely in phenocrysts, and is patchy when in smaller amounts. Some secondary k-feldspar occurs near the contact with the aplitic intrusion. Very little k-feldspar occurs as fracture-fillings or veinlets.

Biotite hornfels is weak to moderate on either side of aplitic syenite and extends to the bottom of the hole.

Analytical results for gold and copper show only sporadic anomalous values (Figure 7). The greatest gold value is 380 ppb and coincides with the greatest copper value of 2937 ppm. The mean values for gold and copper, respectively, are approximately 50 ppb and 600 ppm. The best intersection in this hole, a 20 m zone from 88.0-108.0 m, contains 1018 ppm copper and 73 ppb gold. This zone is weakly stockworked with moderate propylitic alteration. Recoveries average ~90% in this zone and the lower portion contains a section of chalcopyrite-bearing quartz veining immediately adjacent to a clay gouge fault.

Drill hole <u>AH 90-3</u> was drilled -45° at 256° azimuth on line 91N to test the same fault zone approximately 350 m along strike. It would appear that the target was hit before



QUICK-PLOT GEMCOM Services Inc.	DATE = 12-12-90 TIME = 12:12:55	BP Resources Canada Vancouver Office	AHDATAY DRILL PROJECT 1990 BP RESOURCES/ASTON RESOURCES CROSS SECTION AH90-1 Geology vs. Alteration WP Dec./90
HORIZONTAL SCALE = 1 : 1000		VERTICAL SCALE = 1 : 1000	

Fig. 6

QUICK-PLOT GEMCOM Services Inc.	DATE = 12-12-90 TIME = 11:12:52	BP Resources Canada Vancouver Office	AHDATAY DRILL PROJECT 1990 BP RESOURCES/ASTON RESOURCES CROSS SECTION AH90-1 Cu ppm (left) vs. Au ppb (right) WP DEC./90
HORIZONTAL SCALE = 1 : 1000		VERTICAL SCALE = 1 : 1000	

Fig. 7

the anticipated depth (approximately 125.0 m) indicating a possible easterly dip or a slightly curvi-linear strike (Figure 8). From 115.9-137.7 m, a highly-altered hybrid zone with numerous clay shears was intersected with intense shearing from 124.5-128.4 m.

From the bottom of casing at 3.1 m to 20.6 m is a weakly altered crowded porphyry monzonite. The mafic content (1-15%) appears to be almost entirely biotite. The core is blocky and rubbly with numerous (50-150/m) irregular microfractures. The occasional quartz vein contains coarse clotty chalcopyrite but overall only trace chalcopyrite exists. Alteration increases with depth to a moderately altered augite-phyric latite/andesite with relatively strong k-feldspar alteration at 20.6-23.8 m.

From 23.8 to 40.7 m is a hybrid zone of k-feldspar-altered augite-phyric latite/andesite and aplitic syenite. Chlorite alteration increases and k-feldspar alteration decreases with depth.

From 40.7 to 43.5 m is a very chlorite- and pyrite-rich shear zone at 20° to the core axis. Moderate biotite alteration is also present. Molybdenite (0.1% to 0.5%) and clotty chalcopyrite (0.1% to 0.4%) are found with up to 30% pyrite.

From 43.5 to 95.5 m, a mixed, crowded porphyry monzonite/syenite, similar to above, with moderate k-feldspar alteration was intersected. Traces of chalcopyrite and molybdenite mineralization persist.

From 95.5 to 137.7 m is a hybrid zone, similar to above, corresponding to the projected strike of the 345° fault. The centre of this zone (124.5-128.4 m) is very strongly sheared and altered. Clay gouge zones and alteration decrease with distance from the zone. There is also moderate brecciation immediately below this zone. No economic mineralization is visible over this interval and the analytical results substantiate this observation.

From 137.7 to the end (202.7 m) the drilling intersected weakly to moderately altered augite-phyric latite tuffs. K-feldspar in the volcanics is seen to be both primary and secondary upon staining, occurring pervasively in the groundmass and as fracture envelopes.

Analytical results for gold and copper show one 10 m zone from 40.0-50.0 m of 700 ppm copper and 400 ppb gold. Included in this interval is a single assay of 440 ppm molybdenum (Figure 9).

B. Aplite Creek Zone

Drilling in the Aplite Creek zone was intended to test for possible mineralization associated with the aplitic dykes.

Drill hole AH 90-2 was collared from the same site as AH 90-1 and drilled -46° at 150° azimuth. From the bottom of casing at 3.6 m to the end of the hole (164.0 m), the drilling cut a repetitive series of andesitic lapilli fragmentals and crystal ash tuffs

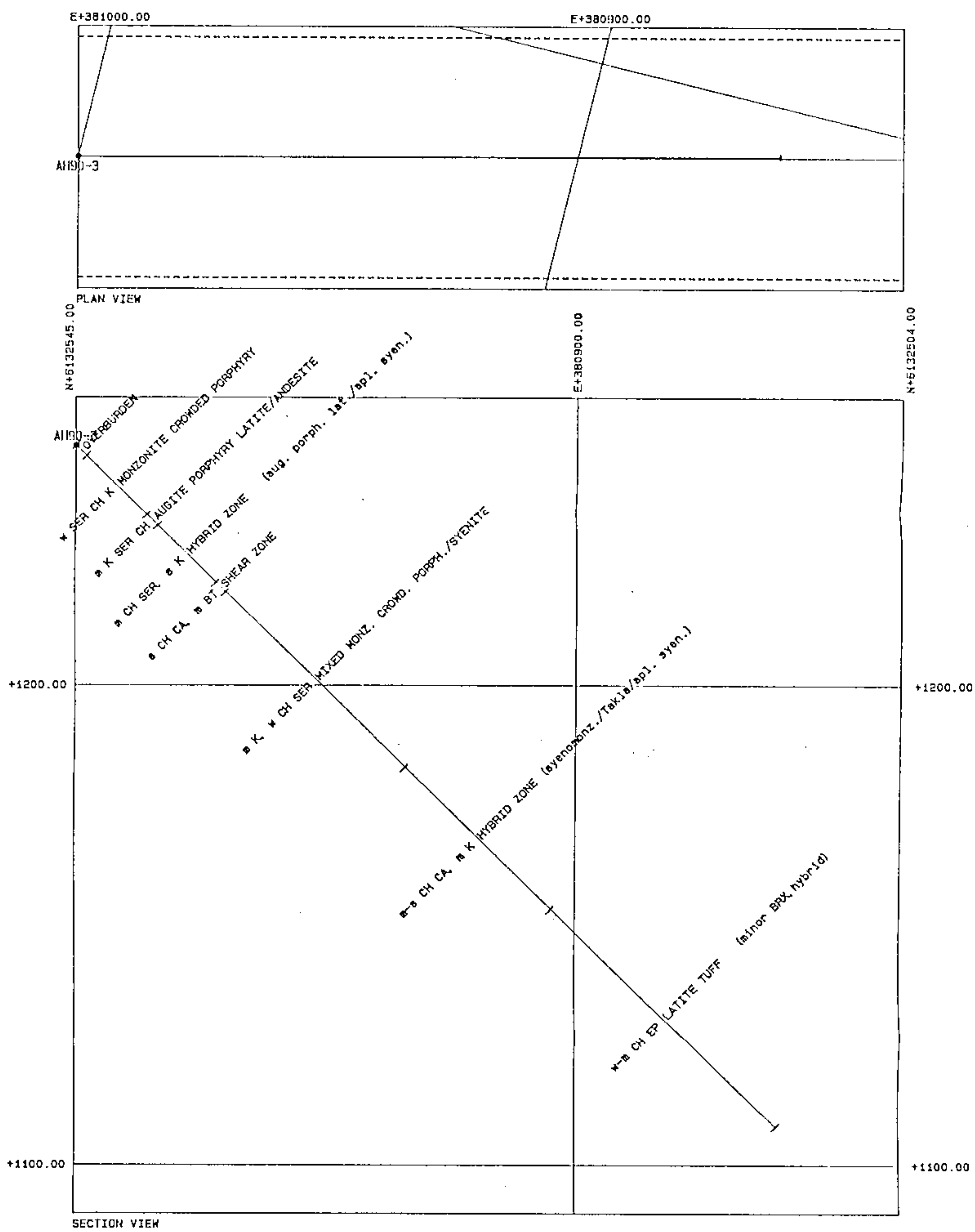


Fig. 8

QUICK-PLOT GEMCOM Services Inc.	DATE = 12-12-90 TIME = 12:24:20	BP Resources Canada Vancouver Office	AHDATAY DRILL PROJECT 1990 BP RESOURCES/ASTON RESOURCES CROSS SECTION AH90-3 Geology vs. Alteration WP Dec./90
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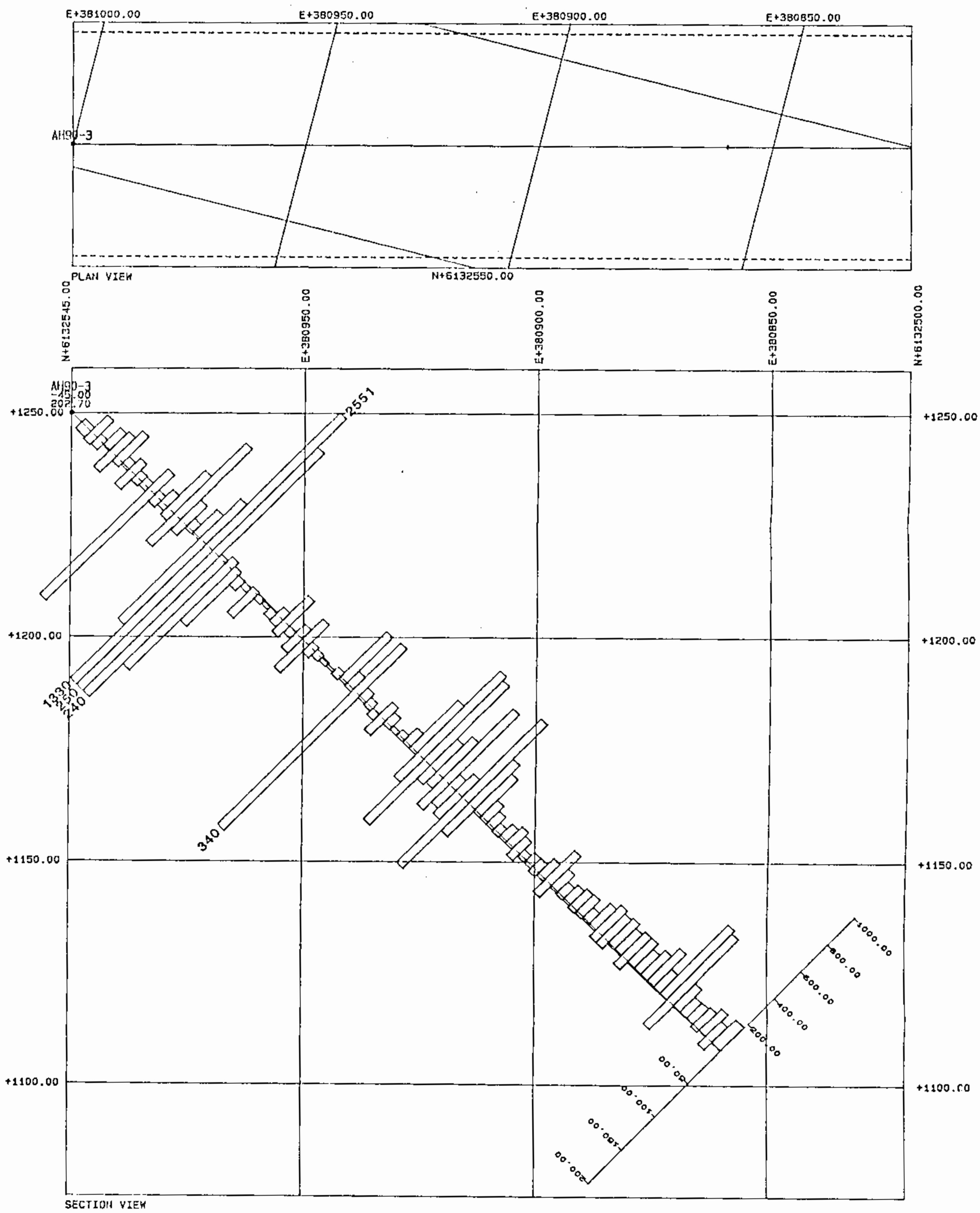

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HORIZONTAL SCALE = 1 : 1000		VERTICAL SCALE = 1 : 1000	Cu ppm (left) vs. Au ppb (right) WP DEC./90

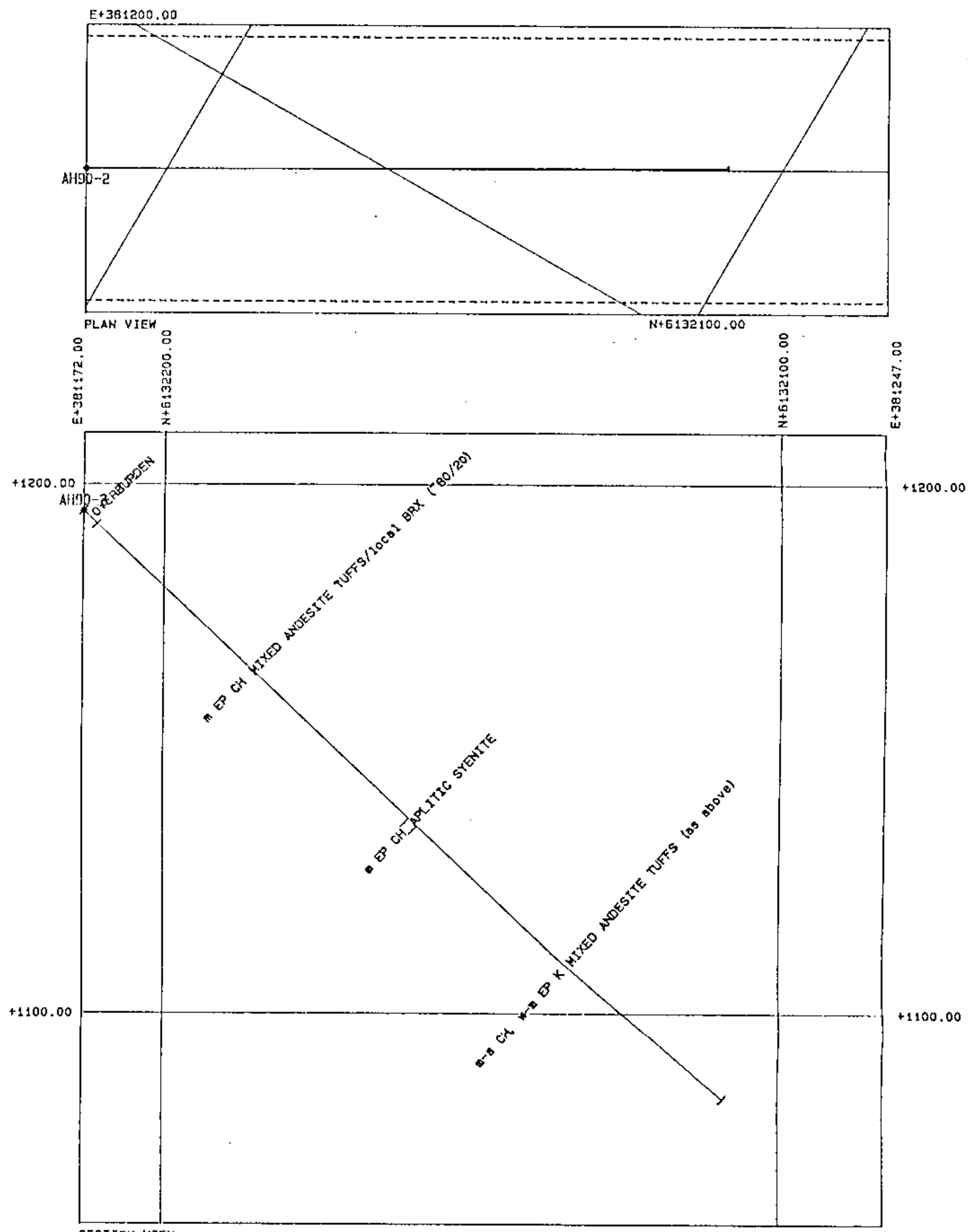
Fig. 9

(Figure 10). Comparison with AH 90-1 indicate that this hole was probably drilled across stratigraphy, whereas AH 90-1, for the most part, paralleled stratigraphy. Block faulting could account for this apparent change in regional strike. Occasional brecciated and faulted zones are found throughout the hole. One large dyke of aplitic syenite was cut from 84.4-86.5 m. It is moderately propyliticalIy altered and rubbly.

Except for the intrusion, moderate to strong oxidation of iron is present throughout the hole with brecciated zones being more strongly oxidized. Staining of the core revealed most of the k-feldspar ($\leq$5% in total) to be secondary in nature, occurring as fracture-fillings and envelopes.

Analytical results show low gold and copper values. The best intersection is from 126.0 to 142.0 m where values of 77 ppb gold and 500 ppm copper over 16 m were returned with slightly elevated molybdenum values (Figure 11). This zone is within a section of propylitically altered, brecciated, andesitic lapilli tuffs with occasional quartz veinlets.

Drill hole AH 90-5 was drilled -45° at 150° azimuth approximately 530 m along strike from AH 90-2 to test the same aplitic intrusion zone. From the bottom of casing at 1.9 m to 148.0 m the drill hole intersected augite porphyry flows and hypabyssal sills (Figure 12). The flows are latitic in composition with 15-60% augite phenocrysts and 5-30% subordinate plagioclase. The core has moderate to strong propylitic and moderate potassic alteration. Primary and secondary k-feldspar alteration is apparent



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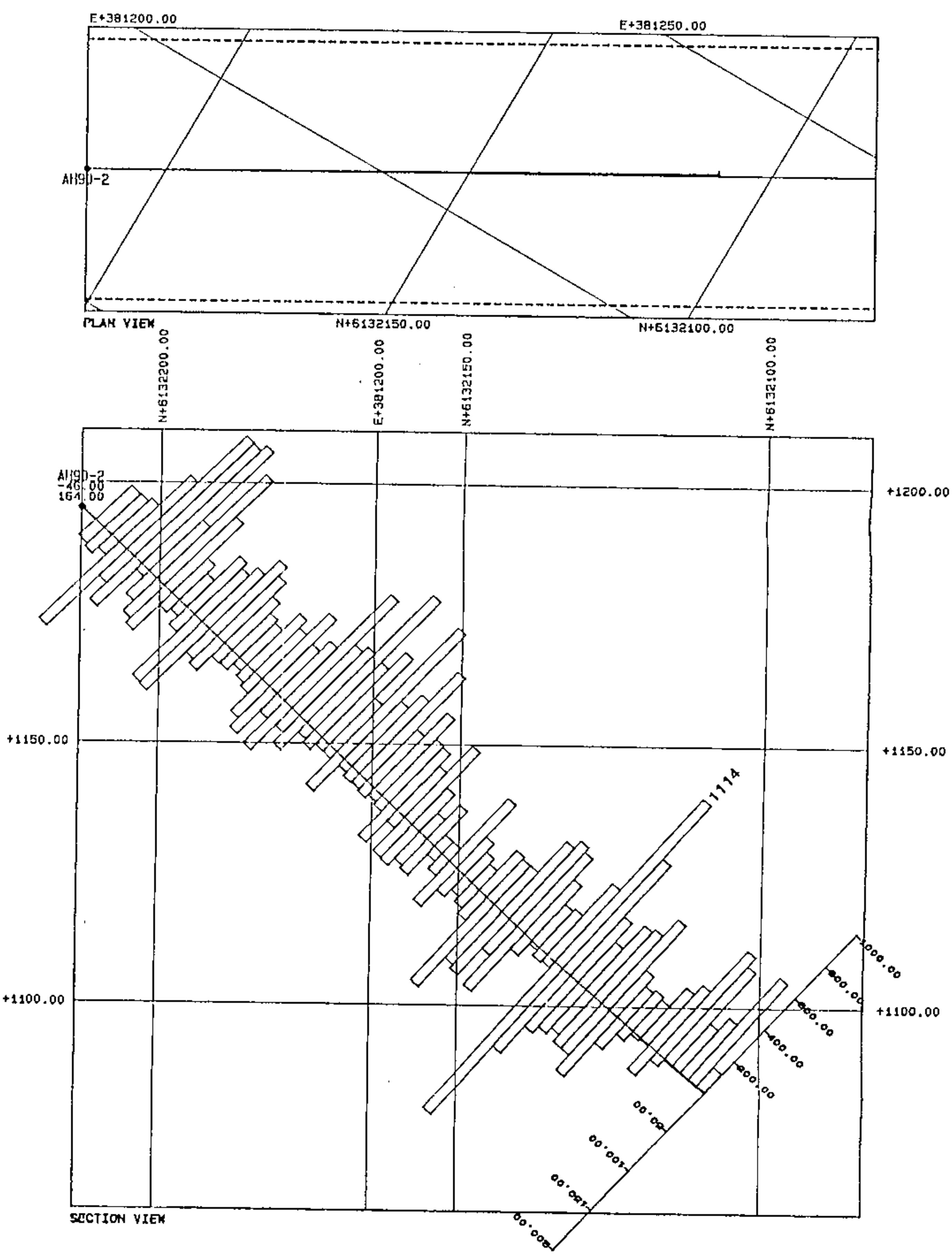
HORIZONTAL SCALE = 1 : 1000		VERTICAL SCALE = 1 : 1000	

Fig. 10



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HORIZONTAL SCALE = 1 : 1000		VERTICAL SCALE = 1 : 1000	

Fig. 11

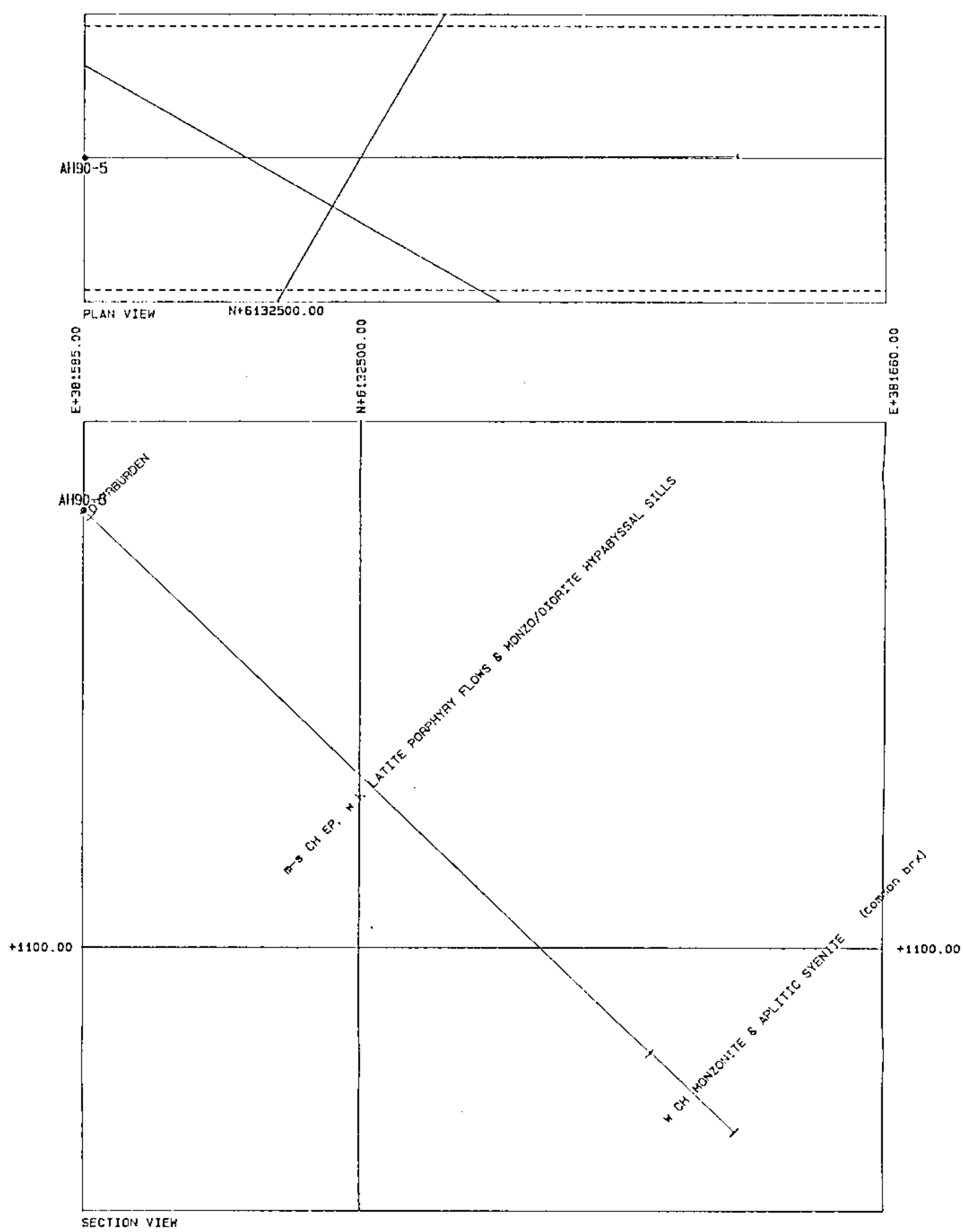
visually in the volcanic rocks.

The hypabyssal sills are monzonitic with up to 60% primary k-feldspar comprising 100% of the groundmass. They are orthocumulate and locally pyroxenitic. Moderate propylitic and weak potassic alteration exists but sulfide mineralization is sparse.

From 148.0 to the bottom of the hole at 170.0 m is medium-grained syenite cut by aplitic syenite, and quartz veins. This section is commonly brecciated.

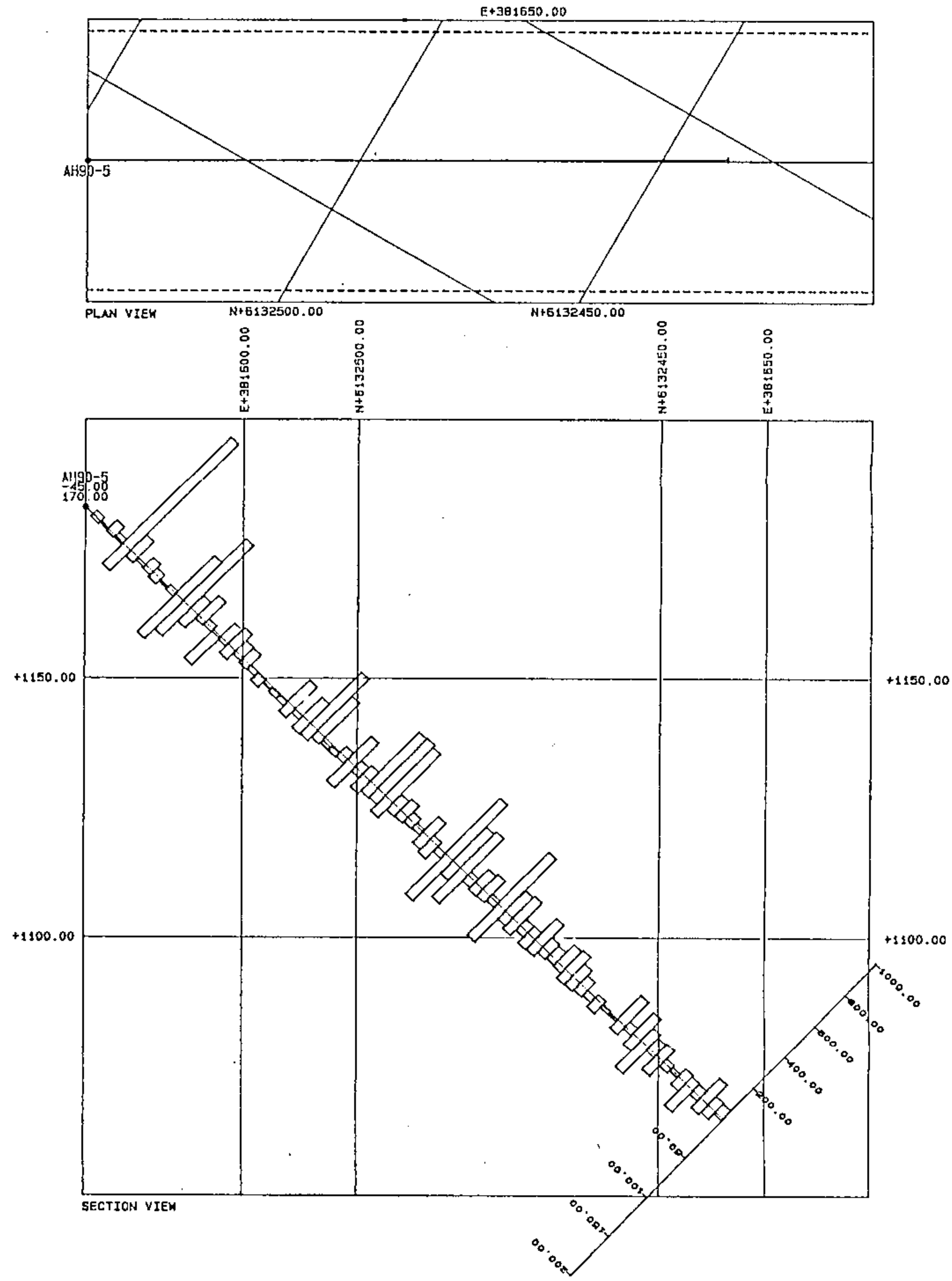
Analytical results show consistently low copper and gold values with averages of approximately 200 ppm copper and approximately 20 ppb gold over the entire hole (Figure 13).

Drill hole AH 90-6 was oriented -45° at 160° azimuth and located midway between AH 90-2 and AH 90-5. The hole intersected a series of andesitic to latitic crystal ash tuffs and flows intruded by dioritic to monzodioritic hypabyssal sills (Figure 14). From 2.4 m to 28.5 m is an augite-plagioclase porphyritic hypabyssal sill. From 28.5 to 30.5 m is a crystal ash tuff. These units are repeated at 30.5 and 37.0 m. The hypabyssal sills are subporphyritic with moderate propylitic alteration. Mineralization consists of $< 1.5\%$ pyrite with amounts of trace chalcopyrite locally. The tuffs are sparsely phyric and are also moderately propylitically altered. They contain less than 0.5% pyrite with no visible chalcopyrite.



QUICK-PLOT GEMCOM Services Inc.	DATE = 12-12-90 TIME = 14:34:19	BP Resources Canada Vancouver Office	AHDATAY DRILL PROJECT 1990 BP RESOURCES/ASTON RESOURCES CROSS SECTION AH90-5 Geology vs. Alteration WP Dec./90
HORIZONTAL SCALE = 1 : 1000		VERTICAL SCALE = 1 : 1000	

Fig. 12



QUICK-PLOT GEMCOM Services Inc.	DATE = 12-12-90 TIME = 11:44:24	BP Resources Canada Vancouver Office	AHDATAY DRILL PROJECT 1990 BP RESOURCES/ASTON RESOURCES CROSS SECTION AH90-5 Cu ppm (left) vs. Au ppb (right) WP DEC./90
HORIZONTAL SCALE = 1 : 1000		VERTICAL SCALE = 1 : 1000	

Fig. 13

From 40.4 to 44.5 m is a faulted, brecciated and sheared intermediate volcanic with some k-feldspar aplitic syenite. The zone is moderately propylitically altered and contains 5% pyrite in the breccia matrix.

From 44.5 to 66.5 m is andesite with moderate propylitic and weak potassic alteration. A crystal ash tuff was cut from 66.5 to 78.6 m and displays moderate potassic alteration locally. It exhibits mm-scale layering and up to 8% pyrite. From 78.6 to 93.0 m is a deformed and moderately to strongly propylitically and potassically- altered andesite similar to above. Pyrite is present from 0.5 to 8.0%.

A plagioclase phyric andesite with common faulted zones up to 80 cm in length was intersected from 93.9 to 100.5 m. The unit is moderately propylitically altered and sulfide mineralization is sparse.

From 100.5 to 143.6 m a section of andesite containing crystal-ash tuff horizons occurs. The tuffs show moderate propylitic and weak potassic alteration, while the andesite exhibits epidote hornfels alteration. Pyrite is present to 1% in the tuffs and up to 7% in the andesite.

From 143.6 to 162.0 m is an augite-plagioclase porphyritic hypabyssal sill with slight to moderate propylitic alteration. Minor pyrite is present.

At the bottom of the hole (162.0-164.1 m) is a faulted, brecciated and sheared volcanic unit with minor quartz/carbonate/aplitic syenite veining. The zone is moderately propylitically altered.

Analytical results show low values for copper and gold with the best intersection averaging 700 ppm copper and 34 ppb gold over 8 m from 82.0 to 90.0 m (Figure 15).

C. Magnetic/I.P. Anomaly

Drill hole AH 90-4 was drilled -59° to the east to test coincident north-northwest-trending magnetic and I.P. anomalies. From the bottom of casing at 3.7 m to 31.5 m is a hybrid zone of augite-plagioclase porphyritic andesite flow and subporphyritic monzonite. Both have moderate propylitic alteration and very minimal pyrite. The flow has a trachytic texture locally (Figure 16).

From 31.5 to 67.5 m is an andesite-latite. Strong propylitic alteration and numerous rubbly zones are seen. Pyrite to 8% and chalcopyrite to 0.1% occur.

A hybrid zone was cut from 67.5 to 86.3 m. It contains the same lithologies as above but has moderate potassic and propylitic alteration. Chalcopyrite comprises up to 0.3% locally. Again, there are many rubbly sections.

From 86.3 to 126.0 m is a monzonite that is slightly to moderately sericitized and potassically altered. Within a deformed and chloritized inclusion is trace chalcopyrite and molybdenite.

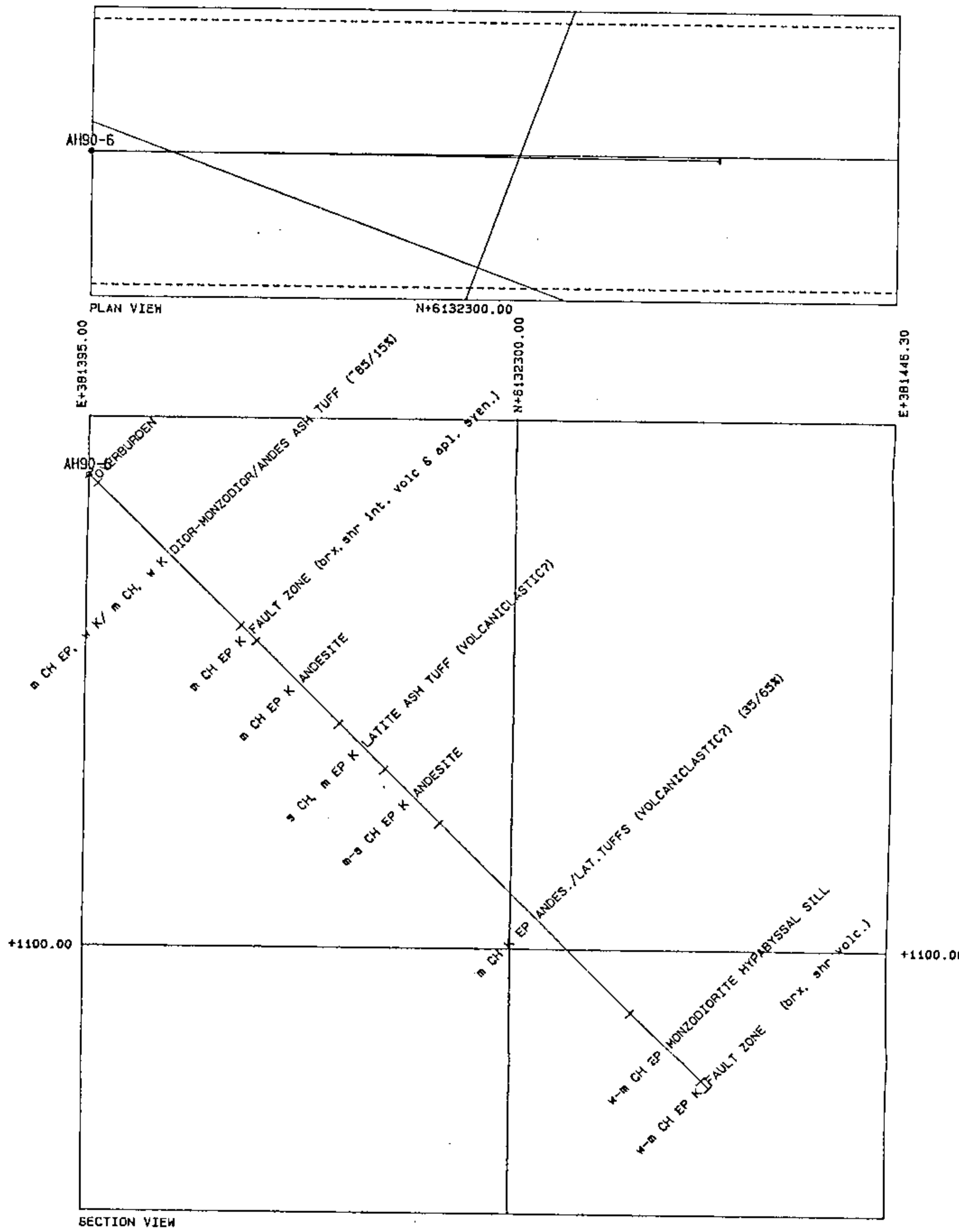
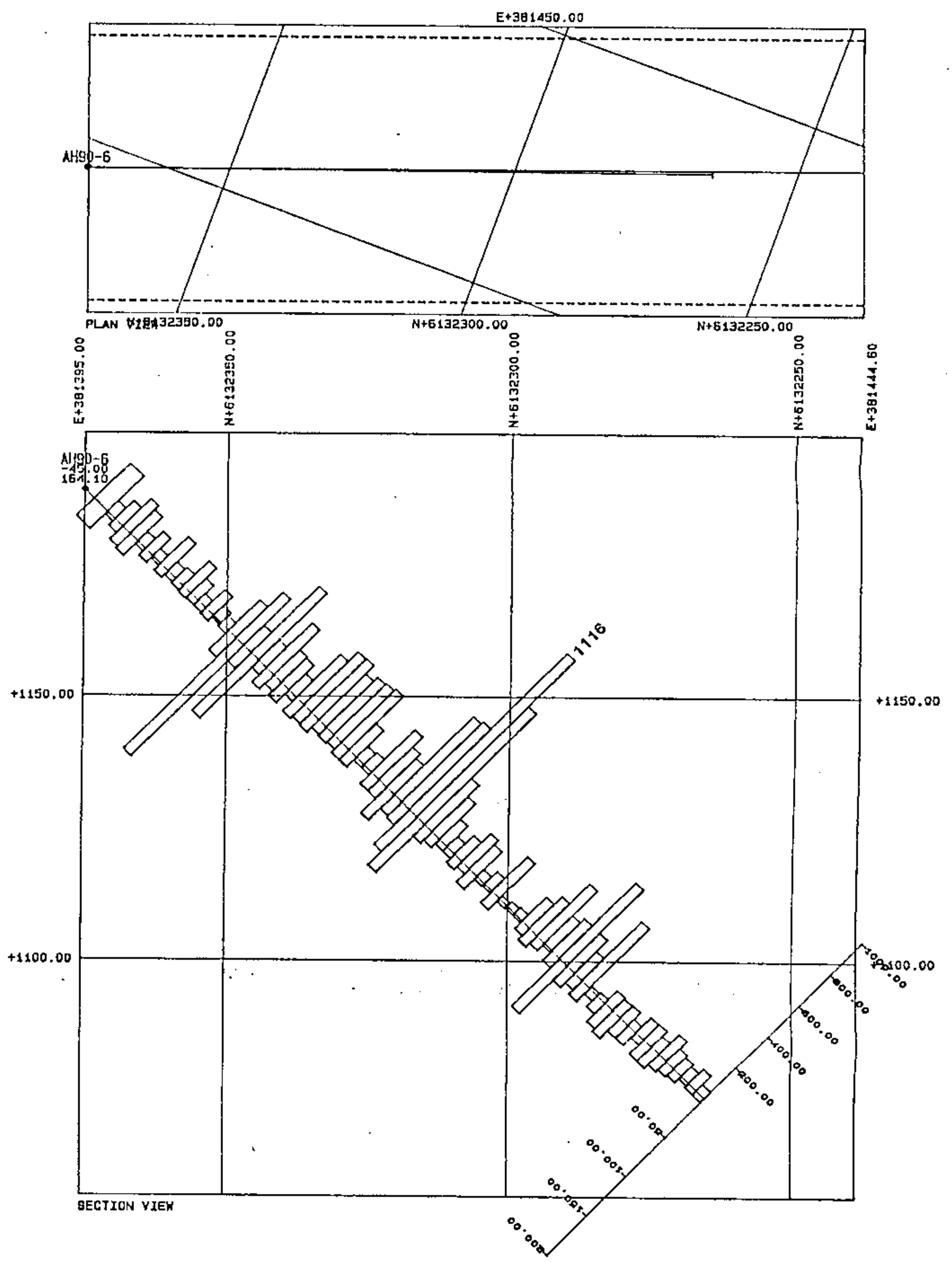


Fig. 14

QUICK-PLOT GEMCOM Services Inc.	DATE = 12-12-90 TIME = 14:40:22	BP Resources Canada Vancouver Office	AHDATAY DRILL PROJECT 1990 BP RESOURCES/ASTON RESOURCES CROSS SECTION AH90-6 Geology vs. Alteration WP Dec./90
HORIZONTAL SCALE = 1 : 1000		VERTICAL SCALE = 1 : 1000	



QUICK-PLOT GEMCOM Services Inc.	DATE = 12-12-90 TIME = 11:51:05	BP Resources Canada Vancouver Office	AHDATAY DRILL PROJECT 1990 BP RESOURCES/ASTON RESOURCES CROSS SECTION AH90-6 Cu ppm (left) vs. Au ppb (right) WP DEC./90
HORIZONTAL SCALE = 1 : 1000		VERTICAL SCALE = 1 : 1000	

Fig. 15

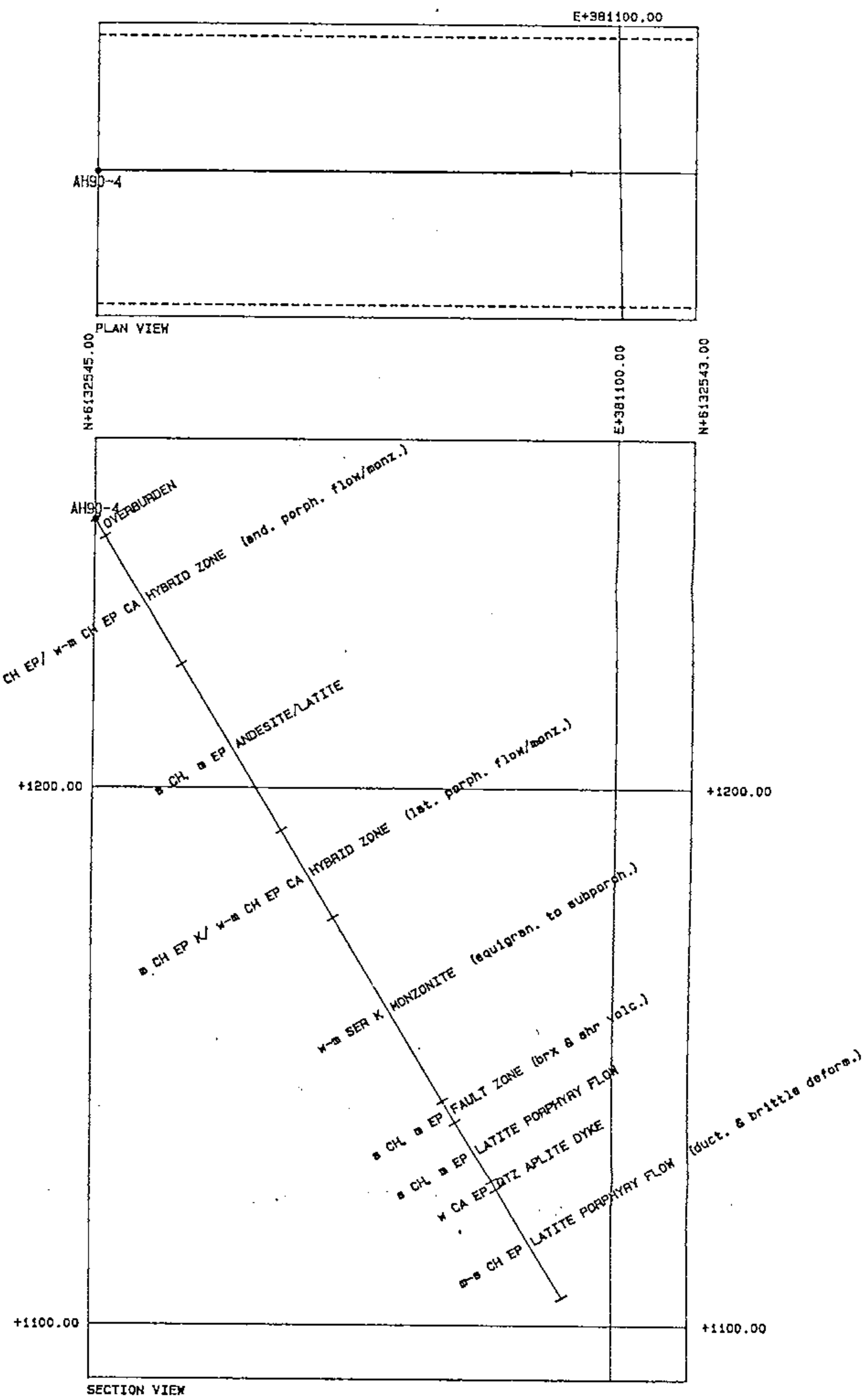
A fault zone from 126.0 to 130.6 m contains brecciated and sheared intermediate volcanics with strong propylitic alteration.

Below the fault to 143.5 m is an augite porphyritic latite flow with strong propylitic alteration. Pyrite to 3% and trace chalcopyrite are present.

A quartz-aplite vein with weak epidote and carbonate alteration was intersected from 143.5 to 145.3 m. The unit has chloritized latite inclusions and trace pyrite. Staining reveals 40% k-feldspar.

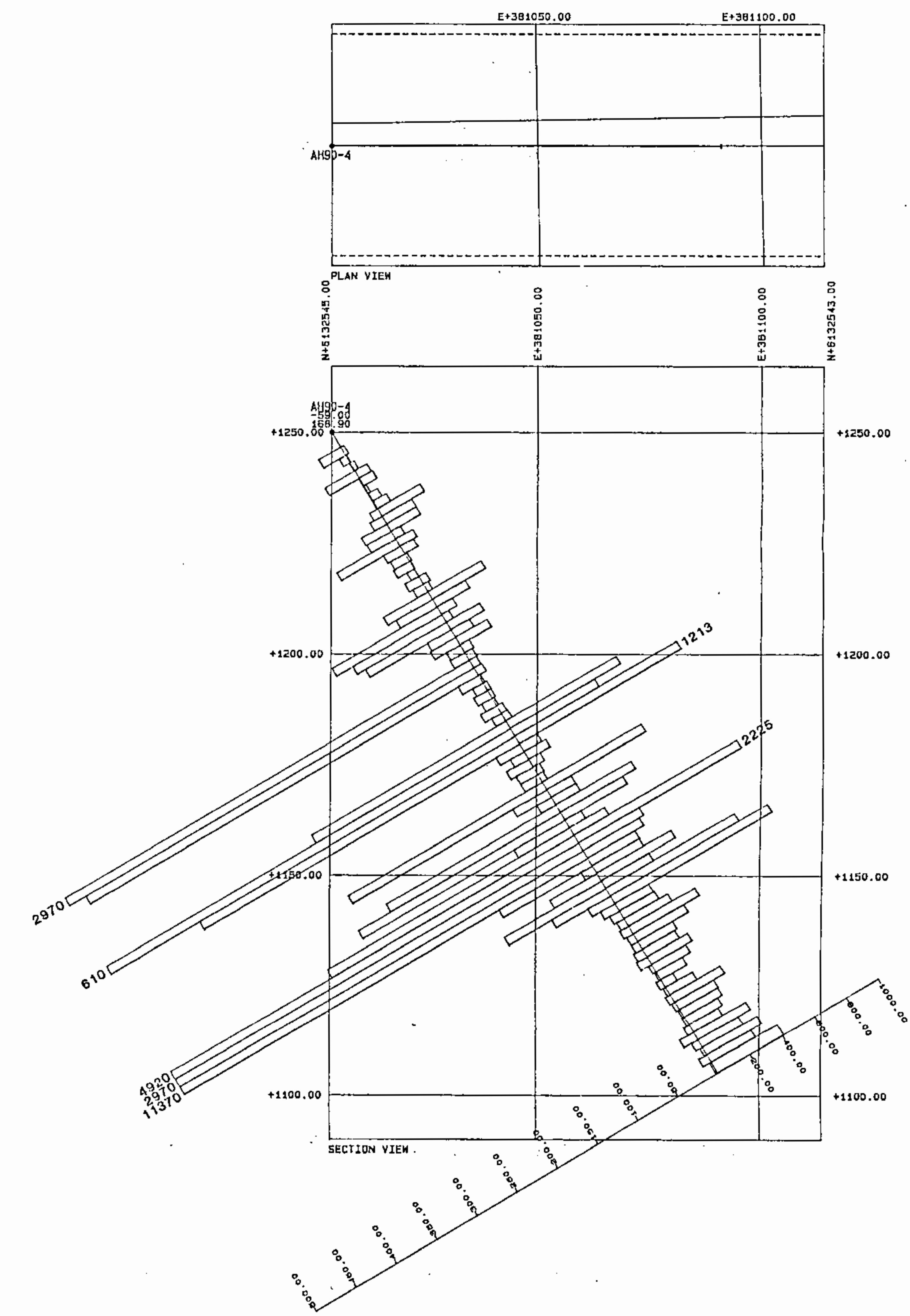
From 145.3 to the bottom of the hole at 168.9 m is an augite porphyry latite flow as above but with both brittle and ductile deformation. The unit is moderately to strongly propylitically altered. Mineralization includes 3% pyrite and trace chalcopyrite.

This drill hole displays the most alteration of the six holes and combined with the visible mineralization, indicates a greater potential for exploration. Analytical results from this hole show encouraging values with one main copper/gold intersection (rechecked by fire assay) of 981 ppm Cu/6420 ppb Au over 6 m from 106.0 to 112.0 m. Other isolated "spikes" occur occasionally for both copper and gold (Figure 17). This main intersection occurs within rubbly monzonite. A 6 cm quartz/pyrite vein was also noted in this interval.



QUICK-PLOT GEMCOM Services Inc.	DATE = 12-12-90 TIME = 12:32:17	BP Resources Canada Vancouver Office	AHDATAY DRILL PROJECT 1990 BP RESOURCES/ASTON RESOURCES CROSS SECTION AH90-4 Geology vs. Alteration WP Dec./90
HORIZONTAL SCALE = 1 : 1000		VERTICAL SCALE = 1 : 1000	

Fig. 16



QUICK-PLOT GEMCOM Services Inc.	DATE = 12-12-90 TIME = 11:33:05	BP Resources Canada Vancouver Office	AHDATAY DRILL PROJECT 1990 BP RESOURCES/ASTON RESOURCES CROSS SECTION AH90-4 Cu ppm (left) vs. Au ppb (right) WP DEC./90
HORIZONTAL SCALE = 1 : 1000		VERTICAL SCALE = 1 : 1000	

Fig. 17

6. CONCLUSIONS AND RECOMMENDATIONS

The 1990 drill program tested three targets with six holes totalling 1067.8 m on the PHIL 2 claim. Of the three targets, the 345°-trending fault and its associated IP and magnetic anomalies appears to show the greatest potential for further exploration. This structure appears to separate a moderately altered, subporphyritic monzonite intrusion, on the east, from zones of moderately to strongly-hybridized volcanic rocks on the west.

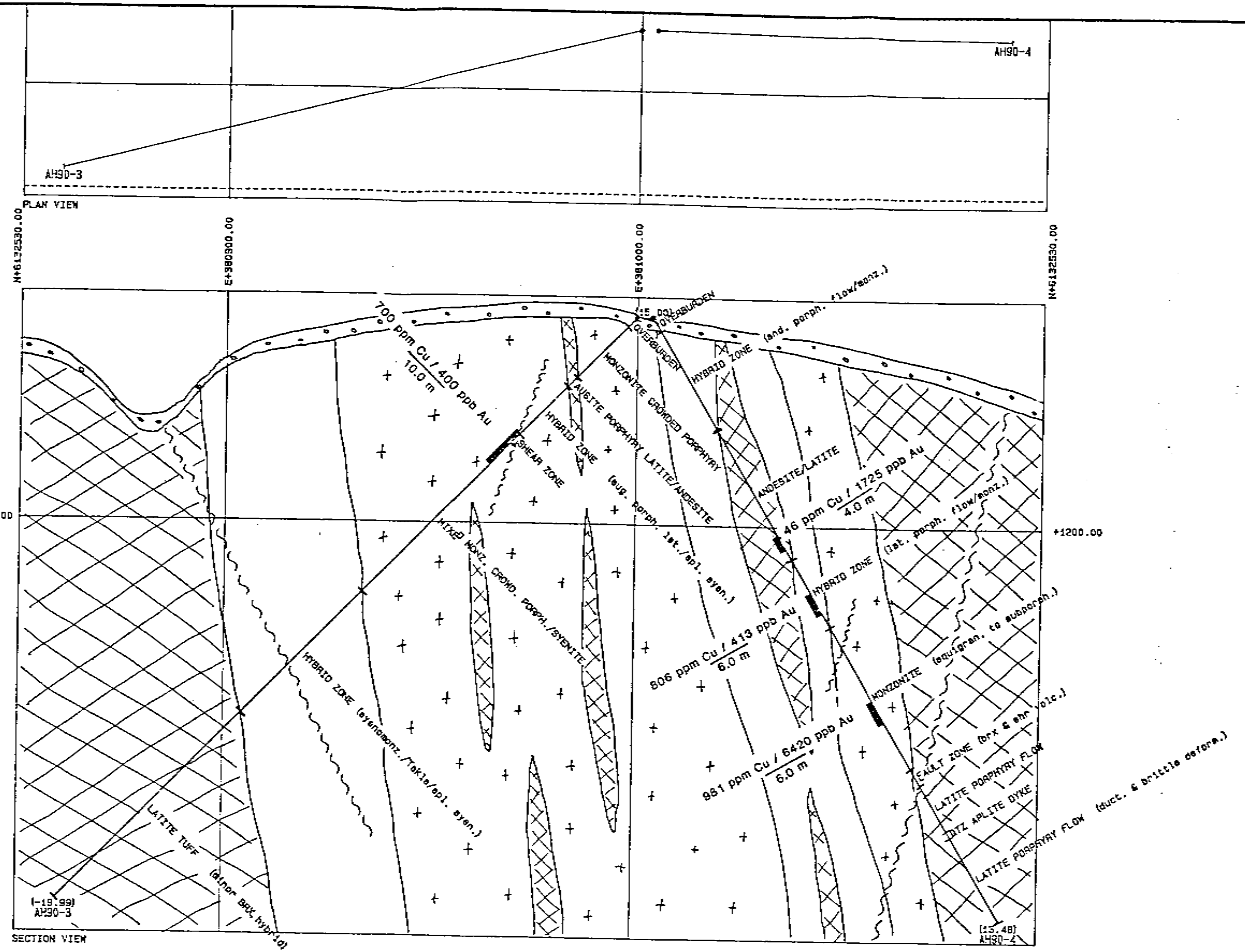
The two holes testing this zone (AH90-3 and AH90-4) returned significant assays warranting further work (Figure 18). The structure continues untested a possible 2 km along strike to the north northwest.

Rock chip sampling in 1990 and previous work by Noranda indicate a potential for exploration to the west and southwest of the 1990 grid.

Recommendations for a 1991 program are:

1) extend the existing grid to the west and southwest (25 line-km) with line-cutting, ground IP, magnetics and geological mapping and sampling; and

2) drill six holes (~1200 m) to test the extension of the north northwest trending IP and magnetic anomaly with its gold mineralization.



GEOLOGICAL CROSS SECTION

DDH AH 90-3 & 90-4

TAKLA VOLCANICS

MONZONITE to SYENITE dykes

VOLCANIC/INTRUSIVE HYBRID

Scale 1 : 1 000

20 10 0 20 40

METRES

QUICK-PLOT GEMCOM Services Inc.	DATE = 17-12-90 TIME = 12:54:09	BP Resources Canada Vancouver Office	AHDATAY DRILL PROJECT 1990 BP RESOURCES/ASTON RESOURCES COMPOSITE CROSS SECTION AH 90-3 + 90-4 Geology WP Dec./90
HORIZONTAL SCALE = 1 : 1000		VERTICAL SCALE = 1 : 1000	

Fig. 18

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Armstrong, J.E., (1949)	Fort St. James map area, Cassiar and Coast Districts, British Columbia. G.S.C. Memoir 252, 210 pp.
Garnett, J.A., (1978)	Geology and Mineral Occurrences of the southern Hogem Batholith. B.C. Department of Energy, Mines and Pet. Res. Bull. 70, 75 pp.

ASSESSMENT REPORTS

LUC Syndicate; (1970)	LUC Claims, Assessment Report #2430.
Noranda; (1972)	Sooner Claims, Assessment Report #'s 3962, 4431.
Pechiney Development Ltd.; (1972)	IAN Claims. Assessment Report #4430.
(1973)	Assessment Report #4653.
(1974)	Assessment Report #'s 5148, 5212.
BP-Selco Inc. (1983)	Assessment Report #12149 PHIL 2 Claim Group.
BP Resources Canada Limited (1984)	Assessment Report #13342 PHIL 2 Claim Group.

APPENDIX I

STATEMENT OF QUALIFICATIONS

<u>STATEMENT OF QUALIFICATIONS</u>

I. William Paterson of #1103 - 1905 Robson Street, Vancouver, in the Province of British Columbia, do hereby state:

1) That I am a graduate of Queen's University, Kingston Ontario, where I obtained an Honours B.Sc., in Geology in 1989.

2) That I have been active in mineral exploration since 1986.

WILLIAM PATERSON
Geologist

January, 1991
Vancouver, B.C.

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 a 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

C. TUCKER BARRIE

January, 1991
Vancouver, B.C.

APPENDIX II

STATEMENT OF COSTS

STATEMENT OF COSTS

1) DRILLING

Drill site preparation (Hewitt Co. & Assoc.)		$ 3,924.00
1067.8 m BQ @ $61.77/m (F. Boisvenu Drilling Ltd.)		65,960.00
Mobilization/Demobilization		4,600.00
Move costs		16,713.00
Miscellaneous costs:		
acid tests	$ 358.00	
materials	5,637.67	
camp charges	1,200.00	
other	858.59	
		8,065.00

2) GEOCHEMICAL ANALYSIS

518 core samples, ICP and geochem Au @$12.50 (Acme Analytical Laboratories Ltd.)	6,475.00

TOTAL EXPENDITURES: $105,737.00

APPENDIX III

DIAMOND DRILL LOGS: AH90-1 TO 90-6

DRILL SUMMARY
DDH AH90-1

UTM N: 6132215mN
UTM E: 381170mE
GRID N: 87+96N
GRID E: 109+18E

ELEV.: 1195 m
DEPTH:198.1 m
ORIENT.: -45°/269°

Metres (m)

0.0 - 10.4 OVERBURDEN

10.4 - 153.3 LATITE/ANDESITE AUGITE CRYSTAL/LITHIC LAPILLI TUFF
Up to 10% augite crystals, numerous rubbly zones, strong chlorite and weak-moderate epidote, k-spar and FeOx alteration; trace-0.5% PY, trace-0.1% CP (locally to 0.5%), minor and sporadic PO.

10.4-21.5	healed breccia - moderate-strong convoluted and mottled chlorite, epidote, k-spar and FeOx alteration; same sulfide content
11.0-11.1	aplitic syenite dyke
65.8-66.4	augite porphyry andesite
86.3-100.2	weak stockworking with moderate epidote, albite, chlorite and FeOx alteration; 0.5%-2.5% PY, 0%-0.1% CP
108.8-109.2	2 x 3 cm quartz veins; 2% PY, 1% CP
151.0-153.3	weak hornfels

153.3 - 163.7 APLITIC SYENOMONZONITE
Pinkish grey, well fractured and rubbly; 0.2% PY, 0.3% PO.

163.7 - 198.1 LATITE/ANDESITE CRYSTAL/LITHIC LAPILLI TUFF
Same as above, moderate hornfels, chlorite, epidote and FeOx alteration, rubbly and blocky to E.O.H.; 0.4% PY, trace CP (locally), trace PO (locally).

188.3-198.1	very broken and blocky: 1.5% PY, 0.2% CP (0.4% locally)

198.1 E.O.H.

HOLE NO. AH 90-1

DRILLING CO Boisvenu	LOCATION SKETCH	DEPTH	TESTS DIP ANGLE	AZIMUTH	DATE STARTED: 15 Sept./90	PROJECT: 10154
		COLLAR	-45	269	DATE COMPLETED: 19 Sept./90	N.T.S.: 93N/7
		191.4m	-43	—	COLLAR ELEV.: 1195m	LOCATION:
					NORTHING: 6132215mN } UTM	87+96N } grid
					EASTING: 381170mE	109+18E
					AZIMUTH: 269°	
					DEPTH: 198.1 m	DATE LOGGED: 17-19/9/90
HOLE TYPE DDH					CORE SIZE: BQ	LOGGED BY: WP

INTERVAL FROM	INTERVAL TO	ROCK TYPE (composition, colour, texture, grain size)	ALTERATION	MINERALIZATION	Fr/m	STRUCTURE (fractures, faults, folding, bedding, etc.)	REMARKS Mineralization, type, age relations
0	7.0	CASING					
7.0	10.4	OVERBURDEN					
		- boulders of granitic to					
		gabbroic intrusives and altered,					
		brecciated Takla flows/fragmentals.					
10.4	153.3	LATITE AUGITE CRYSTAL/LITHIC	CH/PA/8	PY/D+FF/Tr-.5%	10-30/m	FR/<30/1	- some lapilli have EP reaction rims;
		LAPILLI TUFF + minor flows.	FeOx/FF/5	CP/D+FF/Tr			- K alt^n generally assoc./around EP
		dk mottled green w/ up to 10% aug	EP/PA/4				clots + EP rich segments
		pheno's w/ some areas devoid of	K/FE+PA/2				
		pheno's. → generally fgr	CA+FeOx/FF/2				- 70% of FR have thick muddy
		- numerous rubbly zones and					red/brown FeOx coating
		some small (<20 cm) zone of clay					
		gouge → 1 large section of core down					
		to ~21.5m is well bxd + healed w/					
		FeOx + CA/EP					
	@10.8	MT vnlt in bedrock(?) or boulders (cave in?)	K/PA/8	PY/DB/5% MT/VBS/5% PO/DB/7%			- could be part of cave-in → anomalous 3cm chunk
	11.0-11.1	aplitic syenite dyke (10-15cm wide)	K/P+FE/6 CA/FF/2	PY/D/.2%			- creamy salmon-pink colour

PAGE 1 OF 12

DRILL HOLE NO. AH90-1

HOLE NO. AH 90-1

INTERVAL FROM	TO	ROCK TYPE (composition, colour, texture, grain size)	ALTERATION	MINERALIZATION	Film	STRUCTURE (Fractures, faults, folding, bedding, etc.)	Mineralization, type, age, relations
	10.4-21.5	healed breccia →	EP/PA+FF/7	PY/D+FF/Tr-1%	LOTS	BRX/-/3	sulfides tend to be assoc.
		v. convoluted + mottled alteration	CH/P/8	CP/DB+FF/Tr-.5%		FR/subparallel/3 → slick/45/3	w/ strong FeOx/HEM/FF w/
		-majority of fracture surfaces have	K/FE+PA/5	HEM/FF+DB/Tr-2%		FR/40°/2 → slick/~90°/2	CP preferentially w/ EP.
		slickensides in FeOx	FeOx/FF/6			-HEM also in FF w/	
			CA/FF/4			FeOx	
	20.6-21.0	hybrid zone? mix of qtz aplite? + volc.	CH/PA+FF/7	PY/DB+FF/3%		UCTC/15°/2	
			CA/FF/4	HEM/FF+DB/1%		LCTC indistinct indistinct due to numerous Xcutting fractures	
		-swirls of chloritized Takla in a					
		well fractured/shattered felsic intrusion					
	25.8-26.0	fault zone w/ gauge	CH/P/9			FLT/rubbly/3	-pebbly chloritic Takla in a white
			CA/PA+FF/7				Ca matrix w/ some clay
			FeOx/FF/5				-at top of a 50cm section of rubbly core.
	31.3-36.7	→	CA+FeOx/FF/6	PY/FF+D/Tr-2% (3%)		FR/45°/1	-has appearance of a wk brx
			CH/P/8	CP/D/0-.1% (Tr)		→ some FR at all ∡'s	w/ CA matrix
							-numerous small micro stringers of CA
	38.7-39.4	→	EP/P+FE+FF/7	PY/FF+D/1%			
			K/FE/5	CP/D/.1%			
			CA+FeOx/FF/5				
	@39.0	→	CH/P/5				- CH alt^n decreases + core has
							fresher appearance + is finer grained

HOLE NO. AH-90-1

INTERVAL FROM	INTERVAL TO	ROCK TYPE (composition, colour, texture, grain size)	ALTERATION	MINERALIZATION	Fr/m	STRUCTURE (Fractures, faults, folding, bedding, etc.)	Mineralization, type, age, relations
	@39.9	10 cm solid EP zone @ 90° to C.A. cut + Bx by a CA+FeOx/FR	FeOx+CA/FF/7 EP/P/9 K/FE/3 silic/P/6	PY/FF+D/.5% CP/D/.2%		FR/subparallel/3	-sulfides assoc. w/ EP+K alt^n combined
	40.3-65.0	→		PY/FF+D/1.3% (up to 3.5%) CP/D/.15%			
	45.6-52.5	→	EP/PA+FF+FE/6 K/FE/5 CH/P/5 CA+FeOx/FF/3	PY/FF+D/2% CP/D/.1%		FR*/25°/2	*PY+CP filled FR - cut + are cut by CA+FeOx/FF
	57.3-71.7	→	CA+/-FeOx/FF/5		25-50/m		-blocky core w/ numerous small rubbly sections to ~67.5m -sulfides decrease in more bkn + CA rich zones
	65.8-66.4	pyroxenite incl(?) → up to 25% euhedral px crystals (2mm-1cm) - poss. augite porph.	CH/P/7				- contacts indistinct but seem to be within 30° of C.A.
	@ 67.0	→		MT/DB/.3% w/ CP/.1%			- hydrothermal MT

DRILL HOLE NO. AH90-1

HOLE NO. AH 90-1

INTERVAL FROM	TO	ROCK TYPE (composition, colour, texture, grain size)	ALTERATION	MINERALIZATION	From	STRUCTURE (Fractures, faults, folding, bedding, etc.)	Mineralization, type, age, relations
	67.5-81.0	→		PY/FF+D/<1%			-sulfides decrease
				CP/D/0-.1%			
	@68.5	→		PO/FF/.1%			
	75.3-79.6	→	EP/PA+FE+FF/6	PY/FF+D/<1%			
			K/FE/4	CP/D/.1%-0			
			CH/P/4	PO/FF/.1%			
			FeOx/FF/4	MT/FF+DB/.2%			
	@81.2	→		PO/FF/3%			-in a thin Q+CA+EP vnlt subparallel/
				PY/FF/1%			to C.A. → core just shaved it.
				CP/FF/1%			
				MT/FF/1%			
	81.9-86.3	→	CA+FeOx/FF/5	PY/FF+D/1.4%	10-50/m		-V. irregular CA filled FR
			EP/FF+FE/4	CP/D/.1%			-CA seems to fill in tension gashes +
							create mini brx
	86.3-100.2	weak stockwork →	EP+AB?+CH/FE/6	PY/FF+D/.5%-2.5%	25-50/m	FR/20-45°/1	-weakly mineralized in upper ½ but
				CP/D/.1%-0			lower ½ contains more PY but no
							substantial CP →FE's only 2-10mm wide
	91.2-94.3	→	EP/PA+FF/6	PY/FF+D/1.5%			-more altered appearance w/ some 10-30
			K+AB/FE/5	CP/D/.1%			cm sections appearing wkly BRX w/ CA+
			CA+FeOx/FF/4				FeOx matrix → sulfides assoc. w/ EP alt^n

DRILL HOLE NO. AH90-1

INTERVAL FROM	INTERVAL TO	ROCK TYPE (composition, colour, texture, grain size)	ALTERATION	MINERALIZATION	Fr/m	STRUCTURE (Fractures, faults, folding, bedding, etc.)	Mineralization, type, age, relations
	95.6-96.5	same as above 91.2-94.3m					
	100.2-107.2	traces of v. wk. stockwork same as above 86.3-100.2	- much less FR + thinner FE's + less alt^n				
	108.3-108.7	fault zone w/ clay gouge	CH/FLT/8 CA/FLT/4 CL/FLT/7 FeOx/FF/5			VN/25°/2	-a 40cm wide zone of limey clay w/ small pebbles of solid CH altered rock -upper CTC contains 2×2cm wide Qtz+CA vns w/ inclusions of wall rock
	108.8-109.2	2 Qtz veins ~ 3 cm wide		PY/FF/2% CP/FF/1%		VN/20°/3	
	110.8-120.7	→	EP ± Qtz/PA+FF/6 CA+FeOx/FF/4 K/FE/3	PY/FF+D/.6% CP/D/.1%			- qtz appears as truncated vnlts in the EP rich zones → only a few sections have qtz
	121.3-133.3	→	CA/FF/3	PY/FF+D/.4% CP/D/Tr	25-30/m	FR/30°-70°/1	-thin stringers of CA
	125.8-126.5	rubbly zone					-does not look like a fault
	127.2-153.3	v. broken + blocky core					

HOLE NO. AH90-1

INTERVAL FROM	TO	ROCK TYPE (composition, colour, texture, grain size)	ALTERATION	MINERALIZATION	Fr/m	STRUCTURE (Fractures, faults, folding, bedding, etc.)	Mineralization, type, age, relations
	129.6-130.0	SHR zone	CH/P/7	PY/FE+D/1.8%		SHR/30°/2	-v. soft w/ a convoluted mixture of
			CA/FF/6				CA+CH+K +wallrock
			K/FE/3				
	136.6-136.7	fault zone w/ gouge	CH+CA+FeOx/FLT/7			FLT/60°/2	
	139.2-140.4	→	EP/PA+FE+FF/6	PY/FF+D/.5%			
			CA+FeOx/FF/5				
	@140.0	10 cm of microbx due to numerous EP	filled FR.				
	149.9-150.2	Mineralized CA+EP vein	EP/PA+FF/6	PY/FF+D/2%		FR/55°/2	-majority of sulfides in 3cm "vn" in center
			CA/FF/4	PO/FF+D/3%			
			EP+K+AB/FE/4	CP/D/Tr			-qtz possibly also present.
	151.0-153.3	→	HF/P/2	PY/FF+D/.7%			-possible v. weak HF from intrusive
153.3	163.7	APLITIC SYENITE	CA/FF/2 (locally 6)	PY/D+FF/.2%		UCTC/50°/3	CTC is sharp but irregular
		-aphanitic, pinkish grey, v. hard	CH/PA/2	PO/DIFF/.3%		LCTC rubble	
		-well fractured → mostly rubbly +					
		blocky w/ one section 40cm of good core					
	161.8-162.2	Fault zone w/ limey clay gouge	CA/FF/7			FLT/rubble/2	wk BRX w/ CA matrix

DRILL HOLE NO. AH90-1

HOLE NO. AH90-1

INTERVAL FROM	TO	ROCK TYPE (composition, colour, texture, grain size)	ALTERATION	MINERALIZATION	Fr/m	STRUCTURE (Fractures, faults, folding, bedding, etc.)	Mineralization, type, age, relations
163.7	198.1	LATITE CRYSTAL/LITHIC LAPILLI	CH/P/5	PY/FF+D/.4%	10/m		
		TUFF	FeOx/FF/4	CP/D/Tr (locally)			
		<10% augite xtals in some sections	EP/PA+FF+FE/4	PO/D+FF/Tr (locally)			
		same as above 10.4-153.3, HF adjacent	CA/FF/3	MT/D+FF/.1% (locally)			
		to CTC, blocky + rubbly to EOH	HF/PA/5				
	164.2-168.2	→	SILIC/P/7				- v. hard.
	166.8-167.3	fault zone w/ clay gouge	CH+CC/P/9			FLT/rubble/2	
			CA/P/1				
	@171.1	1cm PY/MT vn		PY/FF/4%		VN/30°/3	
				MT/FF/10%			
	174.7-175.2	fault zone w/ minor 10cm gouge	CH/P/7			FLT/rubble/1	
	180.7-184.4	→	SILIC/P/6				- BT HF is weakening
			HF/PA/3				
	183.5-183.9	wk BRX (crumble BRX)	EP/PA/5			BRX/50°/2	- BRX due to numerous small FR
			CA+FeOx/FF/6				
			CH/P/7				
	@187.6	v. wk BRX	CA+FeOx/FF/7			BRX/80°/1	
			EP/PA/4				
			CH/P/7				

DRILL HOLE NO. AH90-1

HOLE NO. AH90-1

INTERVAL		ROCK TYPE (composition, colour, texture, grain size)	ALTERATION	MINERALIZATION	F/m	STRUCTURE	
FROM	TO					(Fractures, faults, folding, bedding, etc.)	Mineralization, type, age, relations
	180.3 - 198.1	v. broken, blocky + rubbly w/ occasional		PY/FF+D/1.5%			
		small zone of fault gouge.		CP/D/.2% - .4% → at bottom of hole.			
	195.5-198.1	→	SILIC/P/6				-free qtz + HF in core w/ sulfide
			HF/PA/3				indicate a poss. intr. nearby.
198.1		E.O.H.					

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DRILL HOLE NO. AH90-1

AH-90-01.

DRILL LOG — sample data

SAMPLE					CORE RECOVERY		VISUAL ESTIMATES (% ORE MINERALS)	ASSAY RESULTS						
NUMBER	FROM	TO	TOTAL METRES	M.S.	%	AMT. LOST								
81001	10.4	12.0m	1.6m		81	0.3m								
002	12.0	14.0	2.0		85	0.3								
003	14.0	16.0	2.0		95	0.1								
004	16.0	18.0	2.0		95	0.1								
005	18.0	20.0	2.0		95	0.1								
006	20.0	22.0	2.0		85	0.3								
007	22.0	24.0	2.0		90	0.2								
008	24.0	26.0	2.0		95	0.1								
009	26.0	28.0	2.0		85	0.3								
010	28.0	30.0	2.0		95	0.1								
011	30.0	32.0	2.0		90	0.2								
012	32.0	34.0	2.0		90	0.2								
013	34.0	36.0	2.0		70	0.6								
014	36.0	38.0	2.0		90	0.2								
015	38.0	40.0	2.0		100	0.0								
016	40.0	42.0	2.0		95	0.1								
017	42.0	44.0	2.0		80	0.4								
018	44.0	46.0	2.0		90	0.2								
019	46.0	48.0	2.0		95	0.1								
020	48.0	50.0	2.0		85	0.3								
021	50.0	52.0	2.0		90	0.2								
022	52.0	54.0	2.0		95	0.1								
023	54.0	56.0	2.0		85	0.3								
024	56.0	58.0	2.0		85	0.3								
025	58.0	60.0	2.0		40	1.2								
026	60.0	62.0	2.0		85	0.3								

DRILL HOLE NO. AH-90-01

DRILL LOG sample data

SAMPLE NUMBER	FROM	TO	TOTAL METRES	M.S.	CORE RECOVERY %	AMT. LOST	VISUAL ESTIMATES (% ORE MINERALS)	ASSAY RESULTS						
81027	62.0m	64.0m	2.0m		85	0.3								
028	64.0	66.0	2.0m		95	0.1								
029	66.0	68.0	2.0		90	0.2								
030	68.0	70.0	2.0		90	0.1								
031	70.0	72.0	2.0		90	0.1								
032	72.0	74.0	2.0		85	0.3								
033	74.0	76.0	2.0		95	0.1								
034	76.0	78.0	2.0		95	0.1								
035	78.0	80.0	2.0		90	0.2								
036	80.0	82.0	2.0		100	0.0								
037	82.0	84.0	2.0		95	0.1								
038	84.0	86.0	2.0		90	0.2								
039	86.0	88.0	2.0		95	0.1								
040	88.0	90.0	2.0		95	0.1								
041	90.0	92.0	2.0		85	0.3								
042	92.0	94.0	2.0		90	0.2								
043	94.0	96.0	2.0		95	0.1								
044	96.0	98.0	2.0		85	0.3								
045	98.0	100.0	2.0		95	0.1								
046	100.0	102.0	2.0		95	0.1								
047	102.0	104.0	2.0		100	0.0								
048	104.0	106.0	2.0		95	0.1								
049	106.0	108.0	2.0		90	0.2								
050	108.0	110.0	2.0		85	0.3								
051	110.0	112.0	2.0		95	0.1								
052	112.0	114.0	2.0		85	0.3								

DRILL HOLE NO. AH-80-01

DRILL LOG sample data

SAMPLE					CORE RECOVERY		VISUAL ESTIMATES (% ORE MINERALS)	ASSAY RESULTS						
NUMBER	FROM	TO	TOTAL METRES	M.S.	%	AMT. LOST								
053	114	118	4m		90	0.[illegible]								
054	118	120	2m		90	0.2								
055	120	122	↓		95	0.1								
056	122	124			90	0.2								
057	124	126			80	0.4								
058	126	128			85	0.3								
059	128	120			85	0.3								
060	130	132			85	0.3								
061	132	134			95	0.1								
062	134	136			70	0.6								
063	136	138			80	0.4								
064	138	140			90	0.2								
065	140	142			85	0.3								
066	142	144			90	0.2								
067	144	146			95	0.1								
068	146	148.			70	0.6								
069	148	150			95	0.1								
070	150	152			91	0.18								
071	152	154			90	0.2								
072	154	156			53	0.94								
073	156	158			90	0.2								
074	158	160			75	0.5								
075	160	162			63	0.74								
076	162	164			70	0.6								
81 077	164	166			78	0.44								

DRILL HOLE NO. AH-90-01

DRILL LOG sample data

SAMPLE NUMBER	FROM	TO	TOTAL METRES	M.S.	CORE RECOVERY %	AMT LOST	VISUAL ESTIMATES (% ORE MINERALS)	ASSAY RESULTS
81078	166	168	2 m		84	.32		
079	168	170	↓		95	.1		
080	170	172			98	.04		
081	172	174			80	.40		
082	174	176			75	.50		
083	176	178			98	.04		
084	178	180			95	.1		
085	180	182			95	.1		
086	182	184			88	.24		
087	184	186			95	.1		
088	186	188			90	.2		
089	188	190			85	.3		
090	190	192			80	.4		
091	192	194			85	.3		
092	194	196			95	.1		
011 81093	196	198.1	2.1m.		85	.3		

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DRILL HOLE NO. AH-90-01

DRILL SUMMARY
DDH AH90-2

UTM N: 6132213mN
UTM E: 381172mE
GRID N: 87+94N
GRID E: 109+20E

ELEV.: 1195 m
DEPTH: 164.0 m
ORIENT.: -46°/150°

Metres (m)

0.0 - 3.6 OVERBURDEN

3.6 - 84.4 MIXED ANDESITE TUFFS
Fine grained, medium green, 1-15% augite phenocrysts, strong FeOx, moderate epidote and chlorite alteration, occasional brecciated zone; 0.2%-2% PY, 0-0.1% CP, trace PO.

- 4.7-5.4 brecciated: possible albite alteration; 2% PY
- 11.2-12.6 brecciated: 0.2% PY
- 18.8-28.0 brecciated: 0.3% PY, trace CP, 0.1% magnetite
- 56.2-56.5 poss. shear zone: strong k-spar, quartz, epidote and carbonate alteration; 1% PY, 0.4% magnetite
- 72.5-84.4 weak stockwork: similar to AH90-1; 0.5% PY, trace CP
- 82.3-84.4 brecciated contact zone

84.4 - 86.5 APLITIC SYENITE
Aphanitic, salmon-pink, well fractured, propylitic alteration; 0.2% PY, trace MoS_2.

86.5 - 164.0 MIXED ANDESITE TUFFS
As above.

- 86.5-93.2 brecciated contact zone
- 95.6-97.0 micromonzonite (anealed tuff?)
- 106.1-106.6 fault with clay gouge
- 108.6-109.4 fault with clay gouge
- 116.1-116.7 quartz vein (subparallel to C/A); 1.2% PY, 0.2% CP
- 123.2-130.1 brecciated: strong chlorite, carbonate, FeOx and moderate k-spar and epidote alteration; 1% PY, 0.15% CP
- 155.1-164.0 weak stockwork (as above); 0.6% PY, 0.5% PO, trace CP
- 161.5-164.0 weak hornfels

164.0 E.O.H.

BP

HOLE NO. AH90-2

DRILLING CO	Boisvenu	LOCATION SKETCH	DEPTH	DIP ANGLE (TESTS)	AZIMUTH				
		· N ·	COLLAR	-46	150°	DATE STARTED:	13/9/90	PROJECT:	10154
			121.3	-41	—	DATE COMPLETED:	19/9/90	N.T.S.:	93N/7
						COLLAR ELEV.:	1195 m	LOCATION:	
						NORTHING:	6132213 m N } UTM		87+94 N } grid
						EASTING:	381172 m E }		109+20E }
						AZIMUTH:	150°		
						DEPTH:	164.0 m	DATE LOGGED:	20-22/9/90
HOLE TYPE	DDH					CORE SIZE:	BQ	LOGGED BY:	WP

INTERVAL FROM	TO	ROCK TYPE (composition, colour, texture, grain size)	ALTERATION	MINERALIZATION	Fr/m	STRUCTURE (fractures, faults, folding, bedding, etc.)	REMARKS (Mineralization, type, age relations)
0	3.6	OVERBURDEN					
0	5.5	CASING					
3.6	84.4	LATITE TAKLA TUFFS (MIXED)	CH/P/6		30-100/m	FR/all angles/3	
		-numerous thin fragmental/tuffaceous	FeOx/FF/7				
		units with the occasional brecciated	CA/FF/3				
		zone w/ strong FeOx	EP/PA+FE/3				
		-blocky + rubbly core w/ occasional					
		small zone of clay-rich gouge					
	3.6-4.7	LATITE AUGITE πr LAPILLI FRAG. TUFF	EP/FF+PA/5	PY/FF+D/.2%			
		-med. green, fgr, 2-15% (2-5mm)	CA/FF/3	CP/D/Tr			
		augite pheno's. → occasional lapilli-	BT/PA/3				
		sized frag. of aug. πr	CH/P/7				
			FeOx/FF/5				
	4.7-5.4	BRX LATITE LAPILLI FRAGMENTAL	EP/PA+FF/6	PY/FF+D/2%		BRX/-/2	
		-similar rock type to above but more	CH/P/6				AB? = clear/greyish/white, hard (Qtz?)
		altered (propylitic) → aug πr + lithic lapilli	FeOx/FF/5				
			CA/FF/4				
			AB?/P/5				

DRILL HOLE NO. AH 90-2

HOLE NO. AH 90-2

INTERVAL FROM	TO	ROCK TYPE (composition, colour, texture, grain size)	ALTERATION	MINERALIZATION	Film	STRUCTURE (Fractures, faults, folding, bedding, etc.)	Mineralization, type, age, relations
	5.4-6.7	LATITE AUGITE CRYSTAL TUFF	FeOx/FF/3	PY/FF/.3%			at LCTC PY/4% CP/.1% in EP rich
		-f→mgr, med. green, 1-7% (2-5mm)	EP/PA/1				zone about an EP vn subparallel to C.A
		augite pheno's → rel. fresh appearance	CH/P/5				
	6.7-7.1	LATITE FS+AUG. CRYSTAL TUFF	EP/FE/2	PY/D/.2%		UCTC/35°/3	-some fs are pinkish-red (FeOx stain or kspar)
		similar to above 5.4-6.7m but w/ 5-10%	FeOx/FF/3			LCTC/60°/2	
		fs (zoned) xtals (plag?) 1-4mm.	CH/P/5				
	7.1-7.3	LATITE AUGITE CRYSTAL/LITHIC TUFF		PY/D/.1%			
		-similar to 5.4-6.7m but w/ occasional					
		lithic fragment					
	7.3-7.8	LATITE FS+AUGITE CRYSTAL TUFF					
		-same as above @ 6.7-7.1m.					
	7.8-11.2	LATITE AUG. π LAPILLI FRAG. TUFF	EP/FE+PA/3	PY/FF/.4%			
		-Mod. BRX in some areas	CH/P/7				
		-v. similar to above 3.6-4.7m	FeOx/FF/3				
		-lapilli of aug. π + lithic lapilli					
	11.2-12.6	BRX LATITE AUG. π LAPILLI FRAG.	EP/PA+FE+FF/6	PY/D+FF/.2%		FR/60°/2	
			FeOx/FF/5			BRX/-/2	
			K/FE/4				
			CA/FF/4				
			CH/P/8				

DRILL HOLE NO. AH 90-2

HOLE NO. AH90-2

INTERVAL FROM	TO	ROCK TYPE (composition, colour, texture, grain size)	ALTERATION	MINERALIZATION	Fr/m	STRUCTURE (Fractures, faults, folding, bedding, etc.)	Mineralization, type, age, relations
	12.6-16.2	LATITE CRYSTAL TUFF	EP/PA/1	PY/D+FF/.2%			
		fgr. similar to 5.4-6.7m but no aug.	CH/P/5				
		crystals → v. rubbly + blocky	FeOx+CA/FF/3				
	14.6-15.6	→	CL/FF/3				-rubble w/ abundant CL FR coatings
	16.2-18.8	LATITE AUG. ± LAPILLI FRAG. TUFF	CH/P/7	PY/FF/.2%			
		same as 7.8-11.2 m → v. rbly BRXX	CA/FF/3				
			EP/PA/2				
	18.8-28.0	BRX LATITE AUG. ± LAPILLI FRAG	EP/PA+FE+FF/6	PY/FF+D/.3%		BRX/-/2	
		-same as above @ 11.2-12.6	CH/P/8	CP/D/Tr			
			K/FE/4	MT/D+FF/.1%			
			CA+FeOx/FF/4				
	28.0-37.6	LATITE AUG. CRYSTAL LAPILLI FRAG	CH/P/7	PY/FF+D/.3% →	locally	2%	
		-same as 16.2-18.8m	CA+FeOx/FF/5				
		-v. rbly brxx w/ some zones of fgr	EP/PA+FF/5				
		xtal tuff w/ no aug. pheno's. or brxx	K/FE/4				
	32.1-32.4	rubble zone of qtz/AB w/ some incl.	Qt+AB/P/9	PY/D/.4%		rubble	-poss. dyke
		of TAKLA					
	**	NB. ** ALL ROCKS NOW					
		BEING CLASSED AS UNDIFF. TAKLA					
		TUFFS w/ only alt^n + structure					
		being differentiated → same unit from 3.6 m.					

DRILL HOLE NO. AH90-2

HOLE NO. AH90-2

INTERVAL FROM	INTERVAL TO	ROCK TYPE (composition, colour, texture, grain size)	ALTERATION	MINERALIZATION	Film	STRUCTURE (Fractures, faults, folding, bedding, etc.)	Mineralization, type, age, relations
	37.5-37.6	→	Qtz/FF/5	PY/FF+D/.4%			
			EP/PA/5	PO/D+FF/.1%			
			CH/P/6				
	42.2-43.0	→	EP/PA+FE+FF/5	PY/FF+D/1%		FR/10°/3	- one K/FR w/ sulfide + other FeOx
			K/FF/4	MT/FF+D/.3%			
			FeOx+CA/FF/3	CP/D/Tr.			
			CH/P/5				
			BL/P/2				
	45.2-52.9	altered core w/ patches of minor brx	EP/PA+FF/5	PY/FF+D/1%		BRX/-/1	BRX matrix includes all alt^n minerals
			CH/P/6	CP/FF/.1% → towards bottom of interval in large sparse clots			→ EP + K also in frags.
			K/FE+PA+FF/5	PO/FF+D/Tr			- locally Qtz in BRX matrix
			Qtz/FF/2				
	50.8-52.7	rubbly + blocky					
	56.2-90.5	shear zone w/ alt^n	K+Qtz+EP/FF+FE/8	PY/FF+D/1%		SHR/50°/2	- no fabric but all FR + veinlets at same ∡.
			CA/P/7	MT/FF/.4%			
			FeOx/FF/5				
	@ 57.1	good lapilli fragmental (avg. ?) texture		PY/FF+D/.3%			
				PO/FF+D/1%			

DRILL HOLE NO. AH90-2

HOLE NO. AH90-2

INTERVAL FROM	TO	ROCK TYPE (composition, colour, texture, grain size)	ALTERATION	MINERALIZATION	Fr/m	STRUCTURE (Fractures, faults, folding, bedding, etc.)	Mineralization, type, age, relations
	61.0-66.2	→	EP/FE+FF/5	PY/FF+D/1.2%			-most sulfide FF are @0-30° to C.A.
			K/FE+FF/3	PO/FF+D/.7%			
			AB(BL?)/FE/3	CP/D/Tr			
			FeOx/FF/2				
	68.5-72.1	blocky due to fracture	FeOx/FF/5			FR/10-60°/2	
	72.5-84.4	wk stockwork (similar to AH90-1)	CH/P/5	PY/FF+D/.5%	~50/m	FR/5°-60°/2	FE's up to 1cm.
			EP/PA/3	CP/D/Tr			
			EP+AB/FE/4				
			CA+FeOx/FF/2				
	76.6-79.8	→	EP/FF/6		~100/m		-sulfide content seems to drop
			K/FE/5				
	82.3-84.4	v. altered dk BRX zone	CH/P/8	PY/D+FF/.3%		BRX/-/2	-FeOx/CL FF are up to 1cm thick
		-rubbly + blocky	CA+FeOx+FF/6	PO/FF/.1%			w/ occasional 10 cm of Tabla pebbles
			CL/MATRIX/4				in an FeOx/CL matrix
			K/FE/4				-more CH+CL near CTC.
			CA/P/3				
84.4	86.5	APLITIC SYENITE	EP+CL/FF/5	PY/D/.2%		UCTC/90°/3	
		-aphanitic, salmon-pink (mod. dk)	CA/FF/2	MoS_2/D/Tr		LCTC/70°/3	
		-well fractured + rubbly					
		-propylitically altered					

DRILL HOLE NO. AH90-2

HOLE NO. AH 90-2

INTERVAL FROM	TO	ROCK TYPE (composition, colour, texture, grain size)	ALTERATION	MINERALIZATION	Fr/m	STRUCTURE (Fractures, faults, folding, bedding, etc.)	Mineralization, type, age, relations
86.5	164.0	MIXED TAKLA VOLCANICS	CH/P/6	PY/FF+D/.6%	locally greater %		
		-same as 3.6-84.4m → tuffaceous	FeOx+CA/FF/4	CP/FF+D/.1%			
			EP/PA+FF/3	MT/FF+D/.2%			
			K/FE+FF/2				
	86.5-93.2	altered clc brx zone				SLICK/90°/on FR @ 75° to C.A.	- rubbly + blocky
		-same as above @ 82.3-84.4m.					
	95.6-97.0	micro dioritic looking w/ needles (25-35%) of mafics (hb?) + the other	CH/P/3	PY/D/.1%			
		65-75% white fs (plag?) - no clcs →	FeOx/FF/3				- poss. white kspar + BT after px. (stain)
		annealed flow/xtal tuff from center of unit? - v. weakly porphyritic					
		-poss. a felsic tuff, rel. hard					
	96.0-97.0	rubbly					
	98.3-98.6	→	EP+AB/PA+FE/4				
			CA+FeOx/FF/3				
			slightly bleached.				
	101.1-101.5	BRX zone	FeOx+CA/FF/6	PY/FF/.2%		BRX/-/2	
			CH/P/8				
@	104.7	good lithic lapilli crystal tuff					

DRILL HOLE NO. AH90-2

HOLE NO. AH90-2

INTERVAL FROM	TO	ROCK TYPE (composition, colour, texture, grain size)	ALTERATION	MINERALIZATION	Film	STRUCTURE (Fractures, faults, folding, bedding, etc)	Mineralization, type, age, relations
	105.2-105.6	wk BRX w/ irregular patchy alt^n	EP/PA/5 K/FE/3 FeOx+CA/FF/2			Bx/-/1	
	106.1-106.6	FLT zone w/ clay gouge → wk BRX + pebbly	CH+CL/P/9 CA+FeOx/FF/6	NONE		FLT/-/2	- no distinct gouge zone → just pervasive clay w/ pebbles.
	108.6-109.4	FLT zone (same as above)	CH+CL/P/8 CA+FeOx/FF/6 EP/PA+FE/3	PY/D/Tr		FLT/-/2	- clay gouge 109.0-109.1 m.
	@ 110.0	calcite + brown carb. vn.		NONE		VN/45°/3	- brown carb = siderite? (Fe carbonate)
	113.7-115.2	→	CH/P/8 EP+AB?/PA/2 FeOx+CA/FF/3	PY/FF+D/.2% MT/D/Tr.			
	115.6-116.0	rubble zone	CH/P/6 EP/FF+FE/4	PY/FF/.3%		FLT/-/1	- occasional pebble of qtz present
	116.1-116.7	qtz vn (2 cm)	FeOx+CA/FF/4 CH/P/5	PY/FF+D/1.2% CP/D/.2% MT/FF+D/.3%		VN/15°/3	- white/clear + a BT/Qtz mix

DRILL HOLE NO. AH 90-2

HOLE NO. AH 90-2

INTERVAL FROM	TO	ROCK TYPE (composition, colour, texture, grain size)	ALTERATION	MINERALIZATION	F/m	STRUCTURE (Fractures, faults, folding, bedding, etc.)	Mineralization, type, age, relations
	116.7-118.2	rubble + clay	CH/P/8	PY/FF+D/.7%			- little recovery in clay zone.
			FeOx+CA/FF/3	CP/D/.15%			
			EP/PA/3	MT/D/.2%			
	119.0-123.2	→	CH/P/7	PY/FF+D/.5%			- occasional qtz vn + CA @ 35° to C.A.
			EP/PA+FE/4	CP/D/Tr			
			CA+FeOx/FE/5	MT/D/.1%			
	@122.3	good augite TT flow (?)	CH/P/7				
		- large euhedral pyroxenes					
	123.2-130.1	wk - str. BRX w/ alt^n	CH/P/8	PY/FF+D/1%		BRX/-/1	- pebbly appearance w/ FeOx + CA
			EP/PA+FF/4	CP/D/.15%		SLICK/30°/2 on FR @ 20° to C.A.	matrix
			CA+FeOx/FF/6	MT/FF+D/.2%		SLICK/90°/2 on FR @ 65° to C.A.	- occasional qtz + CA vn as above
			K/FE/4				
	126.9-127.3	str. BRX + clay rubble				BRX/-/3	
	132.2-155.1	relatively unaltered except for short	CH/P/4	PY/FF+D/.5%	20-40/m		- locally sulfides greater except
		segments of EP + some FE's.	CA+FeOx/FF/1	CP/D/.1%			for CP (generally)
			EP/PA+FF+FE/4-9	PO/D+FF/.4%			
			AB/FE/2	MT/D+FF/.1%			
			K/FF/2				
	140.4-141.5	→	EP/PA+FE/9	PY/FF/.1%			
			K+CA/FF/2	PO/FF/Tr			

DRILL HOLE NO. AH 90-2

INTERVAL FROM	TO	ROCK TYPE (composition, colour, texture, grain size)	ALTERATION	MINERALIZATION	F/m	STRUCTURE (Fractures, faults, folding, bedding, etc.)	Mineralization, type, age, relations
	145.2-145.9	similar to EP rich zone @	EP/PA+FE/8	PY/FF+D/.8%			
		140.4-141.5m.	Qtz/FF/2	PO/FF+D/Tr			
			CA/FF/1	MT/D/.2%			
			CH/P/3				
	155.1-164.0	-more altered section → similar	CH/P/5	PY/FF+D/.6%	50-75/m	FR/10°-80°/2	-avg. ∥ flow (poss. frag.)
		to 132.2-155.1m but more altered	EP/PA+FF+FE/6	PO/FF+D/.5%			
		→similar to wk stockwork in AH90-1	CA+FeOx/FF/3	CP/D/Tr			
			K/FE+FF/2	MT/D/.2%			
			AB/FE/2				
	161.5-164.0	→	HF/PA/1				-v. wk. patchy HF added to above alt^n
164.0		E.O.H.					
	*	NB * This hole seems to be	cross-cutting stratigraphy	relative	to AH90-1		

DRILL LOG sample data

SAMPLE NUMBER	FROM	TO	TOTAL METRES	M.S.	CORE RECOVERY %	AMT. LOST	VISUAL ESTIMATES (% ORE MINERALS)	ASSAY RESULTS						
81094	3.6	6.0	2.4m		95	.1								
095	6.0	8.0	2.0		95	.1								
096	8	10	↓		90	.2								
097	10	12			90	.2								
098	12	14			85	.3								
099	14	16			80	.4								
81100	16	18			80	.4								
101	18	20			95	.1								
102	20	22			90	.2								
103	22	24			90	.2								
104	24	26			90	.2								
105	26	28			90	.2								
106	28	30			90	.2								
107	30	32			90	.2								
108	32	34			90	.2								
109	34	36			90	.2								
81110	36	38			95	.1								
111	38	40			95	.1								
112	40	42			100	0								
113	42	44			100	0								
114	44	46			90	.2								
115	46	48			100	0								
116	48	50			95	.1								
117	50	52			85	.3								
118	52	54			95	.1								
81119	54	56			100	0								

DRILL HOLE NO. ____________

DRILL LOG — sample data

SAMPLE					CORE RECOVERY		VISUAL ESTIMATES (% ORE MINERALS)	ASSAY RESULTS						
NUMBER	FROM	TO	TOTAL METRES	M.S.	%	AMT. LOST								
SL120	56.0	58.0	2.0m		95	.1								
121	58.0	60.0			100	0								
122	60.0	62.0			100	0								
123	62.0	64.0			95	.1								
124	64.0	66.0			100	0								
125	66.0	68.0			100	0								
126	68.0	70.0			95	.1								
127	70.0	72.0			100	0								
128	72.0	74.0			100	0								
129	74.0	76.0			100	0								
130	76.0	78.0			100	0								
131	78.0	80.0			100	0								
132	80.0	82.0			95	.1								
133	82.0	84.0			90	.2								
134	84.0	86.0			80	.4								
135	86.0	88.0			85	.3								
136	88.0	90.0			100	0								
137	90.0	92.0			90	.2								
138	92.0	94.0			100	0								
139	94.0	96.0			95	.1								
140	96.0	98.0			90	.2								
141	98.0	100.0			100	0								
142	100.0	102.0			100	0								
143	102.0	104.0			90	.2								
144	104.0	106.0			100	0								
SL 145	106.0	108.0			95	.1								

DRILL HOLE NO. AH 90-2

DRILL LOG sample data

SAMPLE NUMBER	FROM	TO	TOTAL METRES	M.S.	CORE RECOVERY %	AMT. LOST	VISUAL ESTIMATES (% ORE MINERALS)	ASSAY RESULTS						
81146	108.0	110.0	2.0m		100	0								
147	110.0	112.0	↓		100	0								
148	112.0	114.0			100	0								
149	114.0	116.0			100	0								
150	116.0	118.0			80	.4								
151	118.0	120.0			100	0								
152	120.0	122.0			100	0								
153	122.0	124.0			90	.2								
154	124.0	126.0			100	0								
155	126.0	128.0			100	0								
156	128.0	130.0			95	.1								
157	130.0	132.0			100	0								
158	132.0	134.0			100	0								
159	134.0	136.0			95	.1								
160	136.0	138.0			100	0								
161	138.0	140.0			100	0								
162	140.0	142.0			100	0								
163	142.0	144.0			100	0								
164	144.0	146.0			95	.1								
165	146.0	148.0			100	0								
166	148.0	150.0			100	0								
167	150.0	152.0			100	0								
168	152.0	154.0			95	.1								
169	154.0	156.0			100	0								
170	156.0	158.0			95	.1								
81171	158.0	160.0			100	0								

DRILL HOLE NO. AH90-2

DRILL LOG sample data

SAMPLE					CORE RECOVERY		VISUAL ESTIMATES (% ORE MINERALS)	ASSAY RESULTS						
NUMBER	FROM	TO	TOTAL METRES	MS.	%	AMT. LOST								
81172	160.0	162.0	2.0		100	0								
81173	162.0	164.0	2.0		95	.1								

DRILL HOLE NO. AH 96-2

DRILL SUMMARY
DDH AH90-3

UTM N: 6132545mN
UTM E: 381000mE
GRID N: 90+99N
GRID E: 107+46E

ELEV.: 1250 m
DEPTH: 202.7 m
ORIENT.: -45°/256°

Metres (m)

0.0 - 3.1 OVERBURDEN

3.1 - 20.6 MONZONITE CROWDED PORPHYRY
Medium grained, medium grey, blocky and rubbly, sections of syenite to syenomonzonite, weak sericite, chlorite and k-spar alteration, occasional quartz vein with coarse clotty CP; 2-5% PY, trace CP.

- @ 11.6 quartz vein: 2% PY, 5% CP
- 12.3-14.0 fault zone: 3-6% PY
- @ 14.9 pegmatitic quartz/k-spar/chlorite vein: 3% PY
- @ 15.5 1.5% CP over 10 cm

20.6 - 23.8 AUGITE PORPHYRY LATITE/ANDESITE
Light creamy green, fine grained, moderate k-spar, sericite, chlorite and carbonate alteration; 2% PY

23.8 - 40.7 HYBRID ZONE
K-spar altered augite porphyry latite and aplitic syenite, moderate chlorite, sericite and carbonate and strong k-spar alteration, occasional purplish mineral in fractures with calcite (fluorite?); 0.2-7% PY (avg. = 2%), 1% PO (locally).

40.7 - 43.5 SHEAR ZONE
Strong chlorite and carbonate alteration; 20% PY, 0.1% MoS_2 (locally 0.5%), 0.1% CP (locally 0.4%)

43.5 - 95.5 MIXED MONZONITE AND SYENITE CROWDED PORPHYRY
Similar to above, moderate k-spar and weak sericite and chlorite alteration; 3% PY, trace CP, trace MoS_2 (locally).

95.5 - 137.7 HYBRID ZONE
Irregular mix of above syenomonzonite, Takla (aphanitic and black) and aplitic syenite, moderate k-spar and moderate-strong chlorite and carbonate alteration; 0.2-3% PY.

- 124.5-128.4 shear zone: strong chlorite, carbonate and clay alteration, no visible sulfides
- 128.4-131.2 brecciated

137.7 - 202.7 AUGITE PORPHYRY LATITE/ANDESITE TUFFS
Minor brecciation and hybridization; 0.1-8% PY, 0.1% CP (locally).

- 181.0-181.8 shear zone: 8-10% PY, trace CP(?)

202.7 E.O.H.

BP

HOLE NO. AH90-3

DRILLING CO	LOCATION SKETCH	DEPTH	TESTS DIP ANGLE	AZIMUTH			
Boisvenu	N	COLLAR	-45	256°	DATE STARTED: 19/09/90	PROJECT: 10154	
		191.4 m	-44°	—	DATE COMPLETED: 21/09/90	N.T.S.: 93 N/7	
					COLLAR ELEV.: 1250 m.	LOCATION:	
					NORTHING: 6132545 m N } UTM	90+99 N } GRID.	
					EASTING: 381000 m E }	107+46 E }	
					AZIMUTH: 256°		
					DEPTH: 202.7 m.	DATE LOGGED: 22-24/9/90	
HOLE TYPE DDH					CORE SIZE: BQ	LOGGED BY: WP.	

INTERVAL FROM	INTERVAL TO	ROCK TYPE (composition, colour, texture, grain size)	ALTERATION	MINERALIZATION	Fr/m	STRUCTURE (fractures, faults, folding, bedding, etc.)	REMARKS Mineralization, type, age relations
0	3.1	OVERBURDEN					
0	3.7	CASING					
3.1	20.6	CROWDED PORPHYRY MONZONITE	SER/P/1	PY/D/2-5%	50-75/m		-occasional qtz vn w/ coarse dotty
		-med. grey, wk seriate texture, w/	CH/P/1	CP/D/Tr.			cp
		10-15% mafics (BT)	K/FE/1				-alt^n increases w/ depth.
		-wk sericite alt^n of plag. pheno's	CA/FF/1				
		-non-magnetic, blocky + rubbly w/					
		numerous small irregular microfractures					
		-most healed.					
		-more altered sections (40cm-1m) of					
		syenite + syenomonzonite.					
	@11.6	3 cm qtz vn.		CP/FF/5%		VN/45°/3	
				PY/FF/2%			
	12.3-14.0	FLT zone, rubbly	SER/P/2	PY/FF+D/3-6%	100-150/m		
			CH/P+FF/2				
			CA+CC/FF/3				

HOLE NO. AH 90-3

INTERVAL FROM	INTERVAL TO	ROCK TYPE (composition, colour, texture, grain size)	ALTERATION	MINERALIZATION	Fr/m	STRUCTURE (Fractures, faults, folding, bedding, etc.)	Mineralization, type, age, relations
	14.0-20.6	→	CH+SER/P/2		75-100/m		– more altered appearance → mostly FR
			K/FE/1				+ assoc. alt^n
			CA/FF/2				
	@14.9	Qtz/kspar/CH pegmatitic vn (5cm)		PY/FF+D/3%		VN/50°/3	CH after HB?
	@15.0	irregular 3cm clot of BT, CH+PY					– after HB?
		– poss. AB as well.					
	@15.5	large clots of CP again		CP/DB/1.5% (over	10cm)		
	17.7-18.1	syenitic crowded porphyry		PY/D/4%			
		– poss 2° kspar					
		– same texture → slightly more fractured.					
@	19.6	large (4x1cm) clot of kspar					
		– poss. red oxide staining.					
	19.6-20.6	syenomonzonite → pinkish green, aphitic	CH+K/P/4	PY/D/1.5%	100-150/m		
		– poss. 2° kspar alt^n	CA/FF/3				
20.6	23.8	AUGITE Ƀ LATITE	K/P/7	PY/FF+D/2%		CTCS are v. indistinct	– pervasive K alt^n prob. due to
		– light creamy green, fgr, mod. CA alt^n	CH/P/4				coalescing fracture envelopes.
		– 5-12% (1-2mm) augite pheno's.	SER+CA/P/5				
		– well fractured + healed w/ CA	CA/FF/3				

DRILL HOLE NO. AH 90-3

INTERVAL FROM	TO	ROCK TYPE (composition, colour, texture, grain size)	ALTERATION	MINERALIZATION	F/m	STRUCTURE (Fractures, faults, folding, bedding, etc)	Mineralization, type, age, relations
23.8	40.7	HYBRID ZONE	K/P/8	PY/.2-7% (2̄%)			-chlorite alt^n incr. + kspar alt^n
		-k altered aug. π latite + aplitic syenite	CH/P/3	PO/D/1% (locally)			decreases w/ depth
		-similar colour to above 20.6-23.8 m	SER/P/4				-from ~35.0m CH → 7
		— lt. creamy pink/green.	CA/FF+P/5				-purple mineral in FR @ 24.9 + 39.9m
		-fgr to aphanitic	FeOx/FF/2 →	towards bottom of interval			
		-syenitic zones could be v. k altered					
		latites					
		well fractured + healed → one zone					
		(5cm) @ 25.2m of limey clay pebbles in					
		a fault gouge					
		-local purple mineral in fractures w/					
		calcite → harder than CA but scratches					
		→ fluorite?					
40.7	43.5	SHEAR ZONE	CH/P/9	PY/D/20% (up to 30%)		SHR/20°/2	-BT assoc. w/ CH in large
		-v. chloritic + sulfide rich w/ large	CA/P/7	MoS_2/D/.1% (locally to .5%)			CH-rich clots.
		clots of CH → poss. altered latite	BT/PA/5	CP/D/.1% (locally to .4% in clots)			
		-str. pervasive CA alt^n				LCTC/25°/3	
43.5	95.5	MIXED MONZONITE CROWDED PORPHYRY +	K/FE/3-6	PY/D+FF/3-5% → to .2-1% from ~51.0m			-SER alt^n seems to incr. slightly
		SYENITE CROWDED PORPHYRY.	CH/FF/1	CP/D/Tr			near bottom of interval.
		-gradational CTC's b/wn kspar	SER/P/1	MoS_2/D/Tr (locally)			
		altered monzonites, monzonites + syenites	CA/FF/4				
		(v. kspar altered?)				LCTC/50°/2 indistinct	
		-similar seriate texture as above					
		-pinkish grey, mgr					

HOLE NO. A[illegible]90-3

INTERVAL FROM	TO	ROCK TYPE (composition, colour, texture, grain size)	ALTERATION	MINERALIZATION	Fr/m	STRUCTURE (Fractures, faults, folding, bedding, etc.)	Mineralization, type, age, relations
		(43.5-95.5 cont.)					
		-occasional Tasla xenolith inclusion up to 25cm (most small)					
		-more monzonite than syenite in upper portion → ~51.0m syenitic become more prominent					
		-well fractured + healed w/occasional rubbly section					
	52.8-53.1	-brx w/ monz. clasts in a CH+CA ±SER? matrix				BRX/-/2	
	@57.8	-10cm syenite dyke w/ diffuse but definite ctc's → same seriate texture as host → late stage(?)				VN/40°/2	
	62.6-95.5	rubbly + blocky core	EP/?/1				-EP replacing ~ 0.5% of plag.
	@71.1	→	EP/FF/1				
95.5	137.7	HYBRID ZONE					
		-irregular mix of syenomonz. of above, Tasla volc. (aphanitic + black) and aplitic syenite					

DRILL HOLE NO. AH90-3

HOLE NO. AH90-3

INTERVAL FROM	TO	ROCK TYPE (composition, colour, texture, grain size)	ALTERATION	MINERALIZATION	F/m	STRUCTURE (Fractures, faults, folding, bedding, etc.)	Mineralization, type, age, relations
	95.5-101.3	generally a discrete mix of crowded porphyry + Tabla w/ recognizable CTC's → porph. is K altered w/ CH, SER + CA → Tabla is black + aphanitic w/ numerous irregular + discontinuous CA/FR.	CH/P/2-7 CA/FF/3-7 SER/P/1	PY/D/·2-3%.			-PY/3% in CH rich porphyry
	@98.6	→				SHR/20°/1 (// to vn)	-CH rich porph. w/ aplite syenite vn.
	101.3-115.9	a more "smeared" mixture of aplite syenite + Tabla (latite?) → similar to above hybrid zone @23.8-40.7 m. -minor brxx + clay gouge	CH/P/2-6 K/P/2-4 SER/P/2-4 CA/FF/4	PY/FF+D/2-3%	100-200/m		-CH incr. until ~105.5 where core looks like a v. CH altered crowded porph. (v. faint + K also) → dk green.
	105.4-105.6	clay zones (1-3 cm wide)	CA+CH/P/8			SHR/90°/3	
	107.3-107.6	→					-purple mineral in FF w/ CA again
	@111.5	→				SLICK/75° on FR @ 50° to C.A.	
	112.8-112.9	SHR w/ BRX + clay (lines)	CA/P/9 CH/P/7	PY/?/1%.		SHR/60°/3 BRX/60°/3	-BRX frags of hybrid comp. w/ CA matrix
	115.9-137.7	v. altered hybrid w/ numerous clay shears (10-30 cm wide)	CH/P/7-9 CA/P/5-8	PY/FF+D/-2% CP/D/Tr (locally)			-CA alt^n assoc. w/ CH alt^n

DRILL HOLE NO. AH90-3

HOLE NO. AH90-3

INTERVAL FROM	TO	ROCK TYPE (composition, colour, texture, grain size)	ALTERATION	MINERALIZATION	Fr/m	STRUCTURE (Fractures, faults, folding, bedding, etc.)	Mineralization, type, age, relations
	124.5-128.4	SHR zone w/ strong CH+CC	CH/P/9-10	NONE VISIBLE		SHR/80°/3	- non-magnetic
		black w/ 1-2cm "screens" + clasts of	CL/P/8-9				- mod. BRX below
		lighter green chloritic sipuite + Tahla.	CA/P+FF/8				
	128.4-137.7	EP alt^n introduced.	EP/PA+FF/5				
	128.4-131.2	Mod. BRX w/ some shearing + CL zones				BRX/-/1	
137.7	202.7	AUGITE ?? LATITE (TUFF?)	CH/P/4	PY/FF+D/.1%→Tr	10-30/m		
		-occasional lithic fragment	EP/PA+FE+FF/3	MT/D/.2%			
		-1-5% (1-3mm) aug. pheno's, mod.	CA/FF/2				
		to dk green, wk to mod. mag	FeOx/FF/1				
		some sections appear v. wkly foliated					
	137.7-167.5	stronger alt^n	EP/PA+FE+FF/5	PY/FF+D/Tr			-Qtz sometimes assoc. w/ EP alt^n
			K/PA+FF/2				-occasional patch of K alt^n
			CA/FF/3				
	146.8-154.8	wk. BRX w/occasional Mod. BRX zone	EP/PA+FF+FE/6	PY/FF+D/.5-1.5%		BRX/-/1+2	-stronger CA + more PY in mod. BRX zones
			CA/FF+PA/2-5				
	153.4	EP altered fs show trachytic					
		texture @ ~50° to C.A.					

HOLE NO. AH90-3

INTERVAL FROM	TO	ROCK TYPE (composition, colour, texture, grain size)	ALTERATION	MINERALIZATION	F/m	STRUCTURE (Fractures, faults, folding, bedding, etc.)	Mineralization, type, age, relations
	156.4-202.7	→		PY/FF+D/1% (2.5% locally)		-there seems to be a str. pref. orient^n w/ EP/FF	
				CP/FF+D/.1%		+ PY/FF @ 30-40° but xcutting each other.	
				MT/FF+D/.4%			
	168.2-168.7	wk BRX w/ both Takla + aplitic syenite	CA/P/6			BRX/-/1	
		frags (or. v. k altered Takla?)					
	168.7-182.3	wk hybrid zone (?)	EP/FE+PA+FF/4	PY/FF+D/1-3%	20-30/m.		
		-mostly Takla but occasional patch +	K/FE+FF/3	MT/FF/.7%			
		zone of k alt^n + syenitic dyking	CH/P/4				
		→occasional frag. of intrusive-looking	CA/FF/1				
		material → stockworking similar to					
		AH90-1 but more k alt^n around FR					
		-Takla is poss. a lapilli fragmental.					
	181.0-181.8	Mineralized shr zone w/ qtz → v. uniform	CH+K/P/4	PY/D/8-10%		SHR/60°/3	
		+ v. strong.	SER/P/2	CP?/D/Tr			
		-aplitic syenite + Takla bands are	CA/FF/2				
		barely recognizable	Qtz/P+FF/3				
			EP/FE+FF/1				
e	184.0	CTC btwn xtal tuff + aug. Tr flow(?)				CTC/50-70°/2	-3-5% PY in flow unit
		-flow is v. fgr w/ 2-5% plag's				-v. irregular but sharp	-no amygdules
		-tuff is fgr w/ 30-40% aug. pheno's					
		-possibly flow is an inclusion/frag.					

DRILL HOLE NO. AH90-3

HOLE NO. AH90-3

INTERVAL		ROCK TYPE (composition, colour, texture, grain size)	ALTERATION	MINERALIZATION	Fr/m	STRUCTURE	
FROM	TO					(Fractures, faults, folding, bedding, etc.)	Mineralization, type, age, relations
	@187.0	good lapilli fragmental					
	201-202.7	broken + blocky core					
202.7		E.O.H.					

DRILL HOLE NO. AH 90-3

DRILL LOG sample data

SAMPLE NUMBER	FROM	TO	TOTAL METRES	M.S.	CORE RECOVERY %	AMT. LOST	VISUAL ESTIMATES (% ORE MINERALS)	ASSAY RESULTS						
81174	3.1	6.0	2.9		75	.7								
175	6.0	8.0	2.0		90	.2								
176	8	10	↓		90	.2								
177	10	12			65	.7								
178	12	14			85	.3								
179	14	16			90	.1								
81180	16	18			80	.4								
181	18	20			100	0								
182	20	22			100	0								
183	22	24			90	.2								
184	24	26			95	.1								
185	26	28			90	.2								
186	28	30			90	.2								
187	30	32			90	.2								
188	32	34			90	.2								
189	34	36			95	.1								
81190	36	38			75	.5								
191	38	40			100	0								
192	40	42			95	.1								
193	42	44			90	.2								
194	44	46			95	.1								
195	46	48			80	.4								
196	48	50			95	.1								
197	50	52			95	.1								
198	52	54			85	.3								
81 199	54	56			70	.6								

DRILL HOLE NO. AH 90-3

DRILL LOG sample data

SAMPLE					CORE RECOVERY		VISUAL ESTIMATES (% ORE MINERALS)	ASSAY RESULTS						
NUMBER	FROM	TO	TOTAL METRES	M.S.	%	AMT. LOST								
81200	56.0	58.2	2.0m		100	0								
201	58	60	↓		90	.2								
202	60	62			100	0								
203	62	64			85	.3								
204	64	66			85	.3								
205	66	68			85	.3								
206	68	70			85	.3								
207	70	72			85	.3								
208	72	74			90	.2								
209	74	76			75	.5								
81210	76	78			95	.1								
211	78	80			80	.4								
212	80	82			95	.1								
213	82	84			90	.2								
214	84	86			70	.6								
215	86	88			75	.5								
216	88	90			95	.1								
217	90	92			90	.2								
218	92	94			85	.3								
219	94	96			100	0								
81220	96	98			100	0								
221	98	100			90	.2								
222	100	102			100	0								
223	102	104			75	.5								
224	104	106			85	.3								
225	106	108			90	.2								

DRILL HOLE NO. AK 90-3

DRILL LOG sample data

SAMPLE					CORE RECOVERY		VISUAL ESTIMATES (% ORE MINERALS)	ASSAY RESULTS						
NUMBER	FROM	TO	TOTAL METRES	M.S.	%	AMT LOST								
81226	108.0	110.0	2.0 m		100	0								
227	110	112			90	.2								
228	112	114			100	0								
229	114	116			85	.3								
81230	116	118			85	.3								
231	118	120			80	.4								
232	120	122			90	.2								
233	122	124			80	.4								
234	124	126			95	.1								
235	126	128			85	.3								
236	128	130			95	.1								
237	130	132			90	.2								
238	132	134			90	.2								
239	134	136			85	.3								
81240	136	138			100	0								
241	138	140			95	.1								
242	140	142			100	0								
243	142	144			100	0								
244	144	146			95	.1								
245	146	148			95	.1								
246	148	150			80	.4								
247	150	152			95	.1								
248	152	154			95	.1								
249	154	156			95	.1								
81250	156	158			95	.1								
251	158	160			95	.1								

DRILL HOLE NO. ____

DRILL LOG sample data

SAMPLE NUMBER	FROM	TO	TOTAL METRES	M.S.	CORE RECOVERY %	AMT. LOST	VISUAL ESTIMATES (% ORE MINERALS)	ASSAY RESULTS						
81252	160.0	162.0	2.0 m		100	0								
253	162	164	↓		95	.1								
254	164	166			95	.1								
255	166	168			100	0								
256	168	170			95	.1								
257	170	172			95	.1								
258	172	174			100	0								
259	174	176			90	.2								
81 260	176	178			95	.1								
261	178	180			100	0								
262	180	182			100	0								
263	182	184			95	.1								
264	184	186			100	0								
265	186	188			95	.1								
266	188	190			100	0								
267	190	192			95	.1								
268	192	194			100	0								
269	194	196			100	0								
81 270	196	198			100	0								
271	198	200			90	.2								
81 272	200.0	202.7	2.7 m.		90	.3								

DRILL HOLE NO. ______

DRILL SUMMARY
DDH AH90-4

UTM N: 6132545mN
UTM E: 381004mE
GRID N: 90+99N
GRID E: 107+50E

ELEV.: 1250 m
DEPTH: 168.9 m
ORIENT.: -59°/091°

Metres (m)	
0.0 - 3.7	OVERBURDEN
3.7 - 31.5	HYBRID ZONE Augite plagioclase andesite porphyry flow with medium grained phenocrysts 30-60%, moderate chlorite and epidote alteration; and medium grained, equigranular to subporphyritic monzonite, slight to moderate propylitic alteration; 0.4% PY.
31.5 - 67.5	ANDESITE/LATITE Aphanitic to medium grained, moderate-strong chlorite and moderate epidote alteration; 0.2-8% PY, 0.1% CP (locally).
67.5 - 86.3	HYBRID ZONE As above, also moderate potassic alteration locally; 1.2% PY, 0.3% CP (locally).
86.3 - 126.0	MONZONITE Medium grained, equigranular to subporphyritic, slight to moderate sericite and potassic alteration, 0.2-2% PY; with deformed and chloritized intermediate volcanic (93.2-102.2m), 0.5% PY, trace CP and trace MoS_2.
126.0 - 130.6	FAULT ZONE Brecciated and sheared intermediate volcanic, strong chlorite and moderate epidote alteration; 0.2-2% PY.
130.6 - 143.5	AUGITE LATITE PORPHYRY FLOW Medium grained augite phenocrysts 15-35%, strong chlorite and moderate epidote alteration; 2.5% PY, trace CP (locally).
143.5 - 145.3	QUARTZ APLITE DYKE Aphanitic, weak carbonate and epidote alteration; 0.4% PY.
145.3 - 168.9	AUGITE LATITE PORPHYRY FLOW As above, ductile and brittle deformation common, moderate to strong propylitic alteration; 3% PY, trace CP (locally).
168.9	E.O.H.

HOLE NO. AH 90-4

DRILLING CO. Boisvenu	LOCATION SKETCH	DEPTH	TESTS DIP ANGLE	AZIMUTH	DATE STARTED: 21/9/90	PROJECT: 10154
	N	COLLAR	-59°	~~E5~~° 091°	DATE COMPLETED: 22/9/90	N.T.S.: 93N/7
		168.9	-59°	—	COLLAR ELEV.: 1250 m	LOCATION:
					NORTHING: 6132545m N } UTM	90+99N } GRID
					EASTING: 381004 m E	107+50E
					AZIMUTH: 150°	
					DEPTH: 168.9 m	DATE LOGGED: 25/9/90
HOLE TYPE DDH					CORE SIZE: BQ	LOGGED BY: CTB

INTERVAL FROM	TO	ROCK TYPE (composition, colour, texture, grain size)	ALTERATION	MINERALIZATION	Ft/m	STRUCTURE (fractures, faults, folding, bedding, etc.)	REMARKS Mineralization, type, age relations
0	3.7	OVERBURDEN					
3.7	31.5	VOLCANIC-INTRUSIVE HYBRID	A: CH/P/5	A: PY/D+FF/.2%			
		-aug. plag. latite porph. flow(?) w/	B: EP/P+FE+DB/4				
		mgr. pleno's 30-60%, mod. CH + EP,	C: CB/FE+FF/3				
		non to mod. magnetic + mgr.,	D: FeOx/FF/2				
		equigranular to subporph.					
		monzonite, slight to mod. propylitic					
		altn, non-magnetic; all w/ .4% PY					
	3.7-13.1	Monzonite, as described above.	A: CH/P/4	A: PY/D/.2%		- Broken core: 3.7-5.8, 6.4-6.7, 7.7-?	
			B: EP+CB/FF/3			- CB vn 2cm thick /30°/2 @ 10.7m.	
	13.1-22.3	Latite porphyry, as described above	A: CH/P/6	A: PY/D/.2%		CB mlts along brittle fractures randomly oriented, common.	
			B: EP/FE+DB/4				
			C: CB/FF/3				
	22.3-23.6	Monzonite, as above				fault gouge at contacts.	

DRILL HOLE NO. AH90-4

HOLE NO. AH 90-4

INTERVAL FROM	INTERVAL TO	ROCK TYPE (composition, colour, texture, grain size)	ALTERATION	MINERALIZATION	Film	STRUCTURE (Fractures, faults, folding, bedding, etc.)	Mineralization, type, age, relations
	23.6-25.1	Latite porphyry, as above		PY/D+FF/1%		-mostly broken core. - LCTC altered, gradational over 4cm	
						Trachytic locally /50-80°/2 - texture	
	25.1-31.5	Hybrid zone, 70% monz./30% lat.		PY/D+FF/.7%		Qtz vn 2cm thick /05°/3 at 29.5m w/ 4% PY along	
		porph.				FR parallel to vn.	
31.5	67.5	ANDESITE-LATITE	A: CH/P/7	A: PY/D+V/1.2%		PY > 2%: 37.2-37.7 m (3%, FF) 40.0-40.2 m (3%, D), 42.5-43.2	
		-w/ strong propylitic alt^n	B: EP/P+FE+DB/6	B: CP/DB/.1% locally		(2% w/ .4% CP), 46.8-47.3 m (5%, V+D), 65.3-65.4 m (5%, D),	
		-aphanitic to mgr, generally equigran.	C: CB/P+FF/5			66.4-66.5 m (5%, D)	
		mod. to str. CH, mod. pervasive EP,				-broken core/rubble: 54.3-54.5, 55.8-56.3, 57.2-57.6, 58.5-58.8	
		mod. magnetic, .2-8% PY w/ local				60.4-60.6, 61.2-62.4, 65.7-66.2, 67.0-67.5.	
		concentrations (10%, .5m) in +					
		adjacent to CB/FR, .1% CP locally					
	42.5-43.2		A: CH/P/7	A: PY/D/2%		CP assoc. w/ EP.	
			B: EP/DB+FF/7	B: CP/DB/.4%			
	46.8-47.3	CB-qtz-granite vns w/ PY	A: CB/V/8	A: PY/D+V/8%		Vns/45°/3	
67.5	86.3	VOLCANIC-INTRUSIVE HYBRID	A: CH/P/6	A: PY/DIFF/1.2%		-PY > 2%: 77.2-78.5 (4%, .3% CP, D), 79.0-79.9 (15% V)	
		-as above, mgr aug. plag. latite	B: EP/DB+FF/5	B: CP/D+FF/.3% locally			
		porph. + mgr monzonite, mod.	C: CB/FE+FF/4			-broken core/rubble: 71.2-71.6, 73.8-74.4, 74.7-76.7, 78.4-79.4	
		CH+EP, wk to mod. K in monz.					
		locally, mod. magnetic locally				-purple-red colouring to CB + FS locally → fluorite?	
		1.2% PY, .3% CP (locally, rare)					

HOLE NO. AH 90-4

INTERVAL FROM	INTERVAL TO	ROCK TYPE (composition, colour, texture, grain size)	ALTERATION	MINERALIZATION	F/m	STRUCTURE (Fractures, faults, folding, bedding, etc.)	Mineralization, type, age, relations
	77.2-78.5	→		A: PY/D+FF/4%			
				B: CP/D/.3%			
86.3	126.0	MONZONITE					
		mgc, equigran. to sub porph., slight	A: SER/P/4	A: PY/D+FF/.7%		feldspars zoned locally	
		to mod. SER + K alt^n, non-magnetic,	B: K/FE/4 locally	B: CP/D+DB+FF/.3% locally			
		.2-2% PY/D; local inclusion of	C: CH/P+FE/2				
		int. volc. rock w/ str. CH alt^n					
		+ str. ductile deformation; also					
		sulfide vn (see below). CP + MoS_2					
		present up to .3% locally					
	86.3-92.4	Monzonite, as above.	A: SER/P/4	A: PY/D/2%			
			B: K/FE/2				
	92.4-93.2	Monzonite, slightly foliated, wk CH	A: SER/P/4	PY/D+FF/2%		Qtz-CA filled FR/05°, 15°/2, assoc. w/ CP, MoS_2 cutting foliation at 48°/2	
			B: CH/P/3	CP/D+FF/.3%			
			C: K/FE/2	MoS_2/FF/.1%			
	93.2-102.2	Deformed + altered int. volc.	A: CH/P/7	A: PY/D+V/.5%		-foliation/45°-50°/3; CB-qtz vnlts .5-1.5cm. thick/30°/3,	
		xenolith or screen, mod. mag.	B: CB/V/4	B: CP/V/Tr		clearly cutting foliation, assoc. w/ CP + MoS_2	
			C: K/P/3	C: MoS_2/V/Tr			
	102.2-111.1	Monzonite, as above	A: SER/P/4	A: PY/D+FF/1.5%		locally Kspar porphyritic	
			B: K/FE/3	B: CP/FF/Tr		-broken core/rubble: 102.3-102.7, 106.0-106.2, 106.4-106.5, 107.3-107.9, 109.0-109.5, 110.0-110.5. CP: .5% @109.1m.	

DRILL HOLE NO. AH90-4

HOLE NO. AH 90-4

INTERVAL FROM	TO	ROCK TYPE (composition, colour, texture, grain size)	ALTERATION	MINERALIZATION	F/m	STRUCTURE (Fractures, faults, folding, bedding, etc.)	Mineralization, type, age, relations
	111.1-111.3	PY vn, 6 cm thick	A: CB/V/7	A: PY/V/60%		PY-CB-Qtz vn /40°/2	
	111.3-126.0	Monzonite w/ abundant broken core/	A: SCR/P/4	A: PY/D+FF/1%		-broken core/rubble: 111.7-111.9, 116.0-121.4	
		rubble; more aplitic near LCTC	B: K/P/3	B: CP/V/Tr		-LCTC: fault gouge	
			C: CB/D/3			-CP in .5cm thick qtz-aplite vn/20°/3	(1.5% CP 120.9-121.0)
						-LCTC: chill of monzonite dyke?	
126.0	130.6	FAULT ZONE					
		brecciated + sheared inter. volc., str.	A: CH/P/9	A: PY/D+FF/1%		-CB-aplite vn 3.5cm thick /40°/2 @ 130.2	
		CH + mod. EP alt^n, non + slightly	B: EP/P/6				
		magnetic, .2-2% PY	C: CB/P+FF/3				
130.6	143.5	AUGITE LATITE PORPHYRY FLOW(?)	A: CH/P/8	A: PY/D+FF/3%		Plag. apparent in groundmass locally, not accentuated	
		mgr augite 15-35%, str. CH + mod.	B: EP/FF+DB/5	B: CP/DB/Tr		by alt^n	
		EP alt^n, non magnetic, 2.5% PY,	C: CB/FF+V/4				
		Tr. CP locally → rare					
	135.7-135.8	→	A: EP/V/7	A: PY/D/.4%		EP vn 1cm /05°/3	
			B: CH/P/7	B: CP/DB/Tr.			
143.5	145.3	QUARTZ-APLITE VEIN	A: CB/FF/3	A: PY/D/.4%		Chloritic latite inclusions. 143.7-143.75, 143.9-144.3	
		white-pink aphanitic, slightly	B: EP/DB/3				
		fractured w/ inclusions of latite (as					
		above), non magnetic, .4% PY diss.					

HOLE NO. AH 90-4

INTERVAL FROM	TO	ROCK TYPE (composition, colour, texture, grain size)	ALTERATION	MINERALIZATION	Fr/m	STRUCTURE (Fractures, faults, folding, bedding, etc.)	Mineralization, type, age, relations
145.3	168.9	AUGITE LATITE PORPHYRY FLOW(?)	A: CH/P/7	A: PY/D+FF/3%		Qtz-aplite-CB vns: 135.6-135.65, 164.2-164.3	
		as above, ductile + brittle deformation	B: EP/D+DB+FC/5	B: CP/DB/Tr		brittle fractures randomly oriented, common	
		common, mod. to str. propylitic alt^n, non-	C: CB/FF/4			EP vns & patches common 160.0-168.0.	
		magnetic, 3% PY diss. + along fractures					
		tr. CP locally → rare					
168.9		E.O.H.					

DRILL HOLE NO. AH 90-4

AH90-4

DRILL LOG sample data

SAMPLE					CORE RECOVERY		VISUAL ESTIMATES (% ORE MINERALS)	ASSAY RESULTS						
NUMBER	FROM	TO	TOTAL METRES	MS.	%	AMT LOST								
81273	3.8	6	2.2		80	0.4								
274	6	8	2		88	0.3								
275	8	10			85	0.3								
276	10	12			90	0.2								
272	12	14			90	0.2								
278	14	16			85	0.3								
279	16	18			85	0.3								
81280	18	20			90	0.2								
281	20	22			80	0.4								
282	22	24			80	0.4								
283	24	26			75	0.5								
284	26	28			90	0.2								
285	28	30			85	0.3								
286	30	32			90	0.2								
287	32	34			95	0.1								
288	34	36			90	0.2								
289	36	38			90	0.2								
81290	38	40			85	0.3								
291	40	42			90	0.2								
292	42	44			95	0.1								
293	44	46			100	0								
294	46	48			100	0								
295	48	50			95	0.1								
296	50	52			90	0.2								
297	52	54			80	0.4								
81298	54	56			80	0.4								

DRILL HOLE NO. AH90-4

AH90-4

AH90-4

DRILL LOG sample data

SAMPLE NUMBER	SAMPLE FROM	SAMPLE TO	SAMPLE TOTAL METRES	SAMPLE MS.	CORE RECOVERY %	CORE RECOVERY AMT LOST	VISUAL ESTIMATES (% ORE MINERALS)	ASSAY RESULTS						
81299	56	58	2		80	0.4								
81300	58	60			80	0.4								
301	60	62			85	0.3								
302	62	64			75	0.5								
303	64	66			80	0.4								
304	66	68			80	0.4								
305	68	70			85	0.3								
306	70	72			90	0.2								
307	72	74			90	0.2								
308	74	76			80	0.4								
309	76	78			95	0.1								
81310	78	80			75	0.5								
311	80	82			75	0.5								
312	82	84			190	0.2								
313	84	86			100	0								
314	86	88			100	0								
315	88	90			70	0.6								
316	90	92			90	0.2								
317	92	94			90	0.2								
318	94	96			85	0.3								
319	96	98			80	0.4								
81320	98	100			95	0.1								
321	100	102			95	0.1								
322	102	104			85	0.3								
323	104	106			95	0.1								
81324	106	108	↓		85	0.3								

DRILL HOLE NO. AH90-4

AH90-4

AH90-4

DRILL LOG sample data

SAMPLE					CORE RECOVERY		VISUAL ESTIMATES (% ORE MINERALS)	ASSAY RESULTS						
NUMBER	FROM	TO	TOTAL METRES	MS.	%	AMT. LOST								
81325	108	110	2		90	0.2								
81326	110	112			90	0.2								
81327	112	114			95	0.1								
81328	114	116			90	0.2								
81329	116	118			95	0.1								
81330	118	120			95	0.1								
331	120	122			90	0.2								
332	122	124			95	0.1								
333	124	126			95	0.1								
334	126	128			80	0.4								
335	128	130			85	0.3								
336	130	132			95	0.1								
337	132	134			95	0.1								
338	134	136			90	0.2								
339	136	138			90	0.2								
340	138	140			90	0.2								
341	140	142			90	0.2								
342	142	144			95	0.1								
343	144	146			95	0.1								
344	146	148			95	0.1								
345	148	150			100	0								
346	150	152			85	0.3								
347	152	154			90	0.2								
348	154	156			85	0.3								
349	156	158			85	0.3								
81350	158	160	↓		90	0.2								

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DRILL HOLE NO. AH90-4

AH90-4

DRILL LOG sample data

AH90-4

SAMPLE					CORE RECOVERY		VISUAL ESTIMATES (% ORE MINERALS)	ASSAY RESULTS						
NUMBER	FROM	TO	TOTAL METRES	M.S.	%	AMT. LOST								
81351	160	162	2		85	0.3								
352	162	164	↓		90	0.2								
353	164	166			85	0.3								
81354	166	168.9	2.9m		95	0.1								

DRILL HOLE NO. AH90-4

DRILL SUMMARY
DDH AH90-5

UTM N: 6132545mN
UTM E: 381585mE
GRID N: 91+13N
GRID E: 113+30E

ELEV.: 1183 m
DEPTH: 170.0 m
ORIENT.: -45°/150°

Metres (m)	
0.0 - 1.9	OVERBURDEN
1.9 - 148.0	AUGITE PORPHYRY ANDESITE/LATITE FLOWS & DIORITE/MONZODIORITE HYPABYSSAL SILLS Medium grained augite phenocrysts 15-60% and subordinate plagioclase 5-30%, moderate-strong propylitic alteration, minor fault zones with brecciated ± sheared, chloritized volcanic/intrusive rock; 0-5% PY, up to 0.4% CP (locally).
148.0 - 170.0	MONZONITE AND APLITIC SYENITE Fine grained, grey-green biotite(?) syenite and aphanitic, pink k-spar aplitic syenite, commonly brecciated and cut by quartz veins containing minor PY (1%), CP (0.1%) and MoS_2 (0.1%,locally).
170.0	E.O.H.

HOLE NO. AH90-5

DRILLING CO	BOISVENU
HOLE TYPE	DDH

LOCATION SKETCH

N

DEPTH	TESTS DIP ANGLE	AZIMUTH
COLLAR	-45	150°
170.0 m	-43	—

DATE STARTED:	23/9/90
DATE COMPLETED:	24/9/90
COLLAR ELEV.:	1133 m
NORTHING:	6132545 mN > UTM
EASTING:	381585 mE
AZIMUTH:	150°
DEPTH:	170.0 m
CORE SIZE:	BQ

PROJECT:	10154
N.T.S.:	93N/7
LOCATION:	91+13 N, 113+30 E > GRID
DATE LOGGED:	26/9/90
LOGGED BY:	CTB

INTERVAL FROM	INTERVAL TO	ROCK TYPE (composition, colour, texture, grain size)	ALTERATION	MINERALIZATION	Fr/m	STRUCTURE (fractures, faults, folding, bedding, etc.)	REMARKS Mineralization, type, age relations
0	1.9	OVERBURDEN					
1.9	148.0	AUGITE LATITE PORPHYRY FLOWS	A: CH/P/7	A: PY/D+FF+DB/1.5%			
		+ HYPABYSSAL SILLS.	B: EP/P+DB+FE/5	B: CP/D+DB/trace overall, see below.			
		mgr aug. pheno's 15-60% + sub-	C: CB/FF/3				
		ordinate plag 5-30%, mod.-str.	D: K/FE/3				
		propylitic alt^n (CH, EP, lesser CB),					
		slightly to mod. magnetic, local					
		minor brecciated/shear zones, tr -					
		5% PY, up to .4% CP locally - rare					
	1.9-36.0	Augite diorite-monzodiorite sill:	A: CH/P/6	A: PY/D+FF/1%		-CP >.2% : 7.3-7.4 (.4%), 25.0-29.0 (.3%)	
		mgr, orthocumulate, locally pyrox-	B: EP/FE/6	B: CP/D+DB/.2%		- minor CH shr. zones +/- aplite vns: 12.2-12.6 m, 20.4-20.6, 23.0-	
		enitic, moderate propylitic + weakly	C: K/FE/4	C: MoS2/V/tr. locally		29.0 (w/ brittle + ductile deformation)	
		potassic alt^n, 1% PY, .2% CP,				- hypabyssal sill or thick flow	
		trace MoS2 locally					

DRILL HOLE NO. AH90-5

HOLE NO. AH90-5

INTERVAL FROM	TO	ROCK TYPE (composition, colour, texture, grain size)	ALTERATION	MINERALIZATION	Fr/m	STRUCTURE (Fractures, faults, folding, bedding, etc.)	Mineralization, type, age, relations
	36.0-43.2	Augite latite porphyry: mgr augite pheno's 15-30%, mod. propylitic + potassic alt^n, non to slightly magnetic, .7% PY, .1% CP locally	A: CH/P/6 B: EP/FE+DB/5 C: K/FE+D/4	A: PY/D+FF/.7% B: CP/DB/.1% locally		-Qtz vn 3cm/55°/2 @ 38.2 -potassic alt^n adjacent to sheared fractures + pervasive locally	
	43.2-52.5	Augite diorite-monzodiorite, as above orthocumulate	A: CH/P/5 B: EP/P+DB+FE/4 C: K/P+FF/3	A: PY/FF+D/1%		-hypabyssal sill or thick flow.	
	52.5-55.9	Augite latite porphyry, as above	A: CH/P/6 B: EP/P+FE/6	PY/FF+D/.8%			
	55.9-65.3	Fault zone: chloritic, sheared + brecciated latite porphyry, .1% PY	A: CH/P/8 B: EP/FE/6 C: CB/V/4	A: PY/D/.1%			
	65.3-135.5	Augite diorite-monzonite, as above, orthocumulate, moderately magnetic, mod. propylitic alt^n, tr - 3% PY	A: CH/P/5 B: EP/P/4 C: CB/V/3	A: PY/D+FF/.7%		>2% PY: 73.6-74.5 (3%), 121.1-121.2 (2.5%, FF), 121.7-121.8 (3%, FF), 125.6-125.7 (3%), 131.0-131.2 (5%, FF), 132.5-135.5 (4%, FF) -Minor shr/brx zones: 73.0-73.1 (50°/3), 75.8, 103.0-103.6 (w/ EP + red hematite along hairline fractures), 131.0-134.0 (w/ mod. EP + str. CH, 4% PY) -locally sub-ophitic	

DRILL HOLE NO. AH90-5

HOLE NO. AH90-5

INTERVAL FROM	INTERVAL TO	ROCK TYPE (composition, colour, texture, grain size)	ALTERATION	MINERALIZATION	Ft/m	STRUCTURE (Fractures, faults, folding, bedding, etc.)	Mineralization, type, age, relations
	135.5-148.0	Augite latite porphyry flow(?). brxx + sheared, Mod. CH+ EP alt^n, qtz-CB vn + FF, 3% PY predom. in brx matrix	A: CH/P/6 B: EP/P+FC/5 C: CB/FF/4 D: K/FF/2	PY/FF+D/3%		PY>3% · 136.5-136.8 (DR+FT in brx matrix, 8%). CH shr/45°/2, w/ rock flour + fragments of aplitic syenite (see below)	
148.0	170.0	SYENITE + APLITIC SYENITE Gr, grey-green BT(?) syenite, + aphanitic pink kspar aplitic syenite, commonly brxx + cut by qtz vns w/ minor PY (1%), CP (.1%) + MoS2 (.1% locally)	A: CH/FF/3 B: CB/FF/3	A: PY/D/.2% B: CP/FF/.1% locally C: MoS2/V+FF/.1% locally		- Most prominent fracturing /60°/2 - Kspar aplitic syenite cuts syenite: both cut by qtz vns + brxx.	
	159.0-159.6	→		A: PY/D/.2% B: CP/FF/.1% C: MoS2/V+FF/.1%			
	165.0-165.2	→		A: PY/D/5% B: MoS2/V/Tr.		- chloritic shear "mineralized"	
	165.8-166.2	→	EP/P/5			CA vn 2 cm/60°/3, 166.0	
	168.0-168.5	HB syenite-granite ~5% qtz as primary constituent					
170.0		E.O.H.					

PAGE 3 OF 7

DRILL HOLE NO. AH90-5

AH90-5

AH90-5

DRILL LOG sample data

SAMPLE					CORE RECOVERY		VISUAL ESTIMATES (% ORE MINERALS)	ASSAY RESULTS						
NUMBER	FROM	TO	TOTAL METRES	MS.	%	AMT. LOST								
81355	1.9	4	2.1		80	0.4								
356	4	6	2		80	0.4								
357	6	8	↓		100	0								
358	8	10			85	0.3								
359	10	12			90	0.2								
360	12	14			95	0.1								
361	14	16			100	0								
362	16	18			90	0.2								
363	18	20			95	0.1								
364	20	22			95	0.1								
365	22	24			85	0.3								
366	24	26			85	0.3								
367	26	28			100	0								
368	28	30			95	0.1								
369	30	32			95	0.1								
370	32	34			90	0.2								
371	34	36			90	0.2								
372	36	38			85	0.3								
373	38	40			85	0.3								
374	40	42			90	0.2								
375	42	44			95	0.1								
376	44	46			100	0								
377	46	48			90	0.2								
378	48	50			95	0.1								
379	50	52			95	0.1								
81380	52	54	↓		100	0								

DRILL HOLE NO. AH90-5

AN90-5

DRILL LOG sample data

SAMPLE: NUMBER	SAMPLE: FROM	SAMPLE: TO	SAMPLE: TOTAL METRES	SAMPLE: MS.	CORE RECOVERY: %	CORE RECOVERY: AMT. LOST	VISUAL ESTIMATES (% ORE MINERALS)	ASSAY RESULTS						
81381	54	56	2		100	0								
382	56	58			95	0.1								
383	58	60			90	0.2								
384	60	62			85	0.3								
385	62	64			95	0.1								
386	64	66			100	0								
387	66	68			85	0.3								
388	68	70			95	0.1								
389	70	72			95	0.1								
390	72	74			95	0.1								
391	74	76			100	0								
392	76	78			95	0.1								
393	78	80			95	0.1								
394	80	82			100	0								
395	82	84			90	0.2								
396	84	86			85	0.3								
397	86	88			90	0.2								
398	88	90			90	0.2								
399	90	92			100	0								
81400	92	94			95	0.1								
401	94	96			100	0								
402	96	98			90	0.2								
403	98	100			100	0								
404	100	102			95	0.1								
405	102	104			100	0								
81406	104	106			95	0.1								

DRILL HOLE NO

AH 90-5

DRILL LOG sample data

SAMPLE NUMBER	FROM	TO	TOTAL METRES	M.S.	CORE RECOVERY %	AMT. LOST	VISUAL ESTIMATES (% ORE MINERALS)	ASSAY RESULTS						
81407	106	108	2		95	0.1								
408	108	110			85	0.3								
409	110	112			95	0.1								
410	112	114			100	0								
411	114	116			100	0								
412	116	118			90	0.2								
413	118	120			100	0								
414	120	122			100	0								
415	122	124			95	0.1								
416	124	126			90	0.2								
417	126	128			100	0								
418	128	130			100	0								
419	130	132			100	0								
420	132	134			100	0								
421	134	136			100	0								
422	136	138			100	0								
423	138	140			100	0								
424	140	142			95	0.1								
425	142	144			100	0								
426	144	146			100	0								
427	146	148			100	0								
428	148	150			100	0								
429	150	152			90	0.2								
430	152	154			90	0.2								
431	154	156			100	0								
81432	158	159	↓		95	0.1								

DRILL HOLE NO ______

DRILL LOG sample data

AH90-5

SAMPLE					CORE RECOVERY		VISUAL ESTIMATES (% ORE MINERALS)	ASSAY RESULTS						
NUMBER	FROM	TO	TOTAL METRES	M.S.	%	AMT. LOST								
81433	158	160	2		95	0.1								
81434	160	162			100	0								
81435	162	164			100	0								
81436	164	166			100	0								
81437	166	168			100	0								
81438	168	170 EOH	↓		95	0.1								

DRILL HOLE NO.

DRILL SUMMARY
DDH AH90-6

UTM N: 6132375mN
UTM E: 381395mE
GRID N: 89+68N
GRID E: 111+50E

ELEV.: 1189 m
DEPTH: 164.1 m
ORIENT.: -45°/160°

Metres (m)	
0.0 - 2.4	OVERBURDEN
2.4 - 28.5	AUGITE PLAGIOCLASE DIORITE-MONZODIORITE Hypabyssal sill, medium grained, subporphyritic, moderate propylitic alteration; 1.5% PY, trace CP (locally).
28.5 - 30.5	CRYSTAL ASH ANDESITE/LATITE TUFF Sparsely phyric with 5-15% medium and coarse grained augite phenocrysts, moderate propylitic alteration; 0.5% PY.
30.5 - 37.0	AUGITE PLAGIOCLASE DIORITE-MONZODIORITE As above, intrusive into tuff.
37.0 - 40.4	CRYSTAL ASH ANDESITE/LATITE TUFF As above.
40.4 - 44.5	FAULT ZONE Brecciated and sheared intermediate volcanic and k-spar aplitic syenite, moderate propylitic alteration; 5% PY in breccia matrix.
44.5 - 66.5	ANDESITE Aphanitic to medium grained, moderate propylitic alteration, weak potassic alteration locally; 2.5% PY.
66.5 - 78.6	CRYSTAL ASH ANDESITE/LATITE TUFF or FINE-GRAINED VOLCANICLASTIC Aphanitic to fine grained, mm-scale layering locally, moderate potassic alteration locally; 3-8% PY.
78.6 - 93.0	ANDESITE Deformed and altered, fine grained, moderate-strong propylitic and potassic alteration; 0.5-8% PY.
93.0 - 100.5	PLAGIOCLASE PORPHYRITIC ANDESITE AND FAULT ZONES Medium to coarse grained plagioclase 30-40%, moderate chlorite alteration, 30-80 cm thick fault zones common; 0.2% PY.
100.5 - 129.0	CRYSTAL ASH ANDESITE/LATITE TUFF or FINE GRAINED VOLCANICLASTIC As above, moderate propylitic and weak potassic alteration locally, minor fault zones; 1% PY.

AH90-6 cont.

129.0 - 139.2	INTERMEDIATE VOLCANIC Plagioclase phyric locally, pervasive moderate chlorite and spotted epidote hornfels alteration, moderate potassic alteration locally; 0.2-7% PY.
139.2 - 143.6	CRYSTAL LITHIC ANDESITE/LATITE TUFF Fine and medium grained augite and plagioclase phenocrysts, subangular lithic fragments of intermediate composition 0.3-5 cm, moderate propylitic alteration, minor potassic alteration locally; 0.5% PY.
143.6 - 162.0	AUGITE PLAGIOCLASE DIORITE-MONZODIORITE Hypabyssal sill, as above, slight-moderate propylitic alteration; trace-1% PY.
162.0 - 164.1	FAULT ZONE Brecciated and sheared volcanic rock, moderate propylitic alteration, minor quartz/carbonate/aplitic syenite veins; 1% PY.
164.1	E.O.H.

HOLE NO. AH-90-06

- DRILLING CO: BOISVENU
- HOLE TYPE: DDH
- LOCATION SKETCH: N

DEPTH	TESTS DIP ANGLE	AZIMUTH
COLLAR	-45°	160°
164.1m	-44°	

- DATE STARTED: 24/SEPT/90
- DATE COMPLETED: 25/SEPT/90
- COLLAR ELEV.: 1189m
- NORTHING: 89+68N (GRID)
- EASTING: 111+50E
- AZIMUTH: 160°
- DEPTH: 164.1m
- CORE SIZE: BQ
- PROJECT: AHOATAY
- N.T.S.: 93N07
- LOCATION: 6132375N (UTM) 381395E
- DATE LOGGED: 27-28/SEPT/90
- LOGGED BY:

INTERVAL FROM	INTERVAL TO	ROCK TYPE (composition, colour, texture, grain size)	ALTERATION	MINERALIZATION	Fr/m	STRUCTURE (fractures, faults, folding, bedding, etc.)	REMARKS Mineralization, type, age relations
0	2.4m	OVERBURDEN.					
2.4	28.5m	AUGITE PLAGIOCLASE DIORITE - MONZODIORITE: hypabyssal sill medium-grained, sub-porphyritic, moderate propylitic alteration, slightly magnetic, 15% pyrite trace chalcopyrite locally	A: Chl / P / 5 B: Ep / FF+DB / 5 C: Carb / FF / 2 D: K / FF / 2 locally	A: Py / FF+D / 1.5% B: Cpy / DB / Trace locally		Broken core to 7.6m, w/ minor FeOx on Fracture surfaces Intrusive, sharp lower contact > 2% pyrite: 20.5 - 21.5m (3% D)	
28.5	30.5m	CRYSTAL ASH LATITE TUFF: sparsely phyric, medium to coarse-grained augite crystals 5-15%, moderate propylitic alteration, non magnetic 0.5% pyrite	A: Chl+Ep / P / 5 B: K / FF / 3 locally	A: Py / D+FF / 0.5%		Sharp contacts with adjacent rocks.	
30.5	37.0m	AUGITE PLAGIOCLASE DIORITE - MONZODIORITE, as above		A: Py / D / 0.5%			
37.0	40.4m	CRYSTAL ASH LATITIC TUFF: as above					

DRILL HOLE NO.

HOLE NO AH-90-60

INTERVAL FROM	TO	ROCK TYPE (composition, colour, texture, grain size)	ALTERATION	MINERALIZATION	Fr/m	STRUCTURE (Fractures, faults, folding, bedding, etc.)	Mineralization, type, age, relations
40.4	44.5m	FAULT ZONE: brecciated and sheared intermediate volcanic and K-spar aplitic, syenite rocks, moderate propylitic alteration, 5% pyrite in breccia matrix.	A: Chl / P / 6 B: Ep / P-DB / 4 C: K / FF / 2	A: Py / FF / 5%		Numerous minor quartz - carbonate veinlets randomly oriented.	
44.5	66.5m	INTERMEDIATE VOLCANIC: aphanitic to medium-grained, moderate propylitic alteration, weak potassic alteration locally, non to slightly magnetic, 2.5% pyrite	A: Chl / P / 6 B Ep / DB+FE / 4 C: K / DB / 3 D Carb / V / 2	A: Py / D+V+FF / 2.5%		Textures generally masked by chlorite alteration local minor brecciated rock with epidote - carbonate pyrite matrix pyrite 4% of rock. Pyrite > 2% 50.0 - 50.3m (3% D), 57.5 - 62.8m DB, 4% 64.5 - 66.5 (6%, D)	
66.5	78.6m	INTERMEDIATE CRYSTAL ASH TUFF / FINE GRAINED VOLCANICLASTIC: aphanitic to fine grained, mm-scale layering locally, moderate to strong chlorite and epidote alteration, moderate potassic alteration locally, non magnetic 3-8% pyrite locally.	A: Chl / P / 7 B: Ep / P+DB+FF / 6 C: K / DB+FF / 4 locally.	A: Py / D+FF / 5%		Epidote and potassic coincide commonly. Strongest K alteration: 71.1 - 71.5m 78.2 - 78.5m Primary layering / 45° / 3. 68.0 - 70.0 m Pyrite disseminated, and as matrix to minor brecciation locally Minor shear zones 72.8 - 72.9m (EP/6) 76.6 - 78.0m (EP/6)	
78.6	93.0m	INTERMEDIATE VOLCANIC, DEFORMED AND ALTERED: fine grained rock with a variety of textures due to moderate to strong propylitic, and locally moderate to strong potassic alteration, non magnetic 0.5 - 8 % pyrite	A: Chl / P / 6 B: Ep / DB+FE / 6 C: K / FE / 5	A: Py / D+FF+DB / 3%		Primary texture obscured or obliterated by alteration and deformation	

DRILL HOLE NO. AH-90-60

HOLE NO. AH-90-06

INTERVAL FROM	TO	ROCK TYPE (composition, colour, texture, grain size)	ALTERATION	MINERALIZATION	Film	STRUCTURE (Fractures, faults, folding, bedding, etc.)	Mineralization, type, age, relations
78.6	82.6m	→	A: /C/P/FE/6 B: Ep/P+FE/6 C: Chl/P/5	A: Py/D+FF/15%			
82.6	930m	FAULT ZONE BRECCIA (?) with subangular fragments 2cm to 30cm of K-feldspar aplitic syenite, intermediate volcanic and augite diorite: monzodiorite, with moderate propylitic and potassic alteration, pyrite 0.3% to 3% in blebs	A: Chl/P/6 B: Ep/DB+FE/5 C: K/DB+FE/3	A: Py/DB+D/2%			
930	100.5m	PLAGIOCLASE PORPHYRITIC INTERMEDIATE VOLCANIC AND FAULT ZONES: medium to coarse grained plagioclase 30-40% in an aphanitic groundmass, and 20 to 80cm segments of fault gouge, moderate chlorite and epidote alteration,	A: Chl/P/6 B: Ep/DB+FE/4	A: Py 10/0.2%		· QV w/ 4% py 2cm thick / 65°/3, 96.0m · "Squeezing" fault gouge at 99.0-99.8m	
100.5	129.0m	INTERMEDIATE CRYSTAL ASH TUFF / FINE-GRAINED VOLCANICLASTIC ROCK: as above, moderate propylitic alteration, weak potassic alteration locally, non magnetic minor fault zones, 1% pyrite	A: Chl/P/5 B: Ep/DB+FE/4 C: K/FE/2 locally.	A: Py/D+FE+DB/1%		· Primary layering / 35°/3 with graded bedding fining up hole → upright stratigraphy.	

HOLE NO. AH-90-06

INTERVAL FROM	TO	ROCK TYPE (composition, colour, texture, grain size)	ALTERATION	MINERALIZATION	Fr/m	STRUCTURE (Fractures, faults, folding, bedding, etc.)	Mineralization, type, age, relations
100.5	109.3m	→	A: Ep/FE+DB/6 B: Chl/P/5 C: K/FE/2	A: Py/FF+DB+D/2%		· Graded bedding locally / 30° / 2 · Pyrite >2%: 103.0 - 103.3m (15%, DB+FE, w/Ep), 108.6 - 109.3 (3%, DB w/Ep)	
109.3	115.5m	→	A: Chl/P/5 B: Ep/DB+FE/4	A: Py/BD+FF/0.5%		· Pyrite with epidote following tuffaceous (?) bedding locally.	
115.5	122.5m	→	A: Ep/DB+FE/7 B: Chl/P/5 C: K/FE/5	A: Py/DB+FF/2.5%		· K-spar aplitic syenite veins and potassic alteration flooding both associated with epidote, and pyrite (≈4%): 115.7-116.2, 117.2-117.4, 118.2-118.7, 119.0-119.3m.	
122.5	125.5m	FAULT ZONE: brecciated and sheared volcanic rock, moderate propylitic and potassic alteration, minor quartz-carbonate veinlets, 2% pyrite.	A: Chl/P/5 B: Ep/FE+DB/4 C: K/FE+D/5	A: Py/D+FF/2%		· Predominant fracture/shear orientation / 50° / 3	
125.5	129.0m	→	→	A: Py/D+FF/2%			
129.0	139.2m	INTERMEDIATE VOLCANIC: locally plagioclase phyric, moderate pervasive chloritic and spotted epidote hornfels alteration, moderate potassic alteration locally, non-magnetic, 0.2 - 7% pyrite	A: Ep/DB+FE/6 B: Chl/P/5 C: K/FE/4 locally.	A: Py/DB+D+FF/3.5%		- K alteration predominant: 131.5 - 132.2m - Pyrite > 3%: 130.7 - 133.6 (4 - 7%) - Frac. w/ 7% py and Ep/FE/8 at 132.2 - 132.3m - Frac. w/ Ep/FE/7, 1% py at 136.4m	

DRILL HOLE NO. AH-90-06

HOLE NO. AH-90-06

INTERVAL FROM	TO	ROCK TYPE (composition, colour, texture, grain size)	ALTERATION	MINERALIZATION	F/m	STRUCTURE (Fractures, faults, folding, bedding, etc.)	Mineralization, type, age, relations
139.2	143.6m	CRYSTAL LITHIC ANDESITE/LATITE TUFF: Fine and medium-grained augite and plagioclase phenocrysts and subangular lithic fragments of intermediate composition 0.3-5cm, moderate propylitic alteration, minor potassic alteration locally non-magnetic, 0.5% pyrite.	A: Chl/P/4 B: Ep/DB+FE/4 C: K/FE/2 locally.	A: Py/D+FF+DB/0.5%			
143.6	162.0m	AUGITE PLAGIOCLASE DIORITE-MONZODIORITE: hypabyssal sill, medium-grained, equigranular to subporphyritic, slight to moderate propylitic alteration, slightly magnetic, trace to 1% pyrite.	A: Chl/D/4 B: Ep/DB+FE/2 C: Carb/V/2	A: Py/D+FF/0.5%		Minor shear zones: 55°/3, at 153.8-153.9, w/3% Py; 35°/2 158.1-158.8m	
162.0	164.1m	FAULT ZONE: brecciated and sheared volcanic rock, moderate propylitic alteration, minor quartz-carbonate aplitic syenite veins, 1% pyrite	A: Chl/P/5 B: Ep/FE/4 C: K/V/3	A: Py/P/1%			
	164.1m	EOH					

DRILL HOLE NO. AH-90-06

AN90-6

DRILL LOG sample data

SAMPLE					CORE RECOVERY		VISUAL ESTIMATES (% ORE MINERALS)	ASSAY RESULTS						
NUMBER	FROM	TO	TOTAL METRES	M.S.	%	AMT LOST								
01439	2.4	6	3.6		80	0.4								
440	6	8	20m		80	0.4								
441	8	10			95	0.1								
442	10	12			90	0.2								
443	12	14			100	0								
444	14	16			95	0.1								
445	16	18			100	0								
446	18	20			90	0.2								
447	20	22			100	0								
448	22	24			100	0								
449	24	26			95	0.1								
450	26	28			100	0								
451	28	30			100	0								
452	30	32			100	0								
453	32	34			95	0.1								
454	34	36			90	0.2								
455	36	38			95	0.1								
456	38	40			90	0.2								
457	40	42			90	0.2								
458	42	44			90	0.2								
459	44	46			95	0.1								
460	46	48			95	0.1								
461	48	50			90	0.2								
462	50	52			100	0								
463	52	54			90	0.2								
01464	54	56	20m		80	0.4								

DRILL HOLE NO. AN90-6

DRILL LOG sample data

SAMPLE					CORE RECOVERY		VISUAL ESTIMATES (% ORE MINERALS)	ASSAY RESULTS						
NUMBER	FROM	TO	TOTAL METRES	M.S.	%	AMT LOST								
81465	56	58	2.0m		95	0.1								
466	58	60			95	0.1								
467	60	62			100	0								
468	62	64			100	0								
469	64	66			100	0								
470	66	68			100	0								
471	68	70			100	0								
472	70	72			100	0								
473	72	74			95	0.1								
474	74	76			100	0								
475	76	78			100	0								
476	78	80			95	0.1								
477	80	82			95	0.1								
478	82	84			100	0								
479	84	86			95	0.1								
480	86	88			100	0								
481	88	90			95	0.1								
482	90	92			100	0								
483	92	94			95	0.1								
484	94	96			100	0								
485	96	98			100	0								
486	98	100			95	0.1								
487	100	102			95	0.1								
488	102	104			90	0.2								
489	104	106			90	0.2								
81490	106	108	2.0m		90	0.2								

DRILL HOLE NO. AH90-6

DRILL LOG sample data

SAMPLE NUMBER	SAMPLE FROM	SAMPLE TO	SAMPLE TOTAL METRES	SAMPLE M.S.	CORE RECOVERY %	CORE RECOVERY AMT LOST	VISUAL ESTIMATES (% ORE MINERALS)	ASSAY RESULTS						
81491	108	110	2.0m		95	0.1								
492	110	112			95	0.1								
493	112	114			85	0.3								
494	114	116			95	0.1								
495	116	118			95	0.1								
496	118	120			100	0								
497	120	122			95	0.1								
498	122	124			100	0.2								
499	124	126			90	0.2								
81500	126	128			95	0.1								
81501	128	130			90	0.2								
502	130	132			85	0.3								
503	132	134			100	0								
504	134	136			80	0.2								
505	136	138			100	0								
506	138	140			100	0								
507	140	142			95	0.1								
508	142	144			95	0.1								
509	144	146			95	0.1								
510	146	148			90	0.2								
511	148	150			85	0.3								
512	150	152			95	0.1								
513	152	154			95	0.1								
514	154	156			90	0.2								
515	156	158			100	0								
81516	158	160	20m		100	0								

DRILL HOLE NO. AH90-6

DRILL LOG sample data

SAMPLE					CORE RECOVERY		VISUAL ESTIMATES (% ORE MINERALS)	ASSAY RESULTS						
NUMBER	FROM	TO	TOTAL METRES	M.S.	%	AMT. LOST								
81517	160	162	2		95	0.1								
81518	162	164.1	2.1		98	0.1								

DRILL HOLE NO. AH90-6

APPENDIX IV

DRILL HOLE ANALYTICAL RESULTS

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Anhorage. AH90-1

BP Resources Canada Ltd. PROJECT 10154 File # 90-4713 Page 1

700 - 890 W. Pender St., Vancouver BC V6B 4W3 Submitted by: W. PATERSON

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
C 81001 (AH90-1 ↓)	18	975	2	40	1.5	21	25	804	7.24	3	5	ND	1	173	.5	3	2	111	3.13	.124	3	58	2.28	38	.23	4	2.01	.04	.25	2	100
C 81002	2	376	7	33	1.0	11	16	862	5.18	40	5	ND	1	145	.2	3	2	106	3.25	.133	3	30	2.13	11	.19	2	2.05	.03	.05	1	35
C 81003	33	365	5	35	.9	15	17	822	5.97	2	5	ND	1	185	.8	2	2	120	3.73	.149	3	46	2.35	9	.22	3	2.01	.03	.04	5	21
C 81004	11	313	2	27	.8	8	18	677	5.25	2	5	ND	1	141	.2	2	2	108	2.66	.106	2	20	1.88	35	.20	5	1.63	.05	.12	4	17
C 81005	19	522	5	32	.8	9	19	679	5.15	2	5	ND	1	139	.2	3	2	99	3.43	.111	2	22	1.99	20	.21	4	1.84	.03	.12	2	36
C 81006	6	578	3	25	.9	11	20	676	5.17	9	5	ND	1	156	.2	2	2	94	3.38	.117	2	24	1.58	13	.20	2	1.55	.04	.10	1	220
C 81007	3	364	4	34	.9	15	20	719	5.82	4	5	ND	1	140	.2	2	2	116	2.91	.131	2	26	2.12	95	.22	3	2.09	.05	.25	1	88
C 81008	18	468	2	33	1.0	14	23	910	6.07	8	5	ND	1	229	.3	3	3	119	4.18	.131	2	29	2.16	28	.20	2	2.26	.04	.21	1	71
C 81009	28	597	3	39	1.0	17	28	815	6.56	2	5	ND	1	205	.2	2	2	126	3.30	.136	2	33	2.17	31	.19	3	2.20	.04	.16	1	33
C 81010	23	259	2	24	.6	11	18	722	5.21	6	5	ND	1	207	.2	2	2	107	3.36	.152	2	25	1.84	28	.19	2	1.91	.06	.12	1	16
C 81011	26	338	4	32	.8	20	20	713	5.16	5	5	ND	1	195	.2	2	2	112	2.74	.134	2	44	2.22	26	.19	3	1.98	.08	.16	3	17
C 81012	7	407	6	33	.8	15	22	861	5.65	2	5	ND	1	253	.2	2	2	117	3.35	.130	2	27	2.31	41	.19	2	2.12	.04	.23	2	37
C 81013	23	522	4	44	.9	17	22	912	6.17	2	5	ND	1	248	.4	2	2	125	3.97	.143	2	31	2.28	19	.16	2	2.27	.04	.21	1	38
C 81014	9	622	3	40	1.0	21	24	890	6.20	3	5	ND	1	256	.2	2	2	131	3.64	.151	2	37	2.46	36	.19	2	2.20	.06	.09	1	83
C 81015	6	729	3	31	.9	6	20	682	4.75	5	5	ND	1	216	.2	3	3	94	2.82	.183	2	12	1.64	18	.19	2	1.55	.05	.12	1	43
C 81016	14	698	6	28	.9	6	20	581	4.99	5	5	ND	1	134	.2	3	2	114	2.09	.205	3	10	1.57	66	.22	2	1.65	.09	.43	3	34
C 81017	12	726	2	25	.9	7	24	575	4.95	3	5	ND	1	177	.6	2	2	102	2.37	.182	3	12	1.71	12	.18	2	1.60	.04	.09	2	32
C 81018	9	529	2	35	.9	5	21	742	6.00	4	5	ND	1	150	.2	5	2	115	2.91	.209	3	12	2.06	45	.16	2	2.15	.05	.29	1	17
C 81019	37	701	2	28	.9	7	21	786	5.42	2	5	ND	1	216	.2	4	2	119	3.10	.202	3	12	2.05	34	.20	2	2.02	.06	.30	1	36
C 81020	5	759	3	22	.9	9	21	562	4.70	2	5	ND	1	175	.2	2	2	103	2.31	.186	3	17	1.45	33	.22	2	1.48	.06	.22	1	87
C 81021	7	504	4	24	.7	9	20	626	5.15	6	5	ND	1	193	.2	3	2	106	3.22	.185	3	18	1.55	17	.16	3	1.58	.06	.11	2	29
C 81022	12	501	9	29	.8	7	23	777	6.37	2	5	ND	1	238	.2	2	2	138	3.29	.198	2	13	2.02	30	.19	2	1.88	.05	.22	2	37
C 81023	6	482	2	32	.9	11	19	898	5.82	3	5	ND	1	247	.2	2	2	120	3.58	.160	3	27	1.92	53	.20	2	1.78	.05	.24	2	41
C 81024	8	517	2	26	.6	11	17	735	5.11	2	5	ND	1	218	.2	3	2	107	2.98	.146	3	24	1.78	24	.19	2	1.64	.06	.17	1	38
C 81025	38	1420	7	32	1.4	12	23	844	5.47	2	5	ND	1	254	.2	2	2	110	4.02	.156	3	25	1.78	13	.16	4	1.70	.04	.11	2	56
C 81026	4	633	3	28	.9	14	22	614	5.06	3	5	ND	1	157	.2	2	2	105	2.46	.158	3	30	1.66	50	.22	2	1.63	.06	.31	1	33
C 81027	7	516	2	32	.9	24	24	808	5.80	4	5	ND	1	281	.4	4	2	126	4.47	.131	3	51	2.27	53	.19	3	2.17	.06	.20	2	35
C 81028	20	619	3	29	.8	20	19	609	4.82	2	5	ND	1	232	.2	3	4	115	3.36	.130	2	43	2.03	61	.23	4	2.26	.14	.24	2	31
C 81029	3	263	2	24	.5	16	17	669	5.24	2	5	ND	1	259	.2	3	2	116	3.26	.158	2	34	1.99	31	.21	3	1.81	.06	.13	1	11
C 81030	8	591	3	29	.8	17	23	638	5.65	3	5	ND	1	214	.2	3	2	115	3.17	.156	3	38	1.84	21	.20	2	1.76	.05	.11	1	21
C 81031	15	249	4	23	.6	13	16	643	4.66	2	5	ND	1	204	.2	3	2	110	3.17	.154	2	30	1.71	40	.21	2	1.62	.09	.21	1	13
C 81032	11	468	2	16	.7	12	22	480	4.20	5	5	ND	1	223	.2	4	2	89	2.67	.168	2	18	1.34	18	.22	2	1.45	.08	.15	3	34
C 81033	9	610	4	16	1.0	14	26	403	3.97	4	5	ND	1	140	.2	3	3	84	1.97	.163	3	25	1.20	32	.24	2	1.33	.10	.25	4	88
C 81034	11	502	2	21	.7	17	23	504	4.66	4	5	ND	1	201	.3	3	2	107	2.20	.161	2	43	1.55	38	.25	2	1.50	.08	.20	2	50
C 81035	22	868	3	26	1.2	27	23	548	4.38	2	5	ND	1	159	.2	5	2	109	2.17	.148	3	61	1.88	53	.26	2	1.68	.08	.31	3	200
RE C 81032	11	469	2	19	.7	11	22	473	4.10	3	5	ND	1	221	.2	3	2	89	2.64	.166	2	20	1.32	18	.22	2	1.44	.08	.15	2	41
C 81036	18	712	5	33	.9	16	26	660	5.54	3	5	ND	1	274	.2	4	2	127	3.37	.157	2	37	1.95	16	.20	3	1.81	.05	.10	4	25
STANDARD C/AU-R	18	62	43	128	7.4	71	33	1105	4.03	39	16	8	37	54	18.8	16	17	56	.50	.100	37	60	.93	185	.08	31	1.97	.06	.13	11	520
STANDARD C	18	60	41	131	7.2	70	32	1057	3.97	41	17	8	36	53	18.9	16	22	56	.50	.097	36	59	.91	180	.08	35	1.90	.06	.13	12	-

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.
- SAMPLE TYPE: CORE

DATE RECEIVED: SEP 24 1990 DATE REPORT MAILED: Oct 1/90. SIGNED BY. C. Leong D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

AH90-1 ↓

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
C 81037	67	793	2	53	.6	5	35	854	5.76	2	5	ND	1	284	.6	2	4	154	4.73	.171	3	10	1.85	13	.12	2	1.87	.03	.09	2	18
C 81038	8	413	2	51	.2	8	23	738	5.38	2	5	ND	1	248	.5	2	4	156	3.21	.185	3	9	1.70	25	.17	2	1.82	.06	.14	1	18
C 81039	24	535	2	38	.4	5	24	582	5.05	2	5	ND	1	173	.2	2	2	144	2.17	.184	3	6	1.65	34	.22	2	1.62	.07	.21	1	16
RE C 81044	8	914	2	52	.6	7	27	749	5.91	2	5	ND	1	216	.4	2	2	159	2.72	.187	2	6	1.80	31	.19	2	1.76	.07	.26	11	35
C 81040	6	911	2	26	.4	7	29	459	5.23	3	5	ND	1	193	.2	2	2	116	2.05	.190	2	4	1.25	28	.20	2	1.29	.07	.19	2	15
C 81041	15	1108	2	49	.8	9	30	723	5.99	5	5	ND	1	278	.4	2	4	160	3.33	.182	3	13	1.93	26	.21	2	1.81	.04	.15	1	36
C 81042	5	1019	3	37	.7	2	27	709	6.23	2	5	ND	1	264	.2	2	2	174	3.45	.187	3	1	1.78	30	.21	2	1.71	.07	.20	3	42
C 81043	4	555	2	39	.2	4	25	745	5.93	4	5	ND	1	225	.2	2	7	154	3.52	.192	3	1	1.80	21	.19	2	1.80	.06	.17	3	21
C 81044	8	947	4	53	.7	7	29	773	6.12	4	5	ND	1	222	.2	2	2	164	2.81	.192	3	7	1.85	35	.19	4	1.81	.07	.26	10	36
C 81045	24	764	2	60	.5	7	27	905	6.47	2	5	ND	1	264	.8	2	2	172	3.35	.172	3	8	2.15	20	.15	2	2.19	.04	.14	1	35
C 81046	5	715	2	41	.5	2	24	802	5.43	2	5	ND	1	254	.3	2	2	160	3.59	.157	2	1	1.77	29	.22	2	1.81	.08	.20	3	56
C 81047	18	730	2	47	.7	6	26	782	5.00	2	5	ND	1	240	.4	2	2	139	2.87	.182	2	2	1.74	23	.20	2	1.66	.08	.15	2	70
C 81048	3	497	5	47	.7	6	21	901	5.75	6	5	ND	1	260	.4	2	2	149	3.61	.193	3	10	2.19	27	.25	2	1.95	.06	.16	2	43
C 81049	20	2937	3	101	3.4	9	27	938	6.16	5	5	ND	1	217	2.6	2	2	138	4.50	.201	3	5	2.63	41	.25	2	2.50	.04	.26	3	380
C 81050	15	509	2	44	.5	7	23	961	5.75	3	5	ND	1	323	.2	2	2	141	4.35	.214	4	4	2.18	39	.24	2	2.14	.07	.22	2	57
C 81051	8	260	2	47	.3	6	24	993	5.44	3	5	ND	1	288	.7	2	2	128	4.65	.204	3	3	2.23	56	.23	2	2.46	.06	.26	1	16
C 81052	26	946	2	55	1.0	9	23	949	6.07	5	5	ND	1	239	.8	2	2	151	3.29	.217	4	3	2.29	65	.27	2	2.36	.06	.36	2	100
C 81053	5	341	6	44	.3	6	19	895	5.30	2	5	ND	1	239	.3	2	2	135	3.12	.215	4	2	2.16	87	.28	2	2.10	.08	.37	1	30
C 81054	11	344	2	38	.5	8	20	824	4.94	5	5	ND	1	248	.9	2	2	121	3.71	.201	5	3	1.86	40	.20	2	1.96	.06	.24	2	12
C 81055	10	476	2	38	.4	12	18	812	5.28	6	5	ND	1	240	.2	2	2	140	3.67	.174	5	14	1.80	83	.19	2	1.87	.06	.26	1	35
C 81056	33	422	2	43	.6	9	25	916	5.64	5	5	ND	1	224	.2	2	2	135	3.46	.234	4	5	2.27	14	.22	2	2.08	.06	.10	2	56
C 81057	7	428	2	45	.5	11	27	988	6.04	7	5	ND	1	199	.5	2	2	154	3.07	.234	4	7	2.39	57	.27	2	2.13	.07	.41	1	39
C 81058	6	152	2	47	.4	9	22	1081	5.76	7	5	ND	1	227	.5	2	2	134	5.74	.235	4	5	2.09	11	.15	2	2.29	.05	.13	1	8
C 81059	9	150	2	47	.4	10	25	1168	5.95	10	5	ND	1	230	.8	2	2	136	5.72	.217	5	5	2.07	13	.15	2	2.32	.04	.21	1	6
C 81060	7	797	6	51	.9	9	33	993	6.80	12	6	ND	1	198	.4	2	2	152	4.16	.230	5	7	2.41	30	.22	2	2.49	.05	.18	1	43
C 81061	5	364	3	44	.5	13	21	861	5.41	8	5	ND	1	168	.3	2	2	139	3.26	.238	4	8	2.20	51	.26	2	2.21	.08	.46	2	28
C 81062	30	369	2	44	.6	6	25	956	6.18	6	5	ND	1	334	.9	2	2	160	3.66	.233	3	7	2.23	21	.21	2	2.28	.10	.16	2	80
C 81063	4	98	5	49	.3	8	22	1073	6.01	4	5	ND	1	368	.3	2	2	152	4.15	.219	3	5	2.38	24	.20	2	2.33	.10	.19	1	5
C 81064	5	254	2	51	.3	10	23	1101	6.01	5	5	ND	1	418	.5	2	2	152	5.36	.228	3	5	2.30	8	.21	4	2.29	.05	.08	1	9
C 81065	6	208	2	41	.4	8	20	960	4.96	5	5	ND	1	283	.7	2	2	139	5.08	.216	3	5	2.01	17	.22	2	1.92	.07	.16	2	34
C 81066	13	486	2	36	.6	10	22	687	4.55	2	5	ND	1	160	.2	2	2	119	2.21	.235	3	4	1.79	33	.25	2	1.69	.12	.31	1	57
C 81067	77	363	8	37	.7	11	22	642	4.65	8	5	ND	1	133	.6	2	2	120	2.28	.238	4	5	1.62	50	.26	2	1.56	.09	.42	1	21
C 81068	30	308	5	34	.5	4	17	731	4.39	6	9	ND	1	170	.2	2	2	115	2.84	.232	4	5	1.59	37	.25	2	1.51	.11	.31	1	18
C 81069	47	965	5	48	1.1	11	25	824	5.38	8	5	ND	1	180	.4	2	2	130	3.45	.231	5	5	1.85	53	.26	2	1.75	.08	.27	2	58
C 81070	70	923	2	68	1.5	12	35	934	6.84	10	5	ND	1	168	1.3	2	2	153	2.47	.228	4	5	2.45	66	.31	2	2.22	.06	.45	1	65
C 81071	23	234	2	38	.7	9	16	822	4.07	10	5	ND	7	218	.5	2	2	107	3.63	.160	5	5	1.42	39	.20	4	1.52	.09	.30	1	13
C 81072	3	88	8	4	.2	7	2	112	.75	3	33	ND	29	23	.2	2	2	7	.29	.005	8	5	.07	3	.01	2	.24	.05	.07	1	3
STANDARD C/AU-R	20	57	38	136	8.0	72	32	1144	3.95	40	22	8	40	55	18.1	14	17	61	.50	.094	40	60	.98	190	.08	36	2.04	.06	.13	11	530
STANDARD C	18	62	37	131	6.8	68	31	1045	3.93	42	20	7	38	52	18.3	15	19	55	.45	.092	37	56	.87	181	.08	34	1.87	.06	.14	11	-

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
C 81073 A190-1	11	74	9	3	.3	4	1	156	.52	2	30	ND	24	49	.2	2	2	3	1.06	.002	7	3	.05	4	.01	2	.18	.04	.07	1	8
C 81074	2	71	11	3	.3	4	1	93	.55	2	29	ND	25	21	.2	2	2	2	.29	.001	7	3	.05	4	.01	3	.18	.04	.08	1	10
C 81075	2	59	7	2	.2	3	1	212	.48	2	27	ND	21	65	.2	2	2	2	1.69	.002	6	3	.04	3	.01	3	.15	.03	.06	1	2
C 81076	3	173	6	9	.5	5	4	208	1.28	2	25	ND	20	65	.2	2	2	24	1.12	.029	6	5	.27	10	.03	3	.43	.04	.11	1	31
C 81077	14	269	2	37	.5	9	17	583	4.29	2	5	ND	1	230	.2	2	2	111	2.03	.149	5	9	1.63	79	.20	4	1.74	.05	.59	1	12
C 81078	5	183	2	34	.5	8	14	623	4.08	2	5	ND	1	302	.2	2	2	113	1.85	.153	3	8	1.66	118	.26	5	1.78	.07	.69	1	15
C 81079	3	202	2	29	.4	7	14	490	3.62	2	5	ND	1	319	.2	2	2	98	1.26	.156	3	7	1.34	121	.26	5	1.48	.07	.68	1	8
C 81080	10	236	2	27	.4	8	21	461	3.89	2	5	ND	1	93	.2	2	2	101	1.05	.158	3	8	1.26	79	.26	5	1.40	.07	.61	1	19
C 81081	2	196	2	34	.5	8	14	656	4.25	2	5	ND	1	127	.2	2	2	116	2.09	.161	3	8	1.37	40	.22	4	1.47	.06	.31	1	15
C 81082	20	204	2	30	.3	6	15	659	4.26	2	5	ND	1	162	.2	2	2	112	2.53	.162	3	6	1.19	26	.20	4	1.41	.07	.22	1	12
C 81083	3	159	2	27	.4	7	15	528	3.66	7	5	ND	1	140	.2	2	2	96	1.54	.168	3	7	1.21	35	.22	7	1.32	.08	.33	1	15
RE C 81080	10	238	2	28	.5	8	21	470	4.00	2	5	ND	1	94	.2	2	2	103	1.07	.161	3	9	1.28	80	.26	7	1.42	.08	.62	1	23
C 81084	8	408	2	31	.5	8	14	615	3.93	3	5	ND	1	108	.2	2	2	106	1.72	.162	3	7	1.48	30	.23	6	1.56	.06	.34	1	51
C 81085	7	247	2	22	.3	7	13	475	3.27	3	5	ND	1	123	.2	2	2	81	1.52	.165	3	6	1.10	23	.20	5	1.37	.11	.34	1	12
C 81086	4	271	2	26	.4	7	15	531	3.64	6	5	ND	1	144	.2	2	2	89	1.86	.159	3	6	1.20	16	.19	5	1.24	.08	.23	1	13
C 81087	7	323	2	25	.5	7	14	425	3.30	3	5	ND	1	83	.2	2	2	96	1.29	.166	3	5	1.18	24	.21	6	1.26	.07	.31	1	16
C 81088	14	469	2	31	.5	6	18	541	3.82	2	5	ND	1	166	.2	2	2	94	2.14	.157	3	4	1.22	40	.20	5	1.50	.08	.24	1	19
C 81089	4	439	2	28	.5	7	19	410	3.93	2	5	ND	1	135	.2	2	2	89	1.08	.167	3	6	1.08	65	.23	6	1.26	.07	.52	1	8
C 81090	5	626	2	24	.6	8	16	348	3.57	2	5	ND	1	73	.2	2	2	74	1.48	.161	4	6	.97	14	.18	4	1.11	.06	.14	1	20
C 81091	4	653	2	24	.7	19	19	427	3.89	6	5	ND	1	125	.2	2	2	89	2.01	.148	3	46	1.44	17	.14	5	1.45	.06	.12	1	18
C 81092	10	707	2	30	.7	17	22	483	4.20	2	5	ND	1	128	.2	2	2	105	2.04	.146	3	43	1.53	14	.17	4	1.47	.06	.13	3	28
C 81093	28	1696	2	29	1.3	11	29	488	5.37	2	5	ND	1	116	.2	2	2	103	1.98	.152	4	9	1.35	11	.17	4	1.44	.05	.15	2	47
STANDARD C/AU-R	17	57	38	122	6.6	65	30	997	3.90	37	16	7	37	50	18.0	15	19	54	.44	.089	39	52	.86	169	.08	33	1.79	.06	.14	11	530
STANDARD C	18	57	38	131	7.1	70	32	1053	3.95	36	18	7	39	53	18.9	15	19	57	.47	.092	38	58	.90	181	.08	39	1.91	.06	.13	12	-

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

BP Resources Canada Ltd. PROJECT 10154 File # 90-4860 Page 1

700 - 890 W. Pender St., Vancouver BC V6B 4W3 Submitted by: W. PATERSON

AH DATA

AH90-2 ↓

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
C 81094	2	232	6	31	.9	24	22	616	4.89	3	5	ND	1	139	.3	4	2	114	2.94	.129	3	74	2.46	33	.21	3	1.81	.06	.10	3	20
C 81095	3	236	6	24	.7	16	14	524	3.82	4	5	ND	1	140	.5	4	2	97	2.53	.118	2	47	1.87	26	.20	3	1.43	.06	.14	3	23
C 81096	8	257	5	29	.9	21	17	616	4.71	3	5	ND	1	138	.4	4	7	111	3.12	.134	2	56	2.24	61	.21	2	1.67	.06	.16	2	15
C 81097	7	456	2	35	.9	16	17	799	5.23	2	5	ND	1	163	.9	4	2	119	3.55	.150	3	41	2.34	18	.22	2	2.07	.04	.13	3	98
C 81098	14	762	2	25	.8	7	14	545	4.14	4	5	ND	1	90	1.2	2	2	86	2.52	.088	2	12	1.50	33	.15	2	1.31	.04	.11	2	32
C 81099	7	760	3	37	1.2	16	15	673	5.25	3	5	ND	1	109	1.1	4	3	126	2.81	.153	3	37	2.01	39	.22	2	1.68	.05	.16	4	53
C 81100	3	796	6	38	1.1	14	14	680	4.49	2	5	ND	1	138	.6	6	3	114	3.01	.146	3	37	1.91	20	.19	2	1.51	.06	.14	2	4
C 81101	3	354	2	30	.7	14	15	740	5.66	2	5	ND	1	146	.4	6	2	132	3.19	.139	3	34	1.84	13	.18	2	1.63	.03	.11	1	26
C 81102	14	703	5	22	.9	11	14	638	4.62	4	5	ND	1	147	.5	6	3	110	3.55	.117	4	28	1.46	7	.14	2	1.40	.03	.06	3	39
C 81103	6	472	5	27	.9	14	15	830	5.53	2	5	ND	1	187	.6	3	2	127	4.08	.130	3	35	2.09	10	.17	2	1.82	.03	.09	3	45
C 81104	44	247	2	39	.7	15	17	868	6.24	2	5	ND	1	179	.3	3	2	141	3.79	.149	2	39	2.50	13	.15	3	2.26	.02	.19	2	12
C 81105	37	197	2	33	.7	17	16	862	6.03	6	5	ND	1	167	.4	5	2	136	4.60	.140	4	47	2.45	8	.10	2	2.23	.02	.09	1	7
C 81106	6	357	6	31	.8	14	18	834	6.34	4	5	ND	1	181	.2	5	2	138	4.28	.183	4	32	2.45	31	.11	2	2.41	.02	.27	2	18
RE C 81111	4	337	3	35	.9	8	18	644	5.34	5	5	ND	1	94	.4	5	2	126	1.95	.199	3	12	1.76	59	.23	3	1.71	.10	.52	3	9
C 81107	4	325	2	38	.8	6	19	802	6.54	2	5	ND	1	153	.2	5	2	150	3.68	.194	3	19	2.46	75	.19	2	2.33	.03	.43	3	74
C 81108	2	378	2	30	.8	8	16	771	5.07	6	5	ND	1	171	.4	4	2	101	5.10	.159	5	18	1.73	10	.09	2	1.70	.03	.12	1	75
C 81109	3	472	2	38	1.0	14	18	932	5.95	4	5	ND	1	183	.6	5	2	133	5.77	.151	3	42	2.16	9	.16	3	1.87	.04	.08	2	25
C 81110	4	419	2	33	.8	10	17	668	5.10	5	5	ND	1	138	.4	5	2	116	2.97	.178	4	17	1.83	10	.16	2	1.64	.04	.13	1	30
C 81111	3	334	2	34	.8	5	18	645	5.46	2	5	ND	1	95	.5	5	2	127	1.95	.200	3	14	1.76	59	.23	2	1.70	.10	.52	3	11
C 81112	2	272	2	31	.6	6	16	537	4.77	3	5	ND	1	76	.3	3	2	123	1.68	.212	3	15	1.44	49	.23	2	1.45	.10	.47	3	10
C 81113	3	255	2	27	.7	7	17	629	5.07	2	5	ND	1	172	.6	5	2	118	2.59	.203	3	19	1.43	10	.23	3	1.42	.08	.16	4	2
C 81114	13	365	2	22	.6	8	17	571	4.64	5	5	ND	1	146	.4	4	3	109	2.48	.209	4	16	1.23	11	.21	4	1.22	.08	.18	5	8
C 81115	6	318	2	32	.6	7	14	707	5.14	6	5	ND	1	156	.2	6	2	120	2.66	.179	4	17	1.60	14	.16	2	1.61	.07	.18	4	12
C 81116	8	461	4	44	.8	9	15	937	5.91	3	5	ND	1	193	.2	4	2	139	3.65	.174	5	22	1.77	11	.09	2	1.78	.04	.15	2	34
C 81117	1	306	2	43	.7	10	15	893	6.17	9	5	ND	1	146	.4	5	2	141	2.83	.166	4	22	1.82	16	.17	3	1.86	.06	.16	2	45
C 81118	2	372	4	31	.7	9	14	648	4.80	2	5	ND	1	163	.5	4	2	119	2.60	.176	3	26	1.58	21	.18	3	1.44	.07	.22	3	16
C 81119	8	718	2	29	.9	15	20	478	3.98	4	5	ND	1	101	.7	5	2	103	2.00	.167	2	54	1.50	34	.23	2	1.39	.14	.33	3	47
C 81120	45	440	4	37	.7	14	25	624	5.48	3	5	ND	1	154	.4	4	2	125	2.86	.156	2	35	1.71	35	.20	2	1.70	.08	.28	6	15
C 81121	3	472	17	30	.7	14	18	514	4.01	2	5	ND	1	122	.7	7	2	102	2.44	.169	2	47	1.42	16	.23	2	1.40	.11	.17	4	28
C 81122	3	848	2	29	1.0	14	24	508	4.79	3	5	ND	1	111	.4	6	2	108	2.36	.169	2	45	1.47	17	.24	3	1.42	.12	.20	2	5
C 81123	4	464	2	20	.6	9	16	393	3.84	2	5	ND	1	61	.2	4	2	94	1.57	.166	3	32	1.00	15	.24	3	1.07	.12	.26	3	9
C 81124	5	574	3	19	.7	10	27	406	4.40	8	5	ND	1	63	.7	3	2	91	1.36	.161	3	27	1.01	14	.24	3	1.07	.10	.17	2	2
C 81125	26	328	4	33	.5	12	15	529	4.42	8	5	ND	1	91	.5	4	2	111	1.69	.165	3	33	1.38	15	.22	3	1.45	.09	.17	2	2
C 81126	23	820	2	37	.9	4	14	492	3.65	5	5	ND	1	89	.5	2	2	97	2.27	.180	2	14	1.06	23	.18	3	1.29	.11	.24	2	34
C 81127	2	399	2	42	.5	4	16	484	3.78	3	5	ND	1	107	.2	4	4	96	2.28	.184	2	8	.98	17	.15	2	1.22	.11	.19	1	1
C 81128	4	485	3	36	.6	6	14	410	3.34	6	5	ND	1	99	.2	2	2	92	1.96	.181	2	17	.93	19	.15	3	1.30	.15	.20	2	5
C 81129	21	674	2	35	.8	8	17	542	4.33	2	5	ND	1	114	.8	4	2	108	2.10	.156	2	14	1.38	31	.18	2	1.57	.12	.27	2	4
STANDARD C/AU-R	18	58	35	135	7.4	74	31	1052	4.05	42	18	8	40	52	17.9	19	19	56	.44	.096	37	61	.92	180	.08	33	1.92	.06	.14	11	490
STANDARD C	19	60	39	132	7.0	73	31	1054	3.99	44	17	8	39	53	18.5	18	21	55	.46	.093	38	60	.90	181	.08	38	1.90	.07	.14	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.
- SAMPLE TYPE: CORE

DATE RECEIVED: SEP 27 1990 DATE REPORT MAILED: Oct 2/90. SIGNED BY. C. Leong D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

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
C 81130 AHO-2 ↓	2	357	13	52	.5	7	20	768	5.49	4	5	ND	1	199	.5	3	2	121	3.29	.161	2	14	1.83	14	.10	3	1.87	.05	.09	2	6
C 81131	3	505	9	37	.4	10	18	471	3.75	2	5	ND	1	127	.7	2	2	75	1.83	.166	2	11	1.35	11	.12	2	1.38	.04	.07	3	2
C 81132	7	384	5	53	.4	9	20	777	5.73	8	5	ND	1	199	.2	3	2	120	3.18	.177	3	17	1.76	16	.11	2	1.85	.05	.10	1	5
C 81133	2	377	5	43	.5	10	22	806	5.68	6	5	ND	1	215	.4	2	2	117	3.50	.158	2	16	2.10	9	.08	3	1.99	.02	.09	1	35
C 81134	23	306	9	13	.4	3	8	342	2.20	4	7	ND	18	124	.2	2	3	33	1.47	.040	6	8	.49	7	.01	3	.78	.03	.10	1	8
C 81135	7	475	4	50	.6	10	21	927	5.66	5	5	ND	1	294	.2	3	2	113	6.13	.108	3	34	2.21	6	.04	3	1.97	.02	.07	2	36
C 81136	1	259	2	45	.4	15	22	976	6.61	6	5	ND	1	324	.2	2	2	136	4.02	.152	4	45	2.43	24	.08	3	2.45	.03	.21	1	37
C 81137	1	144	2	54	.4	8	13	861	4.89	4	5	ND	1	185	.5	3	2	100	3.56	.119	5	27	1.59	17	.11	4	1.52	.05	.12	1	28
C 81138	38	241	7	58	.4	12	16	912	4.90	5	5	ND	1	203	.2	3	2	105	4.35	.131	4	32	1.83	16	.10	2	1.71	.03	.13	1	31
C 81139	4	96	7	53	.1	5	10	812	3.60	2	5	ND	2	119	.2	2	2	79	2.03	.100	4	10	1.08	17	.08	3	1.04	.05	.06	1	5
C 81140	2	96	6	56	.2	7	10	687	4.02	5	5	ND	3	80	.2	2	2	88	1.38	.108	6	14	1.07	38	.12	2	1.09	.06	.19	1	14
C 81141	22	411	7	38	.5	12	17	674	4.56	7	5	ND	1	151	.6	2	2	111	2.05	.158	3	31	1.66	17	.15	3	1.57	.06	.22	1	44
C 81142	2	215	3	29	.4	11	14	688	4.55	5	5	ND	1	144	.4	2	3	108	2.30	.153	3	29	1.59	16	.18	3	1.50	.09	.17	2	23
C 81143	2	166	8	32	.3	10	14	768	4.41	2	5	ND	1	191	.2	4	2	111	2.69	.141	2	29	1.84	16	.15	3	1.51	.06	.14	2	14
C 81144	1	135	2	32	.2	10	13	777	4.53	4	5	ND	1	208	1.1	3	2	106	3.12	.143	2	30	1.80	11	.17	3	1.48	.07	.13	2	20
C 81145	1	263	2	37	.4	11	21	833	6.22	4	5	ND	1	193	.4	2	2	137	3.57	.139	2	30	2.09	39	.16	2	2.07	.05	.32	1	26
C 81146	2	252	9	33	.4	16	18	816	5.76	4	5	ND	1	217	.5	2	2	127	4.27	.120	2	40	2.37	29	.17	2	2.14	.05	.23	1	100
C 81147	4	254	2	19	.2	10	14	473	3.45	2	5	ND	1	138	.5	4	2	86	3.28	.135	2	22	1.06	30	.18	2	1.04	.07	.21	1	64
C 81148	4	445	2	27	.6	10	14	589	3.96	4	5	ND	1	132	.8	4	2	103	2.44	.136	2	31	1.51	17	.20	2	1.29	.07	.15	2	68
C 81149	2	490	5	49	.6	12	19	671	5.92	3	5	ND	1	158	.2	3	2	143	2.53	.144	2	35	2.17	19	.20	3	1.90	.05	.18	1	35
C 81150	17	465	6	59	.6	9	18	851	5.31	3	5	ND	1	194	.7	5	2	124	5.31	.124	3	35	1.83	15	.15	2	1.77	.03	.18	58	71
RE C 81146	2	258	8	33	.4	17	19	829	5.92	4	5	ND	1	222	.6	2	2	130	4.32	.123	2	44	2.40	30	.17	3	2.17	.05	.24	1	120
C 81151	1	339	4	45	.4	12	19	746	6.17	6	5	ND	1	190	.4	3	2	129	4.76	.132	3	33	2.09	13	.17	2	1.99	.04	.16	1	18
C 81152	1	228	5	30	.4	30	19	569	3.88	5	5	ND	1	255	.6	2	2	113	3.26	.074	2	81	2.60	85	.19	3	2.50	.14	.40	2	3
C 81153	1	243	10	39	.5	35	15	731	3.90	3	5	ND	1	337	.7	3	2	115	5.32	.057	2	96	2.61	72	.15	3	2.36	.10	.37	1	9
C 81154	4	442	3	37	.5	13	17	814	5.18	2	5	ND	1	280	.5	4	2	127	5.60	.121	2	30	2.09	17	.15	3	1.92	.06	.16	1	7
C 81155	94	1114	5	40	1.4	12	20	790	6.15	2	5	ND	1	249	.7	2	2	150	4.52	.139	2	35	2.12	28	.17	2	1.98	.04	.23	1	180
C 81156	10	676	6	30	.7	11	19	680	4.65	2	5	ND	1	212	.7	3	2	121	2.56	.145	2	30	2.17	27	.19	3	1.68	.05	.24	1	95
C 81157	2	364	3	24	.7	10	15	429	3.33	3	5	ND	2	81	.7	2	2	96	1.45	.160	2	33	1.17	47	.22	4	1.32	.11	.39	2	62
C 81158	6	252	2	16	.3	9	14	388	3.34	3	5	ND	2	107	.8	2	2	88	1.83	.162	2	25	1.11	39	.20	2	1.34	.11	.32	2	54
C 81159	14	395	2	23	.4	7	16	411	4.39	4	5	ND	1	71	.4	5	2	90	1.80	.168	3	16	1.20	72	.24	4	1.38	.08	.51	1	47
C 81160	43	414	2	19	.4	8	14	414	3.79	3	5	ND	1	106	.7	3	2	81	1.70	.180	3	20	1.10	40	.23	2	1.30	.09	.33	2	55
C 81161	4	517	2	18	.7	11	16	315	3.50	4	5	ND	2	115	.8	2	2	61	1.53	.171	2	23	.93	33	.22	2	1.16	.07	.29	4	55
C 81162	13	249	6	12	.2	8	11	251	2.27	3	5	ND	2	141	.9	2	2	48	1.61	.186	2	12	.62	20	.20	2	1.10	.07	.21	2	73
C 81163	3	192	2	17	.3	7	13	379	2.96	2	5	ND	1	109	1.1	3	2	67	1.54	.179	2	26	.97	27	.22	2	1.26	.10	.24	2	31
C 81164	21	209	4	16	.1	7	13	338	2.57	2	5	ND	2	172	.7	2	2	48	2.18	.172	2	13	.73	12	.19	2	1.08	.08	.13	1	12
C 81165	1	195	11	18	.2	8	15	443	3.71	2	5	ND	1	143	.6	2	2	77	2.11	.159	2	21	1.21	12	.21	2	1.30	.07	.15	2	3
STANDARD C/AU-R	18	57	35	123	6.7	66	30	1021	3.90	38	16	7	37	47	17.9	15	19	55	.46	.090	37	58	.84	168	.08	32	1.77	.06	.14	13	520
STANDARD C	19	61	37	131	6.9	70	31	1057	3.95	41	17	7	39	53	18.5	15	22	55	.47	.094	38	58	.90	181	.07	35	1.89	.07	.14	11	-

SAMPLE# AH90-2	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
C 81166	1	310	5	21	.6	11	15	558	4.40	5	5	ND	1	122	.9	4	2	94	2.42	.158	3	22	1.35	17	.23	2	1.45	.08	.21	1	1
C 81167	2	368	2	28	.6	8	14	384	3.53	2	5	ND	1	103	1.0	3	2	72	1.78	.159	2	15	.83	13	.22	2	1.03	.10	.19	1	29
C 81168	4	619	3	22	.9	12	17	356	3.07	3	5	ND	1	186	1.1	4	2	69	2.21	.162	2	33	1.05	12	.12	2	1.21	.10	.10	1	9
C 81169	2	567	2	18	.8	13	17	337	2.96	2	5	ND	1	116	.9	3	2	68	2.17	.160	2	30	.89	16	.12	2	1.02	.10	.11	1	1
C 81170	19	259	2	20	.5	12	15	391	2.66	5	5	ND	1	217	.9	3	2	68	2.74	.170	2	35	1.23	8	.11	2	1.30	.08	.08	1	1
C 81171	13	336	3	22	.7	12	16	492	3.43	4	5	ND	1	162	.8	3	2	80	4.21	.148	3	37	1.26	14	.12	3	1.22	.08	.10	1	1
C 81172	3	625	3	31	.8	20	23	459	4.12	7	5	ND	1	185	.8	4	2	79	2.86	.168	2	44	1.83	10	.14	4	1.75	.07	.09	1	1
C 81173	2	120	2	19	.3	11	11	330	2.19	3	5	ND	1	325	1.0	2	2	57	2.64	.156	3	26	.92	12	.20	2	1.73	.12	.12	2	1

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

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700 - 890 W. Pender St., Vancouver BC V6B 4W3 Submitted by: W. PATERSON

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
C 81174 AH90-3	3	29	3	36	.1	4	12	558	2.19	2	5	ND	1	43	.7	2	2	50	1.47	.064	5	8	1.00	102	.10	3	1.24	.05	.76	1	9
C 81175	2	126	5	43	.1	7	14	585	2.39	2	5	ND	1	44	.5	2	2	47	1.58	.064	6	10	.97	89	.08	2	1.21	.05	.68	1	11
C 81176	2	31	14	44	.1	6	15	533	2.30	16	5	ND	1	46	.5	4	2	39	1.70	.065	7	7	.78	66	.06	12	.95	.05	.49	1	9
C 81177	1	127	3	44	.3	5	18	492	2.19	4	5	ND	1	43	.4	3	2	42	1.62	.062	7	6	.84	70	.07	3	1.04	.05	.54	1	1
C 81178	1	144	9	49	.3	5	12	492	2.33	5	5	ND	1	54	.7	5	2	44	1.75	.062	9	6	.91	74	.05	18	1.15	.04	.45	1	24
C 81179	2	198	220	175	1.3	3	13	677	2.44	13	5	ND	1	50	3.2	3	3	34	2.28	.058	7	4	.73	57	.05	18	.96	.04	.40	1	6
C 81180	1	51	8	50	.1	5	11	536	2.37	11	5	ND	1	52	.7	2	2	37	1.75	.061	7	6	.73	61	.05	2	.91	.04	.36	1	2
C 81181	1	87	5	52	.1	4	11	604	2.26	2	5	ND	1	64	.4	2	2	32	2.49	.064	8	5	.75	51	.02	2	1.07	.03	.26	1	21
C 81182	1	43	5	23	.1	3	6	639	1.25	3	5	ND	1	67	.2	2	2	7	3.52	.064	9	2	.31	36	.01	2	.74	.01	.25	1	6
C 81183	1	41	5	31	.4	5	11	717	1.65	2	5	ND	1	78	.4	4	2	10	4.07	.058	10	3	.36	37	.01	2	.73	.01	.21	1	4
RE C 81188	3	523	81	116	2.5	6	16	703	2.61	23	5	ND	1	59	1.8	5	4	27	2.17	.062	4	5	.76	47	.07	10	1.03	.04	.40	1	37
C 81184	1	149	489	402	10.0	7	16	1259	2.77	46	5	ND	1	76	12.2	2	2	16	5.02	.056	9	3	.75	24	.01	8	.98	.02	.17	1	160
C 81185	1	37	134	98	.7	5	6	1020	1.87	6	5	ND	1	76	1.3	5	2	18	3.82	.061	5	7	.69	46	.05	2	.97	.03	.22	1	9
C 81186	1	91	2	47	.2	6	5	850	1.92	6	5	ND	1	74	.3	5	2	20	2.66	.061	5	5	.70	55	.04	2	1.03	.03	.30	1	5
C 81187	1	281	2	64	.2	5	7	857	2.16	3	6	ND	1	67	.5	2	2	23	2.41	.063	4	4	.84	207	.08	3	1.27	.04	.50	1	10
C 81188	4	536	86	116	2.7	6	17	710	2.68	26	5	ND	1	59	2.0	4	2	27	2.20	.062	4	5	.76	46	.07	2	1.03	.03	.39	2	41
C 81189	1	155	8	49	.3	51	25	754	4.42	7	5	ND	1	143	.5	3	3	107	5.28	.152	4	165	2.91	175	.11	3	2.28	.02	.46	1	14
C 81190	1	63	2	43	.1	90	35	840	5.94	8	5	ND	1	297	1.6	2	2	171	6.42	.228	2	326	4.95	525	.20	6	3.99	.02	1.34	1	2
C 81191	1	180	6	46	.2	77	28	877	5.59	8	5	ND	1	231	1.0	2	2	140	8.63	.192	2	295	3.91	185	.15	2	3.22	.02	.53	1	1
C 81192	1	309	2	53	.3	68	24	953	5.50	7	5	ND	1	197	1.0	2	2	151	8.70	.187	2	303	3.85	284	.14	2	3.64	.02	1.02	1	120
C 81193	440	2551	16	124	4.1	42	40	875	8.81	20	5	2	1	99	2.2	2	2	122	3.58	.157	3	224	2.76	44	.08	2	2.91	.02	.83	1	1330
C 81194	3	787	40	90	2.1	13	15	515	2.95	13	5	ND	1	56	1.6	3	2	44	2.09	.073	6	11	.96	34	.01	2	.96	.04	.17	1	250
C 81195	6	26	10	36	.9	4	12	432	2.84	7	5	ND	1	67	.2	2	2	43	2.14	.062	6	6	.84	41	.02	2	1.06	.03	.26	1	240
C 81196	2	57	2	45	.2	20	15	551	3.03	6	5	ND	1	63	.2	2	2	62	2.21	.064	8	44	1.33	104	.06	2	1.47	.04	.57	1	150
C 81197	1	32	412	632	1.1	5	11	483	2.65	42	5	ND	1	57	15.3	2	2	38	1.99	.064	9	8	.69	35	.01	2	.83	.05	.15	1	75
C 81198	1	12	2	27	.1	6	7	461	2.44	7	5	ND	1	81	.5	2	2	48	2.13	.062	9	9	.87	38	.01	2	.96	.05	.16	1	12
C 81199	1	10	132	189	.4	5	9	502	2.50	17	7	ND	1	55	4.0	2	2	41	1.80	.064	10	8	.87	30	.01	2	.87	.05	.11	1	5
C 81200	2	23	3	25	.1	7	9	434	2.42	2	5	ND	1	64	.3	2	2	43	2.15	.063	9	9	.85	25	.01	2	.95	.04	.09	1	34
C 81201	4	18	9	35	.1	5	7	463	1.91	4	5	ND	1	76	.2	2	2	41	2.39	.057	7	8	.79	29	.01	2	.84	.04	.08	1	4
C 81202	1	15	4	30	.2	9	8	403	2.35	2	5	ND	1	60	.5	3	2	46	1.89	.063	9	11	.77	32	.01	2	.92	.05	.11	1	2
C 81203	1	17	3	23	.1	5	9	361	2.37	3	5	ND	1	56	.2	2	2	50	1.95	.060	9	6	.70	30	.02	3	.84	.05	.20	1	8
C 81204	2	60	74	31	.2	5	5	370	2.34	2	7	ND	1	52	.4	2	2	52	2.06	.067	7	7	.73	32	.02	2	.82	.04	.20	1	9
C 81205	3	195	37	28	.1	9	7	378	2.31	2	7	ND	1	64	.5	2	2	51	1.77	.066	7	25	.88	42	.03	2	1.02	.05	.35	1	15
C 81206	1	13	7	27	.1	5	6	362	2.38	5	6	ND	1	58	.2	2	2	50	1.54	.066	8	7	.89	34	.01	3	.90	.05	.13	1	7
C 81207	3	76	4	21	.1	9	10	361	2.49	2	5	ND	1	65	.4	2	2	55	1.98	.067	7	22	.93	26	.02	2	.89	.05	.08	1	20
C 81208	1	161	2	29	.2	7	7	410	2.60	2	5	ND	1	53	.6	2	2	57	1.99	.067	7	7	1.00	26	.03	2	1.01	.04	.17	1	40
C 81209	2	37	2	25	.1	9	6	364	2.39	2	7	ND	1	64	.3	2	2	63	2.17	.070	6	19	1.01	27	.04	13	.97	.05	.08	1	8
STANDARD C/AU-R	19	59	35	132	6.8	68	32	1039	3.89	38	17	6	37	52	18.4	18	18	57	.44	.097	38	58	.87	181	.08	32	1.86	.06	.14	13	500
STANDARD C	19	59	39	133	7.1	70	32	1050	3.95	42	19	7	39	52	19.0	15	18	57	.45	.095	39	59	.89	183	.08	34	1.88	.06	.13	13	-

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.
- SAMPLE TYPE: CORE AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: OCT 1 1990 DATE REPORT MAILED: Oct 5/90. SIGNED BY. D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

AH90-3

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
C 81210	1	28	2	31	.1	4	8	435	2.60	2	5	ND	1	69	.4	2	6	61	2.40	.069	5	6	1.01	19	.02	2	.99	.03	.11	1	4
C 81211	11	19	16	60	.1	11	7	425	2.01	14	5	ND	1	64	.6	2	2	40	2.26	.062	5	19	.76	28	.01	2	.84	.04	.17	1	2
C 81212	1	11	2	32	.1	4	6	407	2.24	6	5	ND	1	72	.2	2	2	45	2.27	.063	8	8	.88	26	.01	3	.96	.04	.09	1	1
C 81213	3	39	2	34	.1	7	5	358	2.20	2	5	ND	1	60	.2	2	2	44	1.85	.064	9	21	.91	25	.01	3	1.00	.05	.08	1	3
C 81214	4	351	5	28	.2	5	6	360	2.24	2	5	ND	1	62	.4	2	3	46	1.69	.064	8	8	.84	23	.01	4	.87	.05	.08	1	1
C 81215	4	99	2	27	.1	9	5	401	2.01	3	5	ND	1	70	.2	2	2	43	2.08	.062	8	21	.79	32	.01	4	.85	.04	.12	1	2
C 81216	5	360	1292	238	4.9	6	6	509	1.92	26	5	ND	1	64	5.6	2	4	29	1.98	.068	6	6	.80	21	.01	2	.90	.04	.14	1	340
C 81217	7	70	283	222	1.4	11	7	604	2.02	16	5	ND	1	71	3.2	2	2	32	2.53	.065	6	20	.94	17	.01	3	1.12	.04	.18	1	1
C 81218	17	47	29	126	.7	8	9	497	2.65	14	5	ND	1	64	.6	2	2	31	2.19	.077	4	4	.94	28	.01	3	1.08	.03	.14	1	2
C 81219	2	14	11	87	.2	11	8	716	3.62	7	5	ND	1	84	.6	2	6	87	3.45	.077	5	28	1.81	79	.04	3	1.83	.03	.20	1	7
C 81220	1	107	5	91	.4	22	13	1008	5.88	3	5	ND	1	99	1.2	2	3	156	4.32	.095	2	59	3.11	206	.15	2	3.14	.02	.57	1	20
C 81221	6	77	14	83	.6	9	17	524	2.99	2	5	ND	1	87	.5	2	5	48	3.07	.073	5	20	.98	43	.01	2	1.20	.04	.14	1	2
C 81222	1	22	8	92	.3	8	8	480	2.32	8	5	ND	1	77	.2	2	2	33	2.36	.062	6	9	.81	23	.01	4	.97	.04	.09	1	1
C 81223	53	42	9	72	.6	8	6	446	1.42	2	5	ND	2	91	.2	2	3	21	3.15	.067	5	16	.56	19	.01	3	.74	.04	.09	1	1
C 81224	11	103	199	937	1.6	11	14	670	3.90	14	5	ND	1	108	130.0	2	3	76	4.40	.088	4	18	1.72	16	.01	3	1.85	.02	.07	1	1
C 81225	6	357	4	61	.7	19	24	876	6.57	25	5	ND	1	127	.8	2	6	114	5.88	.116	4	50	2.91	50	.01	5	3.10	.01	.12	1	1
C 81226	1	624	10	41	.7	6	22	666	5.50	2	5	ND	1	155	1.4	2	2	69	6.00	.141	8	13	1.92	161	.01	2	2.19	.02	.15	1	33
C 81227	2	598	7	36	.8	3	22	534	5.43	4	5	ND	1	153	.7	2	2	57	4.02	.160	9	2	1.62	123	.01	3	2.09	.02	.18	4	88
C 81228	2	209	7	41	.5	7	17	771	5.05	6	5	ND	1	213	.9	2	2	67	7.87	.132	6	16	1.88	77	.01	5	2.27	.02	.14	1	18
C 81229	3	274	6	27	.3	1	11	432	4.86	2	5	ND	1	161	.6	2	2	46	3.77	.161	8	2	1.50	147	.01	3	2.02	.03	.19	1	14
C 81230	13	529	7	26	.7	4	18	455	4.38	6	5	ND	1	191	.5	2	2	36	4.68	.152	8	1	1.28	173	.01	3	1.87	.02	.19	1	37
C 81231	6	85	3	17	.3	6	7	369	2.26	3	5	ND	1	151	.2	2	2	21	3.58	.068	9	11	.61	216	.01	3	1.04	.03	.16	1	25
C 81232	8	139	6	19	.3	4	7	314	2.40	5	5	ND	1	91	.2	2	2	28	2.14	.071	10	4	.72	31	.01	3	1.07	.04	.11	1	32
C 81233	51	594	12	29	1.4	2	19	497	4.88	6	5	ND	1	180	.9	2	2	37	3.72	.139	7	1	1.27	33	.01	4	1.89	.02	.15	1	96
C 81234	4	341	8	27	.7	4	15	629	3.27	7	5	ND	1	446	.3	2	3	28	8.03	.121	6	1	.65	173	.01	5	1.42	.01	.24	1	39
C 81235	3	280	8	42	.7	10	19	755	5.39	2	5	ND	1	298	.9	2	2	91	4.97	.127	6	20	2.16	27	.04	6	2.74	.02	.16	1	1
C 81236	3	128	4	40	.4	7	18	831	5.06	3	5	ND	1	317	.9	4	2	103	2.91	.173	4	8	2.12	16	.16	7	2.43	.04	.08	1	1
C 81237	1	94	6	30	.2	6	14	636	4.73	2	5	ND	1	224	1.3	2	5	97	2.46	.160	4	8	1.84	13	.14	2	2.19	.04	.09	1	1
C 81238	1	54	13	40	.1	7	15	704	4.46	6	5	ND	1	180	.5	2	4	87	4.26	.157	4	5	1.79	10	.08	2	2.04	.03	.09	1	2
C 81239	1	94	11	39	.3	7	16	697	4.64	2	5	ND	1	337	.8	2	2	100	2.66	.164	3	9	1.96	28	.09	4	2.25	.03	.07	1	1
RE C 81236	3	124	3	39	.6	7	18	832	5.03	2	6	ND	1	309	.8	3	2	102	2.86	.171	4	8	2.12	17	.16	4	2.40	.04	.08	1	1
C 81240	3	120	7	39	.2	10	15	834	4.25	2	5	ND	1	197	.8	2	2	82	4.34	.155	4	12	1.71	29	.09	3	2.03	.03	.11	1	1
C 81241	2	96	2	41	.1	7	16	825	4.09	2	5	ND	1	219	.6	2	2	90	3.39	.160	3	9	1.69	22	.16	5	1.88	.04	.08	1	9
C 81242	9	44	3	35	.1	6	15	861	3.79	2	5	ND	1	257	1.2	2	2	83	4.17	.150	3	15	1.66	12	.16	2	1.91	.04	.07	1	2
C 81243	2	69	7	38	.4	8	16	837	4.57	4	5	ND	1	210	.9	2	2	94	3.31	.165	3	9	1.90	20	.11	4	2.13	.04	.10	1	2
C 81244	6	71	6	33	.2	5	17	787	4.50	2	5	ND	1	232	.8	2	4	90	3.76	.164	3	8	1.93	14	.11	3	2.25	.03	.10	1	5
C 81245	16	118	2	28	.3	6	19	730	4.68	2	5	ND	1	315	.9	2	3	105	4.26	.159	3	8	1.85	15	.12	4	2.12	.03	.09	1	2
STANDARD C/AU-R	19	60	37	130	7.1	67	32	1044	3.89	38	17	8	39	53	18.7	17	23	56	.46	.092	38	54	.86	171	.08	34	1.80	.06	.14	11	520
STANDARD C	19	59	40	132	7.1	73	32	1051	3.95	41	20	7	38	52	19.1	16	19	56	.45	.095	39	58	.89	175	.08	33	1.89	.06	.14	12	-

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
C 81246 AH90-3	9	225	12	34	.6	9	24	791	5.01	4	5	ND	3	255	.7	2	2	90	4.78	.144	3	8	1.83	14	.11	3	2.12	.03	.14	1	17
C 81247	4	132	8	35	.1	8	18	711	5.22	7	5	ND	1	149	1.1	2	2	97	3.88	.155	3	8	1.92	16	.12	2	2.16	.04	.16	2	1
C 81248	2	82	4	31	.1	9	15	705	4.98	2	9	ND	2	245	.7	2	2	100	4.82	.150	3	7	1.76	7	.08	2	2.00	.03	.09	2	2
C 81249	6	107	9	34	.3	10	16	646	4.90	6	5	ND	2	203	1.3	2	3	104	3.58	.161	3	11	2.01	17	.16	2	2.22	.04	.14	1	1
C 81250	2	126	11	35	.3	8	20	663	4.61	6	5	ND	2	313	1.2	3	5	92	3.62	.159	2	6	1.93	28	.20	4	2.15	.03	.12	1	3
C 81251	16	131	2	39	.4	14	18	582	4.67	5	5	ND	1	252	1.0	2	2	96	3.22	.158	2	14	1.94	19	.20	2	2.21	.04	.15	1	2
C 81252	4	80	8	32	.1	7	16	817	5.15	4	5	ND	1	288	.8	2	2	119	3.43	.164	3	9	1.84	27	.21	2	1.95	.05	.16	1	1
C 81253	4	159	5	30	.3	11	20	580	4.26	3	5	ND	1	136	1.1	2	4	91	2.03	.158	2	13	1.49	22	.25	4	1.69	.07	.17	1	1
C 81254	8	191	6	44	.2	11	21	843	5.23	6	5	ND	1	168	1.0	2	3	103	3.53	.129	2	6	1.85	13	.14	2	2.06	.04	.17	5	9
C 81255	52	173	9	39	.1	10	18	772	5.12	3	5	ND	1	187	1.0	2	7	106	3.46	.144	3	13	1.77	6	.13	3	1.98	.04	.09	1	9
C 81256	85	186	10	39	.1	9	19	835	4.92	6	5	ND	1	198	.5	2	2	95	3.95	.151	3	7	1.75	13	.15	2	1.92	.04	.11	1	1
C 81257	7	158	2	19	.3	7	13	422	3.10	2	5	ND	1	180	.4	2	2	64	2.22	.144	2	10	.88	13	.21	4	1.15	.05	.06	8	1
C 81258	13	179	5	26	.3	6	23	524	4.30	3	5	ND	1	123	.8	2	2	79	2.05	.130	2	4	1.02	8	.19	5	1.20	.05	.10	1	12
C 81259	12	180	6	28	.5	6	16	546	4.40	2	5	ND	1	125	.8	2	4	82	2.31	.132	3	8	1.16	8	.19	3	1.30	.06	.09	1	1
RE C 81264	19	533	7	23	.5	10	32	492	4.73	3	5	ND	1	119	1.1	2	2	88	1.91	.168	2	8	1.16	22	.27	6	1.35	.08	.18	1	1
C 81260	32	143	3	28	.2	7	14	535	4.01	2	5	ND	1	104	.4	2	3	83	1.86	.150	2	8	1.31	14	.22	3	1.41	.06	.12	1	1
C 81261	18	183	8	29	.2	11	15	528	4.70	2	5	ND	1	106	.8	2	2	103	1.77	.143	2	16	1.44	12	.25	2	1.57	.06	.11	1	1
C 81262	6	244	8	28	.2	9	20	815	4.71	3	5	ND	1	108	.2	2	8	108	2.68	.124	2	7	1.66	19	.22	2	1.90	.06	.19	1	1
C 81263	3	135	13	31	.3	10	18	743	4.94	2	5	ND	1	141	1.2	3	7	134	4.34	.122	2	15	1.94	26	.22	2	2.01	.05	.13	1	1
C 81264	18	511	5	22	.2	7	29	464	4.43	2	5	ND	1	116	.7	2	2	85	1.87	.165	2	5	1.13	26	.26	2	1.31	.08	.18	1	1
C 81265	32	492	4	15	.3	11	18	340	3.39	2	5	ND	1	100	.5	2	2	67	1.54	.171	2	13	.70	21	.25	2	.97	.09	.19	1	37
C 81266	10	167	9	28	.1	7	17	542	4.48	3	5	ND	1	115	.3	3	3	101	1.93	.163	2	9	1.51	33	.24	2	1.65	.06	.24	1	1
C 81267	21	114	3	22	.1	6	12	529	3.40	2	5	ND	1	133	.6	2	7	77	1.87	.178	2	10	1.23	15	.23	4	1.38	.08	.17	1	1
C 81268	36	118	5	22	.1	7	12	512	3.46	2	5	ND	1	107	.3	2	2	79	2.08	.170	2	6	1.13	11	.22	2	1.27	.07	.14	1	1
C 81269	8	130	7	28	.2	9	19	596	4.04	2	5	ND	1	119	.6	3	2	103	1.66	.157	2	12	1.45	50	.23	2	1.54	.07	.45	1	4
C 81270	4	166	2	26	.3	13	19	551	4.28	2	5	ND	1	141	1.0	3	6	101	1.94	.154	2	18	1.70	57	.23	5	1.75	.06	.45	1	1
C 81271	3	114	11	31	.2	16	17	649	4.38	2	5	ND	1	146	.6	3	2	108	2.59	.150	2	26	1.79	63	.24	2	1.85	.07	.42	1	12
C 81272	1	173	2	29	.1	12	16	579	4.48	2	5	ND	1	160	.6	2	3	97	2.41	.157	2	17	1.72	20	.25	5	1.76	.06	.21	2	1
C 81273 AH90-4	2	21	12	46	.1	4	12	510	2.32	2	5	ND	2	40	.4	2	2	37	1.71	.059	7	8	.76	68	.07	2	1.01	.04	.48	1	27
C 81274	1	6	10	42	.1	4	10	538	2.36	2	7	ND	1	44	.5	2	7	31	1.96	.061	7	5	.74	69	.06	5	.97	.04	.43	1	8
C 81275	1	24	9	38	.1	8	12	521	2.33	2	6	ND	1	42	.4	2	2	38	2.17	.063	5	6	.75	67	.06	2	.99	.05	.51	1	1
C 81276	1	75	6	32	.3	4	14	579	2.08	2	5	ND	2	68	.2	2	2	37	3.35	.058	5	5	.74	53	.06	2	.95	.04	.54	1	37
C 81277	1	82	9	47	.1	30	17	790	4.93	2	5	ND	1	81	.8	2	2	126	3.38	.085	2	58	2.76	387	.21	2	2.82	.03	1.44	1	1
C 81278	1	14	2	40	.1	58	15	849	6.29	2	5	ND	1	94	.8	3	2	152	2.78	.099	2	107	3.77	509	.27	4	3.62	.02	1.63	1	1
C 81279	1	55	2	45	.2	45	27	973	6.66	2	5	ND	1	92	.9	2	6	154	3.14	.096	2	88	3.93	426	.28	2	3.95	.02	1.84	1	1
C 81280	1	82	8	39	.3	49	21	874	5.32	2	5	ND	2	113	1.1	2	2	153	3.23	.123	2	83	3.42	700	.30	2	3.63	.02	2.06	1	1
C 81281	1	262	4	52	.5	102	21	889	4.93	2	5	ND	1	137	.6	2	2	126	3.59	.171	4	184	3.79	496	.24	2	3.85	.02	1.72	1	10
STANDARD C/AU-R	18	56	43	124	6.4	70	30	999	3.88	38	19	7	37	49	18.2	16	19	56	.46	.086	35	52	.84	170	.08	34	1.77	.05	.14	11	530
STANDARD C	18	57	38	130	7.0	72	32	1050	3.95	39	18	7	40	53	18.9	15	21	55	.45	.092	38	57	.89	182	.07	35	1.88	.06	.14	12	-

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
C 81282 AH90-4 ↓	1	183	4	36	.1	14	15	667	3.55	7	5	ND	1	113	.3	2	2	72	3.54	.074	4	19	1.74	116	.11	2	1.81	.03	.54	1	15
C 81283	1	182	4	39	.3	38	27	767	4.00	8	5	ND	1	117	.9	2	2	92	3.26	.096	3	64	2.04	274	.14	2	2.11	.02	.88	1	31
C 81284	4	57	6	35	.3	6	25	535	2.46	6	5	ND	1	54	.5	2	2	44	1.98	.058	6	4	.81	48	.06	2	.99	.03	.55	1	30
C 81285	6	105	247	214	1.1	8	21	748	2.50	94	5	ND	1	69	5.6	2	4	33	2.30	.063	7	5	.80	67	.04	2	.90	.02	.41	1	73
C 81286	1	82	44	107	.4	14	15	938	4.67	22	5	ND	1	77	1.8	3	2	125	2.13	.083	4	22	2.41	396	.20	3	2.73	.02	1.53	1	21
C 81287	1	13	22	95	.1	21	14	1071	5.25	82	5	ND	1	118	4.2	2	2	158	3.39	.093	2	38	3.05	325	.23	3	3.09	.02	1.40	1	18
C 81288	1	7	2	36	.3	21	16	790	5.02	22	5	ND	1	127	.8	5	2	142	2.63	.093	2	41	3.01	463	.26	2	2.88	.03	1.48	1	20
C 81289	1	1	5	39	.1	20	14	701	4.54	21	5	ND	1	111	.5	3	2	124	1.74	.098	2	36	2.81	482	.23	2	2.72	.03	1.31	1	9
C 81290	1	43	10	47	.1	20	13	801	5.14	14	5	ND	1	105	1.4	2	2	136	1.85	.097	2	39	3.06	468	.24	5	2.93	.03	1.41	1	17
C 81291	1	30	4	34	.1	19	13	657	4.85	8	5	ND	1	128	.8	2	2	115	1.78	.096	2	36	2.81	279	.20	2	2.40	.02	.75	1	13
C 81292	2	328	4	34	.4	19	39	693	5.62	9	5	ND	1	120	1.1	4	2	154	1.74	.099	2	36	2.87	295	.24	3	2.63	.03	1.20	1	55
C 81293	2	201	4	40	.3	23	22	779	6.32	10	5	ND	1	106	1.8	4	2	156	2.07	.100	2	37	3.16	392	.24	5	3.05	.03	1.30	1	45
C 81294	1	95	7	71	.5	19	48	842	8.91	16	5	ND	1	63	1.7	3	2	150	1.75	.092	2	34	2.64	49	.26	6	3.17	.02	1.87	1	130
C 81295	1	44	6	56	.1	21	16	964	6.66	2	5	ND	1	104	1.1	2	2	159	4.40	.093	2	36	2.79	716	.24	7	3.21	.03	1.72	1	110
C 81296	1	205	2	49	.3	16	29	820	7.49	4	5	ND	1	68	1.0	2	2	164	1.26	.099	2	36	3.03	401	.26	6	3.68	.03	2.18	1	100
C 81297	1	114	2	44	.1	21	35	774	7.87	7	5	ND	1	66	1.1	2	2	164	1.64	.096	2	36	3.08	408	.26	13	3.68	.03	2.13	1	29
C 81298	1	194	2	50	.2	20	29	800	8.04	6	5	ND	1	76	.9	2	2	164	1.50	.093	2	32	3.29	796	.26	8	3.88	.02	2.07	1	31
C 81299	1	56	2	36	.1	19	19	730	6.10	3	5	ND	1	117	.4	2	2	138	2.83	.090	2	31	3.03	613	.22	2	3.22	.02	1.50	1	17
C 81300	1	47	4	49	.1	20	20	945	6.30	4	5	ND	1	130	1.2	2	2	149	3.53	.090	2	34	3.24	267	.10	2	3.18	.02	.72	1	18
C 81301	1	43	7	85	.3	12	46	1074	7.09	11	5	ND	1	137	.7	2	2	102	3.39	.095	4	9	2.19	62	.03	4	2.33	.02	.22	1	2970
C 81302	1	49	7	73	.1	9	23	1106	5.72	9	5	ND	1	131	.2	2	2	95	4.66	.097	9	5	1.73	126	.07	2	2.02	.02	.47	1	480
C 81303	1	11	4	118	.1	18	37	1352	8.24	8	5	ND	1	88	.8	2	2	109	2.11	.092	5	7	3.00	140	.10	7	3.39	.02	.86	1	25
C 81304	1	22	8	90	.1	13	23	1223	5.79	5	5	ND	1	111	.3	2	2	86	3.46	.089	5	5	2.04	98	.05	3	2.34	.02	.47	1	13
C 81305	1	21	6	65	.2	6	21	844	3.78	7	5	ND	1	53	.4	2	2	39	1.87	.061	8	4	.98	33	.01	2	1.12	.01	.10	1	17
C 81306	1	12	5	54	.1	5	11	984	2.53	2	5	ND	1	76	.6	2	2	27	2.63	.062	9	3	.74	29	.01	3	.92	.02	.12	1	13
C 81307	1	35	11	68	.4	8	18	1043	3.62	5	5	ND	1	89	.2	2	7	46	2.99	.068	9	5	1.13	33	.01	5	1.24	.02	.09	1	20
C 81308	1	40	8	91	.1	14	18	1319	6.83	4	5	ND	1	111	.2	2	2	126	2.51	.097	5	8	2.62	67	.03	5	2.54	.02	.24	2	12
C 81309	19	683	32	149	1.5	21	25	1775	7.18	7	5	ND	1	155	.9	2	2	134	5.98	.095	6	23	2.40	84	.05	3	2.61	.02	.38	1	240
C 81310	23	522	46	299	2.7	34	29	1454	7.94	71	5	ND	1	140	4.1	2	2	115	4.75	.133	5	76	2.57	38	.03	3	2.83	.01	.25	1	610
C 81311	35	1213	6	63	1.2	76	32	1083	6.82	7	5	ND	1	285	1.1	2	2	155	8.82	.171	3	251	3.70	202	.09	4	3.37	.01	.76	1	390
C 81312	1	109	2	32	.2	84	25	546	3.99	7	5	ND	1	245	.6	3	2	99	3.62	.193	2	285	3.19	156	.14	2	2.11	.01	.77	1	29
C 81313	1	133	2	32	.2	83	23	625	3.89	6	5	ND	1	241	.5	2	2	97	4.68	.194	2	285	3.22	213	.13	4	2.19	.01	.67	1	17
C 81314	1	70	2	32	.1	41	27	618	3.66	8	5	ND	1	111	.7	2	2	89	4.27	.128	3	130	1.97	181	.10	2	1.75	.03	.71	1	27
C 81315	1	39	2	28	.1	6	14	454	2.60	2	5	ND	1	52	.2	2	2	43	1.73	.063	6	7	.98	33	.02	2	.98	.04	.18	1	21
C 81316	1	33	2	29	.1	6	15	419	2.45	4	5	ND	1	47	.2	2	2	36	1.55	.059	8	6	.80	19	.01	2	.81	.04	.07	1	21
RE C 81312	1	109	2	33	.2	87	26	563	4.11	4	5	ND	1	252	.3	2	2	102	3.82	.202	2	295	3.31	162	.14	2	2.21	.02	.79	1	18
C 81317	10	609	2	25	.3	13	12	521	1.95	3	5	ND	1	91	.3	2	3	53	3.86	.075	3	31	1.02	71	.05	2	1.04	.03	.45	1	240
STANDARD C/AU-R	18	58	36	126	6.6	68	29	937	3.99	40	18	7	36	50	17.8	17	20	55	.45	.087	37	55	.78	172	.08	33	1.77	.05	.13	11	520
STANDARD C	19	59	38	132	7.1	73	32	1051	3.95	43	18	7	39	52	18.9	15	20	57	.45	.096	39	60	.89	181	.07	37	1.89	.06	.14	12	-

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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
C 81318	2	150	235	210	.4	86	32	852	5.03	9	5	ND	1	203	4.0	2	2	127	5.22	.218	2	320	3.67	383	.21	2	3.70	.03	2.07	1	42
C 81319	1	151	8	52	.4	96	25	969	6.04	5	5	ND	2	347	1.7	2	2	164	6.51	.210	2	315	4.66	1027	.20	2	4.78	.01	1.64	1	18
C 81320	2	462	106	127	.8	45	23	827	5.72	5	5	ND	1	232	1.9	2	7	146	4.64	.154	2	130	3.37	735	.23	2	3.78	.02	1.72	1	210
C 81321	2	384	9	51	.4	45	22	872	5.47	2	5	ND	1	226	2.1	2	6	133	6.08	.150	2	141	3.15	450	.19	3	3.47	.02	1.68	1	250
RE C 81326	7	341	27	73	2.7	10	47	733	5.15	6	5	8	1	65	.6	2	7	22	2.20	.055	4	19	.75	45	.03	2	1.15	.01	.45	2	12270
C 81322	2	100	28	68	.2	14	21	698	3.69	2	5	ND	4	134	1.4	2	2	75	3.88	.110	15	36	1.47	221	.10	2	1.87	.03	.97	1	63
C 81323	3	216	15	54	.6	6	20	509	2.84	3	5	ND	1	71	.5	3	4	39	2.05	.067	6	8	.89	46	.04	2	1.09	.03	.42	1	300
C 81324	9	2225	1341	377	7.8	11	40	598	5.93	7	5	3	1	96	13.0	4	7	15	2.78	.051	5	15	.52	22	.01	5	.77	.01	.26	1	4920
C 81325	2	373	12	43	1.6	5	18	736	3.12	2	5	ND	1	88	.2	2	5	19	2.69	.062	5	5	.63	37	.02	2	.92	.02	.32	1	2970
C 81326	8	346	22	74	2.5	8	48	747	5.29	2	5	8	1	67	.6	2	10	22	2.24	.056	4	19	.78	47	.03	2	1.19	.01	.48	3	11370
C 81327	1	292	7	53	.5	6	22	545	2.22	5	5	ND	1	77	.5	2	2	30	2.33	.067	7	5	.76	43	.03	2	.97	.04	.32	1	110
C 81328	2	290	2	36	.3	8	19	492	2.14	2	5	ND	1	64	.2	2	2	43	2.20	.068	6	18	.89	57	.05	3	1.07	.05	.43	1	14
C 81329	23	456	10	33	.8	6	5	405	1.41	3	5	ND	1	60	.2	2	2	43	2.34	.071	3	6	.87	38	.03	2	.88	.04	.35	1	58
C 81330	27	295	12	67	.6	9	16	490	2.01	3	5	ND	1	78	.2	2	2	36	2.55	.070	5	19	.83	38	.02	5	.92	.05	.16	1	120
C 81331	6	790	16	73	1.4	5	15	481	2.10	5	5	ND	1	81	1.0	2	2	34	2.69	.069	5	6	.83	42	.03	2	.95	.04	.22	1	67
C 81332	3	965	6	57	1.5	10	16	666	3.73	3	5	ND	1	193	1.6	2	2	83	4.48	.118	5	19	1.58	34	.07	3	1.98	.03	.41	1	28
C 81333	6	209	4	22	.2	68	24	514	2.92	5	5	ND	1	303	.6	2	2	64	2.68	.099	2	166	2.47	9	.10	6	1.69	.05	.05	1	18
C 81334	13	215	2	26	.2	50	21	651	3.26	2	5	ND	1	388	.2	2	2	83	3.02	.097	2	114	2.35	22	.14	3	1.74	.08	.07	1	12
C 81335	3	268	2	20	.1	26	21	633	3.04	2	5	ND	1	581	.5	2	2	72	4.53	.076	2	35	1.36	22	.17	2	1.27	.07	.05	1	9
C 81336	21	408	2	27	.4	33	28	971	4.04	3	5	ND	1	708	1.0	2	2	102	7.41	.070	2	58	1.96	8	.18	2	1.57	.03	.03	1	11
C 81337	8	312	2	19	.3	22	26	442	3.45	12	5	ND	1	604	.3	3	2	79	2.90	.134	2	30	1.31	56	.15	2	1.58	.11	.09	1	8
C 81338	15	215	2	24	.4	22	23	518	3.62	5	5	ND	1	393	.3	2	2	96	3.67	.126	2	31	1.62	42	.19	2	1.88	.10	.14	1	8
C 81339	4	200	2	17	.3	38	23	448	2.72	4	5	ND	1	250	.4	2	2	65	2.92	.081	2	44	1.24	16	.19	2	1.32	.10	.06	1	11
C 81340	14	250	3	26	.1	40	25	558	3.44	11	5	ND	1	436	.7	2	4	77	3.37	.084	2	49	1.72	50	.20	2	1.77	.12	.11	1	13
C 81341	15	211	2	22	.2	46	25	501	3.26	16	5	ND	1	370	.4	2	2	78	2.83	.077	2	51	1.82	66	.20	2	1.70	.09	.15	1	4
C 81342	24	161	2	32	.2	47	25	621	4.10	7	5	ND	1	317	1.1	2	6	107	3.14	.066	2	80	2.48	57	.20	2	2.01	.07	.16	1	2
C 81343	6	74	2	20	.2	19	10	532	2.08	2	5	ND	1	426	.6	2	4	54	4.97	.045	2	34	1.24	19	.12	2	1.13	.07	.04	1	6
C 81344	11	166	2	29	.1	36	21	694	3.64	5	5	ND	1	523	.3	2	2	101	3.64	.076	2	70	2.86	79	.21	2	2.33	.07	.25	1	3
C 81345	11	310	2	23	.3	46	35	590	4.40	2	5	ND	1	402	.6	2	2	90	3.79	.067	2	62	2.31	39	.18	2	1.80	.06	.09	1	6
C 81346	22	242	2	23	.4	37	23	557	3.08	4	5	ND	1	481	.5	3	2	71	4.88	.106	2	54	1.92	10	.15	2	1.85	.06	.05	1	4
C 81347	7	238	2	32	.3	39	25	742	4.05	5	5	ND	1	475	1.4	2	2	98	5.49	.081	2	71	2.30	21	.18	2	2.04	.07	.07	1	2
C 81348	8	210	2	48	.3	50	30	1120	5.51	5	5	ND	1	423	.4	2	2	138	7.52	.070	2	113	2.39	5	.21	4	2.07	.05	.03	1	3
C 81349	6	182	2	30	.2	47	26	744	3.82	4	5	ND	1	478	1.0	2	2	94	4.37	.083	2	75	1.90	9	.18	2	1.60	.09	.04	1	7
C 81350	6	326	3	24	.3	51	29	673	3.32	15	5	ND	1	425	.6	2	2	65	4.69	.066	2	63	1.61	10	.17	2	1.32	.08	.04	1	17
C 81351	10	249	2	25	.4	51	24	615	3.00	3	5	ND	1	426	.6	2	2	62	3.63	.076	2	57	1.79	11	.18	2	1.36	.06	.04	1	8
C 81352	12	337	3	29	.4	51	28	687	3.60	6	5	ND	1	385	.9	2	5	61	4.06	.075	2	59	1.92	9	.17	2	1.40	.06	.03	1	3
C 81353	7	271	2	44	.2	33	20	962	3.47	4	5	ND	1	515	.4	2	2	89	7.87	.195	2	68	2.28	11	.12	2	1.66	.04	.04	1	10
C 81354	19	406	2	27	.3	18	19	590	3.25	4	5	ND	1	318	.8	2	3	100	4.28	.378	4	27	1.19	19	.10	2	1.11	.08	.08	1	2
STANDARD C/AU-R	19	61	40	134	7.3	73	32	1052	3.96	42	20	7	39	52	19.9	15	18	57	.46	.097	39	60	.89	182	.08	32	1.89	.06	.14	11	540
STANDARD C	19	58	35	131	7.3	70	32	1058	3.90	38	19	7	39	52	19.1	18	19	57	.46	.094	38	58	.85	169	.08	35	1.87	.06	.14	11	-

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ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

BP Resources Canada Ltd. PROJECT 10154 File # 90-5019 Page 1 OUDATAH LAKE
700 - 890 W. Pender St., Vancouver BC V6B 4W3

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
C 81355 A1170-S	1	26	2	46	.2	27	33	588	4.79	2	5	ND	1	88	.4	2	2	117	1.28	.161	2	65	2.18	94	.16	2	2.04	.06	.79	4	3
C 81356 ↓	1	9	2	53	.2	32	9	462	4.57	7	5	ND	1	126	.3	2	2	99	1.24	.203	2	112	2.16	82	.14	3	1.59	.06	.87	2	1
C 81357	1	59	2	59	.2	40	11	624	5.12	3	5	ND	1	164	.5	2	2	122	2.21	.195	2	133	2.22	119	.16	3	1.90	.06	1.01	1	2
C 81358	1	26	2	39	.2	47	9	637	4.41	9	5	ND	1	123	.5	2	2	93	1.99	.194	2	176	2.62	62	.15	3	1.83	.05	.81	1	1
C 81359	1	694	2	35	.6	48	13	752	4.49	5	5	ND	1	137	.5	2	2	101	2.68	.182	2	169	2.49	69	.17	4	1.98	.06	.83	1	26
C 81360	1	106	2	37	.2	51	12	830	4.95	2	5	ND	1	231	.3	2	2	124	5.02	.171	2	180	2.67	59	.12	2	2.23	.03	.71	1	6
C 81361	1	5	2	25	.3	39	9	667	3.55	2	5	ND	1	175	.3	2	2	77	2.78	.189	2	161	2.52	72	.16	3	1.76	.04	.93	1	2
C 81362	1	54	2	28	.2	42	11	747	3.71	3	5	ND	1	178	.2	2	2	88	3.52	.188	2	166	2.42	59	.16	3	1.79	.03	.73	1	3
C 81363	1	32	2	24	.1	45	12	631	3.61	7	5	ND	1	139	.2	2	2	84	3.06	.190	2	161	2.31	66	.17	3	1.73	.03	.97	1	5
C 81364	1	3	2	45	.2	62	11	1059	5.25	7	7	ND	1	277	.5	2	2	164	6.36	.185	3	217	3.76	53	.14	2	2.65	.01	.45	1	1
C 81365	1	22	2	36	.3	35	11	1131	4.22	7	12	ND	1	309	.4	2	2	115	8.40	.124	2	121	2.58	41	.13	2	1.96	.02	.31	1	2
C 81366	1	256	2	50	.4	30	24	944	4.70	17	5	ND	1	246	.5	2	2	123	5.07	.135	2	27	3.03	77	.16	3	2.24	.08	.33	1	48
C 81367	1	413	2	46	.6	30	8	794	4.24	9	5	ND	1	197	.2	2	2	135	3.13	.144	2	33	3.08	87	.17	2	2.47	.10	.72	1	35
C 81368	1	91	4	42	.4	20	24	886	4.52	12	7	ND	1	160	.4	2	2	110	3.37	.144	2	32	2.56	116	.19	3	2.45	.08	.97	1	15
C 81369	1	140	2	59	.3	15	13	907	5.35	4	5	ND	1	134	.4	2	2	241	1.93	.153	2	40	2.93	114	.21	5	2.98	.12	1.36	1	2
RE C 81374	1	79	2	39	.2	22	22	776	5.32	2	5	ND	1	247	.6	2	2	153	2.55	.106	3	52	3.18	47	.19	2	2.88	.05	.48	1	1
C 81370	1	33	2	53	.1	10	10	779	5.68	3	5	ND	1	153	.4	2	2	179	1.62	.148	3	15	2.79	70	.18	2	2.69	.08	.75	1	1
C 81371	1	2	2	47	.1	8	11	694	4.33	9	5	ND	1	213	.2	2	2	171	2.22	.156	2	16	2.74	54	.18	3	2.31	.12	.26	1	35
C 81372	1	100	2	39	.3	15	22	965	5.19	2	5	ND	1	286	.4	2	2	134	3.53	.118	3	28	3.14	141	.22	2	2.98	.06	.84	1	1
C 81373	1	119	2	36	.4	22	21	703	4.61	4	5	ND	1	233	.3	2	2	136	2.45	.111	2	48	2.95	115	.27	3	2.78	.09	1.18	1	9
C 81374	1	81	2	40	.2	23	22	784	5.40	2	5	ND	1	247	.3	2	2	156	2.57	.108	3	54	3.20	48	.19	2	2.92	.05	.48	1	1
C 81375	1	79	3	36	.2	36	25	619	4.86	6	5	ND	1	158	.2	2	2	134	1.98	.127	2	117	2.65	69	.19	2	2.42	.08	.62	1	3
C 81376	1	17	2	34	.1	54	18	538	4.09	11	5	ND	1	249	.3	2	2	99	2.01	.174	2	217	2.56	59	.18	3	1.81	.06	1.03	1	2
C 81377	1	16	2	31	.2	46	19	546	3.63	4	5	ND	1	188	.2	2	2	81	2.26	.170	2	212	2.11	71	.19	3	1.73	.06	.96	1	7
C 81378	1	2	2	47	.1	23	11	722	4.42	10	5	ND	1	172	.2	2	2	105	1.16	.110	2	39	2.52	233	.27	3	2.67	.12	1.47	1	1
C 81379	1	10	2	52	.1	24	41	781	5.13	6	5	ND	1	187	.2	2	2	114	1.09	.112	2	38	2.95	258	.27	2	2.87	.11	1.41	1	3
C 81380	1	11	2	59	.1	23	16	1032	5.52	2	5	ND	1	266	.2	2	2	138	3.43	.104	2	45	3.06	230	.19	2	3.17	.04	1.22	1	3
C 81381	1	155	2	61	.1	23	21	967	5.90	2	5	ND	1	197	.2	2	2	139	2.34	.106	2	49	3.24	219	.17	2	3.27	.05	.89	1	9
C 81382	1	13	2	52	.2	34	19	917	5.87	2	5	ND	1	285	.3	2	2	132	3.82	.103	2	59	3.41	70	.16	2	3.05	.04	.41	1	2
C 81383	1	138	6	49	.4	45	20	1141	5.84	4	13	ND	1	692	.3	2	8	151	9.34	.148	3	162	3.57	51	.10	2	2.69	.05	.19	1	11
C 81384	1	346	2	51	.5	60	42	1136	6.17	2	10	ND	1	674	.3	2	2	154	8.73	.160	2	201	4.40	50	.15	2	3.02	.06	.13	1	10
C 81385	1	237	2	49	.3	72	25	987	6.15	2	5	ND	1	528	.2	2	2	152	5.57	.162	2	277	4.66	42	.17	2	3.06	.06	.23	1	5
C 81386	1	1	2	36	.1	58	15	684	4.64	7	5	ND	1	356	.2	2	2	104	3.25	.171	2	241	3.15	74	.18	2	2.28	.05	.89	1	3
C 81387	1	10	3	26	.1	47	13	513	3.86	8	5	ND	1	283	.2	2	2	91	2.95	.163	2	190	2.33	88	.19	4	1.83	.07	1.02	1	3
C 81388	1	56	2	26	.2	58	19	443	3.81	9	5	ND	1	197	.2	2	2	87	1.67	.178	2	209	2.27	87	.19	4	1.81	.07	1.00	1	2
C 81389	1	168	2	29	.4	57	21	480	3.83	5	5	ND	1	199	.2	2	2	90	2.03	.184	2	212	2.51	95	.18	5	2.00	.08	1.22	1	24
C 81390	1	56	2	31	.2	42	19	571	4.04	2	5	ND	1	207	.2	2	2	111	3.05	.141	2	137	2.33	101	.23	3	2.08	.07	1.33	1	2
STANDARD C/AU-R	19	58	37	132	7.4	71	32	1062	3.96	44	24	8	40	52	19.7	17	19	59	.46	.092	41	60	.88	189	.08	33	1.97	.07	.13	11	540
STANDARD C	18	58	37	130	7.1	73	31	1053	3.96	39	19	7	40	52	19.5	15	19	59	.46	.096	40	61	.89	187	.08	35	1.90	.06	.13	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.
- SAMPLE TYPE: CORE AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: OCT 3 1990 DATE REPORT MAILED: Oct 10/90 SIGNED BY. C. Leong ... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

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
C 81391 AH70-5	1	73	10	27	.1	53	28	386	3.21	2	5	ND	1	165	.2	2	2	78	1.83	.164	2	177	1.73	41	.19	2	1.53	.03	.95	1	13
C 81392	1	333	2	24	.1	53	11	462	3.51	2	5	ND	1	235	.2	2	2	89	2.43	.166	2	197	1.96	44	.18	2	1.68	.04	1.05	1	9
C 81393	1	339	2	28	.2	58	18	605	3.82	2	6	ND	1	429	.3	2	2	100	3.81	.156	2	204	2.22	40	.17	2	1.80	.03	.91	1	8
C 81394	1	328	2	29	.2	40	47	506	3.33	2	5	ND	1	239	.2	2	2	77	2.40	.148	2	142	1.71	50	.21	2	1.65	.03	.87	1	16
C 81395	1	72	2	25	.1	49	14	481	3.55	2	5	ND	1	263	.2	2	2	84	2.18	.164	2	199	1.90	39	.17	2	1.62	.04	.93	1	5
C 81396	2	89	2	36	.1	44	34	538	3.69	2	5	ND	1	222	.2	2	2	85	1.96	.142	2	145	2.17	38	.22	2	1.87	.03	1.05	1	4
C 81397	1	53	2	28	.1	53	20	423	3.44	2	5	ND	1	188	.2	2	2	84	1.62	.165	2	194	1.98	35	.19	3	1.76	.03	1.12	1	2
C 81398	1	29	2	32	.1	46	43	463	3.64	2	5	ND	1	170	.2	2	3	88	1.15	.151	2	146	2.36	35	.23	2	2.04	.03	1.28	1	1
C 81399	1	118	2	38	.1	47	15	431	3.64	3	5	ND	1	193	.2	2	2	90	1.51	.204	2	169	2.07	39	.18	2	1.87	.03	1.16	2	10
C 81400	1	41	3	40	.1	50	18	441	4.04	8	5	ND	1	168	.2	2	2	103	1.47	.201	2	166	2.24	40	.18	2	1.90	.03	1.27	1	13
C 81401	1	17	2	37	.1	51	20	432	4.27	2	5	ND	1	177	.2	2	2	106	1.55	.212	2	170	2.29	66	.18	2	1.94	.04	1.31	1	3
C 81402	1	373	2	34	.2	50	18	465	4.10	5	5	ND	1	255	.2	2	2	103	2.29	.198	2	164	2.10	54	.17	2	1.70	.04	1.03	1	49
C 81403	1	235	2	27	.1	44	19	476	4.33	2	5	ND	1	319	.3	2	2	100	2.20	.214	2	147	1.87	72	.17	2	1.59	.04	.91	1	13
C 81404	1	251	2	26	.1	46	19	467	4.45	6	5	ND	1	257	.3	2	2	104	1.98	.207	2	154	1.95	69	.18	2	1.63	.04	.99	1	34
C 81405	2	38	2	18	.1	35	17	555	3.02	2	5	ND	1	508	.2	2	2	78	5.14	.194	2	130	1.31	45	.15	2	1.11	.04	.48	1	4
C 81406	1	101	2	35	.1	51	22	564	4.74	5	5	ND	1	335	.2	2	2	113	2.25	.212	2	168	2.39	80	.19	2	1.97	.04	1.15	1	6
C 81407	1	114	2	28	.1	36	17	493	4.47	2	5	ND	1	324	.2	2	2	103	2.40	.205	2	107	1.99	81	.17	2	1.61	.04	.82	1	5
C 81408	1	32	2	32	.1	50	14	565	4.67	7	5	ND	1	284	.2	2	2	105	1.92	.209	2	181	2.46	72	.17	2	1.91	.04	.94	1	2
C 81409	1	349	2	33	.2	46	12	452	4.13	2	5	ND	1	237	.2	2	2	89	1.83	.198	2	170	1.94	66	.15	2	1.58	.04	.83	1	37
C 81410	1	147	2	33	.1	47	15	671	4.64	4	5	ND	1	368	.2	2	2	111	3.77	.204	2	166	2.56	45	.16	2	1.82	.04	.47	1	7
C 81411	1	158	2	31	.1	52	26	803	4.38	5	5	ND	1	455	.2	2	2	108	5.94	.189	2	162	2.45	29	.14	2	1.72	.03	.23	1	10
C 81412	3	55	2	27	.1	43	21	498	3.61	2	5	ND	1	204	.2	2	2	83	1.64	.218	2	152	1.96	56	.18	2	1.58	.04	.65	1	3
C 81413	1	57	2	43	.1	55	29	1051	5.30	2	5	ND	1	458	.3	2	2	126	6.00	.201	2	184	2.95	34	.17	2	2.18	.03	.33	1	10
C 81414	1	153	2	32	.1	56	51	739	5.03	6	5	ND	1	278	.2	2	2	105	4.04	.200	2	161	2.09	49	.19	2	1.69	.04	.56	1	9
C 81415	1	75	2	35	.1	49	24	711	4.27	5	5	ND	1	255	.2	2	2	109	2.79	.211	2	163	2.42	65	.20	2	1.98	.04	.76	1	4
C 81416	1	69	2	48	.1	53	25	1134	5.65	5	5	ND	1	369	.3	2	2	155	5.77	.197	2	197	3.25	59	.19	2	2.59	.03	.46	1	2
C 81417	1	122	2	50	.1	51	19	1125	5.50	6	5	ND	1	392	.3	2	2	140	6.55	.193	2	184	3.17	66	.19	2	2.64	.03	.54	1	3
RE C 81413	1	42	2	44	.1	57	28	1046	5.33	2	5	ND	1	456	.2	2	2	125	5.98	.203	2	186	2.93	34	.16	2	2.18	.03	.33	2	11
C 81418	1	132	2	55	.1	32	30	1037	5.23	2	5	ND	1	211	.2	2	2	130	4.70	.101	2	47	3.20	173	.26	2	3.13	.02	1.04	1	9
C 81419	1	92	2	56	.1	29	32	1035	5.28	2	5	ND	1	157	.5	2	2	142	4.24	.113	2	68	3.15	226	.25	2	3.26	.02	1.25	1	8
C 81420	1	62	2	61	.1	20	32	1004	4.36	4	5	ND	1	158	.2	2	2	127	6.74	.153	2	95	2.30	237	.20	2	2.71	.02	1.09	1	6
C 81421	2	14	2	50	.1	12	38	721	4.65	2	5	ND	1	106	.2	2	2	111	2.70	.122	3	7	1.89	138	.21	2	2.27	.04	.87	1	4
C 81422	6	33	2	47	.1	61	35	954	5.72	3	5	ND	1	310	.2	2	2	126	6.04	.151	2	177	2.34	70	.19	2	2.16	.02	.45	1	9
C 81423	1	15	2	55	.1	51	33	1090	5.40	6	5	ND	1	404	.2	2	2	138	6.72	.140	2	153	3.51	252	.17	2	2.89	.01	.28	1	1
C 81424	1	5	2	63	.1	24	14	953	6.15	2	5	ND	1	163	.2	2	2	175	1.69	.107	2	41	4.01	42	.20	2	3.68	.02	.25	1	1
C 81425	2	163	2	47	.1	23	43	884	5.23	5	5	ND	1	209	.2	2	2	140	3.80	.100	2	36	2.73	104	.23	2	2.84	.02	.73	1	9
C 81426	1	40	2	49	.1	23	16	915	5.13	2	5	ND	1	180	.2	2	2	138	2.15	.103	2	38	3.57	119	.27	2	3.31	.02	.46	1	1
STANDARD C/AU-R	19	56	37	125	7.0	72	30	987	3.88	35	22	7	41	52	18.4	17	19	58	.46	.093	41	58	.82	184	.08	34	1.82	.06	.14	11	540
STANDARD C	19	60	40	134	7.1	73	32	1051	3.95	40	20	7	40	53	19.0	15	19	60	.45	.099	42	61	.89	191	.08	34	1.89	.07	.14	11	-

BP Resources Canada Ltd. PROJECT 10154 FILE # 90-5019

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
C 81427 AH90-5	5	145	2	30	.2	16	15	958	4.67	2	5	ND	1	336	.4	2	2	92	5.80	.116	6	31	1.91	56	.09	2	2.46	.02	.20	2	12
C 81428	116	90	4	16	.2	9	8	450	2.00	2	5	ND	2	224	.2	2	2	15	3.89	.064	8	6	.79	106	.01	2	1.08	.02	.19	1	32
C 81429	29	70	3	9	.1	5	6	342	1.72	2	5	ND	1	156	.2	2	2	18	3.22	.059	9	6	.60	74	.01	2	.93	.03	.18	1	2
C 81430	80	77	11	9	.9	7	6	330	1.50	2	5	ND	1	177	.2	2	5	8	3.75	.042	7	6	.38	80	.01	2	.63	.02	.16	3	17
C 81431	43	27	2	11	.1	6	5	365	1.63	3	5	ND	2	140	.2	2	2	22	3.19	.061	9	7	.60	99	.01	2	.93	.03	.19	1	4
C 81432	50	17	2	11	.1	6	5	405	1.65	2	5	ND	2	122	.2	2	2	24	2.96	.056	9	7	.61	58	.01	2	.88	.03	.15	1	1
C 81433	16	54	3	14	.1	5	6	328	1.84	3	5	ND	3	108	.2	2	2	27	2.04	.050	8	6	.61	42	.01	2	.84	.03	.11	1	9
C 81434	7	47	6	2	.2	6	2	112	.69	2	6	ND	20	45	.2	2	2	3	.89	.007	6	6	.09	33	.01	2	.21	.03	.07	2	27
C 81435	16	44	5	1	.2	5	1	129	.53	5	6	ND	22	67	.2	2	2	2	1.78	.006	6	5	.03	150	.01	2	.17	.03	.11	2	4
C 81436	44	128	4	21	.3	8	10	394	2.26	3	5	ND	2	170	.2	2	2	29	3.89	.071	5	8	.80	102	.05	2	1.26	.04	.19	1	12
C 81437	14	57	4	21	.1	12	10	429	2.45	2	5	ND	2	176	.2	2	2	57	3.15	.070	5	20	1.22	66	.09	2	1.37	.03	.09	1	9
C 81438	8	53	3	22	.2	11	8	455	2.36	5	5	ND	2	174	.2	2	2	72	3.71	.054	5	13	1.00	135	.06	2	1.06	.04	.07	1	2
C 81439 AH90-6	1	227	2	31	.1	25	21	639	5.11	3	5	ND	1	57	.3	2	2	157	.86	.097	3	52	2.27	204	.25	2	2.61	.04	1.47	1	22
C 81440	1	68	2	35	.1	20	16	594	4.73	2	5	ND	1	47	.2	2	2	162	1.02	.096	2	46	2.43	312	.27	2	2.80	.04	1.86	2	3
C 81441	1	118	2	28	.1	19	16	514	3.85	5	5	ND	1	94	.2	2	2	105	1.17	.094	2	42	2.07	102	.23	2	2.15	.04	1.20	1	8
C 81442	2	179	2	28	.1	20	14	515	3.60	5	5	ND	1	146	.3	2	2	95	1.33	.096	2	41	1.95	82	.23	2	2.07	.04	1.22	1	16
C 81443	1	155	2	35	.1	23	21	632	4.29	2	5	ND	1	147	.3	2	2	130	1.47	.091	2	39	2.70	109	.28	2	2.70	.04	1.77	2	18
C 81444	1	63	2	30	.1	21	19	576	3.96	2	5	ND	1	125	.2	2	2	119	1.28	.092	2	36	2.48	87	.23	2	2.44	.03	1.59	1	3
C 81445	1	113	2	28	.1	19	17	592	3.84	2	5	ND	1	145	.2	2	2	117	1.61	.090	2	41	2.25	42	.23	2	2.19	.03	1.42	1	8
C 81446	1	50	2	36	.1	23	16	719	5.13	6	5	ND	1	180	.3	2	2	164	2.08	.093	2	55	3.00	43	.19	2	2.76	.02	1.25	1	2
C 81447	5	176	2	29	.1	23	16	823	5.44	17	5	ND	1	275	.5	2	2	152	5.33	.085	3	53	2.24	21	.09	2	2.22	.02	.19	1	8
C 81448	1	60	2	26	.1	21	17	578	4.23	4	5	ND	1	130	.3	3	2	128	2.18	.089	2	45	2.29	31	.22	2	2.01	.02	.69	1	4
C 81449	1	74	2	29	.1	21	16	543	3.89	9	5	ND	1	131	.2	3	2	120	1.91	.094	2	49	2.19	67	.24	2	2.16	.03	1.00	1	5
C 81450	1	164	2	28	.1	20	24	531	4.15	12	5	ND	1	106	.2	2	2	110	1.27	.102	2	33	1.84	154	.25	2	2.11	.05	1.14	1	6
C 81451	1	99	3	38	.2	11	19	573	4.04	5	5	ND	1	143	.2	2	2	89	1.44	.116	3	14	1.91	186	.20	2	2.29	.05	.77	1	5
C 81452	1	47	2	42	.1	14	11	780	4.67	3	5	ND	1	157	.2	2	2	114	2.68	.097	2	31	1.82	148	.19	2	2.10	.05	.68	1	5
C 81453	1	123	2	35	.1	18	15	622	4.17	8	5	ND	1	77	.2	2	2	113	1.21	.096	2	38	2.25	146	.23	2	2.34	.04	.90	1	6
C 81454	1	67	2	32	.1	20	18	578	3.57	7	5	ND	1	129	.2	2	2	100	1.60	.092	2	39	2.04	76	.20	2	1.95	.03	.40	1	1
C 81455	1	51	2	40	.2	15	20	729	4.57	9	5	ND	1	141	.2	2	2	111	1.73	.099	2	31	2.57	71	.18	2	2.58	.03	.38	1	3
C 81456	2	201	2	48	.2	17	28	814	6.33	24	5	ND	1	155	.4	2	2	136	2.95	.100	4	30	2.82	67	.11	2	3.15	.02	.49	1	24
C 81457	1	298	8	51	.8	19	27	678	7.29	208	5	ND	1	106	.5	2	2	151	3.61	.077	3	46	1.93	52	.04	2	2.23	.02	.21	1	140
C 81458	2	134	12	100	.3	19	15	873	6.20	40	5	ND	1	100	.3	2	2	178	3.77	.090	2	57	2.56	88	.14	2	2.94	.03	.44	1	19
C 81459	2	432	42	271	1.0	10	15	624	6.18	71	5	ND	1	85	3.7	2	2	142	2.24	.117	3	13	1.91	74	.07	2	2.48	.02	.51	1	73
C 81460	7	135	2	35	.1	7	22	529	5.60	4	5	ND	1	80	.2	2	2	127	1.19	.113	2	4	2.22	247	.26	2	2.85	.04	1.72	1	8
C 81461	1	293	13	77	.7	7	53	741	6.53	26	5	ND	2	81	.5	2	2	144	2.71	.107	2	5	1.65	146	.21	2	2.58	.04	1.24	1	17
RE C 81457	1	311	7	51	.8	19	26	679	7.26	199	5	ND	1	106	.3	2	2	151	3.64	.079	3	46	1.95	51	.04	2	2.24	.02	.20	1	150
C 81462	2	169	2	45	.3	8	29	542	6.34	12	5	ND	1	65	.2	2	2	145	1.61	.111	2	3	1.86	223	.27	2	2.85	.04	1.90	1	10
STANDARD C/AU-R	18	57	37	128	6.6	66	29	988	3.86	41	19	6	38	53	18.5	15	18	56	.46	.087	38	55	.82	185	.08	33	1.76	.06	.14	12	530
STANDARD C	18	60	39	130	7.2	73	31	1053	3.95	44	21	7	40	52	19.8	15	19	60	.46	.094	40	60	.89	187	.07	34	1.89	.06	.15	12	-

SAMPLE#	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*
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppb
C 81463 AH90-6	3	163	5	88	.1	3	30	320	3.75	5	5	ND	1	43	.5	2	3	80	.97	.068	2	1	1.00	154	.14	2	1.46	.03	.80	1	15
C 81464 ↓	14	112	2	40	.1	7	14	441	4.95	9	5	ND	1	136	.2	2	2	118	3.09	.124	2	3	1.46	135	.17	2	2.14	.04	.82	1	4
C 81465 ↓	1	283	2	35	.1	9	48	461	5.65	13	5	ND	1	126	.2	2	2	104	2.67	.121	2	5	1.78	167	.18	2	2.38	.03	1.10	1	16
C 81466	1	346	2	33	.1	8	58	418	6.50	19	5	ND	1	50	1.2	2	2	125	1.08	.128	2	5	1.88	89	.29	2	2.73	.05	1.70	1	13
C 81467	4	351	2	27	.1	11	40	379	5.97	14	5	ND	1	83	.4	3	6	108	1.92	.127	2	4	1.59	70	.26	2	2.33	.05	1.21	1	14
C 81468	2	301	2	32	.1	10	37	431	6.23	14	5	ND	1	101	.2	2	2	116	2.02	.135	2	4	1.66	98	.25	2	2.53	.04	1.19	2	8
C 81469	24	327	2	31	.1	13	37	412	6.55	13	5	ND	1	72	1.2	2	2	129	1.20	.124	2	4	1.90	74	.28	2	2.71	.05	1.41	1	9
C 81470	7	336	7	25	.1	12	32	399	5.47	14	5	ND	1	111	.5	2	2	105	2.12	.120	2	7	1.59	102	.24	3	2.28	.05	1.11	1	7
RE C 81474	1	86	3	35	.1	10	14	568	4.78	12	9	ND	1	207	.6	2	2	111	2.56	.125	3	7	2.20	237	.17	5	2.51	.04	.66	1	1
C 81471	9	348	3	25	.1	20	77	430	6.77	25	5	ND	1	143	.2	2	2	109	2.98	.112	2	6	1.59	65	.22	6	2.09	.05	.69	1	11
C 81472	6	176	2	26	.2	14	36	459	4.40	13	5	ND	1	157	.2	3	2	90	2.82	.120	2	10	1.75	147	.19	2	1.94	.05	.68	1	11
C 81473	8	79	2	34	.3	9	12	628	4.74	13	8	ND	1	230	.3	3	2	110	3.58	.127	3	4	2.22	386	.17	2	2.67	.03	1.05	1	2
C 81474	1	88	2	37	.2	11	15	584	4.97	9	12	ND	1	215	.3	4	2	115	2.72	.128	3	7	2.30	248	.18	2	2.58	.04	.68	1	2
C 81475	2	279	2	26	.3	10	43	492	5.43	29	6	ND	1	226	.5	2	2	98	3.58	.128	3	4	1.70	157	.12	2	2.26	.03	.60	1	13
C 81476	1	217	2	23	.4	4	19	394	4.11	14	10	ND	1	111	.2	3	5	86	2.78	.150	3	4	1.26	90	.14	2	1.74	.03	.43	1	13
C 81477	40	192	4	33	.3	9	16	460	4.72	10	5	ND	1	93	.4	2	2	95	1.45	.162	5	2	1.62	152	.17	2	2.31	.04	.93	1	31
C 81478	3	505	4	40	.4	37	57	766	7.21	26	5	ND	1	254	.2	2	3	124	3.90	.177	3	154	2.29	142	.12	2	2.65	.03	.66	1	16
C 81479	67	520	6	30	.3	38	86	611	7.23	22	5	ND	1	119	.4	2	5	120	2.27	.156	2	129	1.95	67	.17	2	2.23	.08	.76	1	18
C 81480	9	1116	2	42	.5	39	129	729	10.62	25	5	ND	1	213	1.3	2	2	132	2.20	.128	2	98	2.42	64	.14	2	2.74	.03	.50	1	43
C 81481	4	709	2	38	.6	15	87	528	7.66	21	5	ND	1	105	.9	2	2	108	1.67	.164	2	15	1.81	59	.22	2	2.63	.04	1.23	1	60
C 81482	2	303	10	26	.4	9	46	492	5.06	13	6	ND	1	172	.2	4	2	88	2.66	.151	4	12	1.59	88	.10	2	2.12	.02	.63	1	13
C 81483	8	233	3	29	.1	8	28	481	5.68	14	5	ND	1	140	.7	2	2	112	2.01	.267	4	6	1.86	133	.18	2	2.69	.03	1.32	1	9
C 81484	1	139	2	35	.4	12	24	708	6.32	9	5	ND	2	223	.7	5	3	160	4.78	.333	5	5	2.12	157	.17	2	3.13	.02	1.55	1	4
C 81485	6	75	2	39	.1	13	21	636	5.86	9	5	ND	1	213	.8	2	2	148	3.43	.356	5	4	2.10	212	.19	2	2.98	.03	1.52	1	4
C 81486	2	129	7	40	.1	9	21	553	4.84	15	5	ND	1	212	.2	2	2	92	3.59	.189	5	10	1.66	116	.10	2	2.28	.03	.60	1	9
C 81487	8	189	2	33	.1	8	14	538	5.63	12	5	ND	1	183	.4	2	2	118	2.73	.122	3	4	2.02	203	.12	3	2.68	.03	.89	1	5
C 81488	1	164	2	33	.1	8	26	480	5.50	15	5	ND	1	158	.5	2	3	122	2.14	.121	3	4	1.88	194	.20	2	2.55	.03	1.15	1	15
C 81489	2	51	3	27	.1	8	17	488	3.97	7	5	ND	1	182	.2	2	2	107	2.28	.111	3	2	1.78	167	.20	2	2.16	.03	.92	2	2
C 81490	4	86	2	33	.1	9	18	519	5.23	11	5	ND	1	160	.2	2	2	122	2.29	.120	3	2	2.16	159	.17	4	2.47	.03	.46	1	1
C 81491	14	229	4	26	.1	10	12	452	4.98	15	5	ND	1	191	.4	2	9	113	2.70	.118	2	3	1.67	159	.21	2	2.08	.03	.63	1	13
C 81492	3	25	7	32	.1	10	23	465	4.43	13	5	ND	1	129	.4	5	7	124	1.05	.122	2	3	2.21	302	.26	5	2.42	.05	1.22	1	2
C 81493	2	38	2	36	.1	9	27	517	5.44	9	5	ND	1	114	.2	2	2	152	.95	.120	2	2	2.76	291	.28	2	2.86	.04	1.50	1	1
C 81494	1	46	2	42	.1	10	20	566	5.82	13	5	ND	1	125	.5	3	2	141	1.48	.118	2	2	2.65	365	.22	4	3.15	.03	1.41	1	1
C 81495	2	161	2	32	.1	8	25	473	5.88	15	5	ND	1	108	.2	2	3	134	1.65	.126	3	2	1.94	201	.15	4	2.65	.03	.94	1	8
C 81496	6	212	2	26	.2	12	51	531	6.11	29	5	ND	1	187	.2	5	.2	111	3.57	.119	4	2	1.67	120	.08	4	2.13	.02	.49	1	13
C 81497	3	338	2	24	.4	18	53	486	6.19	18	5	ND	1	172	.5	4	2	119	3.33	.218	4	6	1.44	64	.11	4	2.07	.02	.76	1	8
C 81498	5	184	2	32	.3	18	17	524	5.84	12	5	ND	1	162	.3	3	2	148	2.78	.231	4	18	2.04	79	.16	3	2.45	.02	1.05	1	1
STANDARD C/AU-R	20	60	36	131	7.3	74	32	1053	3.88	42	22	8	41	55	18.1	18	20	58	.44	.099	40	59	.87	190	.08	34	1.84	.06	.14	12	520
STANDARD C	20	63	38	133	7.3	72	32	1054	3.96	42	18	7	40	52	18.3	16	23	59	.46	.094	40	61	.90	187	.08	34	1.89	.06	.14	13	-

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
C 81499 AK90-6	55	212	2	43	.2	45	32	615	5.80	17	5	ND	1	132	.4	2	2	178	2.89	.098	2	101	2.51	119	.16	2	2.72	.03	.89	1	11
C 81500 ↓	2	486	2	48	.5	79	54	926	7.30	46	5	ND	1	253	.7	2	2	137	7.03	.126	2	187	2.86	118	.15	2	3.18	.01	1.22	1	60
C 81501	20	214	2	48	.3	28	23	692	5.50	17	5	ND	1	153	.4	2	2	124	4.63	.108	4	87	2.19	160	.09	2	2.71	.02	.82	1	17
C 81502	3	145	2	26	.2	8	15	420	4.57	14	5	ND	1	111	.4	2	2	108	1.91	.101	3	4	1.54	131	.10	2	2.17	.02	.66	1	11
C 81503	13	381	2	20	.3	15	98	455	5.99	24	5	ND	1	167	.3	2	2	100	3.25	.087	3	10	1.30	79	.11	2	1.81	.04	.44	1	16
C 81504	1	18	2	37	.1	14	20	602	5.55	9	5	ND	1	146	.5	2	2	147	1.84	.093	3	17	2.92	155	.15	2	2.96	.03	1.10	1	6
C 81505	1	26	2	31	.1	12	19	573	5.29	4	5	ND	1	140	.4	2	2	136	1.94	.094	3	12	2.36	183	.14	2	2.36	.04	.67	1	13
C 81506	1	84	2	31	.1	12	19	563	4.87	6	5	ND	1	152	.2	2	2	132	1.54	.094	2	9	2.25	234	.22	2	2.41	.05	1.07	1	23
C 81507	1	79	2	34	.1	11	17	612	5.37	13	5	ND	1	155	.4	2	2	146	1.93	.092	3	9	2.59	132	.20	2	2.77	.04	1.01	1	26
C 81508	1	84	2	29	.2	24	18	545	4.33	2	5	ND	1	190	.3	2	2	110	1.65	.111	2	77	2.22	58	.22	2	2.17	.03	1.00	1	16
C 81509	1	43	2	26	.3	49	18	421	3.40	4	5	ND	2	205	.2	3	2	81	2.48	.149	2	200	2.25	33	.15	2	1.82	.03	.88	1	16
C 81510	1	102	2	23	.2	42	14	393	2.91	6	5	ND	1	166	.2	3	2	69	2.95	.145	2	170	1.76	52	.15	2	1.55	.03	.84	1	6
C 81511	3	105	2	22	.1	44	15	389	3.02	7	5	ND	1	182	.2	2	2	70	2.62	.147	2	183	1.93	50	.15	2	1.64	.03	.93	1	18
C 81512	1	73	2	23	.1	48	16	422	3.08	5	5	ND	1	380	.2	2	2	70	3.69	.150	2	180	2.10	30	.14	2	1.58	.03	.72	1	18
C 81513	3	132	2	25	.3	47	27	482	3.29	6	5	ND	1	213	.2	2	2	75	2.82	.146	2	166	1.91	34	.16	2	1.67	.03	.94	1	13
C 81514	1	84	2	22	.3	45	18	403	3.05	6	5	ND	1	221	.2	2	2	72	2.21	.153	2	162	1.71	29	.15	2	1.52	.03	.92	1	10
C 81515	1	76	2	25	.1	50	16	393	3.43	7	5	ND	1	161	.2	2	2	82	1.49	.168	2	175	2.05	42	.17	2	1.83	.03	1.21	1	8
C 81516	1	65	2	23	.1	49	19	460	3.55	7	5	ND	1	166	.2	2	2	93	3.10	.149	2	188	2.06	35	.19	2	1.89	.03	1.26	1	3
C 81517	2	95	2	23	.1	44	16	409	2.93	3	5	ND	1	183	.2	2	2	65	1.97	.152	2	160	2.12	24	.15	2	1.77	.03	1.02	1	5
C 81518	1	42	2	32	.2	28	14	572	4.36	4	5	ND	1	199	.2	3	2	113	2.56	.120	2	95	2.70	88	.22	2	2.57	.03	1.27	1	5
STANDARD C/AU-R	18	57	38	131	7.2	72	31	1050	3.95	41	23	7	39	52	19.4	14	18	58	.45	.093	39	59	.89	183	.07	34	1.89	.06	.14	11	540

APPENDIX V

ROCK CHIP GEOCHEMISTRY

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

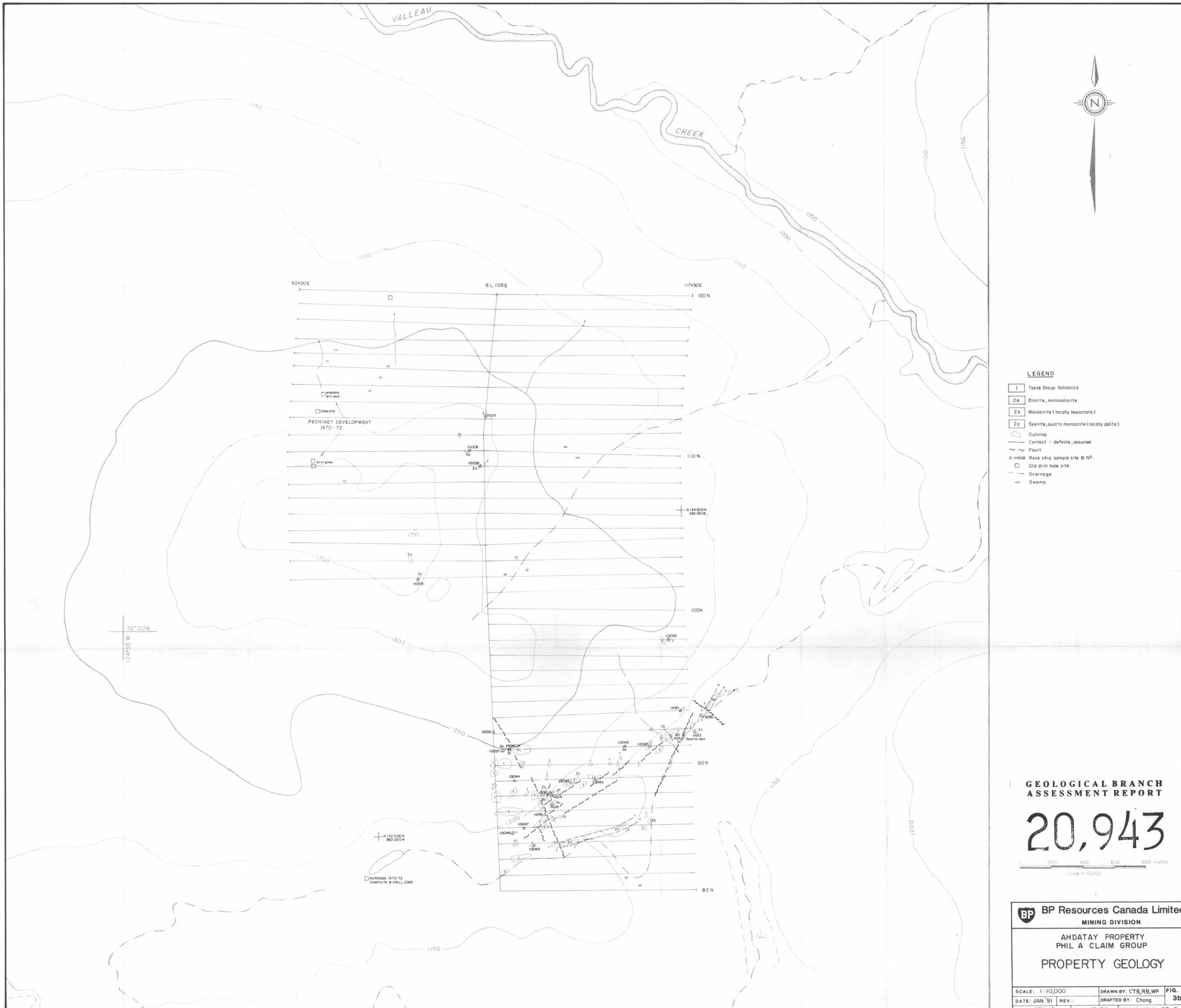
#10154 (alldata)

BP Resources Canada Ltd. File # 90-3494
700 - 890 W. Pender St., Vancouver BC V6B 4U3 Submitted by: C.T. BARRIE

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
111008	1	11	2	34	.1	3	11	593	2.24	13	5	ND	1	44	.2	2	5	52	.58	.066	5	13	.77	138	.07	2	1.45	.06	.34	1	5
111009	1	13	2	27	.1	2	10	336	2.11	6	5	ND	1	40	.2	2	2	42	.78	.065	5	14	.68	61	.06	2	.87	.06	.14	1	3
111010	1	104	16	69	.3	6	13	615	4.89	10	5	ND	1	28	.6	5	2	131	1.12	.144	2	12	1.74	348	.29	2	2.31	.09	1.11	2	9
111011	1	23	2	21	.2	3	7	425	1.70	12	5	ND	1	50	.2	2	2	43	1.17	.068	5	13	.88	53	.07	2	1.09	.05	.37	1	7
111012	1	126	2	36	.1	17	15	450	2.30	13	5	ND	1	178	.3	4	3	72	2.64	.094	5	30	1.35	9	.18	2	1.88	.01	.01	1	3
111013	20	19	2	21	.5	3	14	97	4.22	21	5	ND	1	9	1.1	2	2	13	.05	.053	2	1	.19	83	.01	2	.42	.01	.18	1	300
111014	1	435	2	21	.9	1	8	515	1.43	5	5	ND	1	43	.2	2	2	7	1.46	.079	6	5	.32	228	.01	2	.49	.04	.10	1	260
111015	3	9209	5	59	4.2	6	18	784	5.73	10	5	ND	1	24	2.2	2	2	18	1.56	.039	3	4	.20	60	.01	2	.42	.01	.16	1	32
111016	1	332	6	91	8.1	6	17	654	4.66	13	5	ND	1	54	1.6	2	2	99	1.65	.123	2	20	1.39	14	.17	2	1.61	.04	.17	12	1780
111017	1	81	2	98	.3	4	15	935	4.77	10	5	ND	1	29	.2	5	2	165	1.18	.166	2	15	2.01	280	.25	2	2.11	.06	1.19	1	[illegible]
113030	1	94	9	66	.2	13	17	779	4.57	7	5	ND	1	63	1.0	4	2	126	1.69	.167	2	26	1.88	58	.28	2	2.49	.16	.92	1	15
113031	1	61	2	40	.1	13	11	607	3.74	10	5	ND	1	30	.3	2	4	99	1.60	.166	4	30	1.67	141	.27	2	1.84	.14	.75	1	6
113032	9	495	3	26	.1	18	83	379	4.42	22	5	ND	1	68	.5	2	2	83	2.13	.171	2	47	1.08	28	.20	2	1.47	.08	.22	1	153
113033	1	159	2	44	.2	12	16	495	3.77	9	5	ND	1	35	.6	2	2	109	1.33	.184	2	32	1.42	37	.26	2	1.86	.09	.78	1	77
RE 113038	1	132	2	46	.2	22	17	473	4.28	9	6	ND	1	84	.2	2	2	89	2.58	.237	2	106	1.20	25	.15	2	1.19	.06	.36	1	7
113034	5	226	2	43	.4	3	16	1078	4.42	24	5	ND	1	147	.9	3	2	123	9.33	.151	2	15	1.50	84	.19	2	1.89	.04	.61	2	11
113035	1	785	13	46	.9	5	20	728	5.27	16	5	ND	1	67	1.3	3	3	125	2.63	.179	3	14	1.33	94	.26	2	2.05	.09	.88	1	270
113036	1	188	6	51	.3	5	26	796	7.13	24	5	ND	1	51	.2	5	2	148	1.50	.170	3	20	1.77	158	.32	2	2.58	.08	1.29	1	63
113037	1	157	2	62	.1	39	28	663	5.18	11	5	ND	1	124	.6	2	2	116	1.90	.222	2	115	2.14	20	.19	2	2.03	.06	.45	1	5
113038	1	124	2	46	.3	23	16	457	4.03	2	5	ND	1	80	.2	2	2	84	2.45	.224	2	104	1.14	23	.14	3	1.14	.05	.34	2	8
113039	1	111	12	88	.2	9	19	881	5.31	4	5	ND	1	68	.7	2	2	126	1.02	.157	3	24	2.25	144	.32	2	2.36	.04	1.19	1	16
113040	1	125	2	31	.3	22	15	577	5.68	7	5	ND	1	126	.5	5	3	103	3.87	.177	3	90	2.21	42	.07	4	2.29	.02	.06	1	38
113041	1	15	14	68	.5	6	9	401	2.38	6	5	ND	1	22	.2	2	5	36	.97	.068	7	20	.82	46	.01	2	.91	.04	.07	1	40
113042	1	302	2	42	.3	16	12	795	3.94	11	5	ND	1	203	.6	3	2	112	3.54	.168	2	84	1.25	66	.14	4	1.28	.01	.17	3	25
113043	1	49	2	48	.2	8	22	875	5.00	12	5	ND	1	102	1.2	5	2	107	2.66	.159	2	16	2.25	163	.21	2	2.74	.02	1.29	2	8
113044	1	86	2	97	.2	22	21	828	5.50	4	5	ND	1	34	.9	2	2	152	1.31	.154	2	44	2.35	186	.32	2	2.77	.11	1.56	18	7
113045	141	1185	20	31	5.4	16	19	521	10.89	15	5	ND	1	90	.2	5	16	157	1.46	.117	2	39	1.76	80	.17	2	1.98	.02	.20	2	144
113046	5	1173	2	30	2.2	27	32	376	3.90	16	5	ND	1	123	.6	3	2	103	1.70	.117	2	49	1.69	78	.21	2	1.85	.04	.52	1	5[illegible]
113047	1	1546	2	21	6.3	9	14	310	2.32	5	5	ND	1	278	3.2	2	5	67	1.90	.127	2	12	.52	8	.20	2	1.45	.01	.03	3	[illegible]
113048	1	243	8	31	.7	28	34	482	6.71	8	5	ND	1	33	1.2	5	2	146	.81	.173	2	52	2.08	115	.35	2	2.52	.05	1.63	2	62
113049	1	79	2	18	.1	5	10	440	3.27	7	5	ND	1	171	.2	2	5	89	1.67	.174	4	22	1.34	37	.21	2	1.88	.02	.34	27	6
113050	1	18	2	43	.1	8	5	513	2.06	4	5	ND	1	36	.2	2	2	39	.66	.070	4	14	1.01	166	.07	2	1.37	.05	.56	1	2
113051	1	77	2	33	.1	16	10	377	3.19	4	5	ND	1	36	.2	2	2	79	.78	.110	2	42	1.38	40	.12	2	1.34	.03	.39	1	15
113052	13	686	2	70	.7	12	29	816	5.63	6	5	ND	4	74	1.1	2	4	91	2.17	.144	4	17	1.26	33	.16	4	1.54	.05	.33	2	7
113053	2	116	2	30	.1	13	13	785	4.59	4	5	ND	1	136	.2	2	2	119	2.57	.219	4	31	1.66	33	.24	2	1.86	.06	.14	3	2
STANDARD C/AU-R	20	61	38	138	7.5	69	31	1044	4.02	42	17	6	35	52	18.4	16	22	57	.50	.094	37	60	.86	172	.07	33	1.85	.06	.14	12	490
STANDARD C	19	63	42	133	7.5	73	32	1055	3.97	41	18	7	36	53	18.4	14	21	57	.52	.095	37	61	.88	180	.07	35	1.89	.06	.14	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.
- SAMPLE TYPE: Rock AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: AUG 15 1990 DATE REPORT MAILED: Aug 20/90. SIGNED [signature] D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS


VALLEAU
CREEK
1150
1200
1100
1050
1300
1250
1350
1395
92+50E
B.L. 105E
117+50E
120 N
110 N
100N
90N
82 N
PECHINEY DEVELOPMENT
1970-72
probable drill pad
Campsite
Drill sites
6 134 000 N
382 000 E
6 132 000 N
380 000 N
55°20'N
124°55'W
NORANDA 1970-72
CAMPSITE & DRILL CORE
Quartz vein
LEGEND
1 Takla Group Volcanics
2a Diorite, monzodiorite
2b Monzonite (locally leucocratic)
2c Syenite, quartz monzonite (locally aplitic)
Outcrop
Contact - definite, assumed
Fault
111008 Rock chip sample site & Nº.
Old drill hole site
Drainage
Swamp
GEOLOGICAL BRANCH
ASSESSMENT REPORT
20,943
200 400 600 800 metres
Scale 1:10,000
BP Resources Canada Limited
MINING DIVISION
AHDATAY PROPERTY
PHIL A CLAIM GROUP
PROPERTY GEOLOGY
SCALE: 1:10,000
DRAWN BY: CTB,RB,WP
FIG. 3b
DATE: JAN.'91
REV.:
DRAFTED BY: Chong
N.T.S. 93N/7
PROJ. 10154
REPORT: BPVR 90-6