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LAT.- 48° 31' 00 N
LONG.- 123° 55' 00 W

GEOLOGICAL AND GEOCHEMICAL REPORT on the VALENTINE CLAIM GROUP, VALENTINE MTN, SOOKE, B.C.

FOR:
BEAUPRE EXPLORATIONS LTD.,
108-3930 SHELBOURNE ST.,
VICTORIA, B.C. V8P 5P6

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GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

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1.0 INTRODUCTION

This report was prepared at the request of Beaupre Explorations Ltd. and consists of a compilation of geological fieldwork, trenching and rock chip sampling carried out between April 24 and December 31, 1997 within the Valentine claim group. The purpose of this report is to summarize geological data in order to evaluate the economic mineral potential of the Valentine claims.

2.0 LOCATION, ACCESS & PHYSIOGRAPHY

The property is located 49 km. WNW of Victoria, and 19 km. N of Sooke on SW Vancouver Island (Fig.1 & 2). A network of logging roads (most of which require 4WD) access about 50% of the claims. The main logging road access has weekday travel restrictions during the period 07:00 to 17:00 hours. Other access problems include heavy rain washouts, fire closures and snow at higher elevations. Relatively mild coastal climate allows year round fieldwork to be carried out.

The property is part of the Insular Mountains which formed as a result of crustal thickening and subsequent mature dissection of a Tertiary erosion surface of relatively low relief, now expressed as fault controlled valleys and fault-line scarps forming monadnock-like plateaus (Grove,E.W.,1990). Quaternary ice advances from the north and west has deposited a 1-5 meter depth of till throughout the region.

3.0 PROPERTY STATUS

A list of claims which comprise the Valentine claim group is listed as follows:

CLAIM NAME	# OF UNITS	RECORD #	MINING DIVISION	EXPIRY DATE
BPEX 1	20	260324	Victoria	Feb. 6, 99
BPEX 2	18	260325	Victoria	Feb. 6, 99
BPEX 3	1	260326	Victoria	Feb. 6, 99
BPEX 5	1	260334	Victoria	March 6, 99
BPEX 6	1	260335	Victoria	March 6, 99
BPEX 7	8	260354	Victoria	Oct. 5, 98
BPEX 12	14	260338	Victoria	April 2, 99
DORAN 2 Fr	1	261023	Victoria	July 9, 99
BPEX 4	3	260333	Victoria	March 6, 99
Doran 1	2	261022	Victoria	July 7, 99
A1	1	355610	Victoria	April 24, 00*
A2	1	355611	Victoria	April 24, 00*
A3	1	355612	Victoria	April 24, 00*
A4	1	355613	Victoria	April 24, 00*
A5	1	355614	Victoria	April 24, 00*
A6	1	355615	Victoria	April 24, 00*
A7	1	355616	Victoria	April 24, 00*
A8	1	355617	Victoria	April 24, 00*
A9	1	355618	Victoria	April 24, 00*
A10	1	355619	Victoria	April 24, 00*
A11	1	355620	Victoria	April 24, 00*
A12	1	355621	Victoria	April 24, 00*
A13	1	355622	Victoria	April 24, 00*

- Expiry dates of A1-A13 includes two years assessment work as described within this report.

4.0 AREA HISTORY

Placer gold was discovered in the 1860's in sand and gravel alluvium along the San Juan, Leech, Jordan, Sombrio and Loss Creek drainage basins. Leech River was hydraulic mined intermittently until 1941. Nuggets up to 1 ounce and a total production of 10,000-20,000 ounces were sluiced from gravel/bedrock contacts along riverside bars.

Base and precious metal lode deposits in Southern Vancouver Island consist of massive sulphides, skarns, quartz veins and shears. Cu-Pb-Zn-Ag-Au massive sulphides occur near Mt. Sicker. Past producers in this area include Lenora, Tyee, Richard III, and Lara (which has published reserves of 529,000 tonnes grading 1.11% Cu, 1.22% Pb, 5.87% Zn, 4.73 g/t Au and 100.1 g/t Ag). Magnetite-chalcopyrite skarns in the Cowichan Lake area have produced in excess of 15 million pounds of copper and 75,000 ounces of silver. Shear zone copper deposits occur near the mouth of the Jordan R. where then Sunloch-Gabbro property is located. Past production includes several million pounds of Cu as well as minor silver and gold. The adjacent prospect known as the Sunro shear contains probable reserves of 1.47 million tonnes @ 1.43% Cu.

5.0 VALENTINE MOUNTAIN HISTORY AND GEOLOGY

Gold bearing quartz and/or sulphide zones have been the focus of attention on Valentine Mountain. A summary of previous work (which is mostly situated on Blaze 1,2 claims) is outlined as follows:

1. Gold bearing quartz is hosted in mixed schist/gneiss (i.e. metapelites/metasandstones). Amphibolite units are key stratigraphic horizons and outline major structures, and host gold bearing quartz in the area of the "Discovery Zone"(3 km. west of RB claims). A weakly altered, E-W trending, steeply dipping, laterally continuous, 50-200 m. thick amphibolite unit is in close proximity (about 5-50 m.) to the main series of gold-quartz veins. A total of 3 gold-quartz veins were defined by drill intercepts as follows:

"C" vein zone: Located parallel and 10-15 m. south of the "36" (aka "B" vein), the "C" vein consists of white to grey quartz, trace amounts of pyrrhotite, marcasite and native gold hosted in mixed gneiss and schist. DDH 82-6 intersected the "C" vein at 36.0-36.5 m. depth and returned 7.550 opt Au across 0.5 m. Several other holes drilled nearby (i.e. 82-3,7,7A,5,5A,6A) intersected the "C" vein with assay values up to 0.174 opt Au across 0.3 m.

"D" vein zone: Parallel and 50 m. north of the "C" vein is the "D" vein, which is localized along a fault zone along an amphibolite/gneiss contact. This vein was intersected by DDH 82-6A, 6, 5, & 21 with values up to 0.063 opt Au across 1.3 m., which was recorded in the drill hole furthest west, and appears that the vein improves westward along strike.

"A" vein zone: The depth continuity of the "A" vein was tested by DDH 82-15. At 150.4-151.3 m. (0.9 m. wide) and at 154.6-155.1 m. (0.5 m. wide), two veins were intersected that returned 0.042 and 0.098 opt Au respectively.

2) The "36" gold-quartz vein trench gave the following values:

DISTANCE	LOCATION	WIDTH	OPT Ag	OPT Au
2 m.	footwall	.46 m.	.07	.41
2 m.	vein	.17 m.	3.85	34.950
2 m.	hangingwall	.61 m.	.16	.852
10 m.	footwall	.36 m.	.56	.005
10 m.	vein	.03 m.	2.27	33.200
10 m.	hangingwall	.37 m.	.79	3.845
20 m.	footwall	.46 m.	.10	.142
20 m.	vein	.03 m.	.03	.003

20 m.	hangingwall	.50 m.	.02	.090
30 m.	footwall	.48 m.	.01	.010
30 m.	vein	.13 m.	.12	.328
30 m.	hangingwall	.37 m.	.10	.003

1. Only 1 out of 13 drill holes (DDH #82-6) gave results (7.550 opt Au over 1.6 ft. or 0.5 m.) which compared to the multi-ounce assays returned from the high grade section of the "36" vein trench.

1. The main reason for erratic results appears to be structural, i.e. free gold occurs in scattered pockets in the quartz veins, and in fractures and on shear planes in the adjacent wall rocks (Grove, 1984).

1. A bulk sample was shipped to Trail, B.C. (1983) giving the following results:

ANALYZED FOR:	SAMPLE # 1 (223 lbs.) FINES from 5 tons sluiced	SAMPLE # 2 (296 lbs.) GOLD-QUARTZ grab vein & wall rock
GOLD	4.82 OPT	18.44 OPT
SILVER	0.60 OPT	1.25 OPT
SILICA	66.9%	89.4%

2. Gold bearing quartz mineralogy includes crystalline arsenopyrite, marcasite, rare chalcopyrite, sphalerite, galena and ilmenite.
3. Alteration within the 50-200 m. thick amphibolite unit adjacent to the "Discovery Zone" consists of : extensive quartz, calcite and gypsum veining, spotty to vein-like K-spar zoning, tourmalinization, epidotization, biotitization of hornblende, and magnetite development (Grove, 1984).
4. Spatial relation of gold-quartz and extensive alteration suggest that the amphibolite unit is significant in the localization of gold ore.
5. Drill results reflect structure and give a "hit and miss" account of gold grades due to its scattered distribution as streaks, pockets and fracture infillings.

The 1985 Falconbridge mapping and trenching program identified the following geological features present in the "Discovery Zone":

1. The "36" and "A" vein gold-quartz systems trend at azimuth 068 degrees, dipping 70 degrees south.
2. There are numerous 090 trending, steep S dipping dextral strike-slip faults, offset by later dextral and sinstral strike slip micro-faults (several cm. displacement). Gold-quartz veins appear to have emplaced in between the macro and micro faulting events.
3. Gold grades of the main quartz vein and adjacent wall rock increase where there are zones of increased cross and/or diagonal faulting and fracturing
4. Calculation of weighted averages of vein and wall rock from the "A" trench returned a value of 0.094 opt Au over 1.38 m. along a strike length of 11.0 m.
5. Arithmetic averages of quartz vein from the "A" trench gave 0.959 opt Au and wall rock assays averaged 0.028 opt Au.
6. Biotite gneiss (metasandstone) is the dominant host lithology for gold-quartz veins in the "Discovery Zone". Carbonaceous andalusite-staurolite-garnet-biotite schist (metapelite) forms about 15% of the host lithology for the gold-quartz veins and occurs as narrow, .1-5.0 m. wide, E-W trending bands within the more massive biotite gneiss.
7. Samples identified as carrying visible gold returned assays of 0.001-0.013 opt Au. These samples included severe dilution from non-mineralized wall rock which would partially explain the low values. The other explanation is that the assay lab did not effectively metallic screen the entire sample to recover the observed native gold.

Bondar-Clegg treated a 42.1 kg. (92.8 lbs.) sample from the trench and obtained 8.74 grams Au and 0.46 grams

Ag. The grade of this sample is 13.362 opt Au and 0.70 opt Ag.

In 1987-88, Valentine Gold established a bulk sample pilot mill and cored 43 diamond drill holes, with the following results:

"C" Vein zone:
Depth extension of the "C" vein (located 10-15 m. south of and parallel to the "36" vein), defined by a total of 10 drill intercepts are projected on longitudinal section by Gord Allen , outlined an ore reserve calculation of 33,795 tons of 0.429 opt Au (based on a 1.2 m. width) from the "C" vein. The "C" vein is located parallel to and 25-35 m. south of a 100 m. thick, steep south dipping altered amphibolite unit.

"D" vein zone:
The "D" vein is located along the south contact of the altered amphibolite unit. This vein has an inferred strike length of over 500 meters, but no ore reserves have been calculated due to grades which average less than 0.100 opt Au across 1.0 m. in the drill intercepts. The main feature of the "D" vein is a) amphibolite contact and b) fault-bound affinity. The "D" vein fault has led to poor recovery and consequent loss of fines as core drills cut this zone.

"E" vein zone:
The "E" vein was discovered by drilling towards a well defined Au soil anomaly 100 m. north of the "C" vein and 70 m. north of the "D" vein. The "E" vein is hosted by altered amphibolite, and is in close proximity to the gneiss/schist contact (10-40 m. to the north) and to a 2 m. wide, cross-cutting, (unit 5) quartz diorite dyke: DDH 87-14 recorded 0.226 opt Au across a 0.3 m. wide fault zone (@ 49.1-49.4 m.) and 0.033 opt Au across 1.0 m. (@ 78.0-79.0 m.), suggesting the presence of two parallel vein zones.

"A" vein zone:
The "A" vein was intercepted by DDH 87-3 returning 0.046 opt Au across 0.6 m. in a fault zone (@28.5-29.1 m.). The "A" vein is located 20 m. south of the altered amphibolite contact, thus there is some speculation that it is the continuation of the "D" vein because if we follow the zone west to 87-4,5 (0.136 opt Au over 1.0 m. and 0.031 opt Au across 0.9 m. respectively), these intercepts align with a fault zone adjacent to the altered amphibolite. characteristic of the "D" vein.

The results from drilling in the "Discovery Zone" resulted in an ore reserve calculation on the "C" vein zone:

CELL #	HOLE #	AREA m2	TONNAGE @1.2 m.	opt Au 1.2 m.wide	Ozs. Au
1	87-11	1054	3630	1.580	5735
2	88-16	996	3430	0.087	298
3	88-18	1550	5338	0.001	5
4	88-17	1454	5008	0.041	205
5	82-3	748	2576	0.019	49
6	82-6A	530	1825	0.149	272
7	82-6	530	1825	3.080	7393
8	87-22	980	3375	0.033	111
9	88-14	1185	4081	0.031	127
10	88-15	619	2132	0.145	309
		Total tonnage=	33,795		Total ounces Au= 14,504

Calculated grade= 0.429 opt Au (see Appendix C)

In 1988, Vancouver Petrographics Ltd. (Dr.John Payne, Dr Jeff Harris, & Wendy Sisson) prepared detailed reports on core and trench samples taken from gold bearing quartz/sulphide zones located 2.5 km. east- southeast of Valentine Mountain. A summary of their work is listed below:

1. The main rock types which host ore in the vicinity of the "Discovery Zone" trenches are a) metasandstone, b)

metasiltstone, c) metamudstone. Less abundant host rocks include garnet-bearing schist and a mafic volcanic rock altered to chlorite-carbonate-epidote-actinolite. Several 1-3 m. wide granodiorite/quartz diorite dykes/sills cut the above sequence.

2. Regional deformation resulted in a series of SE trending folds with steeply dipping axial planes and moderately ESE plunging fold axes. Strongly folded, finely banded argillitic schist is crosscut at a high angle by quartz veins up to 10 cm. across. These veins are folded moderately to tightly about axes which may be coaxial to those which had already deformed the schist host rock. This suggests that two pulses of deformation occurred in the same stress field, and were separated by a tensional event during which quartz veins were introduced.
3. Rocks from the "Braiteach Zone" are less deformed, and contain less interbedded argillaceous siltstone/mudstone than the "Discovery Zone".
4. Early quartz veins are distended and smeared out, being locally obliterated in part. Less deformed quartz veins may represent later veins which represent tensional dilation that crosscuts the regional trend of foliation at a small angle.
5. The "Discovery Zone" gold bearing veins contain quartz which has deformed and partly recrystallized to much finer aggregates, with inclusions of quartz with abundant fine grained pyrite and/or pyrrhotite along grain boundaries. Native gold occurs in later, discontinuous veinlets and replacement patches, whose emplacement is moderately controlled by grain borders of deformed quartz. Locally, native gold (and pyrrhotite) occurs in tiny tiny inclusions in coarse grained arsenopyrite.
6. Paragenetic assemblages suggest that during metamorphism, native gold and arsenopyrite were concentrated into shears zones (preferentially in fold closures), and in part into quartz veins formed during early stages of deformation. The presence of K-spar envelopes and euhedral tourmaline suggests a component of hydrothermal contribution to Au-As bearing mineralization. At a later stage, further quartz veins formed, and gold migrated into some of these, possibly near the end of the deformational event.

Noranda Exploration Ltd. (1989), performed work on the area of the West Leech claims as part of a geological, geochemical , geophysical and diamond drilling program that covered an area 3-5 km. east and west of Valentine Mountain. A summary of Noranda's work is given as follows:

1. Unit 2 gneiss (metasandstone) is divided into 2 sub-units: 2a) meta-greywacke has a better developed schistosity and higher % of lithic fragments than 2b and is generally darker coloured, 2b) massive metasandstone light to dark grey colour with minor schistosity with 5% disseminated biotite. Unit 2b is very hard to break because it has been partially recrystallized.
2. Unit 1 schist (metapelite) is divided into 5 sub-units: 1a) phyllite, extremely fine grained and fissile, with abundant sericite and minor biotite on cleavage surfaces as a result of retrograde metamorphism related to movement along proximal faults. 1b) biotite schist, medium grey to black colour, quartz and biotite form light and dark bands 1-3 mm wide, garnet and/or andalusite/staurolite porphyroblasts are often observed within the biotite schist. 1c) Biotite-garnet schist, similar to 2b with the addition of 1-10 cm. reddish brown, euhedral garnet crystals. 1d) Biotite-garnet-staurolite schist, similar to 1c with the addition of euhedral staurolite commonly cruxiform. 1e) Biotite-garnet-staurolite-andalusite schist, similar to 1d with addition of 1-8 cm., pink andalusite porphyroblasts.
3. Cataclastic textures observed in unit 1 schist consist of angular quartz fragments that have been deformed and flattened in the direction paralleling schistosity as a result of mechanical forces caused by proximal faults and/or overthrusts.
4. Unit 5 Eocene intrusives consist of quartz diorite which occurs as a 2.8 km. long X 0.1-0.6 km. wide sill feature that widens out in Walker Creek. This quartz diorite has numerous 1-3 m. wide aplite sills with localized 1-3 mm wide orange-red colour, euhedral garnets.
5. Unit 6 pegmatite is leucocratic with calcic feldspar, sericite, quartz and localized tourmaline crystals up to 10 cm. in length. Pegmatite dykes and sills range from 0.1-1.5 m. width and occur in the Walker Creek area.
6. 1-5 cm. wide parasitic "S" and "Z" folds were observed in schist layers and quartz veinlets, which serve as a guide to direction of fold hinges and indicate a major E-W trending, gentle east plunging anticline along the axis of Valentine Mountain Ridge.
7. Quartz veins occur throughout all rock units mapped and vary from 0.05 to 2.0 m. width. They are generally milky white "bull" quartz with occasional subhedral crystals. Limonite is frequently observed, minor fine

grained pyrite and lesser pyrrhotite occurs as fracture coatings in quartz. Arsenopyrite crystals were observed in quartz veins and wall rock. There appears to be an association of arsenopyrite and gold bearing quartz veins.

8. Gold bearing zones within the amphibolite are associated with pyrrhotite aggregates (forming 3% of total volume), however not all pyrrhotite zones contain gold mineralization.
9. Quartz veins hosted in schist (metapelite) generally parallel well developed schistosity. In gneiss (metasandstone), quartz veins 0.05-0.1 m. wide cut sandstone beds at angles of 30-45 degrees, and bedding is at low angles to foliation.
10. Variation in quartz veining between various lithologic units reflects the units themselves, i.e. quartz vein material is of metamorphic origin with relatively minor influence of hydrothermal activity. Phyllites contain the least quartz and metasiltsones contain the most quartz, with amphibolite and metasandstone containing relatively medium amounts of quartz.
11. Gold bearing quartz veins are predominantly hosted by metasandstone. The "B" quartz veins are translucent to transparent and commonly light orange in colour and the "C" vein is generally grey black in colour. Gold mineralization occurs within the vein material as well as the adjacent wall rock.
12. Magnetometer data shows a strong, narrow, 120 trending dipolar (high and low) feature east of L 18100 E. In the area of the "Discovery Zone" this feature appears as a broad mag high over the amphibolite unit (probably caused by increased magnetite and/or pyrrhotite) and an adjacent mag low to the north which may reflect massive metasandstone. West of L 17600 E, a similar, narrow magnetic response has a more subtle character. The pronounced background and source shift hints at a possible fold axis occurring on L 17600 E at stn. 20750 N (also observed by IP data).
13. IP data from the west "Discovery Zone" indicates a chargeability/resistivity high and coincident Au soil geochem anomaly between L 20600 E/20087 N and L 19600 E/ 20137 N. Core drilling this target between L 19800 E and L 19900 E proved to be successful in identifying two gold bearing zones localized along the contact of mixed metapelite/metasandstone and altered amphibolite. DDH 89-24 intersected 2.301 opt Au across 0.3 m. @ 59.1-59.5 m.
14. IP data from "BN" and "Braiteach" zones identified a similar IP chargeability/resistivity high and coincident Au soil geochem anomaly between L 17150 E to L 18000 E located parallel and 50-125 m. north of the baseline.
15. "Braiteach Zone" DDH 89-20 and 89-21 were collared on the west projection of Au intercept 0.136 opt Au across 3.0 m. in DDH 88-12. DDH 89-20 cut 17.8 m. overburden, the following 99.1 m. cored through amphibolite with 5-7% quartz as stringers and veinlets with no significant Au values. Increased quartz, with 3-4% pyrite, pyrrhotite and chalcopyrite occur at 62.8-63.8 m. Fault breccia and gouge with 2-3% pyrite and pyrrhotite was cut at 76.5-77.8 m. An increase in biotite rich layers occurs at 77.8-84.4 m. with up to 4% disseminated pyrite, pyrrhotite and chalcopyrite. DDH 89-21 had 25 m. of overburden, followed by 86.1 m. of amphibolite. An increase in biotite rich layers with 4% disseminated pyrite, pyrrhotite and chalcopyrite occurs at 75.1-82.6 m. Fault gouge and shearing with 2-3% pyrite occurs at 93.5-94.7 m. and 103.3-109.0 m.
16. "Discovery West" DDH 89-22,23,24 were drilled to intersect an IP target of high chargeability and resistivity which coincides with anomalous Au geochem and is interpreted as being the west extension of the "C" and "D" vein systems. DDH 89-22 cut 3 quartz veins. the largest being 20 cm., with mineralization consisting of 10% pyrite and 1% pyrrhotite. The "D" vein system located 4 m. above the metasandstone/amphibolite contact returned 740 ppb Au over 1.5 m. Within the amphibolite at 148.3-149.3 m. there is a 1.0 m. interval with visible gold that returned 0.027 opt Au. DDH 89-23 cut two quartz veins, the largest being 0.35 m. wide with 1-2% pyrite and 1% pyrrhotite which are interpreted as the "C" vein system was intersected at 56.9-58.4 m. returning 0.040 opt Au across 1.5 m. width and the "D" vein at 106.5-108.0 m. assaying 0.028 opt Au across 1.5 m. DDH 89-24 cut 4 quartz veins, the largest being 0.41 m. wide, with 1-2% pyrite and less than 1% pyrrhotite. DDH 89-24 intersected 2.301 opt Au across 0.4 m. @ 59.1-59.5 m. depth. This intersection is situated 2.2 m. above the metasandstone/amphibolite contact and is interpreted as the "D" vein system. At 69.0-70.0 m. depth, DDH 89-24 cut a biotite rich layer with 0.5% euhedral garnet porphyryblasts, 1-2% pyrite and 1% pyrrhotite which returned assay values of 0.087 opt Au across 1.0 m. At a depth of 129 m., DDH 89-24 intersected a 5 m. wide band of 2-3% pyrrhotite blebs (with assay values up to 0.013 opt Au across 0.4 m.), and the projected IP chargeability high correlates with this mineral zone.
17. Detailed mapping of the "BN Zone" shows the gold-bearing quartz vein systems are predominantly hosted by gneiss (metasandstone, unit 2), typically with 10-20% biotite and exhibiting "woodgrain texture". There is

some interbedded biotite-garnet-staurolite schist (unit 1) at L 17600 E/20935 N where there are 5-25 m. wide quartz vein swarms along the contacts of unit 1 & 2. At the southern edge of the Au soil anomaly is a massive, chlorite altered amphibolite (unit 3).

1. A total of 41 rock chip samples were taken with the following highlights:

SAMPLE #	Au ppb	As ppm	WIDTH m.
59655	5950	2219	0.03
58559	5530	3	0.05
59662	3960	1730	0.02
59660	3850	573	0.02

19) "Braiteach Zone" trench sampling is summarized as follows: a) Zone #1outcrops in a road cut on J-6 logging road where specks of visible gold were found in limonitic, vuggy quartz hosted in a hydrothermal alteration zone within metasandstone. Out of 5 channel, 3 panel and 1 grab sample, the highest geochemical value returned was 390 ppb Au and 538 ppm As. b) Zone #2 is located 55 m. north of the baseline on L 16800 E where a 0.08 m. wide E-W trending quartz vein was channel sampled in 11 locations along the outcrop, returning a high value of 740 ppb Au, and 875 ppm As. c) Zone #3 is 80 m. WNW of zone #2 and consists of a main E-W trending, steep north dipping quartz vein with 10-20% quartz stringers 1 m. from the vein, which decrease with distance from the main vein. Results produced a high value of 150 ppb Au and 1063 ppm As. d) 8 chip samples from Zones #4-6 returned values up to 159 ppb Au and 25 ppm As.

1. Rock chip sampling on the Peg and Bo Claim Groups (Walker Creek area), returned 0.67% Cu across 0.2 m. and 0.28% Cu across 0.1 m.
2. Recommendations for further work include exploration and development of low tonnage, high grade ores shoots along the 7 km. strike length which is known to host gold-bearing quartz vein systems.

6.0 GENERAL GEOLOGY

L.H. Fairchild (1979), completed a structural and metamorphic analysis of the Leech River Group in partial fulfillment of the requirements for a Masters degree at the University of Washington. Most of his work focused on the Valentine Mountain area. A point form summary of his study is listed below:

1. Leech River Group consist of greenschist to amphibolite facies gneiss and schist metamorphic rocks Their protolith rock types listed in order of abundance are: a-pelite (shale), b-sandstone, c-volcanic, d-chert, e-conglomerate.
1. Two Eocene deformational events, separated by a static period of unknown duration, consisted of fragmentation, rotation and regional shortening resulted in axial-plane cleavage, linear structures and coaxial mesoscopic parasitic folds about east-plunging fold axes.
2. Amphibolite facies metamorphism resulted in biotite-garnet and staurolite-andalusite successively introduced by continuous reaction, which extended from the end of the first phase of deformation into the second phase.
3. Greenschist facies metamorphism results in muscovite-chlorite-quartz assemblages.
4. San Juan, Clapp Ck. And Leech R. faults are E-W trending, steeply dipping, relatively straight zones of regional sub-parallel fault traces. The Leech R. fault is interpreted to be a left-lateral strike-slip fault zone active during the Eocene-Oligocene-Miocene.
5. In the Jordan R. valley southwest of Valentine Mountain, 10-50 m. wide coarse-grained biotite orthogneiss to grandioritic sills and related pegmatite dykes are concordant with regional schistosity.
6. In both mesoscopic and macroscopic folds throughout the Leech R. Group, metasandstone and metavolcanic units behave competently and pelitic rocks, which typically filled-in between competent bodies, behaved in a more ductile fashion. This competency contrast indicates that buckling, rather than homogenous flattening or slip-folding, was the dominant mechanism of folding.
7. Isoclinal F1 structures are refolded by F2 resulting in cylindrical folds which are generally asymmetric-open in the north study area, and progressively symmetric-closed to the south.

8. Dominant foliation in the study area is steeply dipping, F2 axial planar.

Gay A. Wingert (1984), completed a B.Sc. thesis for U.B.C. entitled Structure and Metamorphism of the Valentine Mountain Area, SW Vancouver Island, B.C. Her study is summarized as follows:

1. The Leech R. Fm. underwent 2 stages of deformation and metamorphism which correlates with 2 stages of intrusion. Evidence for polymetamorphism is defined by distribution of staurolite and andalusite, indicating there was a primary metamorphic event which reached temperatures high enough to produce andalusite and a secondary metamorphic event of lower grade which only produced staurolite.
2. The second stage of metamorphism began prior to the second stage of deformation.
3. The final stages of igneous activity (presumed to have occurred in Late Eocene to Early Oligocene) coincide with dextral strike-slip movement along the Leech R. Fault. Retrograde alteration consists of staurolite & andalusite partially replaced by sericite-chlorite-quartz, garnets are crushed and altered to chlorite, and biotite and hornblende appears kinked and boudinaged. Late stage retrograde alteration is associated with late stage faulting and intrusive activity which produced dykes & sills, and gold-bearing quartz (Appendix D).
4. The axial trace of a regional E-W trending anticline fold axis is centered on Valentine Mountain.
5. Walker Creek is an axis for an E-W trending anticline fold axis

The B.C. Geological Survey Branch and the G.S.C. prepared a paper titled Andalusite in British Columbia- New Exploration Targets (Dr. G. Simandl, et.al., 1994)). There was a chapter of this paper devoted to the Leech River Area with specific reference to potential economic deposits within the subject property (Appendix A). A point form summary of this paper is given below:

1. Typical grades of primary "hard rock" andalusite ores vary from 7 to 20%. Typical production capacities of individual mines vary from 25,000 to 65,000 tonnes per year.
2. The coarser the crystals, the easier it is to upgrade the ore. Garnet and staurolite typically coexist with andalusite and where grades and textures permit, they are recovered as byproducts.
3. Most of the area east of Valentine Mountain contains andalusite strongly retrograded to either mica and staurolite or mica and chlorite. The retrograde alteration appears to be strongest in the "Discovery Zone"
4. The degree of retrograde alteration diminishes west of Jordan River where an E-W trend is especially interesting and may host zones of economic andalusite-garnet-staurolite.
5. There is a 6 m. wide zone of 7% andalusite bearing schist surrounded by a felsic intrusion.

The following legend is used to described rock types of the Leech River Group and younger intrusiuve rocks which underlie the claim group:

EOCENE AND YOUNGER? INTRUSIVE ROCKS

6 Pegmatite, Leucocratic dykes and sills

5 Quartz diorite. minor granodiorite, granite
5a Aplitic dykes and sills (leucocratic, fine grained)

TRIASSIC TO CRETACEOUS? LEECH R. GROUP METAMORPHIC ROCKS

4 Phyllite (finer grained and better cleaved than schist)

3 Amphibolite (metavolcanic)
3a Tuff
3b Flow
3c Pervasive chlorite alteration

2 Gneiss (metasandstone)

2a "Dirty"- greywacke
2b "Clean"- metaquartzite

1 Schist (metapelite)
1a Biotite schist
1b Biotite-garnet schist
1c Biotite-garnet-staurolite schist
1d Biotite-garnet-staurolite-andalusite schist

7.0 1997 FIELDWORK

7.1 METHODS AND PROCEDURES

A 400 X 800 m. (32 ha.) area of the central portion of the BPEX 1 claim was surveyed and mapped using hip chains and compasses in order to determine outcrop exposure, trench location and creek locations. A total length of 44.7 metres of trenching (average width one metre and depth of 0.5 metres) was excavated using a Pionjar gas powered drill and 40% forcite stick powder. All trenches were excavated along outcrop exposures and soil profiles were not disturbed. The trenches were mapped and sampled taking a total of 97 two kilogram rock chip samples using a rock hammer. A total of 7 additional rock chip samples were taken using rock hammers while mapping outcrops.. A total of 63 soil samples were taken from a depth of 0.3-0.5 metres using a grubhoe and placed into marked kraft envelopes. Rock and soil samples were shipped to Acme Analytical Labs, Vancouver, B.C. for Au assay and 30 element ICP geochemical analysis (Appendix A).

7.2 PROPERTY GEOLOGY

The following litholgies are recognized in the area of detailed mapping collectively known as the BN Zone (Fig. 4).

TRIASSIC TO CRETACEOUS? LEECH R. GROUP METAMORPHIC ROCKS

3 Amphibolite (metavolcanic)

2a "Dirty"- greywacke
2b "Clean"- metaquartzite

1a Biotite schist

The BN Zone is located 0.6 kilometres south of Valentine Mountain and 3.0 kilometres west of the Discovery Zone. Previous IP and HLEM geophysical surveys performed across the BN Zone have shown increased chargeability and conductivity which coincides with a sulphide bearing horizon (Figure 4). Adjent to the sulphide zone is a highly siliceous zone that is concurrent with a resistivity geophysical response (Noranda Geophysical Report, 1989). Extensive soil sampling by Valentine Gold in 1987 identified thre BN Zone as the strongest gold geochemical response within the 3,800 hectare claim group.

Detailed mapping of the "BN Zone" shows the gold-bearing quartz vein systems are predominantly hosted by gneiss (metasandstone, unit 2), typically with 10-20% biotite and exhibiting "woodgrain texture". There is some interbedded biotite-garnet-staurolite schist (unit 1) at L 17600 E/20935 N where there are 5-25 m. wide quartz vein swarms along the contacts of unit 1 & 2. At the southern edge of the Au soil anomaly is a massive (75-100 metre wide), chlorite altered amphibolite (unit 3) which also occurs as a steeply dipping 2-8 metre wide band trending

120 degrees through the lower centre of the map area (Figure 4).

A total of 41 rock chip samples were taken by Noranda in 1989 with the following highlights:

SAMPLE #	Au ppb	As ppm	WIDTH m.
59655	5950	2219	0.03
58559	5530	3	0.05
59662	3960	1730	0.02
59660	3850	573	0.02

The location of the 41 samples listed above is roughly in the same area of detailed mapping and trenching (Figure 4). Geological mapping of these quartz-sulphide veins show there is a dominant 090-110 degree bearing with steep north dips. Fine grained chlorite and disseminated/fracture filling pyrrhotite is associated with these quartz veins. From a total of 97 trench samples (0.1-0.7 metre width), and 7 prospecting rock chip samples (0.1-4.5 metre width) the following top-ranking results were obtained:

SAMPLE #	WIDTH m.	DESCRIPTION	Au OPT
97-AR-5	4.5	3-5% disseminated pyrrhotite, 1% chlorite-quartz veinlets and stringers	0.173
280	0.5	10% quartz as 1-15 cm wide veins, 1% pyrrhotite	0.095
268-272	2.7	12-25% quartz as 1-25 cm wide veins, 1% pyrrhotite	0.024

7.3 GEOCHEMISTRY (SOIL SAMPLING)

The grid was sampled at 25 metre intervals along N-S grid lines spaced 100 metres apart. From a total of 63 samples the range of values are as follows:

Description	Highest value Au ppb	Lowest value Au ppb	Average value Au ppb	Highest value As ppm	Lowest value As ppm	Average value As ppm
Value	409	1	24	329	10	62

8.0 CONCLUSION & RECOMMENDATION

There is potential to host economic gold bearing metal mineralization on the Valentine claims based on results from current and previous fieldwork. Geological mapping of the BN Zone has identified gold bearing quartz vein swarms with sparse sulphides localized along a WNW trending silicified metasandstone unit. About 75 metres south of the silicified zone is a 4-12 metre wide zone of disseminated pyrrhotite with sparse quartz veining that returned assay values of 0.173 oz/t Au across 4.5 metres (sample # 97 AR-5). Since this high sulphide zone correlates with laterally extensive positive IP chargeability and EM conductivity, the BN Zone is considered a high priority exploration target. A program of geological mapping, rock chip sampling and core drilling is recommended to assess precious metal values associated with the quartz vein swarm and sub-parallel sulphide zone present in the BN Zone.

A field program of 2,000 feet of core drilling supported by 1 geologist and 2 geotechnicians for a period of 30 days is recommended on the BN Zone within theValentine claims. Approximately five to eight 300-500 foot deep core drill holes inclined at 45 degree dip should be collared 50-65 metres north of the quartz vein swarm target and the sulphide zone target at an azimuth of 180 degrees.

An approximate budget for this program including mobilzation, support (food, fuel, accommodations), assays, management, report etc. is $125,000. Contingent on the results of this intial program, the BN Zone may require further definition drilling which would involve 3,000-5,000 additional feet of core drilling.

REFERENCES

Allen, G. (1989): Valentine Mountain Property "C" Vein Ore Reserves, Beau Pre Exploration Ltd.

Fairchild, L.H. (1979): The Leech River Unit and Leech River Fault, Southern Vancouver Island, B.C.; M.Sc. Thesis, University of Washington.

Fairchild, L.H. (1982): Structure, Petrology, and Tectonic History of the Leech River Complex, NW of Victoria, Vancouver Island; Can. Journal of Earth Sciences, Vol. 19, pages 1817-1835.

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Simandl. G.J., (1994): Andalusite in British Columbia-New Exploration Targets, B.C. Geological Survey Branch and G.S.C.

Valentine Gold Corp. (1988): Valentine Mountain Project Report.

Wingert, G.A. (1984): Structure and Metamorphism of the Valentine Mountain Area, SW Vancouver Island

CERTIFICATE

I, Andris Kikauka, of Vancouver, B.C., hereby certify that;

1. I am a graduate of Brock University, St. Catharines, Ont., with an Honours Bachelor of Science Degree in Geological Sciences, 1980.

2. I am a Fellow in good standing with the Geological Association of Canada.

3. I am registered in the Province of British Columbia as a Professional Geoscientist.

4. I have practised my profession for eighteen years in precious and base metal exploration in the Cordillera of Western Canada and South America, and for three years in uranium exploration in the Canadian Shield.

5. The information, opinions, and recommendations in this report are based on fieldwork carried out in my presence on the subject properties and on published and unpublished literature and maps.

6. I have no direct or indirect interest with Beau Pre Explorations Ltd & the subject property.

7. I consent to the use of this report in a Prospectus or Statement of Material Facts for the purpose of private or public financing.

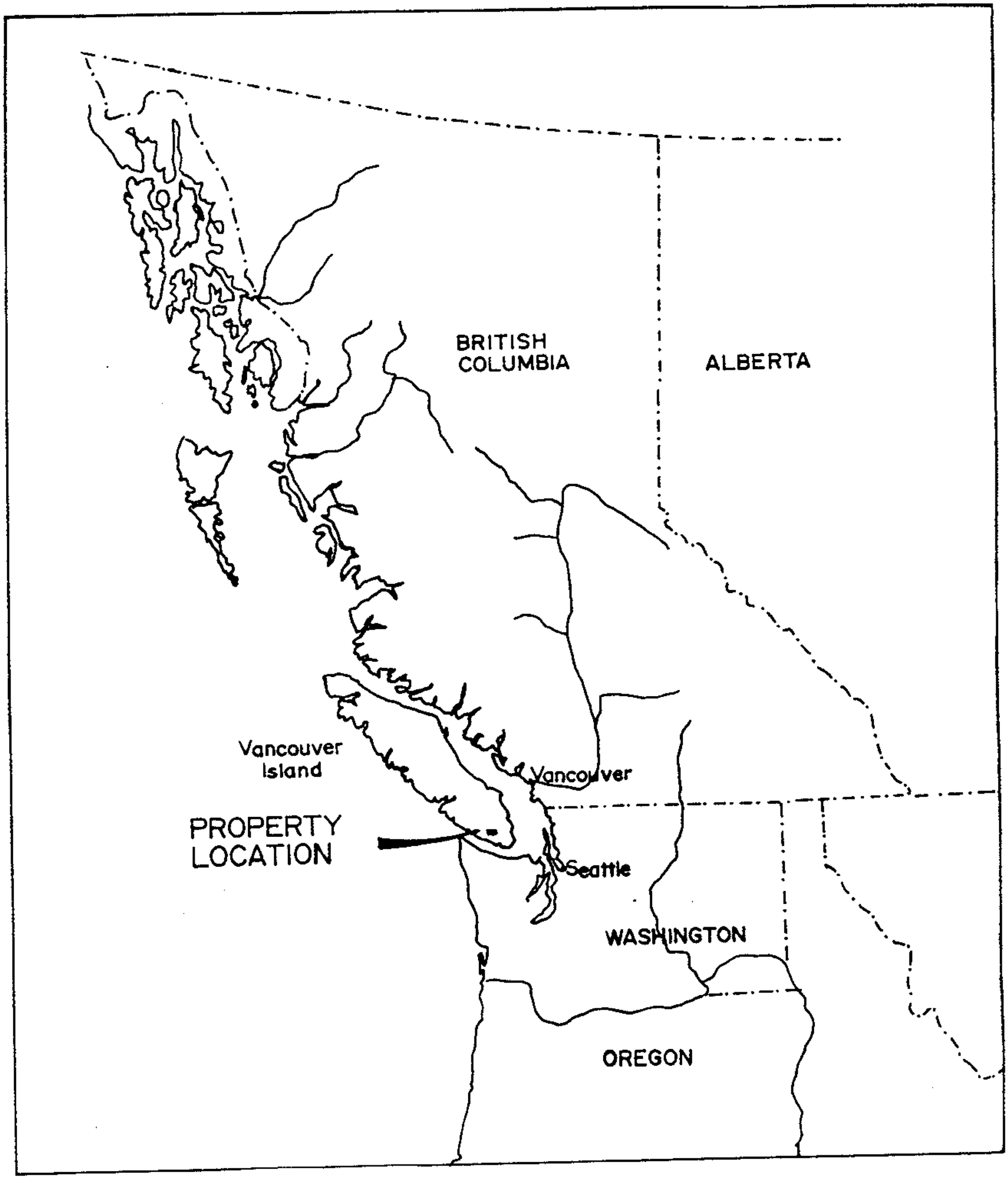
Andris Kikauka, P. Geo.,

A. Kikauka

June 16, 1998

ITEMIZED COST STATEMENT- BLAZE 2 CLAIM (PART OF THE WEST LEECH CLAIM GROUP), APRIL 24 TO DEC. 31, 1997
VICTORIA MINING DIVISION, NTS 92 B 12/W

FIELD CREW:	
Andris Kikauka, Geologist 10 days	$ 2,000.00
Simon Salmon, Geotechnician, 10 days	1,750.00
Jamie Pincombe, Geotechnician, 4 days	600.00
John Telegus, Geotechnician, 2 days	300.00
FIELD COSTS:	
104 rock samples, Au assay and 30 element ICP	2,912.00
63 soil samples, Au geochem and 30 element ICP	882.00
Truck rental, 10 days	885.00
Report	260.00
Total=	$ 9,589.00



GENERAL LOCATION MAP

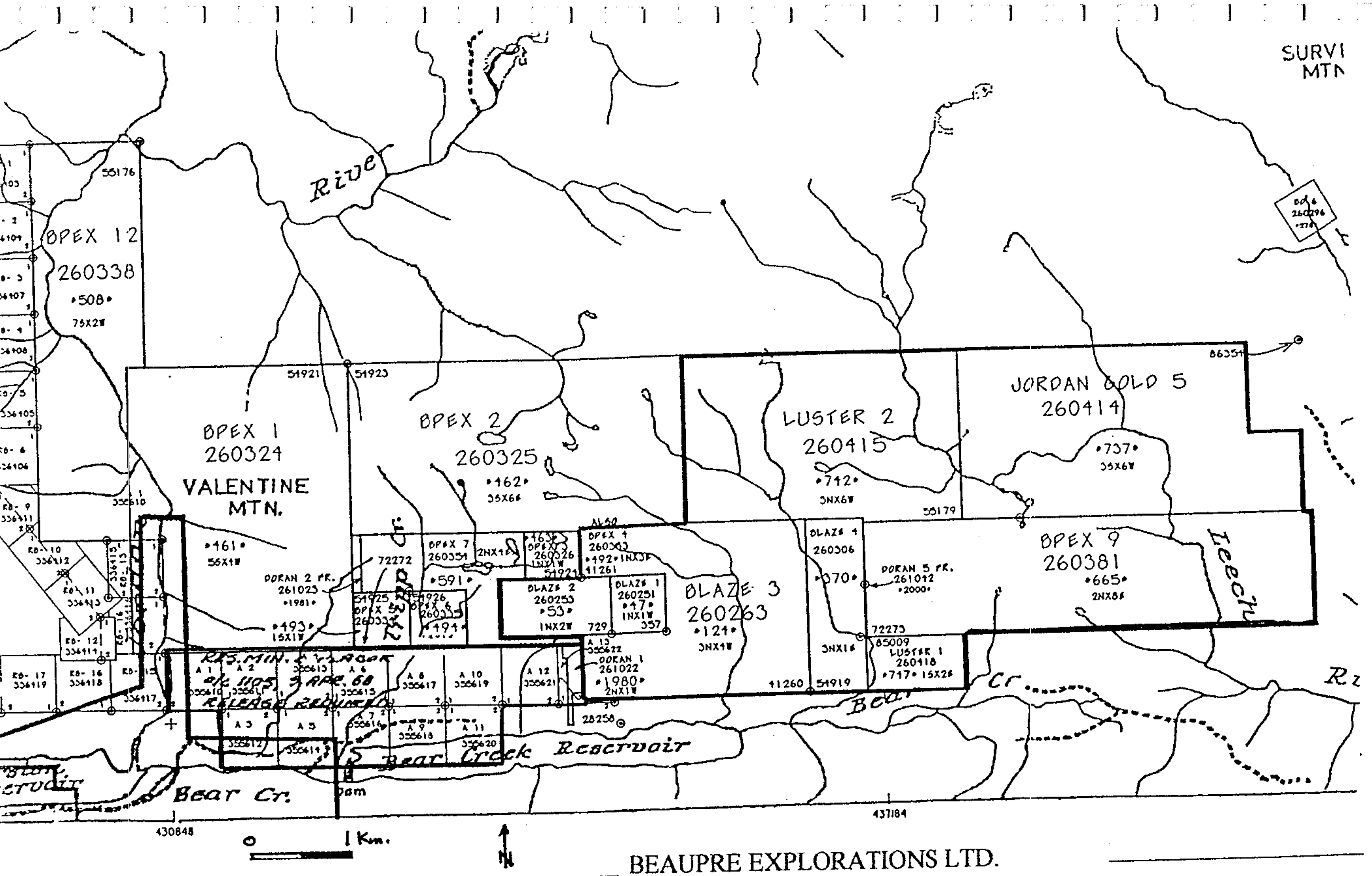
WEST LEECH CLAIMS

VICTORIA MINING DIVISION

Scale 1:12,000,000 FIG. 1

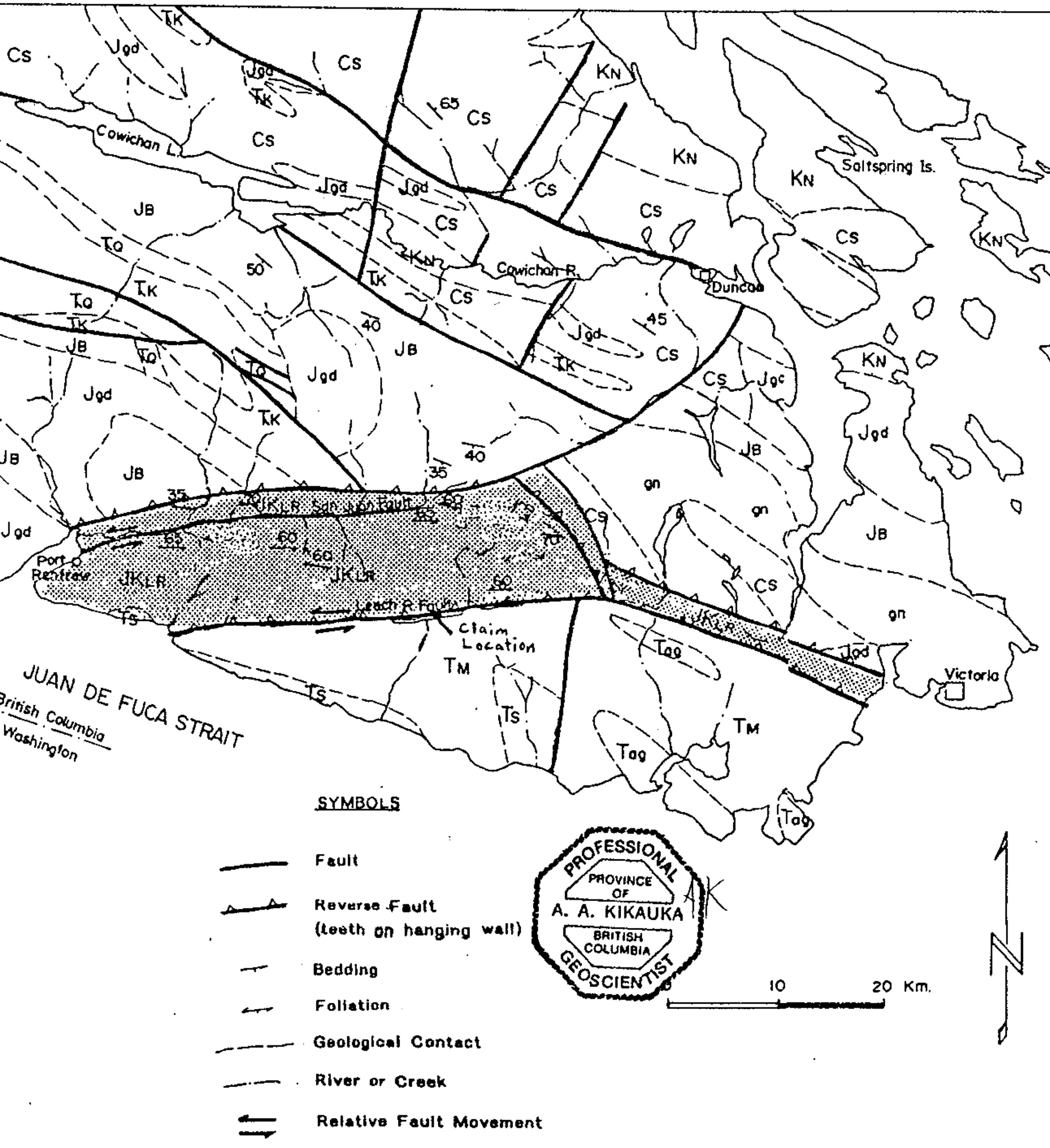
0 320 640 Km.

BEAUPRE EXPLORATIONS LTD.



BEAUPRE EXPLORATIONS LTD.
WEST LEECH CLAIM LOCATION MAP
Victoria Mining Division, NTS 92 B/12 W Fig. 2

PROFESSIONAL
PROVINCE OF
A. A. KIKAUKA
BRITISH COLUMBIA
GEOSCIENTIST



GENERAL GEOLOGY - SOUTHERN VANCOUVER ISLAND FIG. 3

LEGEND

TERTIARY (SEDIMENTS AND VOLCANICS)

Ts	Sooke Group- sandstone, shale, conglomerate
TM	Metchosin Group- pillow basalt, flows, tuff, tuff breccia

TERTIARY (INTRUSIVES)

Tag	Sooke Group- augite gabbro

CRETACEOUS (SEDIMENTS)

KN	Nanaimo Group- sandstone, shale, conglomerate

JURASSIC AND CRETACEOUS (SEDIMENTS AND VOLCANICS)

JKLR	Leech R. Group- phyllite, schist (metamorphosed pelitic, arenaceous, volcanic rocks, and chert) minor quartz-feldspar-biotite gneiss sills and quartz-feldspar-muscovite dykes

JURASSIC (VOLCANICS)

JB	Bonanza Group- andesite, dacite, rhyolite

JURASSIC (INTRUSIVES)

Jgd	Granodiorite

TRIASSIC (SEDIMENTS AND VOLCANICS)

TQ	Quatsino Group- limestone, siltstone, argillite
TK	Karmutsen Group- basalt, pillow lava

CARBONIFEROUS (VOLCANICS)

CS	Sicker Group- meta-andesite, dacite

PALEOZOIC (INTRUSIVES)

gn	Colquitz gneiss diorite

after J.E. Muller, 1980-82

BEAUPRE EXPLORATIONS LTD.

FIG. 3

ASSAY CE. IFICATE

Applied Mine Technologies Inc. PROJECT 1960 File # 97-1675 Page 1
4599 Tillicum St., Burnaby BC V5J 3J9

SAMPLE#	S.Wt gm	Au+100 mg	+100 gm	Au-100 opt	NAu mg	AvgAu opt	DupAu opt
311	525	<.001	26.9	<.001	<.01	<.001	-
313	467	<.001	20.0	.003	<.01	.003	<.001
314	481	<.001	16.4	<.001	<.01	<.001	-
315	484	<.001	28.1	<.001	<.01	<.001	-
317	535	<.001	21.2	<.001	<.01	<.001	-
319	498	<.001	28.0	<.001	<.01	<.001	
97-AR-01	503	.022	21.2	<.001	.02	.001	
97-AR-02	517	.014	24.7	.014	<.01	.014	-
97-AR-03	462	.004	25.0	.001	<.01	.001	-
97-AR-04	468	.015	15.8	.001	.01	.002	-
97-AR-05	492	1.795	14.5	.069	1.76	.173	-
97-AR-06	515	.014	18.4	.001	.01	.002	-
97-AR-07	488	.109	9.4	.012	.11	.019	<.001

-100 AU BY FIRE ASSAY FROM 1 A.T. SAMPLE. DUPAU: AU DUPLICATED FROM -100 MESH. +100 AU - TOTAL SAMPLE FIRE ASSAY.
- SAMPLE TYPE: P1 ROCK P2 TO P3 SOIL

DATE RECEIVED: APR 11 1997 **DATE REPORT MAILED:** Apr 22/97 **SIGNED BY**...........D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of the analysis only.

Data___ FA ___

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC [illegible] 1R[illegible] PHONE(6[illegible])253-[illegible] F[illegible](604)[illegible]-17[illegible]

GEOCHEMICAL ANALYSIS CERTIFICATE

Applied Mine Technologies Inc. PROJECT 1960 File # 97-1675 Page 1

4599 Tillicum St., Burnaby BC V5J 3J9

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
311	5	7	<3	3	<.3	13	1	36	.43	<2	<5	<2	2	1	.2	<2	<2	2	.01	.001	<1	269	.01	8	<.01	<3	.02	.01	<.01	<2
313	6	8	<3	2	<.3	17	1	48	.57	2	<5	<2	<2	1	<.2	<2	<2	2	.01	.001	<1	359	.01	8	<.01	<3	.03	<.01	.01	<2
RRE 313	6	9	<3	3	.5	17	1	48	.57	<2	<5	<2	<2	1	<.2	<2	3	3	.01	.002	1	356	.01	35	<.01	<3	.03	<.01	<.01	<2
314	6	8	<3	2	1.6	17	1	49	.56	2	<5	<2	<2	1	.2	<2	<2	3	.01	.001	<1	344	.01	29	<.01	<3	.04	<.01	<.01	<2
315	4	6	<3	2	1.9	11	1	56	.43	<2	<5	<2	<2	1	<.2	<2	<2	4	.01	.002	<1	221	.04	33	.01	<3	.08	.01	.05	<2
317	5	6	<3	1	.7	13	1	37	.45	2	<5	<2	<2	1	<.2	<2	<2	2	.01	.002	<1	266	.01	16	<.01	<3	.03	<.01	<.01	<2
319	3	5	<3	4	2.6	9	1	52	.44	4	<5	<2	<2	1	<.2	<2	<2	5	.01	.004	<1	183	.06	31	.01	3	.10	<.01	.01	<2
97-AR-01	4	12	<3	9	1.7	15	3	112	.82	191	<5	<2	<2	5	<.2	<2	<2	11	.12	.051	1	222	.14	25	.01	<3	.23	.01	.07	<2
97-AR-02	3	27	<3	48	1.4	34	7	219	2.23	117	<5	<2	2	37	<.2	2	<2	45	.31	.071	3	201	.77	131	.09	<3	1.61	.05	.68	55
97-AR-03	5	11	<3	4	5.4	16	2	105	.72	66	<5	<2	<2	7	<.2	<2	4	5	.08	.040	2	297	.06	30	.01	<3	.12	.01	.02	<2
97-AR-04	5	13	<3	13	2.7	18	4	193	1.17	209	<5	<2	<2	10	<.2	<2	<2	14	.13	.056	2	278	.20	101	.04	<3	.48	.02	.22	37
97-AR-05	3	172	<3	43	4.0	7	5	402	3.82	769	<5	<2	<2	27	<.2	<2	<2	21	.22	.100	3	100	.90	242	.14	<3	1.41	.06	.58	<2
97-AR-06	3	32	<3	81	6.0	54	11	483	4.04	22	<5	<2	3	37	<.2	<2	2	112	.44	.064	5	200	1.50	649	.26	<3	2.71	.10	1.73	<2
97-AR-07	4	27	3	25	2.9	25	5	189	2.03	38	<5	<2	3	17	.2	<2	<2	36	.15	.049	4	245	.65	148	.06	<3	1.14	.03	.39	<2
RRE 97-AR-07	4	26	<3	24	3.4	25	5	188	2.00	42	<5	<2	4	17	<.2	<2	<2	36	.15	.052	4	228	.65	106	.06	<3	1.12	.03	.39	2
STANDARD C3	25	66	29	161	5.5	35	12	732	3.49	58	19	3	16	32	24.4	13	21	82	.64	.094	17	167	.68	153	.10	19	1.99	.04	.18	21

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.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: P1 ROCK P2 TO P3 SOIL

DATE RECEIVED: APR 11 1997 **DATE REPORT MAILED:** April 22/97 **SIGNED BY**.......D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

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File: Val. Mtn

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Data ___ FA ___

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

ASSAY CERTIFICATE

Applied Mine Technologies Inc. PROJECT VALENTINE/1960 File # 97-1784 Page 1

4592 Tillicum St., Burnaby BC V5J 3J9

SAMPLE#	S.Wt gm	Au+100 mg	+100 gm	Au-100 opt	NAu mg	AvgAu opt	DupAu opt	
251	1038	<.001	20.4	<.001	<.01	<.001	-	
252	1062	<.001	12.4	<.001	<.01	<.001	-	
253	1068	.002	20.5	.012	<.01	.012	-	
254	1059	.003	24.6	.002	<.01	.002	-	
255	1128	.006	45.9	.005	<.01	.005	-	0.006 opt Au/3.5 m.
256	1041	.026	31.9	.018	.01	.018	-	
257	1087	.002	23.3	.002	<.01	.002	-	
258	1061	.001	14.6	.006	<.01	.006		
259	1069	.011	30.6	.010	<.01	.010		
260	1062	.002	30.7	.002	<.01	.002		0.007 opt Au/2.0 m.
261	1074	.003	23.8	.009	<.01	.009	-	
262	1117	.001	24.3	.004	<.01	.004	-	
263	1097	.040	32.0	.008	.03	.009	-	
264	1084	.016	37.2	.008	.01	.008	-	
265	1095	.022	22.0	.007	.02	.008	-	
266	1123	.027	24.8	.013	.02	.014	-	0.008 opt Au/3.0 m.
267	1082	.001	16.9	.004	<.01	.004	-	
268	1042	.028	19.0	.015	.02	.016	-	
269	1071	.188	25.2	.035	.16	.039	-	
270	1052	.148	15.4	.022	.14	.026	.022	0.024 opt Au/2.7m.
271	1079	.006	27.3	.007	<.01	.007	-	
272	1113	.116	36.8	.032	.08	.034	-	
273	1034	.002	17.1	.004	<.01	.004	-	0.004 opt Au/0.6 m.
274	1120	.061	10.8	.004	.06	.006	-	
275	1083	.001	16.2	.004	<.01	.004		
276	1100	.003	20.0	.007	<.01	.007	-	
277	1084	.002	19.1	.007	<.01	.007	-	0.007 opt Au/3.0m.
278	1076	.002	30.8	.003	<.01	.003	-	
279	1072	.270	36.6	.008	.26	.015	-	
280	1072	.470	38.1	.085	.36	.095	-	0.095 opt Au/0.5m.
281	1068	.017	21.7	.007	.01	.007	-	
282	1059	.063	13.4	.012	.06	.014	-	
283	1082	.020	41.2	.012	<.01	.012	-	

-100 AU BY FIRE ASSAY FROM 1 A.T. SAMPLE. DUPAU: AU DUPLICATED FROM -100 MESH. +100 AU - TOTAL SAMPLE FIRE ASSAY.
- SAMPLE TYPE: ROCK

DATE RECEIVED: APR 18 1997 DATE REPORT MAILED: April 29/97 SIGNED BY. C. Leung ......D.TOYE, C.LEUNG, J.WANG; CERTIFIED B.C. ASSAYERS

All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of the analysis only.

Data___ FA YNg

ACME ANALYTICAL

Applied Mine Technologies Inc. PROJECT VALENTINE/1960 FILE # 97-1784

ACME ANALYTICAL

SAMPLE#	S.Wt gm	Au+100 mg	+100 gm	Au-100 opt	NAu mg	AvgAu opt	DupAu opt	
284	1107	.004	40.1	.004	<.01	.004	-	
* 285	1086	.004	41.6	.004	<.01	.004	-	
* 286	1097	.075	31.4	.012	.06	.014	-	
287	1031	.025	24.1	.004	.02	.005	-	
288	1090	.004	28.3	.005	<.01	.005	-	
* 289	1169	.007	42.1	.010	<.01	.010	-	0.008 opt Au/7.0m.
* 290	1112	.101	35.2	.011	.09	.013	-	
291	1045	.003	28.7	.007	<.01	.007	-	
292	1115	.005	24.8	.007	<.01	.007	-	
293	1082	.004	43.3	.004	<.01	.004	-	
294	1068	.005	28.7	.006	<.01	.006	-	
295	1092	.001	38.5	.001	<.01	.001	-	
296	1051	<.001	20.4	<.001	<.01	<.001	-	
297	1068	.001	29.2	<.001	<.01	<.001	-	0.001 opt Au/2.0m.
298	1048	.001	25.7	.001	<.01	.001	-	
299	1037	<.001	21.3	<.001	<.01	<.001	-	
300	1100	.001	17.7	.001	<.01	.001	-	0.001 opt Au/0.1m.
* 301	1118	.172	32.8	.016	.15	.020	.001	0.020 opt Au/0.1m.
302	1120	.001	20.9	.001	<.01	.001	-	
303	1085	.001	22.6	<.001	<.01	<.001	-	
* 304	1140	.086	46.6	.015	.06	.017	-	0.017 opt Au/0.1m.
305	1105	.001	22.8	.001	<.01	.001	-	
306	1100	.049	16.4	.001	.05	.002	-	
307	1068	.239	14.1	.034	.22	.040	-	0.040 opt Au/0.1m.
308	1100	.004	39.6	.005	<.01	.005	-	
309	1102	.001	28.1	.001	<.01	.001	-	
310	1068	<.001	11.4	<.001	<.01	<.001	-	
312	1042	<.001	12.2	<.001	<.01	<.001	-	
316	1032	<.001	10.9	<.001	<.01	<.001	-	
318	1060	<.001	12.0	<.001	<.01	<.001	-	
320	1105	.018	19.6	.002	.02	.003	-	
321	1103	<.001	15.1	.001	<.01	.001	-	
322	1113	<.001	11.9	<.001	<.01	<.001	-	
323	1177	<.001	16.2	<.001	<.01	<.001	-	

Sample type: ROCK.

* Subject to reassay check for -100 mesh fire assay

All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of the analysis only.

Date ___ FA ___

ACME ANALYTICAL

Applied Mine Technologies Inc. PROJECT VALENTINE/1960 FILE # 97-1784 Page 3

ACME ANALYTICAL

SAMPLE#	S.Wt gm	Au+100 mg	+100 gm	Au-100 opt	NAu mg	AvgAu opt	DupAu opt
324	1148	<.001	14.3	<.001	<.01	<.001	-
325	1112	.007	15.7	<.001	.01	<.001	-
326	1088	<.001	14.1	<.001	<.01	<.001	-
327	1052	.008	16.6	.015	<.01	.015	-
328	1035	.018	14.2	.003	.02	.004	-
329	1125	.038	22.4	.003	.04	.004	-
330	1067	.008	19.8	.004	.01	.004	-
331	1058	<.001	19.6	<.001	<.01	<.001	-
332	1070	.009	18.4	.002	.01	.002	-
333	1057	.001	16.4	.001	<.01	.001	-
334	1083	.011	18.7	.002	.01	.002	-
335	1058	.001	19.9	.002	<.01	.002	-
336	1072	<.001	32.0	<.001	<.01	<.001	-
337	1108	<.001	13.5	<.001	<.01	<.001	-
338	1067	<.001	14.6	.001	<.01	.001	.001
339	1078	.060	15.5	.002	.06	.004	-
340	1040	.001	13.9	.001	<.01	.001	-
341	1135	.002	22.2	.003	<.01	.003	-
342	1045	.829	18.4	.038	.81	.061	- = 0.061 opt Au/0.5m
343	1035	.021	18.2	<.001	.02	.001	-
344	1053	.001	17.8	.002	<.01	.002	-
345	1097	.004	14.2	.003	<.01	.003	-
346	1083	.003	37.9	.001	<.01	.001	-
347	1038	<.001	25.1	<.001	<.01	<.001	-
97-AR-08	1036	<.001	18.6	.001	<.01	.001	-

Sample type: ROCK.

All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of the analysis only.

Data__ FA [illegible]

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Applied Mine Technologies Inc. PROJECT VALENTINE/1960 File # 97-1784 Page 1

4599 Tillicum St., Burnaby BC V5J 3J9

SAMPLE#	Ag ppm	Al %	As ppm	Au ppm	B ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sr ppm	Th ppm	Ti %	U ppm	V ppm	W ppm	Zn ppm
251	<.3	3.14	6	<2	<3	324	3	.13	.7	17	111	62	4.75	1.66	7	1.94	403	1	.04	56	.050	<3	<2	11	2	.23	14	124	<2	25
252	<.3	2.80	9	<2	<3	315	<2	.20	.7	13	130	63	4.25	1.59	7	1.65	317	2	.04	45	.089	4	2	15	3	.21	<5	109	<2	16
253	.3	2.84	9	<2	<3	316	<2	.17	.5	15	114	67	4.24	1.53	7	1.73	323	1	.04	62	.069	<3	4	10	<2	.22	<5	113	<2	16
254	<.3	2.91	42	<2	<3	302	<2	.17	.4	19	94	63	4.31	1.64	6	1.76	257	<1	.04	68	.068	<3	<2	9	<2	.22	<5	107	<2	12
255	<.3	2.98	31	<2	<3	310	2	.18	<.2	17	92	83	4.49	1.63	5	1.81	278	<1	.03	71	.084	<3	2	9	<2	.22	<5	104	<2	10
256	<.3	2.88	53	<2	<3	332	<2	.14	.3	17	124	86	4.51	1.66	6	1.82	315	<1	.03	75	.059	<3	<2	8	<2	.23	8	111	<2	13
257	<.3	3.10	48	<2	<3	325	<2	.15	.3	18	82	81	4.83	1.73	5	1.99	328	<1	.03	69	.069	<3	2	6	2	.23	10	111	<2	10
258	<.3	2.56	107	<2	<3	218	<2	.13	<.2	15	79	56	4.02	1.35	7	1.58	260	<1	.02	57	.065	<3	<2	7	<2	.18	<5	90	<2	15
259	<.3	3.08	64	<2	<3	328	<2	.16	<.2	19	90	86	4.84	1.91	5	1.90	285	<1	.04	69	.069	<3	2	9	<2	.26	9	116	<2	21
260	<.3	3.17	84	<2	<3	317	2	.14	.2	17	126	65	4.81	1.84	8	1.85	296	<1	.04	65	.066	5	<2	10	<2	.24	<5	107	<2	29
261	<.3	2.67	50	<2	<3	249	<2	.11	<.2	13	95	67	4.16	1.36	5	1.61	307	<1	.03	44	.059	29	2	10	<2	.19	<5	94	<2	12
262	<.3	2.66	63	<2	<3	314	<2	.11	.5	14	71	40	4.09	1.52	7	1.65	299	<1	.03	38	.057	<3	2	9	3	.21	<5	101	<2	45
263	<.3	2.83	103	<2	<3	337	<2	.12	<.2	17	105	62	4.45	1.61	5	1.80	333	<1	.03	65	.064	6	<2	9	<2	.22	<5	115	4	20
264	<.3	2.53	69	<2	<3	263	<2	.10	<.2	11	91	52	4.22	1.43	6	1.59	301	<1	.03	37	.065	5	<2	11	3	.20	<5	91	6	18
265	<.3	3.08	158	<2	<3	329	<2	.14	.4	19	136	59	4.79	1.72	8	1.86	350	<1	.04	56	.067	6	<2	13	2	.22	7	113	9	22
266	<.3	2.46	97	<2	<3	257	<2	.13	.2	14	86	57	4.13	1.44	4	1.63	309	<1	.02	52	.062	<3	3	6	2	.19	<5	91	18	16
267	<.3	2.44	204	<2	<3	291	<2	.18	<.2	11	205	55	3.86	1.77	6	1.46	346	2	.06	49	.072	<3	4	17	2	.18	<5	101	22	32
268	<.3	2.13	90	<2	<3	209	<2	.13	<.2	11	90	40	3.29	.96	6	1.32	304	<1	.03	43	.058	5	<2	19	<2	.14	<5	78	<2	14
269	<.3	3.05	201	<2	<3	320	<2	.18	<.2	15	170	50	4.29	1.61	8	1.70	304	1	.06	60	.072	<3	2	27	5	.22	5	111	2	20
270	.4	2.92	364	<2	<3	294	<2	.12	<.2	14	148	53	4.35	1.69	8	1.59	333	<1	.05	52	.059	5	2	16	5	.23	7	98	<2	85
RE 270	<.3	2.83	346	<2	<3	284	<2	.12	.2	14	143	50	4.21	1.61	7	1.53	320	1	.05	48	.058	8	3	15	4	.22	<5	94	5	82
271	<.3	3.57	1120	<2	<3	403	<2	.36	<.2	18	158	94	4.69	1.55	8	1.70	399	1	.12	64	.074	7	3	53	2	.22	<5	108	2	83
272	.3	2.76	177	<2	<3	243	<2	.14	.2	16	82	52	4.30	1.69	5	1.69	360	<1	.04	57	.062	<3	2	13	3	.23	<5	87	9	90
273	<.3	2.86	121	<2	<3	237	<2	.14	<.2	14	152	34	4.14	1.23	9	1.66	388	1	.05	47	.059	6	2	18	<2	.17	<5	91	<2	41
274	<.3	2.86	31	<2	<3	251	<2	.14	.2	13	91	43	4.48	1.34	5	1.74	316	<1	.02	45	.065	<3	<2	11	2	.21	<5	105	<2	27
275	<.3	3.10	9	<2	<3	335	<2	.14	<.2	15	91	67	4.66	1.67	6	1.90	310	<1	.03	48	.061	<3	<2	13	2	.24	<5	119	<2	20
276	<.3	2.97	63	<2	<3	325	<2	.16	<.2	19	151	67	4.39	1.58	7	1.72	306	1	.05	65	.064	<3	<2	13	4	.22	<5	105	<2	16
277	<.3	3.60	64	<2	<3	420	4	.17	<.2	17	122	61	5.31	2.00	7	2.08	383	<1	.05	51	.086	<3	3	16	3	.28	<5	129	4	25
278	<.3	3.15	120	<2	<3	312	<2	.12	<.2	15	112	62	4.90	1.51	8	1.90	387	<1	.04	51	.059	8	2	12	2	.20	<5	108	3	17
279	<.3	2.87	124	<2	<3	339	<2	.20	.2	19	140	66	4.28	1.57	7	1.67	295	2	.06	69	.079	3	<2	14	<2	.21	<5	109	4	10
280	<.3	2.22	633	<2	<3	215	<2	.25	.2	12	165	57	3.11	.94	5	1.03	268	2	.06	48	.058	16	121	49	2	.13	<5	62	23	55
281	<.3	2.78	69	<2	<3	328	<2	.16	<.2	13	153	48	3.93	1.52	6	1.55	315	2	.06	54	.064	<3	2	20	3	.21	<5	97	<2	12
282	.3	2.82	50	<2	<3	314	<2	.13	<.2	15	173	61	4.26	1.61	7	1.64	278	1	.05	62	.062	<3	5	10	2	.22	<5	99	3	12
283	<.3	3.43	69	<2	<3	374	2	.15	<.2	16	158	50	4.66	1.71	10	1.89	362	2	.06	64	.067	<3	4	14	2	.23	6	117	2	21
STANDARD C3	5.4	2.01	57	3	20	154	21	.60	23.1	12	169	63	3.46	.20	16	.70	726	25	.04	36	.090	29	19	30	17	.11	20	83	22	147

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.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: ROCK   Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: APR 18 1997 DATE REPORT MAILED: April 29/97 SIGNED BY.........D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of the analysis only.

Data___ FA ___

Applied Mine Technologies Inc. PROJECT VALENTINE/1960 FILE # 97-1784 Page 2

SAMPLE#	Ag ppm	Al %	As ppm	Au ppm	B ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sr ppm	Th ppm	Ti %	U ppm	V ppm	W ppm	Zn ppm
284	<.3	3.58	27	<2	<3	424	<2	.17	.3	15	178	70	4.95	2.01	9	1.96	353	1	.06	64	.076	<3	2	17	7	.27	<5	126	<2	32
285	<.3	2.99	53	<2	<3	359	<2	.17	<.2	15	135	55	4.01	1.56	9	1.56	321	2	.07	65	.060	4	<2	15	5	.22	<5	95	<2	50
286	<.3	2.75	43	<2	<3	351	<2	.26	.3	13	194	49	3.75	1.49	7	1.43	289	2	.08	58	.082	3	<2	20	6	.21	5	95	6	24
287	<.3	3.37	37	<2	<3	429	<2	.24	.2	16	187	85	4.68	1.90	8	1.80	315	3	.10	76	.068	4	<2	21	6	.27	<5	119	2	38
288	<.3	3.17	64	<2	<3	372	<2	.37	<.2	15	180	52	3.94	1.66	9	1.54	316	2	.12	60	.088	<3	<2	32	5	.23	<5	100	5	58
289	<.3	3.13	59	<2	<3	372	<2	.25	<.2	15	153	61	4.13	1.67	8	1.63	279	2	.08	62	.076	<3	<2	22	4	.23	<5	102	<2	29
290	<.3	3.76	90	<2	<3	506	2	.47	<.2	17	172	67	4.57	1.96	9	1.83	348	1	.13	70	.117	<3	2	36	6	.27	<5	136	3	50
291	<.3	3.42	95	<2	<3	423	<2	.28	<.2	16	162	70	4.39	1.82	9	1.73	316	2	.11	70	.076	4	<2	26	7	.26	<5	117	6	37
292	.3	3.18	69	<2	<3	392	<2	.34	<.2	14	189	53	3.95	1.63	8	1.55	321	1	.12	63	.083	6	2	32	5	.23	<5	112	2	26
293	<.3	3.47	32	<2	<3	434	<2	.26	<.2	16	153	80	4.56	1.88	8	1.80	314	2	.10	72	.065	<3	<2	25	1	.27	5	124	<2	35
294	<.3	3.65	96	<2	<3	462	<2	.38	<.2	19	197	68	4.41	1.79	9	1.71	345	2	.14	49	.072	<3	3	41	5	.25	<5	124	4	19
295	<.3	3.25	67	<2	<3	401	<2	.21	<.2	15	147	60	4.13	1.69	9	1.64	290	2	.08	66	.069	<3	<2	21	5	.24	5	110	<2	16
296	<.3	3.40	43	<2	<3	468	<2	.32	.4	13	198	57	4.20	1.71	8	1.66	359	2	.12	62	.076	5	<2	34	5	.25	6	125	3	7
297	<.3	2.98	66	<2	<3	368	<2	.32	<.2	15	165	33	3.54	1.38	10	1.40	293	3	.09	55	.092	7	2	33	3	.20	<5	105	3	15
298	<.3	2.83	19	<2	<3	273	<2	.20	<.2	13	229	40	3.53	1.19	9	1.28	313	3	.05	57	.073	8	<2	17	4	.18	<5	85	5	9
299	<.3	.11	7	<2	<3	13	<2	.02	<.2	2	213	6	.66	.03	<1	.04	63	7	.01	19	.008	<3	<2	2	<2	.01	<5	5	<2	<1
300	<.3	1.82	307	<2	<3	262	<2	.79	.7	10	142	15	2.99	1.03	7	1.13	459	3	.07	27	.051	9	2	15	6	.19	<5	71	9	44
301	.4	.10	106	3	3	13	2	.06	<.2	1	172	5	.56	.01	1	.05	67	6	.01	15	.025	25	<2	4	<2	.01	<5	4	<2	1
302	<.3	1.79	433	<2	<3	228	<2	.60	.2	11	102	16	2.94	1.03	6	1.14	462	2	.06	24	.050	6	<2	13	3	.18	<5	67	5	65
RE 302	<.3	1.86	435	<2	<3	237	<2	.63	<.2	11	106	16	3.05	1.06	5	1.18	480	1	.06	25	.051	4	<2	14	3	.19	<5	69	7	46
303	<.3	1.90	319	<2	<3	262	<2	.35	.2	10	94	16	2.93	1.04	6	1.17	472	2	.06	24	.051	<3	<2	12	4	.20	<5	71	2	42
304	.6	.35	365	5	<3	42	<2	.10	<.2	2	171	5	.98	.13	1	.19	110	3	.01	13	.048	39	<2	6	<2	.03	<5	13	6	6
305	<.3	1.79	82	<2	<3	207	<2	.22	<.2	9	86	13	2.80	.97	7	1.11	426	2	.05	23	.052	7	<2	9	6	.17	11	63	<2	62
306	<.3	1.54	39	<2	<3	218	<2	.13	<.2	8	112	12	2.51	.80	6	.96	384	1	.05	20	.044	6	<2	8	3	.16	<5	58	4	36
307	.9	1.67	2623	11	<3	187	<2	.14	<.2	8	114	5	2.78	.77	6	1.86	429	3	.05	23	.040	11	2	12	4	.16	<5	59	2	33
308	<.3	3.56	15	<2	<3	693	<2	.22	<.2	20	110	16	5.04	2.22	9	2.12	526	1	.06	47	.069	<3	<2	17	6	.36	<5	146	8	110
309	<.3	3.07	20	<2	<3	576	<2	.28	<.2	16	125	29	4.57	1.95	7	1.79	477	1	.07	50	.064	<3	2	20	5	.32	<5	120	4	96
310	<.3	1.67	14	<2	<3	204	<2	.21	<.2	9	86	15	2.64	1.06	7	1.03	513	1	.07	21	.051	4	2	13	5	.20	<5	67	4	34
312	<.3	1.65	20	<2	<3	192	<2	.22	<.2	8	81	14	2.47	.94	4	.96	537	1	.06	21	.053	<3	<2	14	3	.19	<5	65	2	26
316	<.3	1.75	28	<2	<3	202	<2	.25	.2	9	93	11	2.60	.97	6	1.04	617	1	.07	20	.058	7	<2	17	5	.19	<5	68	3	27
318	<.3	1.68	10	<2	<3	178	<2	.23	<.2	9	78	10	2.68	.99	5	1.04	501	2	.06	21	.050	<3	<2	12	4	.19	7	67	<2	36
320	<.3	1.90	593	<2	<3	271	2	.20	.2	6	113	18	3.22	1.18	7	1.22	424	1	.08	17	.058	<3	<2	31	<2	.23	6	95	5	45
321	<.3	1.72	404	<2	<3	248	<2	.16	<.2	5	96	18	3.00	1.07	6	1.11	354	2	.07	14	.048	<3	3	14	4	.22	<5	97	6	41
322	<.3	1.60	91	<2	<3	414	<2	.17	<.2	5	101	30	2.94	.92	5	1.05	384	1	.05	11	.048	<3	<2	13	<2	.21	<5	82	4	37
323	<.3	1.92	88	<2	<3	491	<2	.19	.2	7	122	32	3.12	1.23	5	1.27	453	3	.06	21	.051	<3	4	11	2	.25	6	90	5	115
STANDARD C3	5.4	1.95	58	4	19	149	23	.58	23.1	12	178	60	3.43	.15	16	.67	724	24	.04	38	.088	36	13	29	21	.10	15	80	24	145

Sample type: ROCK. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

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Data___ FA ___

Applied Mine Technologies Inc. PROJECT VALENTINE/1960 FILE # 97-1784 Page 3

SAMPLE#	Ag ppm	Al %	As ppm	Au ppm	B ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sr ppm	Th ppm	Ti %	U ppm	V ppm	W ppm	Zn ppm
324	<.3	1.57	47	<2	<3	472	<2	.16	1.0	4	91	88	2.75	.85	6	1.04	310	1	.04	11	.052	<3	<2	15	<2	.20	<5	85	6	42
325	<.3	1.59	79	<2	<3	475	<2	.16	.9	5	99	36	2.87	.92	5	1.07	363	3	.06	14	.045	<3	<2	14	2	.21	6	85	<2	50
326	<.3	1.37	48	<2	<3	378	<2	.15	.4	3	95	63	2.57	.71	6	.93	255	1	.03	8	.043	<3	<2	16	2	.18	<5	79	8	32
327	<.3	1.73	2642	<2	<3	184	<2	.22	.4	6	117	20	2.70	1.04	3	1.07	360	3	.09	21	.027	<3	<2	18	<2	.17	<5	79	<2	37
328	<.3	1.92	1197	<2	<3	155	<2	.28	.2	11	136	30	2.96	1.04	4	1.17	614	2	.08	28	.035	<3	<2	20	<2	.28	<5	84	3	40
329	<.3	1.65	1708	<2	<3	110	<2	.39	<.2	8	107	27	2.60	.73	3	.89	291	2	.08	24	.055	<3	<2	35	<2	.15	<5	63	<2	36
330	<.3	1.73	711	<2	<3	137	<2	.20	<.2	8	120	21	3.11	1.13	5	1.12	354	2	.06	22	.054	<3	<2	13	2	.21	<5	84	4	55
331	<.3	1.00	624	<2	<3	60	<2	.20	<.2	8	101	25	2.27	.60	5	.66	238	2	.06	22	.041	49	<2	11	2	.14	<5	64	4	30
332	<.3	.91	1537	<2	<3	50	2	.20	<.2	8	108	26	2.42	.50	5	.61	255	1	.06	20	.028	<3	<2	12	<2	.12	<5	58	12	26
333	<.3	1.03	1899	<2	<3	57	<2	.22	<.2	7	91	17	2.35	.55	5	.68	270	2	.07	20	.030	<3	<2	13	<2	.12	<5	63	9	29
334	<.3	1.44	2960	<2	<3	84	2	.20	<.2	9	125	16	2.97	.92	6	.98	343	2	.07	24	.038	3	2	12	3	.17	<5	83	9	42
335	<.3	1.04	3474	<2	<3	48	<2	.26	<.2	10	85	18	2.52	.55	5	.71	262	1	.07	25	.043	<3	<2	13	2	.12	<5	68	5	29
336	<.3	1.13	1320	<2	<3	74	2	.28	<.2	2	107	15	2.58	.68	5	.77	275	1	.05	12	.049	<3	<2	11	3	.14	<5	71	5	33
337	<.3	1.16	1110	<2	<3	67	<2	.21	<.2	6	105	19	2.44	.73	5	.76	283	2	.06	20	.047	3	<2	11	2	.15	<5	67	4	34
338	<.3	.96	2437	<2	<3	50	<2	.26	<.2	6	111	17	2.20	.49	4	.61	271	1	.06	20	.061	<3	<2	13	<2	.11	<5	58	4	26
RE 338	<.3	.96	2476	<2	<3	50	<2	.25	<.2	7	113	18	2.20	.49	4	.61	271	1	.06	19	.061	<3	<2	13	<2	.11	<5	58	4	25
339	<.3	1.00	1724	<2	<3	62	<2	.22	<.2	4	87	18	2.27	.53	5	.64	224	2	.06	15	.042	12	<2	12	<2	.13	<5	64	7	28
340	<.3	.99	791	<2	<3	64	2	.19	<.2	4	105	18	2.37	.52	5	.65	210	1	.06	14	.038	<3	<2	12	<2	.15	<5	69	5	29
341	<.3	.91	966	<2	<3	59	<2	.24	<.2	9	88	20	2.35	.68	7	.62	216	1	.06	21	.054	<3	<2	12	2	.14	<5	66	4	29
342	<.3	1.09	2059	<2	<3	71	2	.18	.2	4	121	23	2.47	.67	5	.75	251	2	.06	14	.046	<3	<2	11	2	.14	<5	79	10	33
343	<.3	.99	640	<2	<3	81	<2	.25	<.2	7	109	27	2.33	.53	6	.62	228	2	.07	19	.056	<3	<2	15	2	.15	<5	63	3	30
344	<.3	1.72	1088	<2	<3	263	<2	.20	<.2	6	125	25	3.12	1.07	6	1.05	349	2	.06	19	.049	<3	<2	14	2	.21	<5	85	14	47
345	<.3	1.95	291	<2	<3	355	<2	.17	.2	7	90	20	3.14	1.26	6	1.25	417	2	.06	21	.054	<3	<2	16	3	.24	<5	90	<2	54
346	<.3	1.83	189	<2	<3	390	4	.21	<.2	7	79	29	3.03	.99	4	1.16	458	<1	.05	18	.062	<3	2	18	2	.22	<5	85	<2	45
347	<.3	.42	80	<2	<3	189	<2	.07	<.2	1	148	12	1.17	.27	2	.27	163	4	.03	15	.018	<3	2	6	<2	.07	<5	24	<2	8
97-AR-08	<.3	.05	2	<2	<3	6	2	.02	<.2	1	145	46	.94	.02	<1	<.01	26	2	.01	9	<.001	<3	<2	2	<2	<.01	<5	1	4	<1
STANDARD C3	5.3	2.07	57	3	19	151	25	.61	25.2	13	165	66	3.56	.16	18	.65	730	26	.04	36	.088	32	15	30	19	.10	22	83	20	162

Sample type: ROCK. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of the analysis only.

Date___ FA ___

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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
L17550E 20950N	1	5	5	27	<.3	6	6	134	1.78	148	11	<2	3	5	<.2
L17550E 20925N	1	7	<3	36	<.3	9	4	169	2.56	36	<5	<2	3	5	.3
L17550E 20900N	<1	3	<3	19	<.3	5	2	110	1.57	43	7	<2	2	4	.2
L17550E 20875N	1	4	<3	36	<.3	7	4	184	2.33	60	<5	<2	4	8	<.2
L17550E 20850N	1	3	5	21	<.3	6	3	117	2.14	102	17	<2	5	7	<.2
L17550E 20825N	<1	2	<3	10	<.3	3	1	40	.95	166	8	<2	3	5	<.2
L17550E 20800N	1	6	3	18	<.3	5	2	82	2.37	85	5	2	5	6	<.2
L17550E 20775N	1	1	5	21	<.3	4	2	80	2.20	22	<5	<2	4	5	.2
L17550E 20750N	<1	1	3	22	<.3	6	2	95	2.14	27	<5	<2	2	5	<.2
L17550E 20725N	<1	5	<3	26	<.3	7	3	116	2.36	37	<5	<2	6	6	<.2
L17600E 20950N	1	10	<3	29	<.3	9	4	184	2.41	58	<5	<2	<2	7	<.2
L17600E 20925N	<1	5	5	24	<.3	7	3	142	2.33	104	7	<2	4	8	.3
RE L17600E 20925N	1	6	<3	25	<.3	8	3	148	2.40	108	<5	<2	3	8	<.2
L17600E 20900N	1	4	<3	25	<.3	6	2	162	1.76	16	5	<2	<2	4	.5
L17600E 20875N	1	10	5	47	<.3	10	8	219	2.61	116	<5	<2	6	11	.4
L17600E 20850N	1	7	<3	33	<.3	10	4	139	2.81	62	<5	<2	5	8	.3
L17600E 20825N	1	6	4	28	<.3	11	4	166	2.29	49	<5	<2	2	5	<.2
L17600E 20800N	1	15	<3	40	<.3	13	6	186	2.67	129	5	<2	3	6	.5
L17600E 20775N	1	24	<3	44	<.3	19	7	202	3.17	188	<5	<2	5	8	<.2
L17600E 20750N	1	2	3	19	<.3	5	2	78	1.44	43	<5	<2	4	5	.4
L17600E 20725N	1	6	<3	30	.3	8	4	126	2.45	63	<5	<2	6	5	<.2
L17650E 20975N	1	7	5	32	<.3	9	5	138	2.61	31	6	<2	8	6	.4
L17650E 20950N	1	3	5	22	<.3	6	4	136	1.81	10	<5	<2	<2	6	.2
L17650E 20925N	1	7	4	36	<.3	10	5	221	2.39	58	<5	<2	3	9	.2
L17650E 20900N	1	3	<3	23	<.3	6	5	292	2.06	51	<5	<2	4	9	<.2
L17650E 20875N	<1	2	<3	18	<.3	5	3	176	1.29	30	<5	<2	2	5	<.2
L17650E 20850N	1	1	5	14	<.3	5	2	81	2.07	63	<5	<2	2	4	.3
L17650E 20825N	1	13	3	42	.3	17	23	252	2.84	85	<5	<2	2	7	.4
L17650E 20800N	<1	4	<3	17	<.3	7	3	87	2.30	64	10	<2	<2	4	.3
L17650E 20775N	1	6	3	21	<.3	10	4	109	3.10	55	<5	<2	3	5	.5
L17650E 20750N	1	5	3	16	<.3	6	2	74	2.03	189	<5	<2	<2	5	<.2
L17650E 20725N	<1	1	4	20	<.3	5	2	104	1.64	37	<5	<2	3	4	<.2
L17650E 20700N	1	11	<3	25	<.3	8	6	163	2.26	64	<5	<2	2	11	<.2
L17700E 20975N	2	8	3	35	<.3	9	5	114	2.59	66	<5	<2	3	6	.2
L17700E 20950N	1	6	4	27	<.3	8	4	124	2.26	11	<5	<2	5	7	.2
STANDARD C3/AU-S	25	68	33	148	5.3	35	12	736	3.27	55	17	3	22	30	23.6

SAMPLE#	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
L17550E 20950N	<2	7	51	.07	.013	5	17	.30	32	.16	3	1.01	.01	.06	<2	148
L17550E 20925N	<2	10	67	.07	.034	4	31	.41	39	.19	4	1.81	.01	.13	2	13
L17550E 20900N	<2	4	63	.06	.014	5	20	.23	42	.15	<3	.74	.01	.08	<2	10
L17550E 20875N	<2	4	69	.14	.020	4	20	.39	58	.19	<3	1.21	.01	.11	2	5
L17550E 20850N	2	<2	64	.07	.017	3	17	.25	41	.18	<3	.91	.01	.07	2	7
L17550E 20825N	<2	8	53	.05	.006	6	10	.11	19	.06	<3	.58	.01	.05	<2	12
L17550E 20800N	4	9	75	.07	.019	5	21	.26	26	.15	<3	1.28	.01	.07	<2	7
L17550E 20775N	2	6	85	.05	.025	3	18	.27	28	.25	<3	.97	.01	.06	<2	1
L17550E 20750N	<2	13	81	.05	.020	4	19	.30	33	.21	3	1.00	.01	.08	<2	<1
L17550E 20725N	2	<2	76	.05	.025	4	23	.37	37	.19	<3	1.52	.01	.08	<2	10
L17600E 20950N	<2	2	68	.07	.033	3	27	.40	35	.19	<3	1.98	.01	.08	2	14
L17600E 20925N	<2	16	82	.06	.025	4	25	.47	55	.21	3	1.16	.01	.14	<2	66
RE L17600E 20925N	<2	5	85	.06	.026	4	25	.48	56	.22	3	1.20	.01	.17	2	70
L17600E 20900N	4	<2	88	.05	.011	3	28	.52	56	.24	<3	1.02	.01	.22	<2	8
L17600E 20875N	2	2	69	.14	.019	4	25	.38	66	.17	3	1.83	.01	.07	3	10
L17600E 20850N	<2	16	71	.11	.016	4	36	.41	55	.18	3	1.40	.01	.10	<2	379
L17600E 20825N	<2	6	72	.10	.013	4	34	.45	45	.18	3	1.08	.01	.15	<2	129
L17600E 20800N	<2	2	67	.10	.021	8	35	.56	49	.17	<3	2.58	.01	.09	2	20
L17600E 20775N	<2	18	73	.10	.026	6	52	.72	49	.20	<3	3.59	.01	.10	<2	344
L17600E 20750N	<2	<2	87	.05	.017	7	11	.19	37	.18	3	.68	.01	.08	<2	7
L17600E 20725N	<2	9	72	.05	.020	5	25	.35	35	.20	<3	1.87	.01	.07	2	7
L17650E 20975N	<2	4	72	.07	.029	4	29	.42	40	.24	<3	2.01	.01	.09	2	1
L17650E 20950N	<2	<2	64	.07	.013	4	18	.31	30	.22	<3	.96	.01	.05	<2	3
L17650E 20925N	2	<2	68	.11	.034	4	22	.48	38	.21	3	1.34	.01	.08	2	1
L17650E 20900N	<2	2	67	.08	.023	3	15	.20	26	.18	<3	.91	.01	.04	4	6
L17650E 20875N	<2	7	43	.06	.009	3	11	.23	33	.13	<3	.64	.01	.06	<2	16
L17650E 20850N	<2	10	79	.05	.016	4	17	.18	27	.22	<3	.70	.01	.05	<2	8
L17650E 20825N	<2	<2	65	.14	.048	5	32	.41	50	.18	3	2.35	.01	.10	2	8
L17650E 20800N	<2	<2	78	.05	.013	4	28	.33	27	.20	<3	.96	.01	.08	<2	14
L17650E 20775N	4	4	107	.05	.015	5	34	.43	34	.25	<3	1.77	.01	.07	<2	6
L17650E 20750N	<2	3	56	.05	.015	6	17	.23	21	.11	3	1.32	.01	.04	2	30
L17650E 20725N	5	<2	67	.04	.015	6	18	.30	36	.19	<3	1.05	.01	.10	<2	35
L17650E 20700N	<2	<2	47	.11	.122	8	26	.22	48	.11	<3	4.16	.01	.07	2	28
L17700E 20975N	<2	16	69	.06	.030	5	25	.38	44	.20	<3	1.65	.01	.11	2	2
L17700E 20950N	2	<2	70	.07	.028	3	22	.31	36	.15	<3	1.70	.01	.08	<2	<1
STANDARD C3/AU-S	23	25	82	.61	.090	17	160	.65	147	.10	21	1.90	.04	.18	24	46

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.
AU* - IGNITED, AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED.(10 GM)

All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of the analysis only.

Data___ FA ____

ACME ANALYTICAL

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
L17700E 20925N	<1	6	9	19	<.3	6	2	92	2.84	33	<5	<2	2	5	<.2	<2	<2	70	.06	.027	3	24	.24	26	.16	<3	1.79	.01	.04	<2	2
L17700E 20900N	2	11	7	62	<.3	14	12	197	2.91	110	7	<2	<2	8	<.2	2	5	70	.14	.038	4	25	.44	39	.18	<3	2.15	.01	.04	<2	1
L17700E 20875N	<1	7	6	25	1.6	7	3	157	2.32	329	<5	15	<2	3	<.2	<2	<2	69	.05	.017	3	19	.38	29	.21	<3	1.03	.01	.06	<2	409
L17700E 20850N	<1	8	3	23	<.3	8	6	169	1.89	54	<5	<2	2	3	<.2	<2	<2	63	.04	.025	4	24	.35	29	.17	3	2.75	.01	.10	<2	25
L17700E 20825N	<1	11	<3	25	<.3	7	3	110	1.95	28	<5	<2	2	4	<.2	<2	<2	59	.05	.018	3	22	.32	26	.12	<3	1.55	.01	.04	<2	3
L17700E 20800N	<1	5	<3	16	<.3	9	3	79	2.25	42	<5	<2	2	4	<.2	<2	<2	82	.04	.019	3	27	.35	19	.17	<3	1.05	.01	.04	<2	2
L17700E 20775N	<1	7	7	23	<.3	9	3	93	2.85	61	<5	<2	<2	4	.3	2	2	76	.05	.024	2	41	.35	28	.21	<3	1.78	.01	.04	<2	3
L17700E 20750N	<1	6	4	15	<.3	6	3	60	1.98	31	<5	<2	<2	4	<.2	<2	<2	70	.09	.035	3	15	.22	22	.17	<3	.82	.01	.05	<2	10
L17700E 20725N	<1	11	<3	30	<.3	13	6	115	2.34	63	<5	<2	<2	6	<.2	<2	<2	62	.07	.014	3	40	.54	35	.18	<3	1.67	.01	.05	<2	14
L17700E 20700N	<1	25	5	42	<.3	20	8	183	2.62	138	<5	<2	2	6	<.2	<2	<2	64	.09	.017	3	44	.74	41	.18	<3	2.46	.01	.07	<2	3
L17750E 20900N	1	5	9	21	<.3	6	2	82	2.39	10	<5	<2	<2	6	<.2	<2	<2	76	.06	.024	4	18	.28	29	.16	<3	1.08	.01	.05	<2	1
L17750E 20875N	<1	6	4	22	<.3	6	3	117	2.13	61	<5	<2	<2	5	<.2	<2	<2	77	.06	.021	3	15	.26	30	.26	<3	.85	.01	.03	<2	<1
L17750E 20850N	<1	8	<3	38	<.3	10	7	171	1.98	28	<5	<2	2	5	<.2	<2	<2	57	.08	.011	5	21	.53	45	.19	<3	1.41	.01	.04	<2	10
L17750E 20825N	<1	6	8	31	<.3	8	6	120	1.68	109	<5	<2	<2	7	<.2	<2	<2	46	.08	.014	3	15	.33	53	.14	<3	1.38	.01	.05	<2	31
L17750E 20800N	<1	4	6	16	<.3	4	2	59	1.70	25	<5	<2	<2	3	<.2	<2	<2	57	.03	.016	4	13	.21	22	.17	<3	.92	.01	.04	<2	3
L17750E 20775N	<1	21	<3	19	<.3	41	8	74	2.09	37	<5	<2	<2	8	<.2	<2	2	58	.09	.021	2	164	.70	18	.16	<3	1.45	.01	.02	2	7
L17750E 20750N	<1	8	5	21	<.3	8	3	74	2.62	44	<5	<2	<2	5	.2	<2	<2	68	.07	.020	4	31	.31	30	.15	<3	1.56	.01	.04	<2	22
L17750E 20725N	<1	5	5	14	<.3	5	2	62	2.01	39	<5	<2	2	4	<.2	<2	<2	77	.05	.012	3	23	.24	19	.19	<3	.93	.01	.03	<2	5
L17800E 20900N	<1	8	4	56	<.3	11	20	720	2.33	27	<5	<2	2	13	<.2	<2	4	64	.15	.025	4	24	.48	84	.19	<3	1.78	.01	.06	<2	<1
L17800E 20875N	<1	2	4	7	<.3	2	1	35	.62	14	<5	<2	<2	7	.2	<2	<2	42	.06	.010	3	6	.05	19	.09	<3	.28	.01	.03	<2	26
L17800E 20855N	<1	3	<3	10	<.3	3	1	62	1.09	13	<5	<2	<2	5	<.2	<2	<2	60	.03	.007	4	9	.17	24	.13	<3	.52	.01	.03	<2	1
L17800E 20825N	<1	5	5	13	<.3	5	2	60	2.21	26	<5	<2	<2	4	<.2	<2	<2	61	.05	.024	3	15	.21	16	.15	<3	.98	.01	.03	<2	<1
RE L17800E 20825N	<1	6	5	14	<.3	4	2	62	2.24	26	<5	<2	2	5	.2	<2	<2	62	.05	.024	3	17	.21	17	.15	<3	.99	.01	.04	<2	<1
L17800E 20800N	<1	7	7	21	<.3	6	2	92	2.17	97	<5	<2	<2	3	<.2	<2	<2	58	.04	.025	4	19	.31	27	.18	<3	1.15	.01	.06	<2	47
L17800E 20775N	<1	29	<3	32	<.3	20	13	171	1.90	61	<5	<2	2	18	<.2	2	3	48	.14	.021	4	52	.62	52	.14	<3	2.09	.01	.03	<2	12
L17800E 20750N	<1	8	3	19	<.3	9	3	91	2.48	79	<5	<2	<2	7	<.2	<2	<2	81	.08	.022	3	27	.31	22	.18	<3	1.31	.01	.03	<2	4
L17800E 20725N	<1	10	<3	28	<.3	8	4	126	2.57	69	5	<2	<2	4	.2	<2	<2	83	.06	.019	4	26	.40	32	.23	<3	1.46	.01	.06	<2	2
L17800E 20700N	<1	8	6	26	<.3	8	4	114	2.32	61	<5	<2	2	4	<.2	2	2	77	.05	.017	3	25	.37	29	.21	<3	1.33	.01	.04	<2	<1
L17800E 20675N	<1	12	5	25	<.3	13	8	177	2.71	191	<5	<2	2	10	<.2	<2	<2	81	.15	.020	6	36	.49	50	.18	<3	1.53	.01	.05	<2	22
L17800E 20650N	1	11	5	25	<.3	14	8	187	2.65	185	<5	<2	3	10	.2	<2	<2	80	.15	.021	7	36	.47	48	.18	<3	1.57	.01	.05	<2	10
STANDARD C3/AU-S	25	64	34	160	5.7	36	12	730	3.45	57	25	2	18	29	24.5	17	26	81	.61	.092	17	163	.68	148	.10	19	1.90	.04	.17	21	45

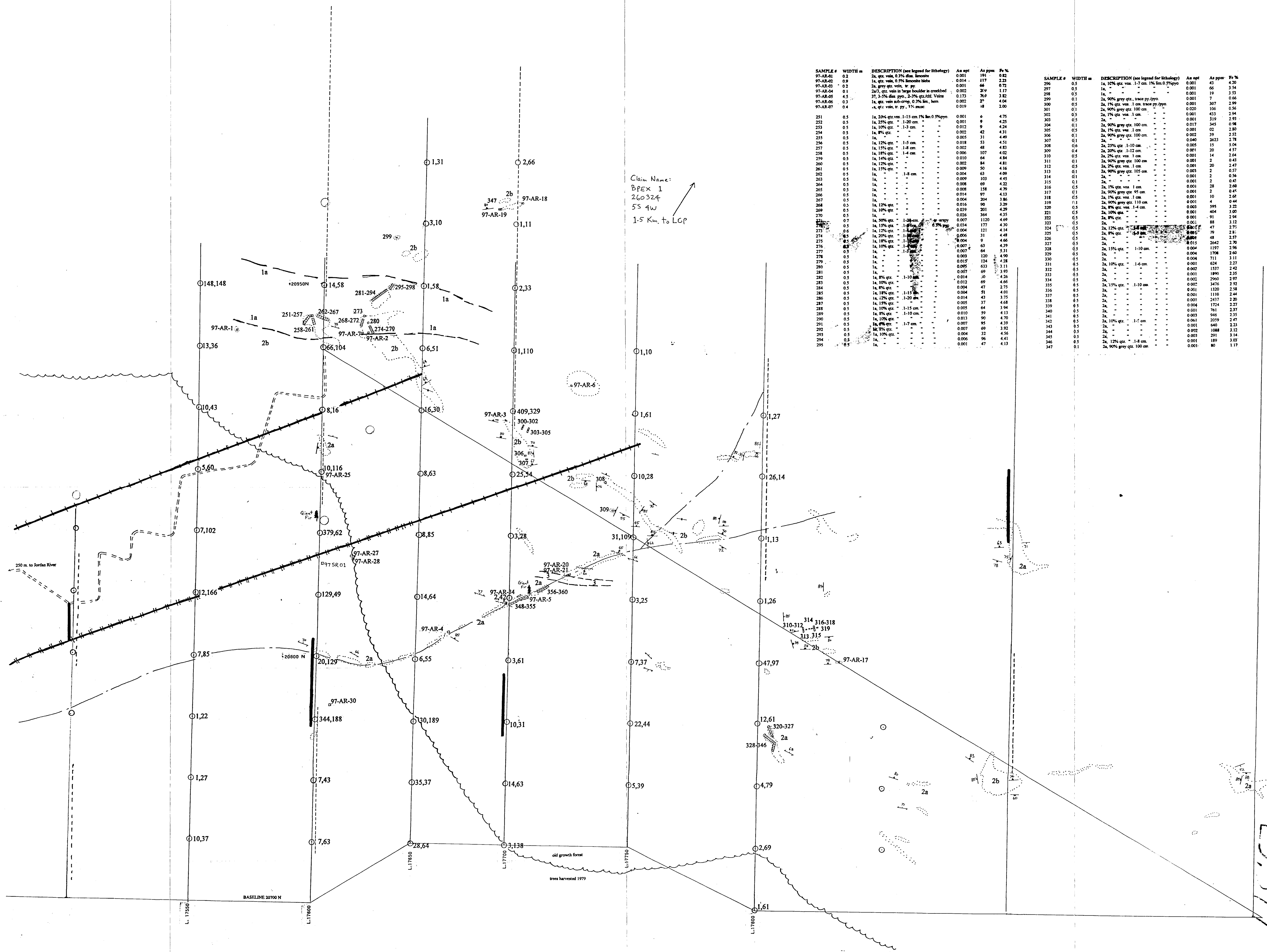
Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.
AU* - IGNITED, AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED.(10 GM)

All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of the analysis only.

Data___ FA ____

SAMPLE #	WIDTH m	DESCRIPTION (see legend for lithology)	Au opt	As ppm	Fe %
97-AR-01	0.2	2a, qtz. vein, 0.3% diss. limonite	0.001	191	0.82
97-AR-02	0.9	1a, qtz. vein, 0.5% limonite blebs	0.014	117	2.23
97-AR-03	0.2	2a, grey qtz. vein, tr. py.	0.001	66	0.72
97-AR-04	0.1	2a/3, qtz. vein in large boulder in creekbed	0.002	209	1.17
97-AR-05	4.5	3?, 3-5% diss. pyo., 2-3% qtz./chl. Veins	0.173	769	3.82
97-AR-06	0.3	1a, qtz. vein sub-crop, 0.3% lim., hem.	0.002	22	4.04
97-AR-07	0.4	1a, qtz. vein, tr. py., 3% musc.	0.019	38	2.00
251	0.5	1a, 20% qtz.vns..1-15 cm.1% lim.0.5%pyo.	0.001	6	4.75
252	0.5	1a, 25% qtz. " .1-20 cm. " "	0.001	9	4.25
253	0.5	1a, 10% qtz. " .1-3 cm. " "	0.012	9	4.24
254	0.5	1a, 8% qtz. " " " "	0.002	42	4.31
255	0.5	1a, " " " " "	0.005	31	4.49
256	0.5	1a, 12% qtz. " .1-5 cm. " "	0.018	53	4.51
257	0.5	1a, 15% qtz. " .1-8 cm. " "	0.002	48	4.83
258	0.5	1a, 18% qtz. " .1-4 cm. " "	0.006	107	4.02
259	0.5	1a, 14% qtz. " " " "	0.010	64	4.84
260	0.5	1a, 12% qtz. " " " "	0.002	84	4.81
261	0.5	1a, 15% qtz. " " " "	0.009	50	4.16
262	0.5	1a, " " .1-8 cm. " "	0.004	63	4.09
263	0.5	1a, " " " " "	0.009	103	4.45
264	0.5	1a, " " " " "	0.008	69	4.22
265	0.5	1a, " " " " "	0.008	158	4.79
266	0.5	1a, " " " " "	0.014	97	4.13
267	0.5	1a, " " " " "	0.004	204	3.86
268	0.5	1a, 12% qtz. " " " "	0.016	90	3.29
269	0.5	1a, 10% qtz. " " " "	0.039	201	4.29
270	0.5	1a, " " " " "	0.026	364	4.35
271	0.7	1a, 50% qtz. " .1-28 cm. " " tr. arspy	0.007	1120	4.69
272	0.5	1a, 15% qtz. " .1-8 cm. " 0.5% pyo	0.034	177	4.30
273	0.6	1a, 12% qtz. " .1-4 cm. " "	0.004	121	4.14
274	0.5	1a, 20% qtz. " .1-18 cm. " "	0.006	31	4.48
275	0.5	1a, 18% qtz. " .1-15 cm. " "	0.004	9	4.66
276	0.5	1a, 10% qtz. " .1-4 cm. " "	0.007	63	4.39
277	0.5	1a, " " .1-3 cm. " "	0.007	64	5.31
278	0.5	1a, " " " " "	0.003	120	4.90
279	0.5	1a, " " " " "	0.015	124	4.28
280	0.5	1a, " " " " "	0.095	633	3.11
281	0.5	1a, " " " " "	0.007	69	3.93
282	0.5	1a, 8% qtz. " .1-10 cm. " "	0.014	50	4.26
283	0.5	1a, 10% qtz. " " " "	0.012	69	4.66
284	0.5	1a, 8% qtz. " " " "	0.004	47	2.75
285	0.5	1a, 18% qtz. " .1-15 cm. " "	0.004	51	4.01
286	0.5	1a, 12% qtz. " .1-20 cm. " "	0.014	43	3.75
287	0.5	1a, 15% qtz. " " " "	0.005	37	4.68
288	0.5	1a, 10% qtz. " .1-15 cm. " "	0.005	64	3.94
289	0.5	1a, 8% qtz. " .1-10 cm. " "	0.010	59	4.13
290	0.5	1a, 10% qtz. " " " "	0.013	90	4.70
291	0.5	1a, 6% qtz. " .1-7 cm. " "	0.007	95	4.39
292	0.5	1a, 8% qtz. " " " "	0.007	69	3.92
293	0.5	1a, 10% qtz. " " " "	0.004	32	4.56
294	0.5	1a, " " " " "	0.006	96	4.41
295	0.5	1a, " " " " "	0.001	47	4.13

SAMPLE #	WIDTH m	DESCRIPTION (see legend for lithology)	Au opt	As ppm	Fe %
296	0.5	1a, 10% qtz. vns. .1-7 cm. 1% lim.0.5%pyo	0.001	43	4.20
297	0.5	1a, " " " " "	0.001	66	3.54
298	0.5	1a, " " " " "	0.001	19	3.53
299	0.1	2a, 90% grey qtz., trace py./pyo.	0.001	7	0.66
300	0.5	2a, 1% qtz. vns. .1 cm. trace py./pyo.	0.001	307	2.99
301	0.1	2a, 90% grey qtz. 100 cm. " "	0.020	106	0.56
302	0.5	2a, 1% qtz. vns. .1 cm. " "	0.001	433	2.94
303	0.5	2a, " " " " "	0.001	319	2.93
304	0.1	2a, 90% grey qtz. 100 cm. " "	0.017	345	0.98
305	0.5	2a, 1% qtz. vns. .1 cm. " "	0.001	02	2.80
306	0.1	2a, 90% grey qtz. 100 cm. " "	0.002	39	2.52
307	0.1	2a, " " " " " "	0.040	2623	2.78
308	0.6	2a, 25% qtz. .1-10 cm. " "	0.005	15	5.04
309	0.4	2a, 20% qtz. .1-12 cm. " "	0.001	20	4.57
310	0.5	2a, 2% qtz. vns. .1 cm. " "	0.001	14	2.64
311	0.1	2a, 90% grey qtz. 100 cm. " "	0.001	2	0.43
312	0.5	2a, 2% qtz. vns. .1 cm. " "	0.001	20	2.47
313	0.1	2a, 90% grey qtz. 105 cm. " "	0.003	2	0.57
314	0.1	2a, " " " " " "	0.001`	2	0.56
315	0.1	2a, " " " " " "	0.001	2	0.43
316	0.5	2a, 1% qtz. vns. .1 cm. " "	0.001	28	2.60
317	0.1	2a, 90% grey qtz. 95 cm. " "	0.001	2	0.45
318	0.5	2a, 1% qtz. vns. .1 cm. " "	0.001	10	2.68
319	0.1	2a, 90% grey qtz. 110 cm. " "	0.001	4	0.44
320	0.5	2a, 8% qtz. vns. .1-4 cm. " "	0.003	595	3.22
321	0.5	2a, 10% qtz. " " " "	0.001	404	3.00
322	0.5	2a, 8% qtz. " " " "	0.001	91	2.94
323	0.5	2a, " " " " "	0.001	88	3.12
324	0.5	2a, 12% qtz. " .1-8 cm. " "	0.001	47	2.75
325	0.5	2a, 8% qtz. " .1-3 cm. " "	0.001	79	2.87
326	0.5	2a, " " " " "	0.001	48	2.57
327	0.5	2a, " " " " "	0.015	2642	2.70
328	0.5	2a, 15% qtz. " .1-10 cm. " "	0.004	1197	2.96
329	0.5	2a, " " " " "	0.004	1708	2.60
330	0.5	2a, " " " " "	0.004	711	3.11
331	0.5	2a, 10% qtz. " .1-6 cm. " "	0.001	624	2.27
332	0.5	2a, " " " " "	0.002	1537	2.42
333	0.5	2a, " " " " "	0.001	1890	2.35
334	0.5	2a, " " " " "	0.002	2960	2.97
335	0.5	2a, 15% qtz. " .1-10 cm. " "	0.002	3476	2.52
336	0.5	2a, " " " " "	0.001	1320	2.58
337	0.5	2a, " " " " "	0.001	1110	2.44
338	0.5	2a, " " " " "	0.001	2437	2.20
339	0.5	2a, " " " " "	0.004	1724	2.27
340	0.5	2a, " " " " "	0.001	761	2.37
341	0.5	2a, " " " " "	0.003	946	2.35
342	0.5	2a, 10% qtz. " .1-5 cm. " "	0.061	2059	2.47
343	0.5	2a, " " " " "	0.001	640	2.23
344	0.5	2a, " " " " "	0.002	1088	3.12
345	0.5	2a, " " " " "	0.003	291	3.14
346	0.5	2a, 12% qtz. " .1-8 cm. " "	0.001	189	3.03
347	0.1	2a, 90% grey qtz. 100 cm. " "	0.001	80	1.17



SAMPLE #	WIDTH m	DESCRIPTION (see legend for lithology)	Au opt	As ppm	Fe %
97-AR-01	0.2	2a, qtz. vein, 0.3% diss. limonite	0.001	191	0.82
97-AR-02	0.9	1a, qtz. vein, 0.5% limonite blebs	0.014	117	2.23
97-AR-03	0.2	2a, grey qtz. vein, tr. py.	0.001	66	0.72
97-AR-04	0.1	2a/3, qtz. vein in large boulder in creekbed	0.002	209	1.17
97-AR-05	4.5	3?, 3-5% diss. pyo., 2-3% qtz./chl. Veins	0.173	769	3.82
97-AR-06	0.3	1a, qtz. vein sub-crop, 0.3% lim., hem.	0.002	2?	4.04
97-AR-07	0.4	1a, qtz. vein, tr. py., 1% musc.	0.019	18	2.00
251	0.5	1a, 20% qtz.vns. .1-15 cm. 1% lim. 0.5%pyo.	0.001	6	4.75
252	0.5	1a, 25% qtz. " .1-20 cm. " "	0.001	9	4.25
253	0.5	1a, 10% qtz. " .1-3 cm. " "	0.012	9	4.24
254	0.5	1a, 8% qtz. " " " "	0.002	42	4.31
255	0.5	1a, " " " " "	0.005	31	4.49
256	0.5	1a, 12% qtz. " .1-5 cm. " "	0.018	53	4.51
257	0.5	1a, 15% qtz. " .1-8 cm. " "	0.002	48	4.83
258	0.5	1a, 18% qtz. " .1-4 cm. " "	0.006	107	4.02
259	0.5	1a, 14% qtz. " " " "	0.010	64	4.84
260	0.5	1a, 12% qtz. " " " "	0.002	84	4.81
261	0.5	1a, 15% qtz. " " " "	0.009	50	4.16
262	0.5	1a, " " .1-8 cm. " "	0.004	63	4.09
263	0.5	1a, " " " " "	0.009	103	4.45
264	0.5	1a, " " " " "	0.008	69	4.22
265	0.5	1a, " " " " "	0.008	158	4.79
266	0.5	1a, " " " " "	0.014	97	4.13
267	0.5	1a, " " " " "	0.004	204	3.86
268	0.5	1a, 12% qtz. " " " "	0.016	90	3.29
269	0.5	1a, 10% qtz. " " " "	0.039	201	4.29
270	0.5	1a, " " " " "	0.026	364	4.35
[illegible]	0.7	1a, 50% qtz. " .1-28 cm. " " tr. arspy	0.007	1120	4.69
[illegible]	0.5	1a, 15% qtz. " .1-[illegible] cm. " 0.5% pyo	0.034	177	4.30
273	0.6	1a, 12% qtz. " .1-[illegible] " "	0.004	121	4.14
274	0.5	1a, 20% qtz. " .1-[illegible] " "	0.006	31	4.48
275	0.5	1a, 18% qtz. " .1-[illegible] " "	0.004	9	4.66
276	0.5	1a, 10% qtz. " .1-[illegible] " "	0.007	63	4.39
277	0.5	1a, " " .1-3 [illegible] " "	0.007	64	5.31
278	0.5	1a, " " " "	0.003	120	4.90
279	0.5	1a, " " " "	0.015	124	4.28
280	0.5	1a, " " " "	0.095	633	3.11
281	0.5	1a, " " " "	0.007	69	3.93
282	0.5	1a, 8% qtz. " .1-10 [illegible] " "	0.014	30	4.26
283	0.5	1a, 10% qtz. " " " "	0.012	69	4.66
284	0.5	1a, 8% qtz. " " " "	0.004	47	2.75
285	0.5	1a, 18% qtz. " .1-15 cm. " "	0.004	51	4.01
286	0.5	1a, 12% qtz. " .1-20 cm. " "	0.014	43	3.75
287	0.5	1a, 15% qtz. " " " "	0.005	37	4.68
288	0.5	1a, 10% qtz. " .1-15 cm. " "	0.005	64	3.94
289	0.5	1a, 8% qtz. " .1-10 cm. " "	0.010	59	4.13
290	0.5	1a, 10% qtz. " " " "	0.013	90	4.70
291	0.5	1a, 6% qtz. " .1-7 cm. " "	0.007	95	4.39
292	0.5	1a, 8% qtz. " " " "	0.007	69	3.92
293	0.5	1a, 10% qtz. " " " "	0.004	32	4.56
294	0.5	1a, " " " " "	0.006	96	4.41
295	0.5	1a, " " " " "	0.001	47	4.13

SAMPLE #	WIDTH m	DESCRIPTION (see legend for lithology)	Au opt	As ppm	Fe %
296	0.5	1a, 10% qtz. vns. .1-7 cm. 1% lim. 0.5%pyo	0.001	43	4.20
297	0.5	1a, " " " " "	0.001	66	3.54
298	0.5	1a, " " " " "	0.001	19	3.53
299	0.1	2a, 90% grey qtz., trace py./pyo.	0.001	7	0.66
300	0.5	2a, 1% qtz. vns. .1 cm. trace py./pyo.	0.001	307	2.99
301	0.1	2a, 90% grey qtz. 100 cm. " "	0.020	106	0.56
302	0.5	2a, 1% qtz. vns. .1 cm. " "	0.001	433	2.94
303	0.5	2a, " " " " "	0.001	319	2.93
304	0.1	2a, 90% grey qtz. 100 cm. " "	0.017	345	0.98
305	0.5	2a, 1% qtz. vns. .1 cm. " "	0.001	02	2.80
306	0.1	2a, 90% grey qtz. 100 cm. " "	0.002	39	2.52
307	0.1	2a, " " " " " "	0.040	2623	2.78
308	0.6	2a, 25% qtz. .1-10 cm. " "	0.005	15	5.04
309	0.4	2a, 20% qtz. .1-12 cm. " "	0.001	20	4.57
310	0.5	2a, 2% qtz. vns. .1 cm. " "	0.001	14	2.64
311	0.1	2a, 90% grey qtz. 100 cm. " "	0.001	2	0.43
312	0.5	2a, 2% qtz. vns. .1 cm. " "	0.001	20	2.47
313	0.1	2a, 90% grey qtz. 105 cm. " "	0.003	2	0.57
314	0.1	2a, " " " " " "	0.001	2	0.56
315	0.1	2a, " " " " " "	0.001	2	0.43
316	0.5	2a, 1% qtz. vns. .1 cm. " "	0.001	28	2.60
317	0.1	2a, 90% grey qtz. 95 cm. " "	0.001	2	0.45
318	0.5	2a, 1% qtz. vns. .1 cm. " "	0.001	10	2.68
319	0.1	2a, 90% grey qtz. 110 cm. " "	0.001	4	0.44
320	0.5	2a, 8% qtz. vns. .1-4 cm. " "	0.003	595	3.22
321	0.5	2a, 10% qtz. " " " "	0.001	404	3.00
322	0.5	2a, 8% qtz. " " " "	0.001	91	2.94
323	0.5	2a, " " " " "	0.001	88	3.12
324	0.5	2a, 12% qtz. " [illegible] " "	0.001	47	2.75
325	0.5	2a, 8% qtz. " [illegible] " "	0.001	79	2.87
326	0.5	2a, " " " " "	0.001	48	2.57
327	0.5	2a, " " " " "	0.015	2642	2.70
328	0.5	2a, 15% qtz. " 1-10 cm. " "	0.004	1197	2.96
329	0.5	2a, " " " " "	0.004	1708	2.60
330	0.5	2a, " " " " "	0.004	711	3.11
331	0.5	2a, 10% qtz. " .1-6 cm. " "	0.001	624	2.27
332	0.5	2a, " " " " "	0.002	1537	2.42
333	0.5	2a, " " " " "	0.001	1890	2.35
334	0.5	2a, " " " " "	0.002	2960	2.97
335	0.5	2a, 15% qtz. " .1-10 cm. " "	0.002	3476	2.52
336	0.5	2a, " " " " "	0.001	1320	2.58
337	0.5	2a, " " " " "	0.001	1110	2.44
338	0.5	2a, " " " " "	0.001	2437	2.20
339	0.5	2a, " " " " "	0.004	1724	2.27
340	0.5	2a, " " " " "	0.001	761	2.37
341	0.5	2a, " " " " "	0.003	946	2.35
342	0.5	2a, 10% qtz. " .1-5 cm. " "	0.061	2059	2.47
343	0.5	2a, " " " " "	0.001	640	2.23
344	0.5	2a, " " " " "	0.002	1088	3.12
345	0.5	2a, " " " " "	0.003	291	3.14
346	0.5	2a, 12% qtz. " .1-8 cm. " "	0.001	189	3.03
347	0.1	2a, 90% grey qtz. 100 cm. " "	0.001	80	1.17

PROFESSIONAL GEOSCIENTIST
PROVINCE OF BRITISH COLUMBIA
A. A. KIKAUKA
AK

FIG. 4

FOR: BEAU PRE EXPLORATIONS LTD., BN ZONE GEOLOGY AND MINERALIZATION,
Valentine Mountain Gold Project, BPEX #1, Valentine claim group, NTS 92 B/12 W, Victoria M.D.
Scale 1:500, Drawn by: A.Kikauka, May, 1997, (geology modified after Noranda, 1989)

	EOCENE AND YOUNGER? INTRUSIVE ROCKS	
6	Pegmatite, Leucocratic dykes and sills	
5	Quartz diorite, minor granodiorite, granite	
5a	Aplitic dykes and sills (leucocratic, fine grained)	
	TRIASSIC TO CRETACEOUS? LEECH R. GROUP METAMORPHIC ROCKS	
4	Phyllite (finer grained and better cleaved than schist)	Fault
3	Amphibolite (metavolcanic)	Rock chip sample
3a	Tuff	Soil (ppb Au, ppm As)
3b	Flow	Foliation
3c	Pervasive chlorite alteration	Bedding
2	Gneiss (metasandstone)	Fracture
2a	"Dirty"- greywacke	Vein
2b	"Clean"- metaquartzite	Creek
1	Schist (metapelite)	Lithologic contact
1a	Biotite schist	Road
1b	Biotite-garnet schist	Trail
1c	Biotite-garnet-staurolite schist	Edge of logging
1d	Biotite-garnet-staurolite-andalusite schist	Outcrop

1.75 Km. to LCP of BPEX 1, Tenure #260324, 5 units S,4 units W

GEOPHYSICAL DATA (after Noranda IP '89,& Valentine Gold HLEM '87)

WEAK
MODERATE
HLEM CONDUCTOR AXIS

IP CHARGEABILITY HIGH

IP RESISTIVITY HIGH

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

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