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REPORT ON THE
 ANTLER CREEK GOLD PROSPECTION:
 CARIBOO MINING DIVISION, B.C.

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GEOLOGICAL BRANCH
 BY **ASSESSMENT REPORT**

A.G. TROUP, P. Eng.

October 1994

23,590

CLAIMS WORKED				
CLAIM NAMES	UNITS	RECORD NUMBERS	ANNIVERSARIES	
KEYNOTE 1 - 4	4	322078 - 322081	OCT 18	
KEYNOTE 6	1	322139	OCT 18	
KEYNOTE 7 - 8	2	321626 - 321627	OCT 19	
KEYNOTE 11	1	322030	OCT 19	
KEYNOTE 19 - 20	2	321836 - 321837	OCT 20	
KEYNOTE 23	1	321840	OCT 20	
KEYNOTE 30	1	322084	OCT 20	
WOLF 2 - 4	3	309437 - 309439	MAY 20	
WOLF 9 - 12	4	322069 - 322072	OCT 17	
WOLF 16 - 19	4	322119 - 322122	OCT 30	
WOLF 26 - 27	2	322129 - 322130	OCT 31	
WOLF 29	1	322132	OCT 31	

LOCATION:	53°00' North Latitude 121°25' West Longitude
OWNER:	Pacific Mariner Exp. Ltd.
OPERATOR:	Pacific Mariner Exp. Ltd.
CONTRACTOR:	Archean Engineering Ltd.

**GEOCHEMICAL, GEOPHYSICAL AND PROSPECTING
REPORT ON THE
ANTLER CREEK GOLD PROSPECT
CARIBOO MINING DIVISION, B.C.**

SUMMARY:

The Antler property is a gold prospect located in central British Columbia, approximately 70 km east of Quesnel and 5 km southeast of Barkerville. The property is located in the Cariboo Mining Division and is comprised of 106 two post mineral claims and 70 mineral units in 4 claims.

In August 1994, Archean Engineering Ltd. was contracted by Pacific Mariner Exploration Ltd. to carry out an exploration program for assessment purposes over the Antler Creek property. Field work was carried out from August 10 to August 19, by a two person crew working out of the White Caps Motel in the nearby community of Wells, B.C. The program involved prospecting the claims while carrying out reconnaissance geochemical and geophysical surveys over the property.

Geochemical sampling involved taking a total of 13 stream sediment samples, 10 heavy mineral concentrate samples, 99 soil samples, and 26 rock chip samples from widely spaced sites on the property. Results of this work defined three widely separated gold anomalies that require future follow-up.

Geophysical work involved running 2.8 line km of magnetometer coverage on four lines and 1.9 line km of EM-16 coverage on three lines across three test areas on the property. Results of this work proved inconclusive. Several narrow magnetic features were detected by the survey. The test lines were run over known showings and thus the anomalies may be caused by buried metallic debris from previous exploration and placer mining activity.

It is recommended that additional exploration be carried out in the vicinity of the three target areas discovered by the present survey. This work should initially entail prospecting, basal till sampling and several additional test lines of geophysical coverage.

**GEOCHEMICAL, GEOPHYSICAL AND PROSPECTING
REPORT ON THE
ANTLER CREEK GOLD PROSPECT
CARIBOO MINING DIVISION, B.C.**

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**GEOCHEMICAL, GEOPHYSICAL AND PROSPECTING
REPORT ON THE
ANTLER CREEK GOLD PROSPECT
CARIBOO MINING DIVISION, B.C.**

1.0 INTRODUCTION:

In August 1994, Archean Engineering Ltd. was contracted by Pacific Mariner Exploration Ltd. to carry out an exploration program for assessment purposes over the Antler Creek gold property in south central British Columbia. The primary purpose of the program was to identify target areas for future exploration on a number of recently acquired two post mineral claims. The program involved carrying out stream sediment sampling, heavy mineral concentrate sampling, rock chip sampling, soil sampling, and reconnaissance VLF-EM and magnetometer surveys over the property.

The writer initially worked in the region of the property in the early 1970's and since then has repeatedly been involved with regional and property work over the area. The present program was carried out between August 10 and August 19, 1994 by a two person crew working out of the White Caps Motel in the nearby community of Wells.

1.1 LOCATION AND ACCESS:

The Antler Creek Gold Property is located on the west side of the Cariboo Mountains in central British Columbia. The claims are located in mountainous terrain approximately 70 km east of Quesnel, B.C. and 5 km southeast of Barkerville, B.C. The centre of the property is defined by latitude 53°00'N and longitude 121°25'W.

Good access to the east side of the property is provided by the Cunningham Pass Forest Service Road which intersects Highway 26 one km north of Barkerville. Additional access to the east side of the property is provided by a network of gravel and dirt roads that service placer mining operations along Antler and Cunningham creeks and their various tributaries.

1.2 PHYSIOGRAPHY, VEGETATION AND CLIMATE:

The property is located in a transition zone between the Interior Plateau to the west and the Cariboo Mountains to the east. The Interior Plateau is a rolling upland surface at an altitude of approximately 1,500 m with a regional dip of about 14 m per km to the southwest. Over the property the surface is moderately well dissected with a local relief of about 600 m.

Immediately to the east over the Cariboo Mountains proper, local relief increases to over 1,800 m.

The tree line is at approximately 1,900 m and therefore the entire property is covered with mature stands of fir. In the valleys and along wet slopes black spruce, aspen, dwarf birch, tag alder, willow and minor stunted buckbrush are also encountered.

An extensive blanket of glacial ground moraine covers most of the property. Rock exposures account for less than 1% of the property and are confined to creek beds, abandoned meltwater channels and the flanks and crests of hills.

The climate is typical of the central interior, with short, warm, summers and moderately long, cold, winters. Temperatures range from in excess of 25°C in August to minus 30°C in January. The average annual precipitation is 75 cm with most of this falling as snow in late fall, winter and early spring. The snow free period lasts from mid-May to mid-October.

PACIFIC MARINER EXPLORATIONS LTD.

ANTLER CREEK PROPERTY

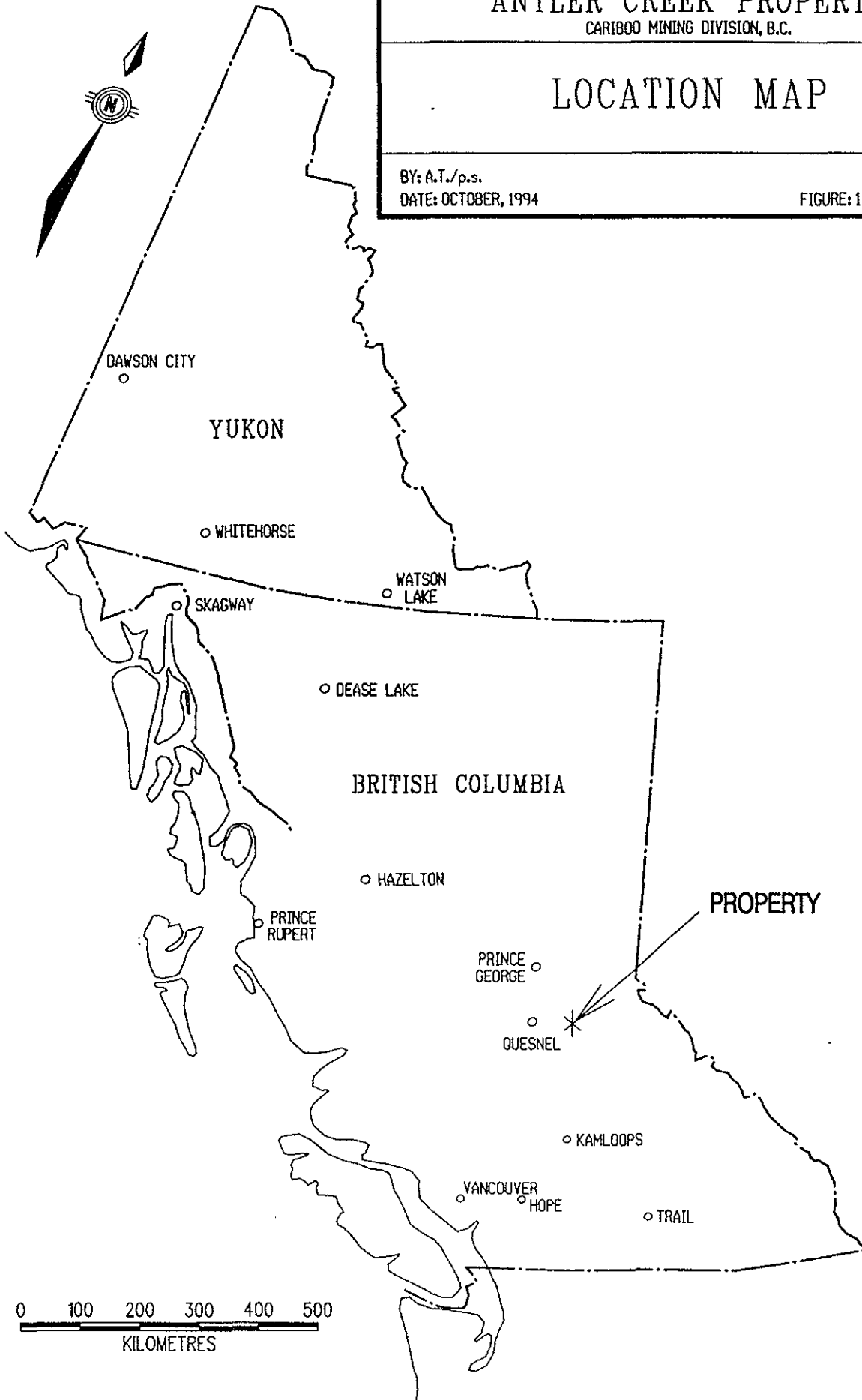
CARIBOO MINING DIVISION, B.C.

LOCATION MAP

BY: A.T./p.s.

DATE: OCTOBER, 1994

FIGURE: 1

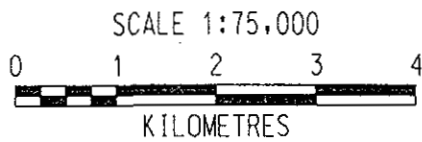
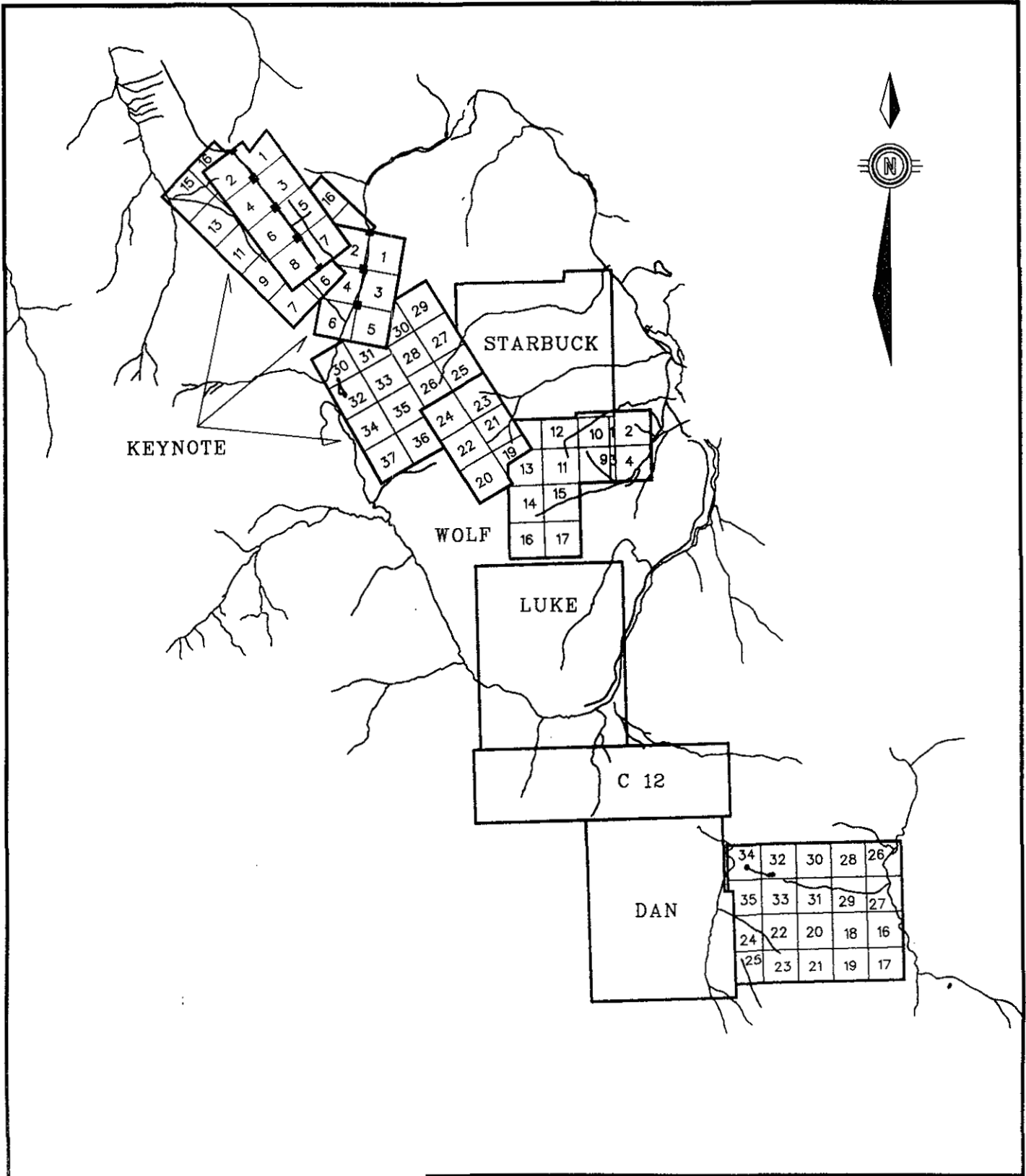


1.3 PROPERTY INFORMATION:

The property is located in the Cariboo Mining Division and is comprised of 106 two post mineral claims and 70 mineral units in 4 claims. Pertinent claim information is given in Table 1 below.

TABLE 1
LIST OF CLAIMS

CLAIM NAMES	UNITS	RECORD NUMBERS	ANNIVERSARIES
KEYNOTE 1 - 4	6	322078 - 322081	OCT 18
KEYNOTE 5 - 6	2	322139 - 322140	OCT 18
KEYNOTE 7 - 16	8	321626 - 321635	OCT 19
KEYNOTE 17 - 18	2	322082 - 322083	OCT 18
KEYNOTE 19 - 30	12	321836 - 321847	OCT 20
KEYNOTE 30 - 37	8	322084 - 322091	OCT 20
KEYNOTE 34 - 38	4	321848 - 321852	OCT 21
WOLF 1	1	309433	MAY 20
WOLF 2 - 4	3	309437 - 309439	MAY 20
WOLF 5 - 8	4	322065 - 322068	OCT 14
WOLF 9 - 17	9	322069 - 322077	OCT 17
WOLF 16 - 25	20	322119 - 322128	OCT 30
WOLF 26 - 35	20	322129 - 322138	OCT 31
SILVER			
DAWN 1 - 4	4	204355 - 204358	OCT 21
SURE			
SHOT 1 - 2	2	204565 - 204566	OCT 1
MATT	1	205251	AUG 26
STARBUCK	16	302136	
LUKE	20	205221	AUG 5
CIZT	14	205250	AUG 26
DAN	20	205505	JULY 20



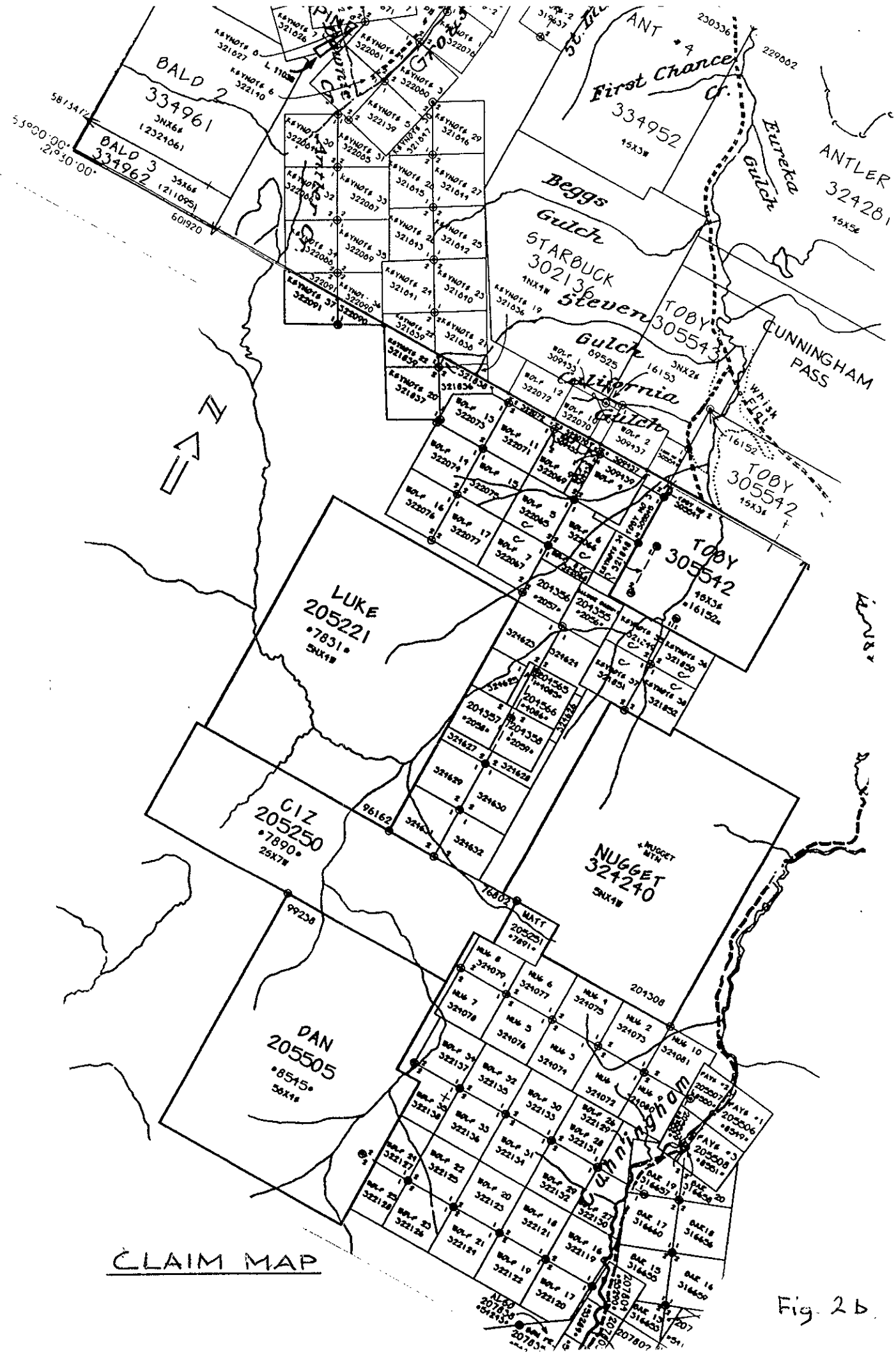
PACIFIC MARINER EXPLORATIONS

ANTLER PROPERTY
CARIBOO MINING DIVISION, BC

CLAIM LOCATION MAP

BY: A.T./p.s.
DATE: SEPTEMBER, 1994

FIGURE: 2 a



CLAIM MAP

Fig. 2b

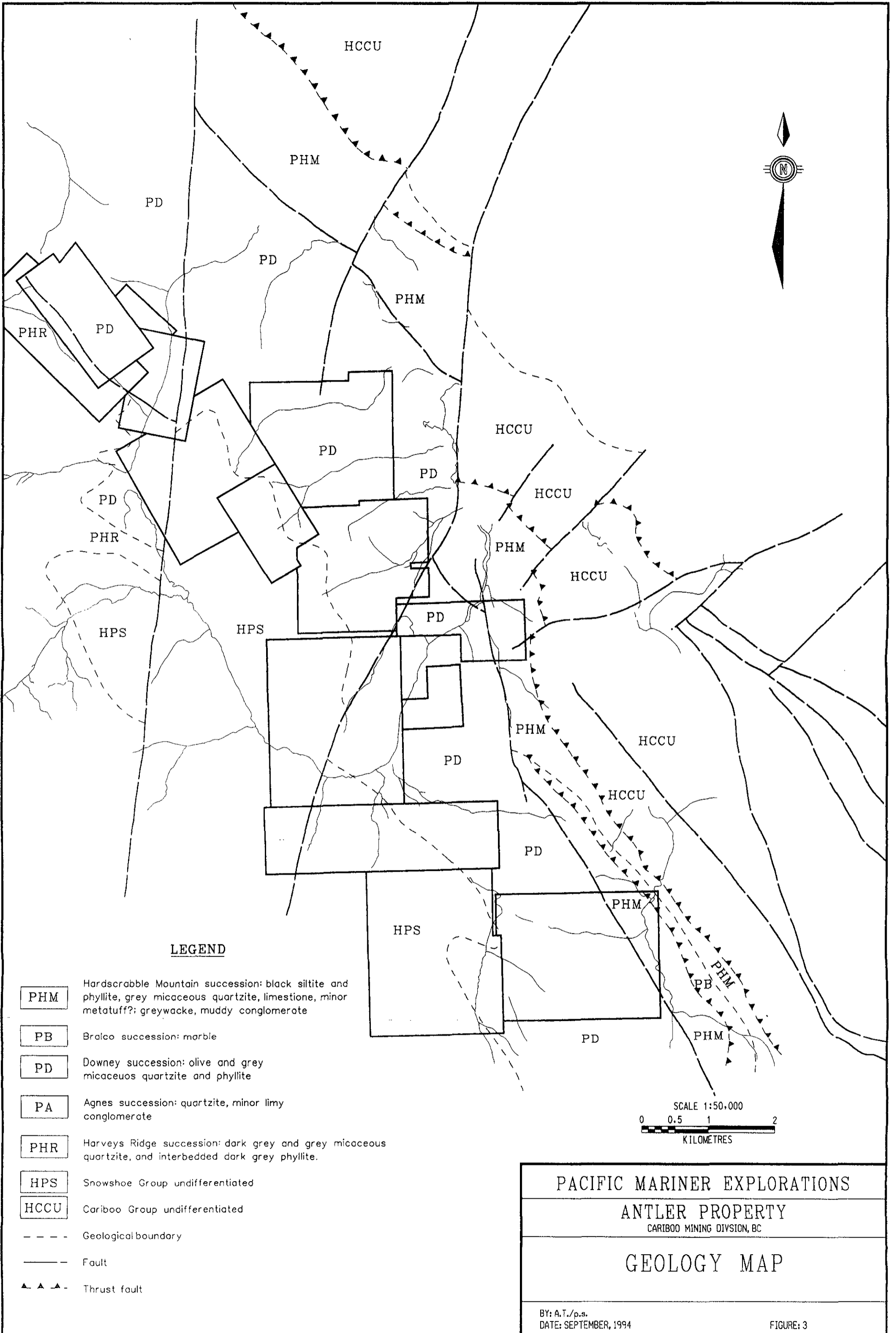
1.4 HISTORY:

The Antler Creek area has been of interest to gold seekers since placer gold was discovered on Antler Creek in the winter of 1860. As with most placer areas a rush took place immediately following the first discovery. Placer gold production from the camp reached its peak of about four million dollars a year by 1863. By 1885 revenue from the placer mines had declined until only the most hardy individuals remained.

In 1876 in an effort to stabilize the economy of the area a four ton stamp mill was erected at Richfield. The mill treated ore from the Bonanza Ledge at the head of Lowhee Creek, Blackjack Canyon on Williams Creek, and from Six-Mile Creek a tributary of Swift River. The provincial government financially assisted these early efforts to develop the numerous quartz veins of the area, and in 1885 the Geological Survey of Canada undertook the first systematic geological investigations of the camp.

The first lode mine of significance was the Cariboo Gold Quartz mine located near Wells, 8 km northwest of the Antler Creek Property. Production from quartz-pyrite veins commenced in 1933 and continued until the mine closed in 1967. In 1934 the Island Mountain Mine located 1 km west of Wells was developed and produced gold until 1954 from quartz-pyrite veins and stratiform massive pyrite lenses. In 1980 the Mosquito Creek Mine located immediately north of the Island Mountain deposit was developed and produced gold from stratiform massive pyrite lenses until 1987. Combined production from the three producers totaled 1,232,063 ounces of gold and 149,520 ounces of silver.

The first reported work within the boundaries of the Antler Creek Property was the staking of the Independence and Hard Cash claims near the head of Grouse Creek in 1916 by E.E. Armstrong. A small rush developed that led to the staking of more than 30 Crown Grants that have been worked and held until 1993. In 1993 most of these Crown Grants were allowed to lapse and the ground was re-staked by prospector Colin Little. The claims staked by Mr. Little have recently been acquired by Pacific Mariner Exp. Ltd.



PACIFIC MARINER EXPLORATIONS
 ANTLER PROPERTY
 CARIBOO MINING DIVISION, BC
 GEOLOGY MAP
 BY: A.T./p.s.
 DATE: SEPTEMBER, 1994
 FIGURE: 3

1.5 WORK DONE BY ARCHEAN ENGINEERING LTD.:

The following field work was completed by Archean Engineering Ltd. during the period from August 10 through August 19, 1994:

- (a) Reconnaissance stream sediment sampling was carried out over the entire property.
- (b) Reconnaissance heavy mineral concentrate sampling was carried out over the entire property.
- (c) Reconnaissance soil sampling was carried out over three lines on the Keynote and Wolf claims.
- (d) Four reconnaissance lines of magnetometer coverage were run over the Keynote and Wolf claims.
- (e) Three reconnaissance lines of VLF-EM coverage were run over the Keynote and Wolf claims.
- (f) Prospecting and rock chip sampling was carried out over the accessible portions of the property.
- (g) Six previously reported showings; the Warspit, Tipperary, Independence, Hard Cash, Lord Dufferin, and China Creek showings were located and sampled.
- (h) The initial posts of the adjacent Warspit and Toby claims were located on the ground and tied in to the boundary of the Keynote and Wolf claims.

2.0 GEOLOGY:

The Antler Creek property is located within the Barkerville Terrane of the Omineca belt. The Barkerville Terrane is bounded on the east by the Pleasant Valley Thrust across which it adjoins the Hadrynian to Lower Paleozoic Cariboo Terrane rocks. To the west it is in thrust contact with Triassic Quesnellia Terrane rocks. The Barkerville Terrane is underlain by an unknown basement and overlain by the tectonically emplaced Slide Mountain Terrane.

The strata of the Barkerville Terrane have been divided into one formal and several informal units. The Snowshoe Group is the formal unit and is made up of 14 subdivisions. The Antler Creek property is underlain by only two of these sub-units, the Downey succession and the overlying Hardscrabble Mountain succession.

The Downey succession is here comprised of olive and grey micaceous quartzites, phyllite, marble, limestone, calcareous quartzite and tuff. The unit is characterized by its abundant marble and tuff. The quartzite commonly is brown weathering because of abundant porphyroblasts of ankerite and siderite.

The Hardscrabble Mountain succession consists of black siltite, phyllite, muddy conglomerate and minor grey micaceous quartzite, limestone and very minor metatuff. It overlies the Downey succession and follows this unit along the Pleasant Valley Thrust.

The rocks have all been subjected to low-grade regional metamorphism and intense deformation but they still commonly show bedding and other sedimentary features. Deformation has impressed a marked secondary foliation on almost all clastic rocks and some carbonate rocks. Most rocks have a marked dimensional orientation involving mica, quartz, feldspar, and even carbonate minerals.

2.2 ECONOMIC GEOLOGY:

Previous exploration has located a number of gold showings over and immediately adjacent to the Antler property. Mineralization is comprised of free gold associated with two sets of quartz veins, referred to in the literature as the "A veins" and the "B veins" (Johnson & Uglow, 1926). The A veins are large northwest striking bodies of milky white quartz that tend to follow the foliation of the host rocks. They are sparsely mineralized with pyrite and seldom carry significant gold values. The B veins strike northeasterly and crosscut the earlier A veins. They are generally narrow, from a centimetre or less up to 1.5 metres in width. They usually carry significant concentrations of pyrite, arsenopyrite, galena and siderite and locally may be mineralized

with pyrrhotite, sphalerite and scheelite. Often the best gold grades occur at the junction between the two sets of veins. The more important showings are described briefly below.

WARSPIT ADIT (Minfile 93H048)

The Warspit Showing is situated 2.0 km north of Mt. Proserpine on the Keynote 12 mineral claim (also the Warspit 3 claim). The Warspit claim was staked in 1917 over two northwest striking A quartz veins up to 3.8 metres in width. The A veins are intersected by several narrow northeast striking B veins up to 0.9 metres in width. The veins contain variable amounts of pyrite, arsenopyrite, galena and sphalerite. They have been explored with more than 400 metres of underground workings, several thousand metres of trenching, and numerous pits, shafts and diamond drill holes. An adjacent, 9.0 metre thick bed of white, silicified and pyritized quartzite has been traced by underground drifting and surface drilling for 120 metres.

A selected sample taken from the junction of an A and B vein in 1926 assayed 22.8 g/T gold. A selected sample of the altered quartzite intersected in a drill hole assayed 3.4 g/T gold.

TIPPERARY SHOWING (Minfile 93H051)

The Tipperary Showing is located 500 m south of the Warspit Adit on the north side of Mt. Proserpine. A northwest striking quartz vein up to 1.2 m wide cuts argillite and quartzite. The vein carries small amounts of disseminated pyrite, arsenopyrite and galena. Minor gold values and silver values up to 377 g/T have been reported.

INDEPENDENCE SHOWING (Minfile 93H051)

The Independence workings are located 400 m west of the Hard Cash Adit on the north slope of Mt. Proserpine. The Independence claim was located in 1916 and since then has been extensively explored by drilling, trenching and 400 m of underground drifting in two adits, the Bell and Newberry adits. Numerous small occurrences of A and B quartz veins have been reported over an area measuring 250 m by 400 m. The best reported assay was 14.88 g/T gold across 81 cm intersected by drilling in 1984.

HARD CASH ADIT (Minfile 93H052)

The Hard Cash Adit is located on the west side of Grouse Creek one km south of Shy Robin Gulch. The Hard Cash claim was located by E. Armstrong in 1916 and was considered one of the more important claims in the camp. The claim was explored by

prospecting, trenching and drilling until 1946. In 1939 a 300 m adit was driven west from Grouse creek (Sutherland Brown, 1957). The face of this adit stopped approximately 100 m east of the portal of the Newberry adit on the adjacent Independence claim. The adit passed through grey micaceous quartzites and phyllite and one 25 m wide bleached and silicified alteration zone. The only gold bearing quartz veins encountered were two small B veins near the face and an irregular cluster of small veins near the portal. The latter were weakly mineralized with pyrite and galena. The best reported assay was 2.74 g/T gold across 1.2 m of barren looking quartz.

LORD DUFFERIN ADITS (Memoir 149)

The Lord Dufferin Workings are located along Grouse Creek 750 m upstream from the Hard Cash Adit. Here a two metre wide vein of white quartz carrying minor amounts of disseminated pyrite strikes northwest across the creek. On the west side of the creek an adit was driven along the vein for 10 m to where it was cut off by a fault. On the east side of the creek the vein was followed with an adit for 55 m. Near the face the vein became very narrow and split up into stringers. A 1926 government report states that a 10 ton sample of the quartz averaged \$7 - \$8 per ton.

SPITFIRE SHOWING (BCMM REPORT 1946)

The Spitfire Showing is located on the north side of Wolf Creek, 215 m (700 feet) above the elevation of China Creek, and south of the head of California Gulch. The showing is comprised of a stockwork of narrow quartz veins exposed over a zone measuring 180 m in length by 100 m in width. The veins strike $050^{\circ}/90^{\circ}$ and occur in groups of two to three veins spaced about one metre apart. Individual veins are generally less than 15 cm in width and less than 10 metres in length. They are mineralized with pyrite that is usually oxidized to limonite at surface. Fine flower gold can be panned from the oxidized portions of the veins.

CHINA CREEK SHOWING

The China Creek Showing is located in the bed of China Creek 500 m upstream from the junction with Wolf Creek. The showing was discovered in 1979 by Stan Brewer, a local placer miner currently working on Stevens Creek. The showing consists of several massive pods of galena up to 1.5 m in length by 0.5 m in width emplaced in the north-northeast trending Antler Fault Zone. The Antler Fault is reported to be the largest fault in

the map area exhibiting a right lateral offset of about 3.0 km (Sutherland Brown 1957). Exposures in placer cuts along China Creek show the fault to be about 16 m wide in this area.

GISCO SHOWING (BCMM REPORTS 1946-47)

The Gisco Showing is located along Antler Creek between Nugget and Victoria Gulch. The showing was discovered in 1946 and tested with a number of trenches and drill holes. It consists of several narrow quartz veins striking $080^{\circ}/70^{\circ}\text{N}$ from which free gold can be panned. The largest vein, the Gisco Vein, was found on the west side of Antler Creek. It averaged 30 cm in width and was 12 m in length. A selected surface sample containing 15% pyrite and 5% galena assayed 0.3 g/T gold and 61 g/T silver. A small chalcopyrite vein found immediately north of the Gisco Vein assayed 0.3 g/T gold, 355 g/T silver and 26.9 % copper.

In 1947 a hole drilled on the east side of the creek, 50 m downstream from the Gisco Vein, intersected several 10 to 25 cm wide quartz veins. One of these veins assayed 27.5 g/T gold. The veins intersected in the drilling belong to a cluster of small veins that occur along both margins of a limestone unit that crosses Antler creek at this location.

ZONE SHOWING (BCMM REPORT 1947)

The Zone Showing is located 180 m southeast of the bridge that crosses Antler Creek near the mouth of Nugget Gulch. A group of five sub-parallel veins striking $025^{\circ}/90^{\circ}$ occur on the south side of a low ridge. The veins range from 5 to 45 cm in width and are weakly mineralized with pyrite, arsenopyrite and small amounts of fine free gold.

PITTMAN SHOWING (BCMM REPORT 1947)

The Pittman Showing located near the mouth of Victoria Creek was discovered in 1947. The showing consists of replacement mineralization in limestone. The rock is locally well mineralized with pyrite, galena and sphalerite but gold and silver values are low. A hand picked piece taken in 1947 assayed trace gold, 37 g/T silver, 4.9 % lead and 34.9 % zinc.

The showing was tested with 130 m of drilling in four flat holes in 1947. The holes crossed narrow widths of sparsely pyritized quartz from which the highest assay was 2.0 g/T gold.

3.0 GEOCHEMISTRY:

In August Archean Engineering Ltd. undertook an orientation geochemical sampling survey over the Antler Creek Property. This program resulted in the collection of 13 stream sediment samples, 10 heavy mineral concentrate samples, and 99 soil samples. Sample locations are shown on Figure 4.

3.1 GEOCHEMICAL PROCEDURES:

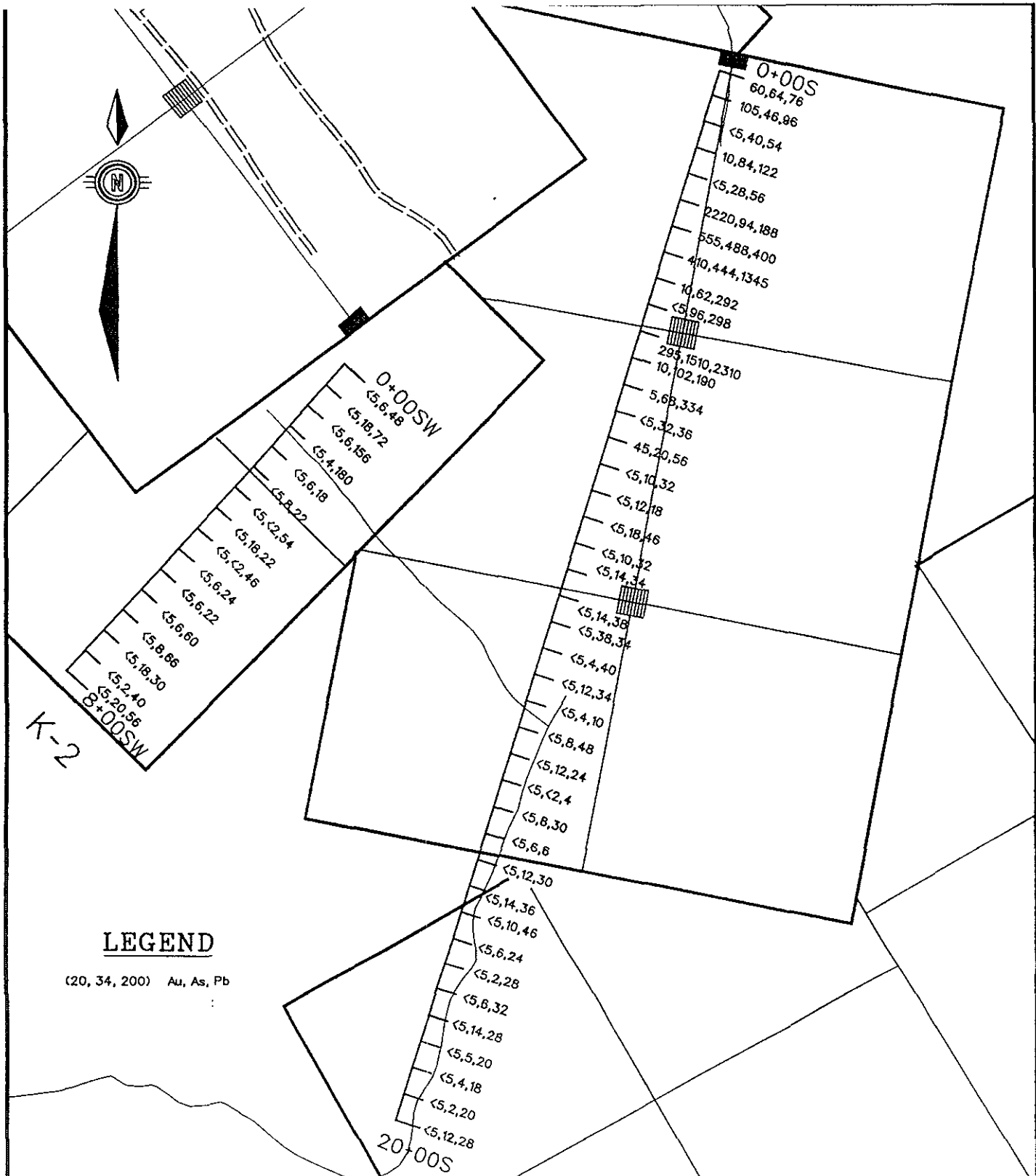
Stream sediment samples were taken along 13 first order streams draining the Antler Creek property. In the field active stream sediment was placed in craft paper envelopes and air dried. The samples were sent to Chemex Labs Ltd. in Vancouver. In the laboratory the samples were dried at 80°C then sieved to minus 80 mesh and the coarse fraction discarded. The fine fraction was analysed for gold by atomic absorption after fire assay preconcentration. Analyses for an additional 32 elements were obtained by routine ICP methods.

Panned heavy mineral concentrate samples were collected at 10 of the stream sediment sample sites. In the field the samples weighing approximately 50 kg were wet screened to minus 10 mesh and then hand panned to a concentrate of approximately 250 g. The concentrates were sent to Orex Laboratories in Burnaby where they further concentrated by heavy liquid separation and ferromagnetic separation. The non-magnetic, plus S.G.3 fractions were then sent to Chemex Labs Ltd. where they were ring pulverized to minus 150 mesh. The pulverized samples were analysed for gold and 32 additional elements in similar fashion to the stream sediment samples.

Soil samples were taken from the C soil horizon, at 50 metre intervals, along three reconnaissance lines run over the Keynote and Wolf claim groups. The samples were sent to Chemex Labs Ltd. in Vancouver. In the laboratory the samples were screened to minus 35 mesh, and ring pulverized prior to analysis. Analyses for gold and 32 additional elements were obtained in similar fashion to the stream sediment samples.

3.2 GEOCHEMICAL RESULTS:

Gold values in stream sediments are shown on Figure 5 at a scale of 1:10,000. The stream sediment results show four streams draining this property to contain anomalous gold concentrations with values up to 290 ppm. The highest value was obtained from a small stream draining the Wolf 27 & 29 claims, along Cunningham Creek, near the south end of the property. Several anomalous soil samples occur near this sample station and are possibly reflecting the same source. Three anomalous values up



LEGEND

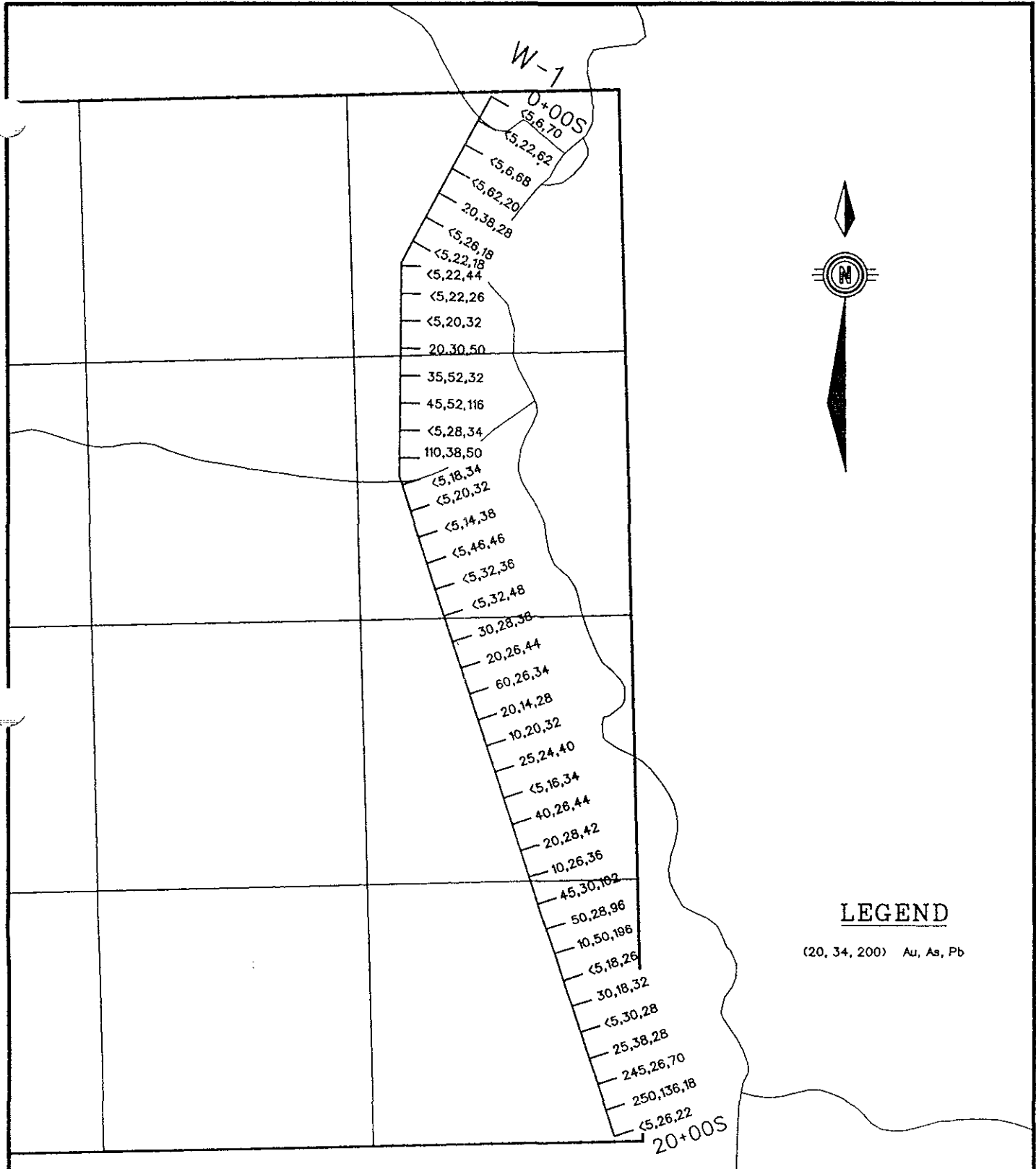
(20, 34, 200) Au, As, Pb



PACIFIC MARINER EXPLORATIONS
ANTLER PROPERTY
CARIBOO MINING DIVISION, BC
GOLD ANALYTICAL
RESULTS FOR LINES K-1, K-2

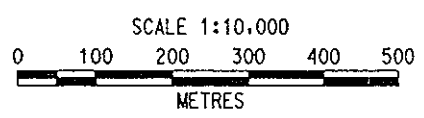
BY: A.T./p.s.
DATE: SEPTEMBER, 1994

FIGURE: 6



LEGEND

(20, 34, 200) Au, As, Pb



PACIFIC MARINER EXPLORATIONS

ANTLER PROPERTY

CARIBOO MINING DIVISION, BC

GOLD ANALYTICAL
RESULTS FOR LINE W-1

BY: A.T./p.s.
DATE: SEPTEMBER, 1994

FIGURE: 7

to 105 ppb are clustered over a 1.0 km² area between Wolf Creek and the head of California Creek. This area encompasses the Spitfire showing suggesting that mineralization in this area may be more widespread than previously believed.

Gold values in heavy mineral concentrates are shown on Figure 4. The results show very high gold concentrations, 21,960 ppb, in California Creek, approximately 100 m above the upstream end of former placer mining operations. Gold concentration in the 400 to 600 ppb range were also obtained from Grouse Creek and from the small tributary to Cunningham Creek draining the Wolf 27 & 29 Claims.

Soil sample results are shown on Figures 6 and 7, at a scale of 1:10,000. The results show highly significant gold concentrations to exist along the K1 and W1 soil lines.

Along the K1 soil line scattered anomalous gold concentrations occur between 0+00 S and 5+50 S. The highest gold values, up to 2,220 ppb, occur near the mouth of the Hard Cash adit situated at 3+50 S on this soil line. The results show anomalous arsenic values up to 1,500 ppm and anomalous lead values up to 2,310 ppm to coincide with this gold soil anomaly.

Along the W1 soil line consistently anomalous gold values occur between 10+50 S and 19+50 S with scattered anomalous values along the rest of the line. The highest gold concentrations, up to 250 ppb, occur between 19+00 and 19+50 S. The results show elevated arsenic values up to 136 ppm and elevated lead values up to 196 ppm to accompany the anomalous gold values.

4.0 PROSPECTING & ROCK CHIP SAMPLING PROGRAM:

In the course of prospecting the property 23 rock chip samples were taken from showings, quartz veins and angular blocks of mineralized float. Wherever possible the samples were taken perpendicular to the strike of the mineralized zones. Samples were taken by hand using hammers and chisels. On exposed faces weathered rock was removed in an attempt to minimize the affect of surface leaching.

The samples were sent to Chemex Laboratories Ltd. in North Vancouver, B.C. where they were assayed for gold by stand fire assay methods. Analyses for an additional 24 elements were obtained by conventional ICP methods.

4.1 ROCK SAMPLE RESULTS:

Rock sample descriptions and gold assays are given in Table 2 and sample locations are shown on Figure 4. The results show only background gold concentrations for all 23 samples. ICP analyses for an additional 32 elements are given in Appendix 1.

TABLE 2
ROCK SAMPLE DESCRIPTIONS AND GOLD ASSAYS

Sample No.	Gold oz/t	Description
RA-1	0.002	Angular quartz boulders to 1.0 m diameter with seams of semi massive pyrite. Found in McCallum Creek. Possibly dump material from Tipperary showing.
RA-2	0.002	Angular quartz boulders to 0.3 m diameter with 1 - 2 % pyrite Found in upper Stevens Creek
RA-3	0.002	Quartz-ankerite-pyrite veinlets in carbonatized andesite boulders exposed in placer workings in upper Stevens Creek.
RA-4	0.002	Quartz-calcite veinlets in carbbonatized andesite bedrock exposed in the bed of China Creek 30 m west of Antler Shear zone.
RA-5	0.006	1.5 m wide quartz-carbonate vein exposed at mouth of Hard-Cash adit. Station 3+50 S along K-1 soil line. Vein strikes $125^{\circ}/90^{\circ}$.
RA-6	0.006	1.0 m wide quartz vein explored by Lork Dufferin Adits. Station 11+00 S along K-1 soil line. Grab sample of quartz with fresh pyrite taken from quartz on dump.
RA-7	0.002	0.4 m wide quartz vein exposed in old trench on Keynote 1 claim. Station 10+00 W along G-0 geophysical line. Vein strikes $030^{\circ}/90^{\circ}$.
RA-8	0.002	Grab sample from mouth of Warspit adit. Quartzite with 1.0 % pyrite.
RA-9	0.002	10 cm quartz vein at station 3+00 S on W-1 soil line. Vein strikes $160^{\circ}/75^{\circ}W$.

TABLE 2 (cont'd)

Sample No.	Gold oz/t	Description
RA-10	0.002	80 cm quartz vein at station 3+80 S on W-1 soil line. Vein strikes $140^{\circ}/80^{\circ}\text{W}$.
RA-11	0.002	10 cm quartz vein at station 6+40 S on W-1 soil line. Vein strike unknown.
RA-12	0.002	80 cm wide, horizontal, quartz-carbonate vein at station 16+50 S on W-1 soil line.
RA-13	0.002	Angular quartz-carbonate boulders to 1.0 m diameter. Prospecting station on Wolf claim group. See Figure 4.
RA-14	0.002	Angular quartz-carbonate boulders to 1.0 m diameter. Prospecting station on Wolf claim group 105 m south of RA-13.
RA-15 d	0.002	10 cm quartz-carbonate vein in grey phyllite. Prospecting station on Wolf claim group 300 m south of RA-14. Vein strikes $120^{\circ}/45^{\circ}\text{E}$.
RA-16	0.002	40 cm quartz-carbonate vein in grey phyllite. Prospecting station on Wolf claim group 40 m south of RA-15. Vein strikes $080^{\circ}/45^{\circ}\text{N}$.
RA-17	0.002	3 cm quartz-carbonate-pyrite vein in grey phyllite. Prospecting station on Wolf claim group 100 m south of RA-16. Vein strikes $130^{\circ}/90^{\circ}\text{N}$.
RA-18	0.002	30 cm quartz-carbonate vein in grey phyllite. Prospecting station on Wolf claim group 15 m south of RA-17. Horizontal Vein.

TABLE 2 (cont'd)

Sample No.	Gold oz/t	Description
Toby-1	0.002	50 cm quartz vein exposed in cat trench over the Toby showing on the west side of Antler Creek. See Figure 4. The vein strikes $160^{\circ}/90^{\circ}$ and carries disseminated pyrite and galena.
Toby-2	0.002	1.0 m chip sample across black phyllite with 5 % disseminated pyrite. Station is 50 m south of Toby-1 over the Toby showing.
Toby-3	0.002	20.0 m chip sample across black phyllite with 5 % disseminated pyrite. Station is immediately north of Toby-2 over the Toby showing.
Toby-4	0.002	1.0 m quartz vein exposed by placer workings. The vein is located 5 m east of Toby-2 and is possibly the strike extension of the Toby-1 vein. The vein strikes $140^{\circ}/65^{\circ}$ N.
Toby-5	0.002	Sample of massive pyrite found in dredge tailings. Prospecting station located 200 m north of Toby-1.

5.0 GEOPHYSICS:

In order to determine if geophysical methods could be used to locate gold mineralization on the property, four test lines of magnetometer coverage, and three test lines of VLF-EM coverage were run over selected target areas. Line locations are shown on Figure 4.

The magnetometer survey was carried out using a GEM GE6 proton precession magnetometer manufactured by GEM Systems of Toronto, Ont. This instrument measures variations in the earth's magnetic field to an accuracy of plus or minus 1 gamma. Corrections for diurnal variations were made by completing loops and taking readings at a base station at one hour intervals.

The VLF-EM survey was carried out using a Geonics EM-16 unit. All three survey lines were run in an east-west direction. Readings were taken facing 090° using the Seattle Washington transmitting station NLK operating at 24.8 kHz.

5.1 Magnetometer Results:

Magnetometer results for four lines run over the property are shown on Figures 8 - 11 all at a scale of 1:500. The results show little evidence of magnetic features of the type usually associated with hydrothermal activity along faults or shear zones.

Grouse lines 0+00 and 1+00 south shown in Figures 8 and 9 show three sharp magnetic spikes located at 5+25w and 7+75w on line 0 and at 8+00w on line 1 south, in the vicinity of the Hard Cash adit on upper Grouse Creek. These anomalies are possibly due to magnetic debris around the mine workings but several short 25 m step out lines should be run to investigate these anomalies.

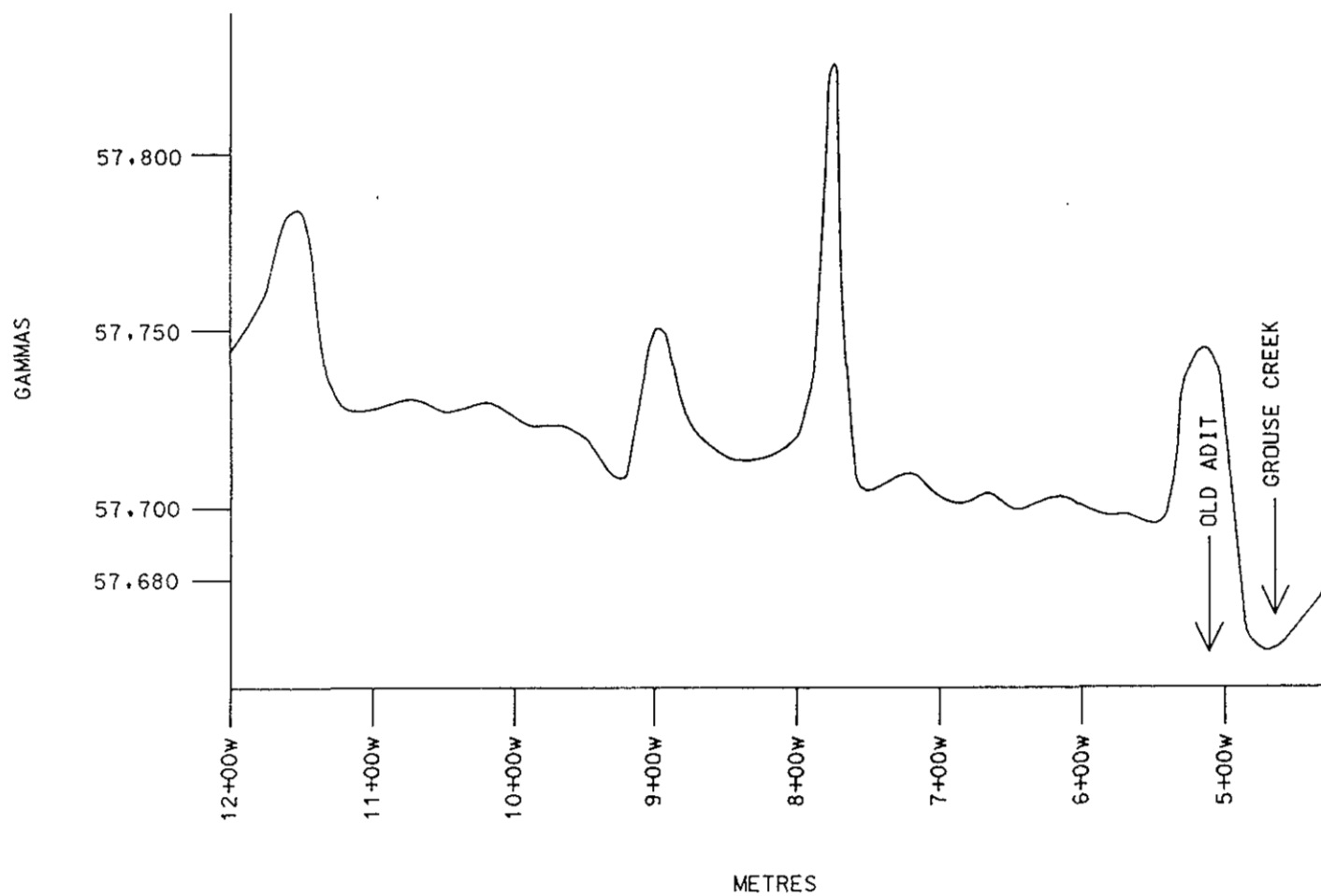
The China Creek Line run across the China Creek Showing in the Antler Shear Zone is shown in Figure 12. This line shows a broad magnetic low across China and Wolf creeks with three narrow magnetic spikes. The magnetic anomalies are probably due to metallic debris from former placer operations.

The Keynote Line run along the K-1 soil line is relatively flat with several narrow, weak, magnetic spikes. These are possibly reflecting narrow pyrrhotite enriched zones in the underlying quartzites.

5.2 VLF-EM Results:

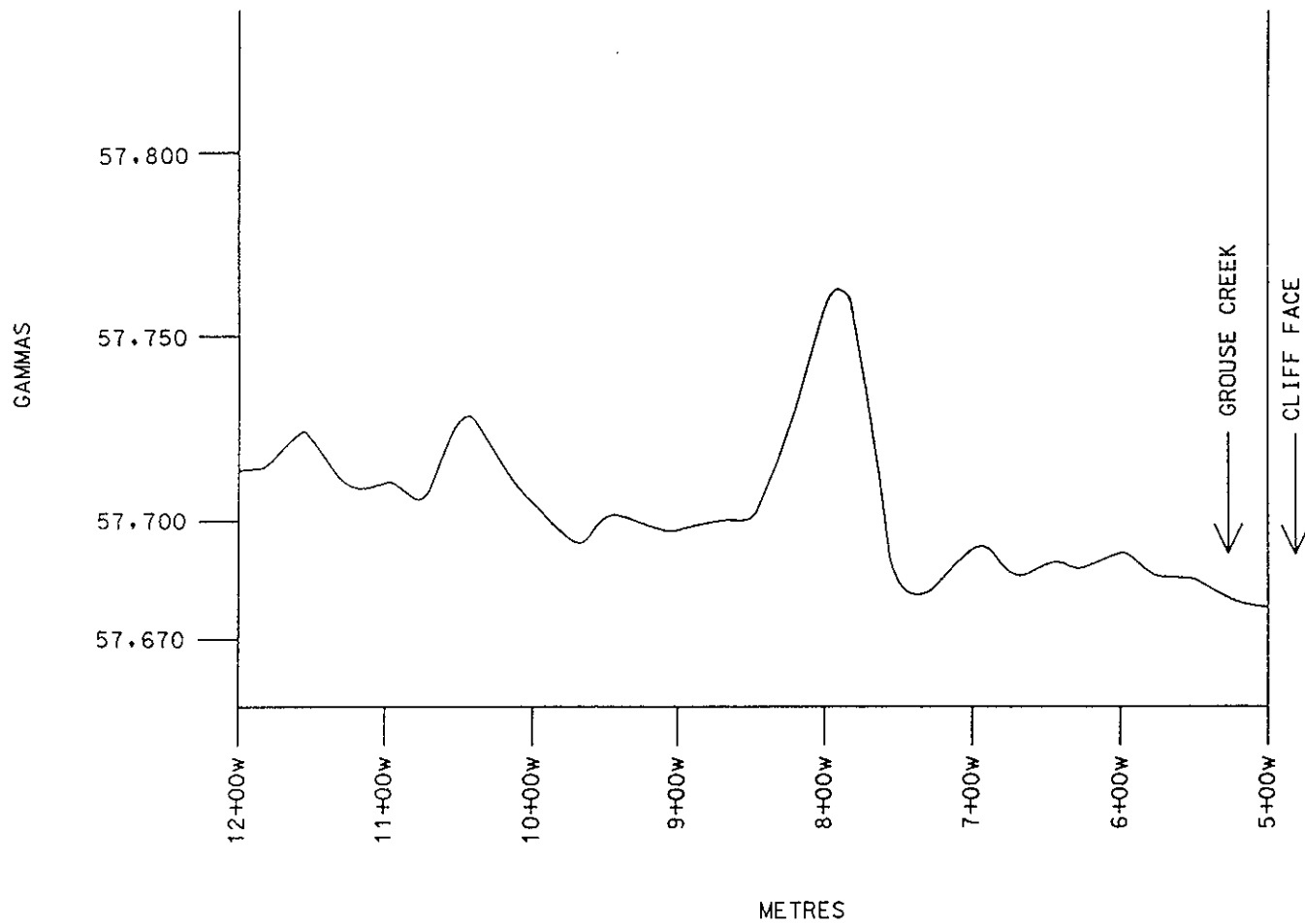
VLF-EM results are shown on Figures 12 - 14. The survey results show several weak to moderate conductors but do not display features of the type generally associated with hydrothermal activity along shear zones. Most of the conductors occur in the vicinity of graphite rich phyllite units. A single weak conductor located at 7+75w on Grouse Line 0+00 coincides with a magnetic anomaly and thus may be reflecting pyrrhotite mineralization along a narrow shear zone. This anomaly should be investigated with additional 25 m spaced step out lines.

GROUSE MAG LINE 0+00 SOUTH



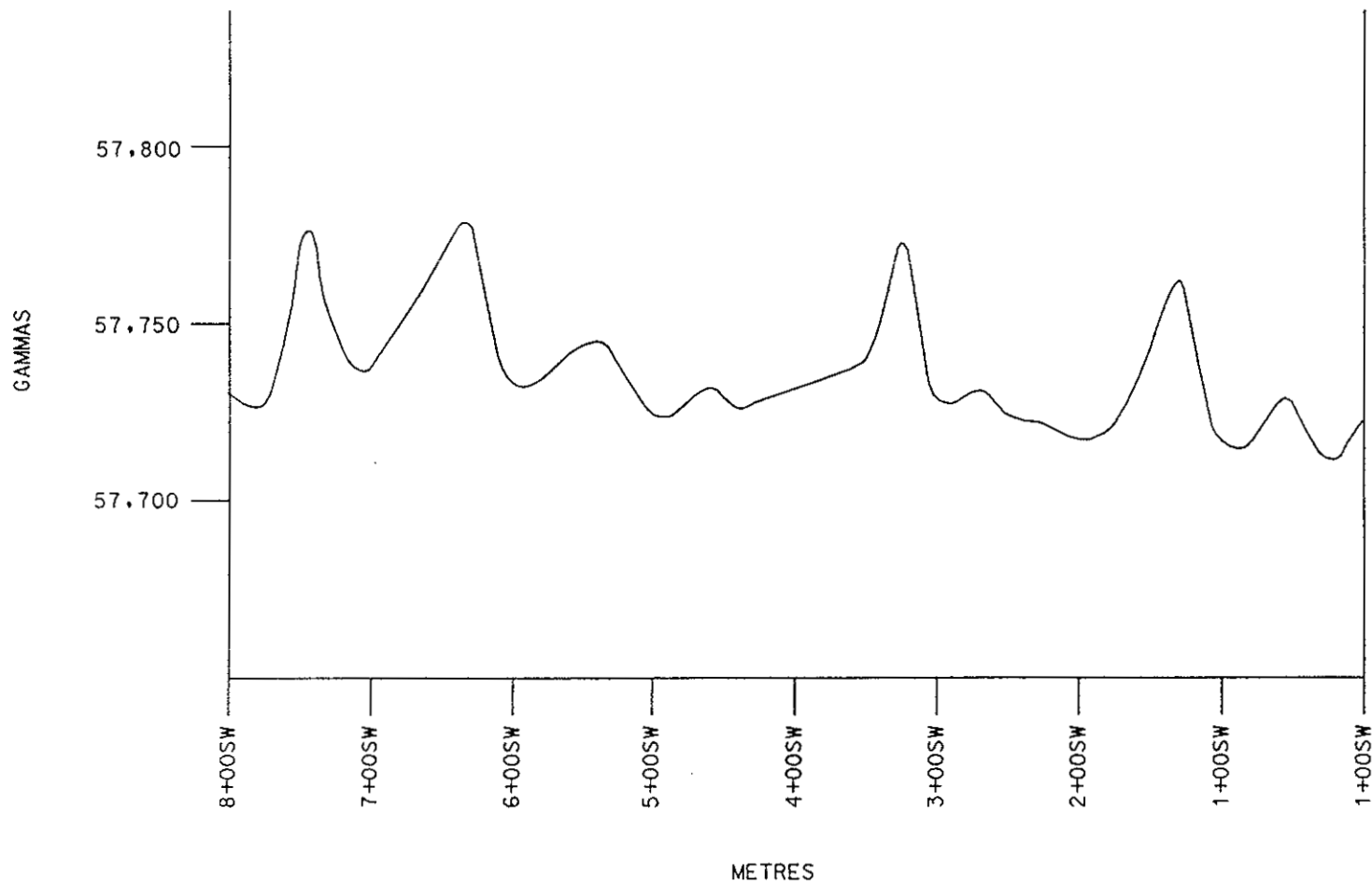
SCALE 1:500
FIGURE: 8

GROUSE MAG LINE 1+00 SOUTH



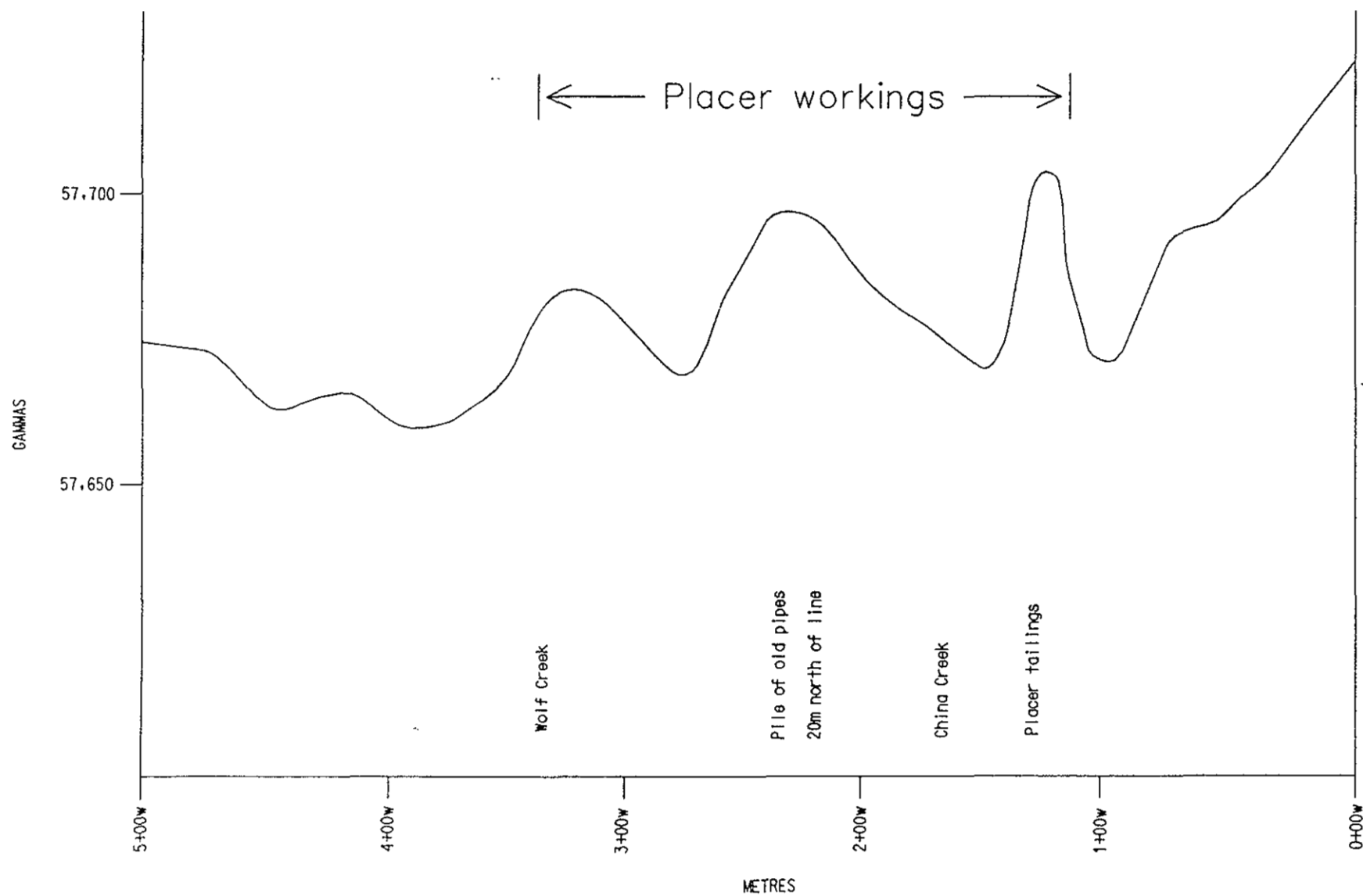
SCALE 1:500
FIGURE: 9

KEYNOTE MAG LINE 0+00



SCALE 1:500
FIGURE: 10

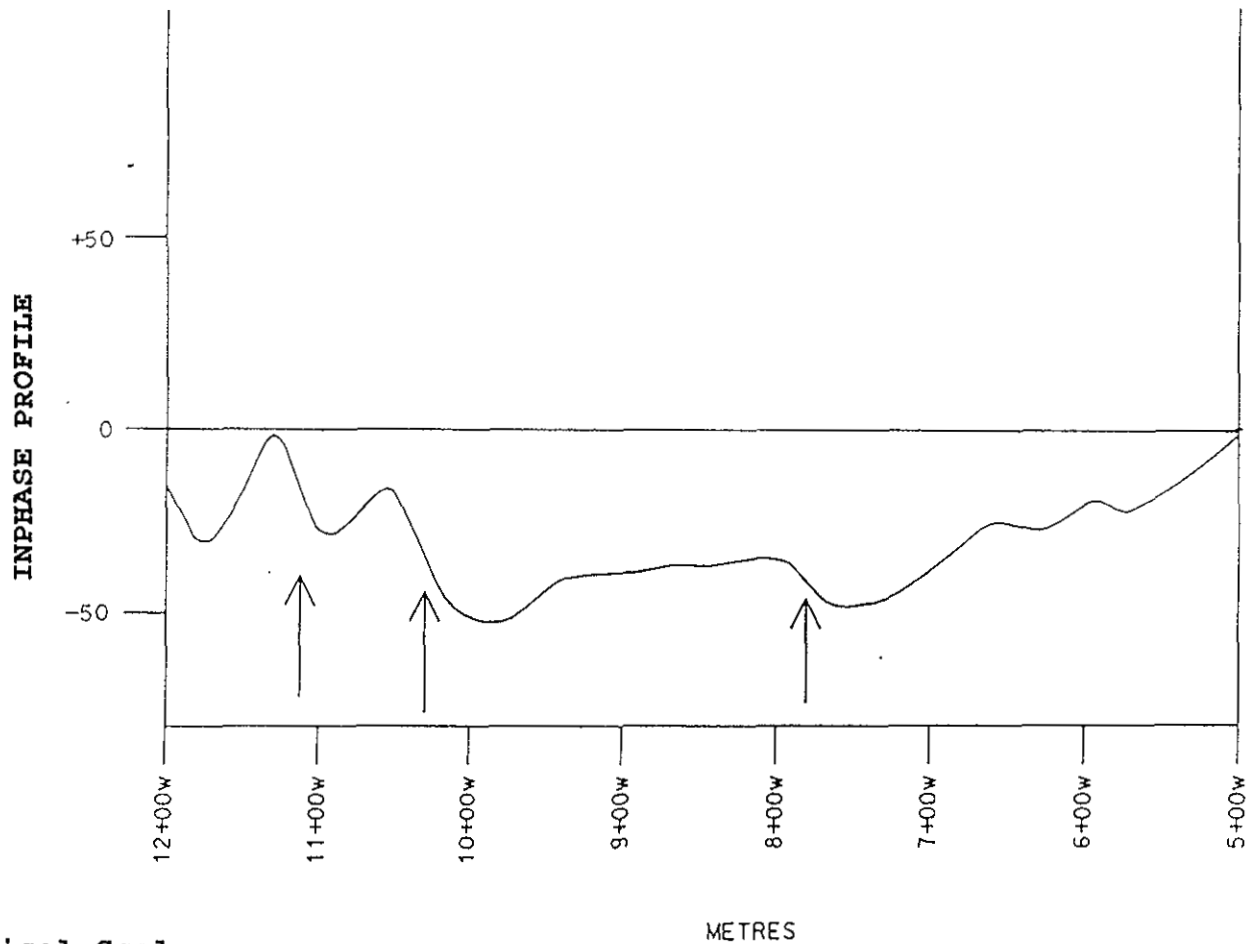
CHINA CREEK MAG PROFILE



SCALE 1:250

FIGURE: 11

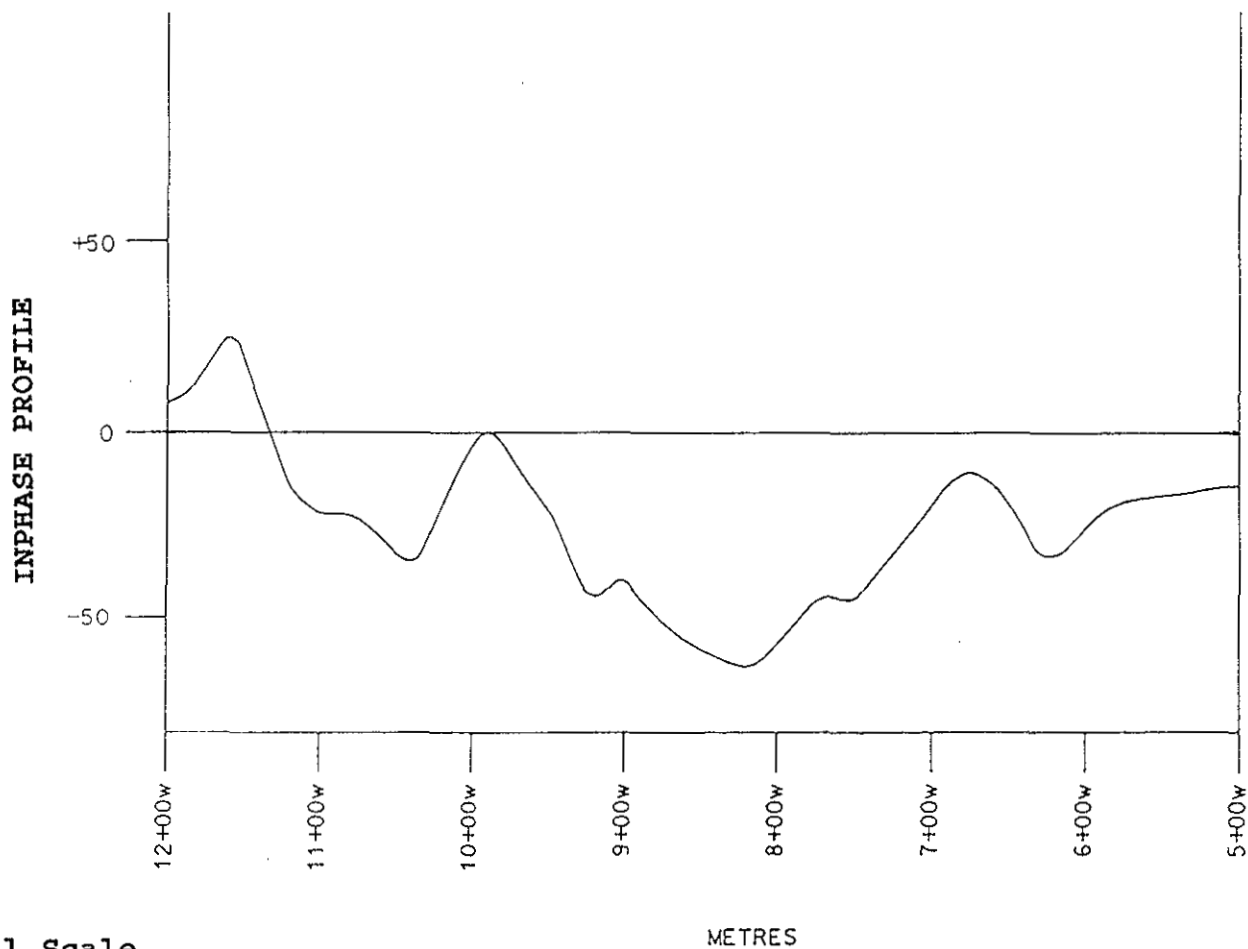
GROUSE VLF-EM LINE 0+00 SOUTH
Station Seattle - Reading direction 090°



Vertical Scale
0.5 centimeters = 10%

SCALE 1:500
FIGURE: 12

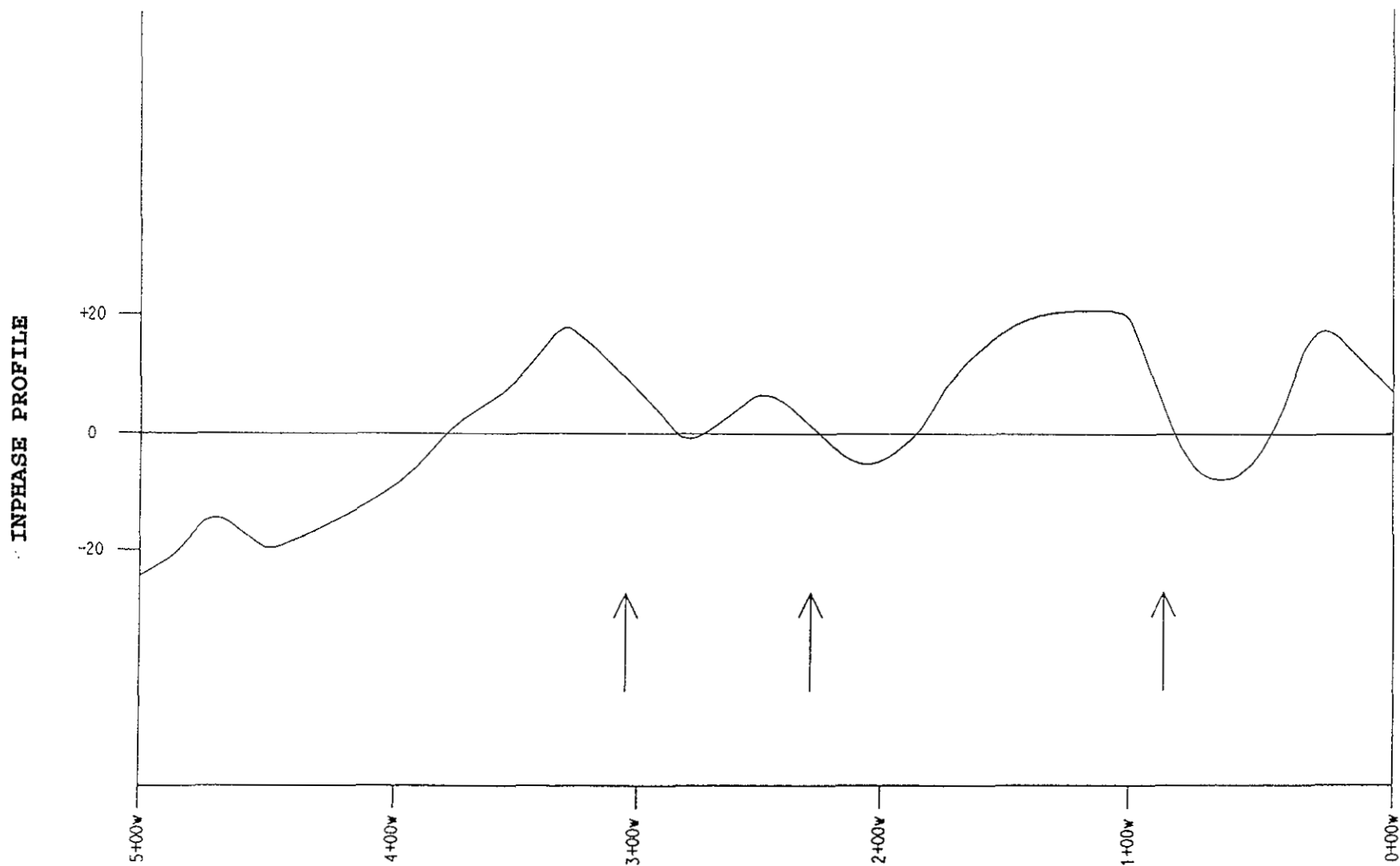
GROUSE VLF-EM LINE 1+00 SOUTH
Station Seattle - Reading direction 090°



Vertical Scale
0.5 centimeters = 10%

SCALE 1:500
FIGURE: 13

CHINA CREEK VLF-EM PROFILE
Station Seattle - Reading direction 090°



Vertical Scale
1 centimeter = 10%

METRES

SCALE 1:250

FIGURE: 14

6.0 DISCUSSIONS AND CONCLUSIONS:

The results of work completed to date over the Antler Creek Property may be summarized as follows:

(a) The property is underlain by the same geologic units that host the former Cariboo Gold Quartz, Island Mountain and Mosquito Creek gold mines just 15 km to the northwest.

(b) Although hampered by an extensive blanket of glacial till, previous exploration programs discovered nine widely spaced showings on the property.

(c) Stream sediment sampling completed by Pacific Mariner Resources Ltd. in 1994 shows very high gold concentrations in streams draining upper California Creek and the south Cunningham Creek area.

(d) Reconnaissance soil sampling completed in 1994 revealed anomalous gold concentrations in the vicinity of the Hard Cash Showing and over a new anomaly along Cunningham Creek.



(e) Panned concentrate samples showed highly anomalous gold concentrations in California creek, and anomalous gold concentrations in the Grouse Creek and Cunningham Creek areas.

(f) A reconnaissance magnetometer survey carried out during the present program showed several narrow, unexplained anomalies in the vicinity of the Hard Cash Adit.

(f) A reconnaissance VLF-EM survey carried out during the present program gave inconclusive results.

The results discussed above are encouraging and show that three widely separated areas of anomalous gold values in soils or stream sediment exist on the Antler Creek Property. Additional exploration should be carried out over these three areas. This work should initially entail prospecting, basal till sampling and several additional test lines of geophysical coverage.

Respectfully submitted at Vancouver, British Columbia



 A.G. Troup, P. ENG. ENGINEER

7.0 REFERENCES:


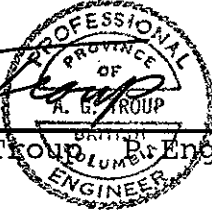
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8.0..STATEMENT OF QUALIFICATIONS:

I, Arthur G. Troup, do hereby certify that:

- 1) I am a consulting geologist with Archean Engineering Ltd. of 3605 Creery Avenue, West Vancouver, B.C.
- 2) I am a graduate of McMaster University in Hamilton, Ontario with an M.Sc. in Geology.
- 3) I am a registered member of the Association of Professional Engineers of the Province of British Columbia.
- 4) I have practiced my profession in Canada and abroad since 1964.
- 5) I have based this report on work done by myself or under my supervision. I was physically on the property for the purpose of carrying out the program from August 10th to 19th, 1994. Data obtained from the Geological Survey of Canada, B.C. Dept. of Mines, and assessment reports and other support documents provided by Pacific Mariner Exploration Ltd., were also used as background and reference data.

Dated at Vancouver, British Columbia,
this 14th day of October 1994.

 Arthur G. Troup, P. Eng.

9.0 COST STATEMENT

CONTRACT GEOCHEMISTRY, GEOPHYSICS AND PROSPECTING: Archean Engineering Ltd.	6,541.78
ASSAYING AND GEOCHEMICAL ANALYSIS: Chemex Labs Ltd.	2,787.00
CRAFTING CHARGES: Digital Geographics Ltd.	1,070.00
REPORT PREPARATION: Archean Engineering Ltd.	2,247.00
	<hr/>
	12,645.78

APPENDIX



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# OF SAMPLES	ANALYSED FOR CODE - DESCRIPTION	UNIT PRICE	SAMPLE PRICE	AMOUNT
13	201 - Dry, sieve to -80 mesh ICP-32	1.10 6.25		
	100 - Au ppb FA+AA	7.95	15.30	198.90
				Total Cost \$ 198.90
				(Reg# R100938885) GST \$ 13.92
				TOTAL PAYABLE (CDN) \$ 212.82

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Samples submitted to our lab in Vancouver, BC.
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SAMPLE PREPARATION

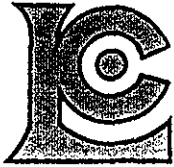
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229	13	ICP - AQ Digestion charge

* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
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2119	13	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	13	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2121	13	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	13	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	13	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
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2148	13	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	13	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000



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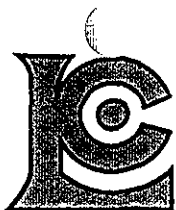
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SSA-11	201 229	< 5	0.6	0.82	6	20	< 0.5	< 2	1.75	0.5	4	11	29	1.85	< 10	< 1	0.03	20	0.20	250
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CERTIFICATION:

Yhai J Ma



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SSA-07	201 229	1 < 0.01		42	610	98	< 2	2	16	< 0.01	< 10	< 10	8	10	150
SSA-08	201 229	1 0.01		39	1100	76	< 2	3	54	< 0.01	< 10	< 10	24	20	114
SSA-09	201 229	1 0.01		36	1180	42	2	2	78	< 0.01	< 10	< 10	23	10	166
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SSA-13	201 229	1 0.01		25	640	36	< 2	2	26	0.02	< 10	< 10	38	< 10	90

CERTIFICATION:

Phai D Ma



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PHONE: 604-984-0221

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COPY

# OF SAMPLES	ANALYSED FOR CODE - DESCRIPTION	UNIT PRICE	SAMPLE PRICE	AMOUNT
99	203 - Dry, sieve to -35 mesh	1.10		
	205 - Geochem ring to approx 150 mesh	2.50		
	ICP-32	6.25		
	100 - Au ppb FA+AA	7.95	17.80	1762.20
				Total Cost \$ 1762.20
				(Reg# R100938885) GST \$ 123.35
				TOTAL PAYABLE (CDN) \$ 1885.55



Chemex Labs Ltd.

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212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

CLIENT: PACIFIC MARINER EXPLORATION LTD.

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SAMPLE PREPARATION

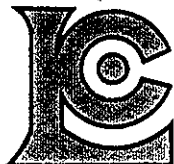
CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
203	99	Dry, sieve to -35 mesh
205	99	Geochem ring to approx 150 mesh
229	99	ICP - AQ Digestion charge

* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
100	99	Au ppb: Fuse 10 g sample	FA-AAS	5	10000
2118	99	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	200
2119	99	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	99	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2121	99	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	99	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	99	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	99	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	99	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2126	99	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	99	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	99	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	99	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	99	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	99	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	99	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	99	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	99	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	99	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	99	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	99	Na %: 32 element, soil & rock	ICP-AES	0.01	5.00
2138	99	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	99	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	99	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	99	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	99	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	99	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	99	Ti %: 32 element, soil & rock	ICP-AES	0.01	5.00
2145	99	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	99	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	99	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	99	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	99	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000



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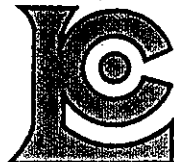
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 Comments :

CERTIFICATE OF ANALYSIS A9424338

SAMPLE	PREP CODE		Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
	FA+AA																				
K1 00+00S	203	205	60	< 0.2	1.69	64	160	< 0.5	< 2	0.06	< 0.5	19	132	31	4.32	< 10	< 1	0.30	30	0.29	990
K1 00+50S	203	205	105	< 0.2	1.23	46	140	< 0.5	< 2	0.15	< 0.5	13	173	31	4.15	< 10	< 1	0.26	30	0.24	525
K1 01+00S	203	205	< 5	< 0.2	1.16	40	120	< 0.5	< 2	0.13	< 0.5	16	107	44	4.22	< 10	< 1	0.19	30	0.22	750
K1 01+50S	203	205	10	1.2	1.50	84	170	0.5	< 2	0.14	0.5	127	78	199	12.15	< 10	< 1	0.23	20	0.20	3310
K1 02+00S	203	205	< 5	< 0.2	1.11	28	100	< 0.5	< 2	0.02	< 0.5	19	58	52	4.28	< 10	< 1	0.15	30	0.14	1850
K1 02+50S	203	205	2220	0.2	1.08	94	140	< 0.5	< 2	0.04	< 0.5	27	91	63	6.51	< 10	< 1	0.27	40	0.08	2510
K1 03+00S	203	205	555	1.4	0.89	488	180	< 0.5	< 2	0.02	0.5	15	100	36	5.62	< 10	< 1	0.32	40	0.04	1310
K1 03+50S	203	205	410	3.2	0.94	444	190	< 0.5	< 2	0.06	2.0	44	66	49	6.31	< 10	< 1	0.24	30	0.11	4140
K1 04+00S	203	205	10	1.2	1.16	62	140	< 0.5	< 2	0.02	< 0.5	18	97	32	4.03	< 10	< 1	0.20	30	0.07	2880
K1 04+50S	203	205	< 5	0.4	1.17	96	90	< 0.5	< 2	0.06	1.0	20	85	44	5.07	< 10	< 1	0.16	20	0.17	1390
K1 05+00S	203	205	295	3.6	0.75	1510	80	< 0.5	< 2	0.05	0.5	19	117	49	5.36	< 10	< 1	0.24	30	0.03	1705
K1 05+50S	203	205	10	0.8	0.88	102	160	0.5	< 2	0.08	0.5	24	147	61	5.08	< 10	< 1	0.38	30	0.07	1660
K1 06+00S	203	205	5	1.4	0.78	68	90	< 0.5	< 2	0.04	< 0.5	14	94	29	4.41	< 10	< 1	0.21	30	0.06	1000
K1 06+50S	203	205	< 5	< 0.2	1.47	32	130	< 0.5	< 2	0.15	< 0.5	16	95	33	4.28	< 10	< 1	0.28	40	0.36	770
K1 07+00S	203	205	45	< 0.2	0.83	20	100	< 0.5	< 2	0.02	< 0.5	14	65	44	4.04	< 10	< 1	0.28	40	0.03	725
K1 07+50S	203	205	< 5	< 0.2	0.96	10	70	< 0.5	< 2	0.02	< 0.5	19	41	41	5.84	< 10	< 1	0.13	20	0.13	1745
K1 08+00S	203	205	< 5	0.2	0.56	12	50	< 0.5	< 2	0.10	< 0.5	4	80	20	2.55	< 10	< 1	0.12	20	0.13	365
K1 08+50S	203	205	< 5	0.2	0.75	18	110	< 0.5	< 2	0.09	< 0.5	12	45	31	3.56	< 10	< 1	0.10	20	0.13	1155
K1 09+00S	203	205	< 5	0.8	1.05	10	80	< 0.5	< 2	0.15	< 0.5	11	49	35	3.28	< 10	< 1	0.10	20	0.19	1085
K1 09+50S	203	205	< 5	< 0.2	0.58	14	30	< 0.5	< 2	0.02	< 0.5	7	59	30	4.04	< 10	< 1	0.06	20	0.14	350
K1 10+00S	203	205	< 5	0.4	0.90	14	80	< 0.5	< 2	0.12	< 0.5	15	47	27	3.64	< 10	< 1	0.13	20	0.18	1760
K1 10+50S	203	205	< 5	< 0.2	0.44	38	80	< 0.5	< 2	0.06	< 0.5	23	56	29	3.87	< 10	< 1	0.15	30	0.04	1085
K1 11+00S	203	205	< 5	< 0.2	0.81	4	70	< 0.5	< 2	0.02	< 0.5	20	74	51	4.27	< 10	< 1	0.17	40	0.16	530
K1 11+50S	203	205	< 5	0.2	0.58	12	70	< 0.5	< 2	0.01	< 0.5	6	109	17	2.56	< 10	< 1	0.12	20	0.07	435
K1 12+00S	203	205	< 5	< 0.2	1.55	4	230	< 0.5	< 2	0.17	< 0.5	14	242	22	3.26	< 10	< 1	0.46	30	0.11	2790
K1 12+50S	203	205	< 5	0.4	0.60	8	110	< 0.5	< 2	< 0.01	< 0.5	12	52	57	7.05	< 10	< 1	0.13	30	0.05	490
K1 13+00S	203	205	< 5	< 0.2	1.09	12	150	< 0.5	< 2	0.09	< 0.5	15	64	31	4.32	< 10	< 1	0.18	30	0.24	1640
K1 13+50S	203	205	< 5	< 0.2	0.45	< 2	90	< 0.5	< 2	< 0.01	< 0.5	1	97	3	0.62	< 10	< 1	0.19	40	0.02	75
K1 14+00S	203	205	< 5	< 0.2	0.52	8	80	< 0.5	< 2	< 0.01	< 0.5	27	71	57	5.00	< 10	< 1	0.19	30	0.06	1190
K1 14+50S	203	205	< 5	< 0.2	0.39	6	100	< 0.5	< 2	0.02	< 0.5	2	92	4	1.19	< 10	< 1	0.18	40	0.01	185
K1 15+00S	203	205	< 5	0.2	1.22	12	290	< 0.5	< 2	0.16	< 0.5	13	61	19	3.44	< 10	< 1	0.16	30	0.27	930
K1 15+50S	203	205	< 5	< 0.2	0.60	14	80	< 0.5	< 2	0.02	< 0.5	15	105	48	4.33	< 10	< 1	0.17	40	0.08	720
K1 16+00S	203	205	< 5	0.2	1.05	10	160	< 0.5	< 2	0.19	< 0.5	14	69	28	3.42	< 10	< 1	0.19	30	0.34	575
K1 16+50S	203	205	< 5	< 0.2	1.12	6	310	< 0.5	< 2	0.21	< 0.5	14	61	24	3.41	< 10	< 1	0.13	30	0.28	1005
K1 17+00S	203	205	< 5	< 0.2	0.61	2	180	< 0.5	< 2	0.17	< 0.5	13	94	22	3.13	< 10	< 1	0.21	30	0.13	2030
K1 17+50S	203	205	< 5	0.8	1.66	6	300	< 0.5	< 2	0.22	< 0.5	13	64	38	4.07	< 10	< 1	0.18	40	0.27	730
K1 18+00S	203	205	< 5	< 0.2	1.10	14	190	< 0.5	< 2	0.18	< 0.5	17	82	47	3.65	< 10	< 1	0.19	60	0.34	935
K1 18+50S	203	205	< 5	< 0.2	1.07	6	170	< 0.5	< 2	0.11	< 0.5	6	105	8	2.44	< 10	< 1	0.19	40	0.27	995
K1 19+00S	203	205	< 5	0.4	0.85	4	140	< 0.5	< 2	0.15	< 0.5	8	69	16	2.81	< 10	< 1	0.19	30	0.23	840
K1 19+50S	203	205	< 5	0.2	0.93	2	320	< 0.5	< 2	0.19	< 0.5	7	78	15	2.16	< 10	< 1	0.22	30	0.21	860

CERTIFICATION:

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CERTIFICATE OF ANALYSIS

A9424338

SAMPLE	PREP		Mo	Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
	CODE		ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
K1 00+00S	203	205	1	0.03	51	510	76	< 2	2	13	0.01	< 10	< 10	24	10	68
K1 00+50S	203	205	1	0.02	34	620	96	< 2	1	22	0.01	< 10	< 10	20	< 10	84
K1 01+00S	203	205	1	0.01	33	620	54	< 2	1	11	0.02	< 10	< 10	35	< 10	84
K1 01+50S	203	205	2	0.02	163	1930	122	< 2	7	26	< 0.01	< 10	< 10	16	50	170
K1 02+00S	203	205	1	0.01	38	590	56	< 2	< 1	9	< 0.01	< 10	< 10	12	< 10	84
K1 02+50S	203	205	1	0.02	55	980	188	< 2	1	14	< 0.01	< 10	< 10	10	20	138
K1 03+00S	203	205	2	0.02	37	750	400	< 2	< 1	8	< 0.01	< 10	< 10	13	< 10	176
K1 03+50S	203	205	1	0.02	69	730	1345	< 2	2	20	< 0.01	< 10	< 10	11	20	246
K1 04+00S	203	205	1	0.01	26	910	292	< 2	< 1	14	< 0.01	< 10	< 10	15	< 10	142
K1 04+50S	203	205	< 1	0.01	40	690	298	< 2	1	10	< 0.01	< 10	< 10	10	< 10	236
K1 05+00S	203	205	4	0.01	38	790	2310	< 2	< 1	11	< 0.01	< 10	< 10	7	< 10	262
K1 05+50S	203	205	1	0.01	42	760	190	< 2	1	21	< 0.01	< 10	< 10	8	< 10	198
K1 06+00S	203	205	1	0.01	26	830	334	< 2	< 1	9	< 0.01	< 10	< 10	9	< 10	176
K1 06+50S	203	205	< 1	0.02	34	920	36	< 2	2	15	< 0.01	< 10	< 10	11	< 10	90
K1 07+00S	203	205	3	0.02	25	870	56	< 2	1	16	< 0.01	< 10	< 10	8	< 10	56
K1 07+50S	203	205	3	0.02	27	2930	32	< 2	< 1	8	< 0.01	< 10	< 10	12	10	88
K1 08+00S	203	205	1	< 0.01	17	1080	18	< 2	< 1	9	< 0.01	< 10	< 10	12	< 10	50
K1 08+50S	203	205	2	0.01	26	760	46	< 2	< 1	10	< 0.01	< 10	< 10	14	< 10	72
K1 09+00S	203	205	1	0.01	30	1290	32	< 2	< 1	16	< 0.01	< 10	< 10	11	< 10	74
K1 09+50S	203	205	1	< 0.01	23	640	34	< 2	< 1	4	< 0.01	< 10	< 10	10	< 10	68
K1 10+00S	203	205	1	0.01	27	1390	38	< 2	< 1	9	< 0.01	< 10	< 10	13	< 10	80
K1 10+50S	203	205	3	0.02	30	900	34	< 2	< 1	11	< 0.01	< 10	< 10	8	< 10	74
K1 11+00S	203	205	1	0.01	43	620	40	< 2	< 1	6	< 0.01	< 10	< 10	8	< 10	96
K1 11+50S	203	205	< 1	0.01	15	810	34	< 2	< 1	7	< 0.01	< 10	< 10	12	< 10	42
K1 12+00S	203	205	< 1	0.03	31	1190	10	< 2	< 1	29	< 0.01	< 10	< 10	19	< 10	76
K1 12+50S	203	205	3	0.01	33	1010	48	< 2	< 1	19	< 0.01	< 10	< 10	13	10	110
K1 13+00S	203	205	< 1	0.01	31	1530	24	< 2	< 1	13	< 0.01	< 10	< 10	11	< 10	66
K1 13+50S	203	205	< 1	< 0.01	3	210	4	< 2	< 1	6	< 0.01	< 10	< 10	6	< 10	10
K1 14+00S	203	205	< 1	< 0.01	48	750	30	< 2	< 1	6	< 0.01	< 10	< 10	4	< 10	100
K1 14+50S	203	205	< 1	0.01	7	320	6	< 2	< 1	10	< 0.01	< 10	< 10	4	< 10	20
K1 15+00S	203	205	< 1	0.01	25	1020	30	< 2	1	19	< 0.01	< 10	< 10	17	< 10	100
K1 15+50S	203	205	< 1	0.01	31	460	36	< 2	1	14	< 0.01	< 10	< 10	6	< 10	90
K1 16+00S	203	205	1	0.01	31	1140	46	< 2	1	20	< 0.01	< 10	< 10	13	< 10	92
K1 16+50S	203	205	1	0.01	29	710	24	< 2	1	20	< 0.01	< 10	< 10	17	< 10	78
K1 17+00S	203	205	1	0.01	20	1460	28	< 2	< 1	25	< 0.01	< 10	< 10	17	< 10	80
K1 17+50S	203	205	1	0.01	43	1530	32	< 2	2	26	< 0.01	< 10	< 10	17	10	150
K1 18+00S	203	205	1	0.01	45	830	28	< 2	1	22	< 0.01	< 10	< 10	10	< 10	134
K1 18+50S	203	205	< 1	0.01	13	1040	20	< 2	< 1	14	< 0.01	< 10	< 10	20	< 10	50
K1 19+00S	203	205	< 1	0.01	18	1310	18	< 2	< 1	18	< 0.01	< 10	< 10	11	< 10	54
K1 19+50S	203	205	1	0.01	18	1600	20	< 2	< 1	20	< 0.01	< 10	< 10	14	< 10	58

CERTIFICATION:

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CERTIFICATE OF ANALYSIS A9424338

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
K1 20+00S	203 205	< 5	< 0.2	1.88	12	290	< 0.5	< 2	0.16	< 0.5	16	221	14	4.37	< 10	< 1	0.40	40	0.33	2220
K2 0+00SW	203 205	< 5	< 0.2	1.50	6	220	< 0.5	< 2	0.04	< 0.5	7	252	15	2.84	< 10	< 1	0.33	60	0.15	225
K2 0+50SW	203 205	< 5	< 0.2	1.46	18	200	< 0.5	< 2	0.04	< 0.5	14	186	22	4.41	< 10	< 1	0.42	50	0.09	725
K2 1+00SW	203 205	< 5	1.2	1.28	6	230	< 0.5	< 2	0.07	< 0.5	8	139	19	3.03	< 10	< 1	0.39	80	0.07	215
K2 1+50SW	203 205	< 5	1.2	1.68	4	170	< 0.5	< 2	0.11	< 0.5	8	183	20	3.04	< 10	< 1	0.22	20	0.27	320
K2 2+00SW	203 205	< 5	0.4	1.35	6	250	< 0.5	< 2	0.12	< 0.5	9	303	11	3.42	< 10	< 1	0.34	40	0.15	325
K2 2+50SW	203 205	< 5	0.4	1.48	8	300	< 0.5	< 2	0.07	< 0.5	13	195	19	3.41	< 10	< 1	0.29	30	0.17	475
K2 3+00SW	203 205	< 5	1.4	2.07	< 2	420	0.5	< 2	0.05	< 0.5	30	210	31	3.70	< 10	< 1	0.28	30	0.17	2050
K2 3+50SW	203 205	< 5	0.2	1.49	4	410	< 0.5	< 2	0.08	< 0.5	11	179	22	3.86	< 10	< 1	0.28	30	0.18	1150
K2 4+00SW	203 205	< 5	0.6	1.64	18	270	< 0.5	< 2	0.03	< 0.5	13	218	30	5.15	< 10	< 1	0.34	40	0.22	565
K2 4+50SW	203 205	< 5	0.6	1.10	< 2	140	< 0.5	< 2	< 0.01	< 0.5	2	185	16	1.34	< 10	< 1	0.35	60	0.04	60
K2 5+00SW	203 205	< 5	0.6	1.34	6	180	< 0.5	< 2	0.01	< 0.5	4	206	27	3.44	< 10	< 1	0.35	40	0.11	260
K2 5+50SW	203 205	< 5	0.6	1.99	6	210	< 0.5	< 2	0.03	< 0.5	15	177	32	4.21	< 10	< 1	0.37	40	0.47	1480
K2 6+00SW	203 205	< 5	1.0	1.71	6	490	< 0.5	< 2	0.20	< 0.5	7	195	28	3.43	< 10	< 1	0.30	30	0.21	695
K2 6+50SW	203 205	< 5	3.0	1.56	8	570	< 0.5	< 2	0.23	< 0.5	28	241	32	3.26	< 10	< 1	0.27	20	0.12	1560
K2 7+00SW	203 205	< 5	3.6	2.11	18	580	< 0.5	< 2	1.54	0.5	10	242	36	2.68	< 10	< 1	0.20	10	0.17	1875
K2 7+50SW	203 205	< 5	3.6	1.57	2	600	< 0.5	< 2	0.31	< 0.5	2	111	35	2.58	< 10	< 1	0.23	30	0.10	130
K2 8+00SW	203 205	< 5	1.2	1.12	20	630	< 0.5	< 2	0.02	< 0.5	10	160	12	5.12	< 10	< 1	0.25	20	0.09	1195
W1 00+00S	203 205	< 5	1.0	1.62	6	440	0.5	< 2	0.49	2.0	23	98	90	8.42	< 10	< 1	0.29	30	0.35	6700
W1 00+50S	203 205	< 5	0.4	1.46	22	170	< 0.5	< 2	0.98	0.5	39	117	71	5.95	< 10	< 1	0.31	20	0.44	875
W1 01+00S	203 205	< 5	0.4	1.35	6	170	0.5	< 2	0.22	< 0.5	28	82	79	4.92	< 10	< 1	0.43	20	0.17	465
W1 01+50S	203 205	< 5	0.4	1.14	62	180	< 0.5	< 2	0.53	0.5	54	40	198	7.47	< 10	< 1	0.25	20	0.22	595
W1 02+00S	203 205	20	0.2	1.88	38	160	< 0.5	< 2	0.26	< 0.5	21	150	44	5.45	< 10	< 1	0.36	60	0.34	870
W1 02+50S	203 205	< 5	< 0.2	0.78	26	70	< 0.5	< 2	0.19	< 0.5	29	15	54	4.70	< 10	< 1	0.07	30	0.27	430
W1 03+00S	203 205	< 5	< 0.2	1.75	22	130	0.5	< 2	0.20	< 0.5	26	48	53	4.62	< 10	< 1	0.34	50	0.52	375
W1 03+50S	203 205	< 5	1.2	1.37	22	190	0.5	< 2	0.32	1.5	26	92	82	5.33	< 10	< 1	0.31	40	0.24	765
W1 04+00S	203 205	< 5	0.4	2.22	22	200	0.5	< 2	0.20	< 0.5	27	90	60	5.65	< 10	< 1	0.29	30	0.37	685
W1 04+50S	203 205	< 5	0.4	1.67	20	170	< 0.5	< 2	0.29	< 0.5	23	111	54	4.98	< 10	< 1	0.22	40	0.38	995
W1 05+00S	203 205	20	0.2	1.60	30	110	< 0.5	< 2	0.18	< 0.5	26	136	69	6.70	< 10	< 1	0.16	30	0.34	1840
W1 05+50S	203 205	35	0.4	1.44	52	230	< 0.5	< 2	0.28	< 0.5	24	133	69	5.88	< 10	< 1	0.24	50	0.40	900
W1 06+00S	203 205	45	< 0.2	3.62	52	140	0.5	< 2	0.12	< 0.5	45	176	106	7.85	< 10	< 1	0.25	20	0.92	2690
W1 06+50S	203 205	< 5	< 0.2	1.67	28	120	< 0.5	< 2	0.20	< 0.5	26	130	57	5.86	< 10	< 1	0.25	40	0.49	1075
W1 07+00S	203 205	110	< 0.2	1.85	38	140	< 0.5	< 2	0.15	< 0.5	22	145	58	5.68	< 10	< 1	0.29	50	0.52	980
W1 07+50S	203 205	< 5	0.2	1.45	18	200	< 0.5	< 2	0.16	< 0.5	23	154	62	5.09	< 10	< 1	0.30	40	0.39	795
W1 08+00S	203 205	< 5	< 0.2	1.69	20	140	< 0.5	< 2	2.72	< 0.5	19	57	49	4.59	< 10	< 1	0.23	20	0.91	730
W1 08+50S	203 205	< 5	0.2	2.22	14	220	< 0.5	< 2	0.16	< 0.5	22	208	58	5.20	< 10	< 1	0.41	40	0.37	790
W1 09+00S	203 205	< 5	0.2	1.86	46	220	< 0.5	< 2	0.43	< 0.5	35	161	94	7.06	< 10	< 1	0.45	30	0.51	1725
W1 09+50S	203 205	< 5	< 0.2	2.03	32	160	< 0.5	< 2	0.24	< 0.5	24	147	52	5.41	< 10	< 1	0.34	50	0.51	850
W1 10+00S	203 205	< 5	< 0.2	1.93	32	160	< 0.5	< 2	0.16	< 0.5	27	123	68	5.95	< 10	< 1	0.35	40	0.52	865
W1 10+50S	203 205	30	< 0.2	1.66	28	120	< 0.5	< 2	0.18	< 0.5	23	91	55	5.12	< 10	< 1	0.25	50	0.51	780

CERTIFICATION:

Hart Buchler



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
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PACIFIC MARINER EXPLORATION LTD.

1000 - 675 W. HASTINGS ST.
 VANCOUVER, BC
 V6B 1N6

Page No. : 2-B
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 Certificate Date: 08-SEP-94
 Invoice No. : I9424338
 P.O. Number :
 Account : LVH

Project :
 Comments :

CERTIFICATE OF ANALYSIS

A9424338

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
K1 20+00S	203 205	1	0.03	23	1600	28	2	1	23	< 0.01	< 10	< 10	29	< 10	80
K2 0+00SW	203 205	1	0.02	15	490	48	< 2	1	16	< 0.01	< 10	< 10	28	< 10	62
K2 0+50SW	203 205	1	0.04	25	890	72	2	1	15	< 0.01	< 10	< 10	32	< 10	72
K2 1+00SW	203 205	< 1	0.05	17	580	156	< 2	1	17	< 0.01	< 10	< 10	16	< 10	82
K2 1+50SW	203 205	< 1	0.03	30	920	180	< 2	1	29	< 0.01	< 10	< 10	51	< 10	66
K2 2+00SW	203 205	1	0.03	17	920	18	< 2	1	22	< 0.01	< 10	< 10	24	< 10	56
K2 2+50SW	203 205	< 1	0.02	22	740	22	< 2	1	16	< 0.01	< 10	< 10	24	< 10	66
K2 3+00SW	203 205	1	0.02	22	1160	54	< 2	1	15	< 0.01	< 10	< 10	33	< 10	86
K2 3+50SW	203 205	2	0.02	22	820	22	< 2	1	17	< 0.01	< 10	< 10	31	< 10	94
K2 4+00SW	203 205	3	0.02	21	580	46	< 2	1	14	< 0.01	< 10	< 10	33	< 10	68
K2 4+50SW	203 205	1	0.03	7	370	24	< 2	< 1	14	< 0.01	< 10	< 10	14	< 10	16
K2 5+00SW	203 205	2	0.02	15	780	22	< 2	< 1	12	< 0.01	< 10	< 10	38	< 10	44
K2 5+50SW	203 205	2	0.03	25	1050	60	< 2	1	14	< 0.01	< 10	< 10	37	< 10	76
K2 6+00SW	203 205	2	0.02	22	1220	66	< 2	1	25	< 0.01	< 10	< 10	34	< 10	74
K2 6+50SW	203 205	2	0.01	23	1580	30	< 2	1	29	< 0.01	< 10	< 10	35	< 10	94
K2 7+00SW	203 205	1	0.01	28	3760	40	< 2	6	75	0.01	< 10	< 10	24	< 10	120
K2 7+50SW	203 205	4	0.01	17	1360	56	< 2	2	25	0.01	< 10	< 10	32	< 10	102
K2 8+00SW	203 205	12	0.01	12	1350	34	< 2	< 1	17	< 0.01	< 10	< 10	55	< 10	52
W1 00+00S	203 205	15	0.02	157	1010	70	< 2	7	47	< 0.01	< 10	< 10	42	10	326
W1 00+50S	203 205	11	0.03	143	1110	62	< 2	8	36	< 0.01	< 10	< 10	48	10	418
W1 01+00S	203 205	22	0.02	82	370	68	< 2	4	28	< 0.01	< 10	< 10	23	10	228
W1 01+50S	203 205	8	0.04	90	2440	20	< 2	5	51	< 0.01	< 10	< 10	29	20	208
W1 02+00S	203 205	< 1	0.04	47	740	28	< 2	4	26	< 0.01	< 10	< 10	25	10	136
W1 02+50S	203 205	1	< 0.01	63	640	18	< 2	3	16	< 0.01	< 10	< 10	11	10	196
W1 03+00S	203 205	1	0.03	54	630	18	4	4	18	< 0.01	< 10	< 10	16	< 10	80
W1 03+50S	203 205	7	0.03	65	840	44	< 2	6	34	< 0.01	< 10	< 10	31	20	432
W1 04+00S	203 205	1	0.04	55	910	26	< 2	4	25	< 0.01	< 10	< 10	28	10	142
W1 04+50S	203 205	< 1	0.02	49	860	32	< 2	6	26	< 0.01	< 10	< 10	21	10	118
W1 05+00S	203 205	< 1	0.02	55	810	50	< 2	4	18	< 0.01	< 10	< 10	16	10	114
W1 05+50S	203 205	2	0.02	57	1160	32	< 2	4	27	0.01	< 10	< 10	27	10	132
W1 06+00S	203 205	2	0.03	91	840	116	< 2	7	17	< 0.01	< 10	< 10	42	10	134
W1 06+50S	203 205	1	0.03	42	760	54	< 2	4	22	< 0.01	< 10	< 10	23	10	76
W1 07+00S	203 205	< 1	0.03	44	630	50	< 2	4	21	< 0.01	< 10	< 10	25	10	88
W1 07+50S	203 205	1	0.03	44	580	34	< 2	3	25	< 0.01	< 10	< 10	20	< 10	92
W1 08+00S	203 205	1	0.01	46	790	32	< 2	3	54	< 0.01	< 10	< 10	21	10	132
W1 08+50S	203 205	< 1	0.04	60	610	38	< 2	3	26	< 0.01	< 10	< 10	22	10	108
W1 09+00S	203 205	1	0.04	58	620	46	< 2	6	37	< 0.01	< 10	< 10	25	10	122
W1 09+50S	203 205	< 1	0.03	48	700	36	< 2	4	26	< 0.01	< 10	< 10	25	< 10	102
W1 10+00S	203 205	1	0.03	52	650	48	2	5	22	< 0.01	< 10	< 10	27	10	100
W1 10+50S	203 205	< 1	0.02	45	640	38	< 2	3	22	< 0.01	< 10	< 10	21	< 10	86

CERTIFICATION:

Hart Bickler



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
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 PHONE: 604-984-0221

Client: PACIFIC MARINER EXPLORATION LTD.

1000 - 675 W. HASTINGS ST.
 VANCOUVER, BC
 V6B 1N6

Project :
 Comments:

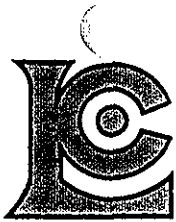
Page Number : 3-A
 Total Pages : 3
 Certificate Date: 08-SEP-94
 Invoice No. : I9424338
 P.O. Number :
 Account : LVH

CERTIFICATE OF ANALYSIS A9424338

SAMPLE	PREP CODE		Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
			FA+AA																		
W1 11+00S	203	205	20	< 0.2	1.41	26	80	< 0.5	< 2	0.21	< 0.5	22	54	51	4.63	< 10	< 1	0.17	60	0.52	645
W1 11+50S	203	205	60	< 0.2	1.33	26	60	< 0.5	< 2	0.18	< 0.5	23	49	59	4.65	< 10	< 1	0.14	40	0.52	685
W1 12+00S	203	205	20	< 0.2	1.76	14	80	< 0.5	< 2	1.61	< 0.5	20	60	46	4.62	< 10	< 1	0.23	40	0.62	725
W1 12+50S	203	205	10	0.2	1.88	20	100	< 0.5	< 2	0.11	< 0.5	20	70	55	4.82	< 10	< 1	0.17	40	0.53	755
W1 13+00S	203	205	25	< 0.2	1.58	24	80	< 0.5	< 2	0.21	< 0.5	23	84	54	4.72	< 10	< 1	0.20	40	0.59	810
W1 13+50S	203	205	< 5	< 0.2	2.02	16	80	< 0.5	< 2	0.18	< 0.5	26	58	46	4.64	< 10	< 1	0.17	30	0.68	455
W1 14+00S	203	205	40	< 0.2	1.82	26	80	< 0.5	< 2	0.43	< 0.5	23	75	55	5.13	< 10	< 1	0.18	40	0.62	1140
W1 14+50S	203	205	20	< 0.2	1.65	28	80	< 0.5	< 2	0.05	< 0.5	20	69	51	4.68	< 10	< 1	0.18	50	0.48	660
W1 15+00S	203	205	10	< 0.2	1.79	26	90	< 0.5	< 2	1.56	< 0.5	20	55	50	4.71	< 10	< 1	0.27	40	0.53	670
W1 15+50S	203	205	45	0.4	1.69	30	80	< 0.5	< 2	0.39	< 0.5	24	87	54	5.63	< 10	< 1	0.19	40	0.42	785
W1 16+00S	203	205	50	0.4	1.41	28	90	< 0.5	< 2	0.20	< 0.5	21	68	59	4.83	< 10	< 1	0.17	60	0.46	815
W1 16+50S	203	205	10	0.3	0.71	50	80	< 0.5	< 2	0.48	< 0.5	33	37	54	10.50	< 10	< 1	0.15	20	0.27	3340
W1 17+00S	203	205	< 5	< 0.2	2.31	18	90	< 0.5	< 2	0.06	< 0.5	21	64	39	4.77	< 10	< 1	0.20	40	0.79	590
W1 17+50S	203	205	30	< 0.2	2.16	18	80	< 0.5	< 2	0.01	< 0.5	20	59	48	5.04	< 10	< 1	0.16	40	0.74	445
W1 18+00S	203	205	< 5	< 0.2	1.90	30	80	< 0.5	< 2	0.02	< 0.5	24	51	57	4.95	< 10	< 1	0.20	60	0.58	555
W1 18+50S	203	205	25	< 0.2	1.96	38	90	< 0.5	< 2	0.03	< 0.5	21	91	46	4.80	< 10	< 1	0.23	50	0.56	605
W1 19+00S	203	205	245	< 0.2	2.48	26	130	< 0.5	< 2	0.02	< 0.5	32	72	104	5.52	< 10	< 1	0.31	50	0.58	900
W1 19+50S	203	205	250	0.2	1.46	136	80	0.5	< 2	0.03	< 0.5	29	47	48	4.49	< 10	< 1	0.26	40	0.28	800
W1 20+00S	203	205	< 5	< 0.2	2.67	26	100	0.5	< 2	0.04	< 0.5	21	73	68	4.66	< 10	< 1	0.32	60	0.87	535

CERTIFICATION:

Hart Buchler



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
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Client: PACIFIC MARINER EXPLORATION LTD.

1000 - 675 W. HASTINGS ST.
 VANCOUVER, BC
 V6B 1N6

Page No. : 3-B
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 P.O. Number :
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Project :
 Comments :

CERTIFICATE OF ANALYSIS

A9424338

SAMPLE	PREP		Mo	Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
	CODE		ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
W1 11+00S	203	205	< 1	0.01	44	800	44	< 2	3	20	< 0.01	< 10	< 10	17	< 10	82
W1 11+50S	203	205	< 1	0.01	46	710	34	< 2	3	17	< 0.01	< 10	< 10	15	< 10	84
W1 12+00S	203	205	1	0.02	44	700	28	< 2	3	53	< 0.01	< 10	< 10	20	10	96
W1 12+50S	203	205	< 1	0.01	51	450	32	< 2	4	15	< 0.01	< 10	< 10	20	10	84
W1 13+00S	203	205	< 1	0.02	48	720	40	< 2	3	20	< 0.01	< 10	< 10	18	< 10	84
W1 13+50S	203	205	< 1	0.02	54	530	34	< 2	2	18	< 0.01	< 10	< 10	18	< 10	86
W1 14+00S	203	205	< 1	0.01	47	950	44	< 2	4	32	< 0.01	< 10	< 10	20	< 10	84
W1 14+50S	203	205	< 1	0.01	43	450	42	< 2	3	11	< 0.01	< 10	< 10	19	< 10	80
W1 15+00S	203	205	< 1	0.02	44	600	36	< 2	4	50	< 0.01	< 10	< 10	22	< 10	84
W1 15+50S	203	205	1	0.02	42	700	102	< 2	4	37	< 0.01	< 10	< 10	19	10	84
W1 16+00S	203	205	1	0.02	44	710	96	< 2	4	27	< 0.01	< 10	< 10	16	10	84
W1 16+50S	203	205	1	0.01	56	1580	196	< 2	6	43	< 0.01	< 10	< 10	4	20	106
W1 17+00S	203	205	< 1	0.01	52	400	26	< 2	3	10	< 0.01	< 10	< 10	23	< 10	88
W1 17+50S	203	205	< 1	0.01	47	420	32	< 2	2	6	< 0.01	< 10	< 10	20	10	102
W1 18+00S	203	205	< 1	0.01	49	460	28	< 2	2	7	< 0.01	< 10	< 10	17	< 10	90
W1 18+50S	203	205	< 1	0.02	52	550	28	< 2	2	10	< 0.01	< 10	< 10	20	10	82
W1 19+00S	203	205	< 1	0.02	48	370	70	< 2	4	10	< 0.01	< 10	< 10	40	10	120
W1 19+50S	203	205	< 1	0.02	63	490	18	< 2	3	8	< 0.01	< 10	< 10	12	< 10	60
W1 20+00S	203	205	< 1	0.02	61	430	22	< 2	3	12	< 0.01	< 10	< 10	20	10	84

CERTIFICATION: Hart Buchler



Chemex Labs Ltd.

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PACIFIC MARINER EXPLORATION LTD.

1000 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N6

INVOICE NUMBER

I 9 4 2 4 3 3 9

BILLING INFORMATION

Date: 8-SEP-94
Project:
P.O. No.:
Account: LVH

Comments:

Billing: For analysis performed on
Certificate A9424339

Terms: Payment due on receipt of invoice
1.25% per month (15% per annum)
charged on overdue accounts

Please Remit Payments to:

CHEMEX LABS LTD.
212 Brooksbank Ave.,
North Vancouver, B.C.
Canada V7J 2C1

COPY

# OF SAMPLES	ANALYSED FOR CODE - DESCRIPTION	UNIT PRICE	SAMPLE PRICE	AMOUNT
23	207 - Assay pulv, screen -150, roll	4.00		
	226 - 0-5 lb crush and split ICP-32	2.05		
	398 - Au oz/T	6.25		
		9.50	21.80	501.40
Total Cost \$				501.40
(Reg# R100938885) GST \$				35.10
TOTAL PAYABLE (CDN) \$				536.50



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PACIFIC MARINER EXPLORATION LTD.

1000 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N6

A9424339

Comments: CC: A.G. TROUP

CERTIFICATE

A9424339

(LVH) - PACIFIC MARINER EXPLORATION LTD.

Project:
P.O. #:

Samples submitted to our lab in Vancouver, BC.
This report was printed on 8-SEP-94.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
207	23	Assay pulv, screen -150, roll
226	23	0-5 lb crush and split
229	23	ICP - AQ Digestion charge

* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
398	23	Au oz/T: 1/2 assay ton	FA-AAS	0.002	20.00
2118	23	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	200
2119	23	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	23	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2121	23	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	23	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	23	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	23	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	23	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2126	23	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	23	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	23	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	23	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	23	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	23	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	23	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	23	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	23	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	23	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	23	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	23	Na %: 32 element, soil & rock	ICP-AES	0.01	5.00
2138	23	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	23	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	23	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	23	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	23	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	23	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	23	Ti %: 32 element, soil & rock	ICP-AES	0.01	5.00
2145	23	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	23	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	23	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	23	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	23	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000



Chemex Labs Ltd.

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 PHONE: 604-984-0221

PACIFIC MARINER EXPLORATION LTD.

1000 - 675 W. HASTINGS ST.
 VANCOUVER, BC
 V6B 1N6

Page Number: 1-A
 Total Pages: 1
 Certificate Date: 08-SEP-94
 Invoice No.: 19424339
 P.O. Number:
 Account: LVH

Project:
 Comments: CC: A.G. TROUP

CERTIFICATE OF ANALYSIS

A9424339

SAMPLE	PREP CODE	Au oz/T	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
RA-01	207 226	< 0.002	< 0.2	0.09	< 2	60	< 0.5	< 2	0.01	0.5	15	215	16	7.84	< 10	< 1	0.01	< 10	0.01	1225
RA-02	207 226	< 0.002	< 0.2	1.13	< 2	10	< 0.5	< 2	0.49	< 0.5	10	209	386	3.33	< 10	< 1	0.01	< 10	0.55	1075
RA-03	207 226	< 0.002	< 0.2	0.19	< 2	130	< 0.5	< 2	>15.00	< 0.5	5	33	58	4.49	< 10	< 1	0.05	< 10	0.86	2270
RA-04	207 226	< 0.002	< 0.2	0.03	< 2	< 10	< 0.5	< 2	12.30	< 0.5	3	75	24	7.76	< 10	< 1	< 0.01	< 10	2.85	3330
RA-05	207 226	0.006	< 0.2	0.14	804	10	< 0.5	< 2	0.21	< 0.5	3	199	3	2.37	< 10	< 1	0.07	< 10	0.02	285
RA-06	207 226	0.006	< 0.2	0.01	38	< 10	< 0.5	< 2	0.16	< 0.5	1	219	3	0.77	< 10	< 1	< 0.01	< 10	0.03	65
RA-07	207 226	< 0.002	< 0.2	0.06	150	20	< 0.5	< 2	0.18	< 0.5	3	176	4	2.93	< 10	< 1	0.01	< 10	0.03	815
RA-08	207 226	< 0.002	< 0.2	0.27	30	240	< 0.5	< 2	0.20	< 0.5	1	258	10	0.99	< 10	< 1	0.12	< 10	0.09	150
RA-09	207 226	< 0.002	< 0.2	0.37	134	140	< 0.5	< 2	0.30	3.5	23	213	56	5.80	< 10	< 1	0.15	< 10	0.06	2270
RA-10	207 226	< 0.002	< 0.2	0.15	6	30	< 0.5	< 2	0.54	< 0.5	3	181	4	2.65	< 10	< 1	0.05	< 10	0.15	1145
RA-11	207 226	< 0.002	< 0.2	0.60	12	100	< 0.5	< 2	0.18	< 0.5	10	211	10	5.31	< 10	< 1	0.15	10	0.11	650
RA-12	207 226	< 0.002	0.2	0.17	< 2	20	< 0.5	< 2	>15.00	0.5	3	22	10	6.99	< 10	< 1	0.09	< 10	3.11	3170
RA-13	207 226	< 0.002	0.2	0.37	14	30	< 0.5	< 2	1.67	< 0.5	12	130	47	4.42	< 10	< 1	0.05	10	0.10	1130
RA-14	207 226	< 0.002	< 0.2	0.16	2	10	< 0.5	< 2	0.71	< 0.5	3	172	2	1.62	< 10	< 1	0.01	< 10	0.11	550
RA-15	207 226	< 0.002	< 0.2	0.53	< 2	30	< 0.5	< 2	11.75	1.0	6	23	70	10.65	< 10	< 1	0.11	< 10	1.08	2680
RA-16	207 226	< 0.002	< 0.2	0.11	2	10	< 0.5	< 2	0.42	< 0.5	5	212	6	4.85	< 10	< 1	0.01	< 10	0.08	825
RA-17	207 226	< 0.002	< 0.2	1.77	32	50	< 0.5	2	0.89	< 0.5	30	73	60	7.19	< 10	< 1	0.13	10	0.49	1205
RA-18	207 226	< 0.002	0.2	0.05	< 2	10	< 0.5	2	>15.00	< 0.5	< 1	31	3	1.78	10	< 1	0.01	< 10	1.31	1090
TOBY-1	207 226	< 0.002	< 0.2	0.42	< 2	30	< 0.5	< 2	1.59	< 0.5	3	210	8	1.38	< 10	< 1	0.01	< 10	0.33	480
TOBY-2	207 226	< 0.002	< 0.2	2.70	28	30	< 0.5	2	0.67	< 0.5	11	141	112	6.43	< 10	< 1	0.02	10	2.17	815
TOBY-3	207 226	< 0.002	0.4	3.30	58	40	< 0.5	< 2	0.60	< 0.5	52	146	71	13.40	< 10	< 1	0.02	< 10	1.74	1140
TOBY-4	207 226	< 0.002	< 0.2	0.24	4	10	< 0.5	< 2	1.02	< 0.5	3	232	2	1.31	< 10	< 1	< 0.01	< 10	0.26	680
TOBY-5	207 226	< 0.002	3.4	1.67	54	10	< 0.5	< 2	0.45	< 0.5	41	101	304	>15.00	< 10	< 1	0.04	< 10	0.47	750

CERTIFICATION:

Hart Bickler



Chemex Labs Ltd.

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PACIFIC MARINER EXPLORATION LTD.

1000 - 675 W. HASTINGS ST.
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Project :
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Page Number : 1-B
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 Certificate Date: 08-SEP-94
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CERTIFICATE OF ANALYSIS

A9424339

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
RA-01	207 226	1 < 0.01		20	190	134	< 2	2	1 < 0.01	< 10	< 10		3	10	162
RA-02	207 226	1 < 0.01		19	130	8	< 2	1	13 < 0.01	< 10	< 10		9	10	58
RA-03	207 226	< 1	0.01	7	400	6	8	10	457 < 0.01	< 10	< 10		7	20	90
RA-04	207 226	< 1	0.01	5	80	8	6	1	255 < 0.01	< 10	< 10		6	30	26
RA-05	207 226	1 < 0.01		10	70	10	< 2	1	7 < 0.01	< 10	< 10		1	< 10	14
RA-06	207 226	< 1 < 0.01		4	10	72	< 2	< 1	3 < 0.01	< 10	< 10		< 1	< 10	2
RA-07	207 226	< 1 < 0.01		11	870	46	< 2	2	10 < 0.01	< 10	< 10		1	< 10	22
RA-08	207 226	< 1 < 0.01		7	80	28	2	< 1	20 < 0.01	< 10	< 10		1	< 10	< 2
RA-09	207 226	3	0.01	66	1110	62	< 2	5	35 < 0.01	< 10	< 10		16	20	544
RA-10	207 226	1	0.02	12	300	8	< 2	1	14 < 0.01	< 10	< 10		2	< 10	44
RA-11	207 226	1	0.04	29	800	2	< 2	4	20 < 0.01	< 10	< 10		8	10	76
RA-12	207 226	< 1	0.01	9	120	6	8	3	252 < 0.01	< 10	< 10		9	30	56
RA-13	207 226	2	0.05	12	560	56	< 2	7	21 < 0.01	< 10	< 10		8	10	48
RA-14	207 226	< 1	0.03	7	120	12	< 2	1	14 < 0.01	< 10	< 10		2	< 10	16
RA-15	207 226	< 1	0.06	24	310	16	12	4	327 < 0.01	< 10	< 10		10	30	106
RA-16	207 226	2 < 0.01		15	150	< 2	< 2	4	14 < 0.01	< 10	< 10		1	10	14
RA-17	207 226	1	0.06	13	1220	2	< 2	12	30 < 0.01	< 10	< 10		99	10	68
RA-18	207 226	< 1	0.01	< 1	10	14	2	1	841 < 0.01	< 10	< 10		8	20	14
TOBY-1	207 226	< 1	0.01	13	570	34	< 2	2	70 < 0.01	< 10	< 10		15	< 10	40
TOBY-2	207 226	2	0.01	50	260	12	< 2	6	25 < 0.01	< 10	< 10		113	10	94
TOBY-3	207 226	9	0.01	42	2920	34	< 2	6	46 < 0.01	< 10	< 10		350	30	138
TOBY-4	207 226	< 1 < 0.01		15	80	< 2	< 2	1	21 < 0.01	< 10	< 10		15	< 10	6
TOBY-5	207 226	13 < 0.01		100	1630	94	6	1	31 < 0.01	< 10	< 10		225	40	244

CERTIFICATION:

Hart Bickler



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HASTINGS MANAGEMENT CORP.

1000 - 675 W. HASTINGS
VANCOUVER, BC
V6B 1N6

INVOICE NUMBER

I 9 4 2 5 2 3 1

BILLING INFORMATION

Date: 30-SEP-94
Project: P. MARINER
P.O. No.:
Account: JCL

Comments:

Billing: For analysis performed on
Certificate A9425231

Terms: Payment due on receipt of invoice
1.25% per month (15% per annum)
charged on overdue accounts

Please Remit Payments to:

CHEMEX LABS LTD.
212 Brooksbank Ave.,
North Vancouver, B.C.
Canada V7J 2C1

COPY

# OF SAMPLES	ANALYSED FOR CODE - DESCRIPTION	UNIT PRICE	SAMPLE PRICE	AMOUNT
10	235 - Pan con ring to approx 150 mesh	5.30		
	448 - Au FA mg	11.00		
	866 - fusion wt. gm	0.00	16.30	163.00
				Total Cost \$ 163.00
				(Reg# R100938885) GST \$ 11.41
				TOTAL PAYABLE (CDN) \$ 174.41



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HASTINGS MANAGEMENT CORP.

1000 - 675 W. HASTINGS
VANCOUVER, BC
V6B 1N6

A9425231

Comments: CC: A. TROUP

CERTIFICATE

A9425231

(JCL) - HASTINGS MANAGEMENT CORP.

Project: P. MARINER
P.O. #:

Samples submitted to our lab in Vancouver, BC.
This report was printed on 30-SEP-94.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
235	10	Pan con ring to approx 150 mesh

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
448	10	Au mg	FA-GRAVIMETRIC	0.001	50.000
866	10	Fusion weight in grams	BALANCE	0.01	30.00

ARIS SUMMARY SHEET

Regional Geologist, Prince George

Off Confidential: 95.10.17

ASSESSMENT REPORT 23590

MINING DIVISION: Cariboo

PROPERTY: Antler Creek

LOCATION: LAT 53 00 00 LONG 121 25 00

UTM 10 5873225 606258

NTS 093H03W 093A14W

CAMP: 038 Cariboo - Barkerville Camp

CLAIM(S): Wolf,Keynote

OPERATOR(S): Pacific Mariner Ex.

AUTHOR(S): Troup, A.G.

REPORT YEAR: 1994, 57 Pages

COMMODITIES

SEARCHED FOR: Gold

KEYWORDS: Barkerville Terrane, Metasediments, Veins, Quartz, Pyrite, Arsenopyrite
Pyrrhotite, Siderite, Galena, Sphalerite, Scheelite, Gold

WORK

DONE: Geochemical, Geophysical

EMGR 1.9 km; VLF

HMIN 12 sample(s) ;ME

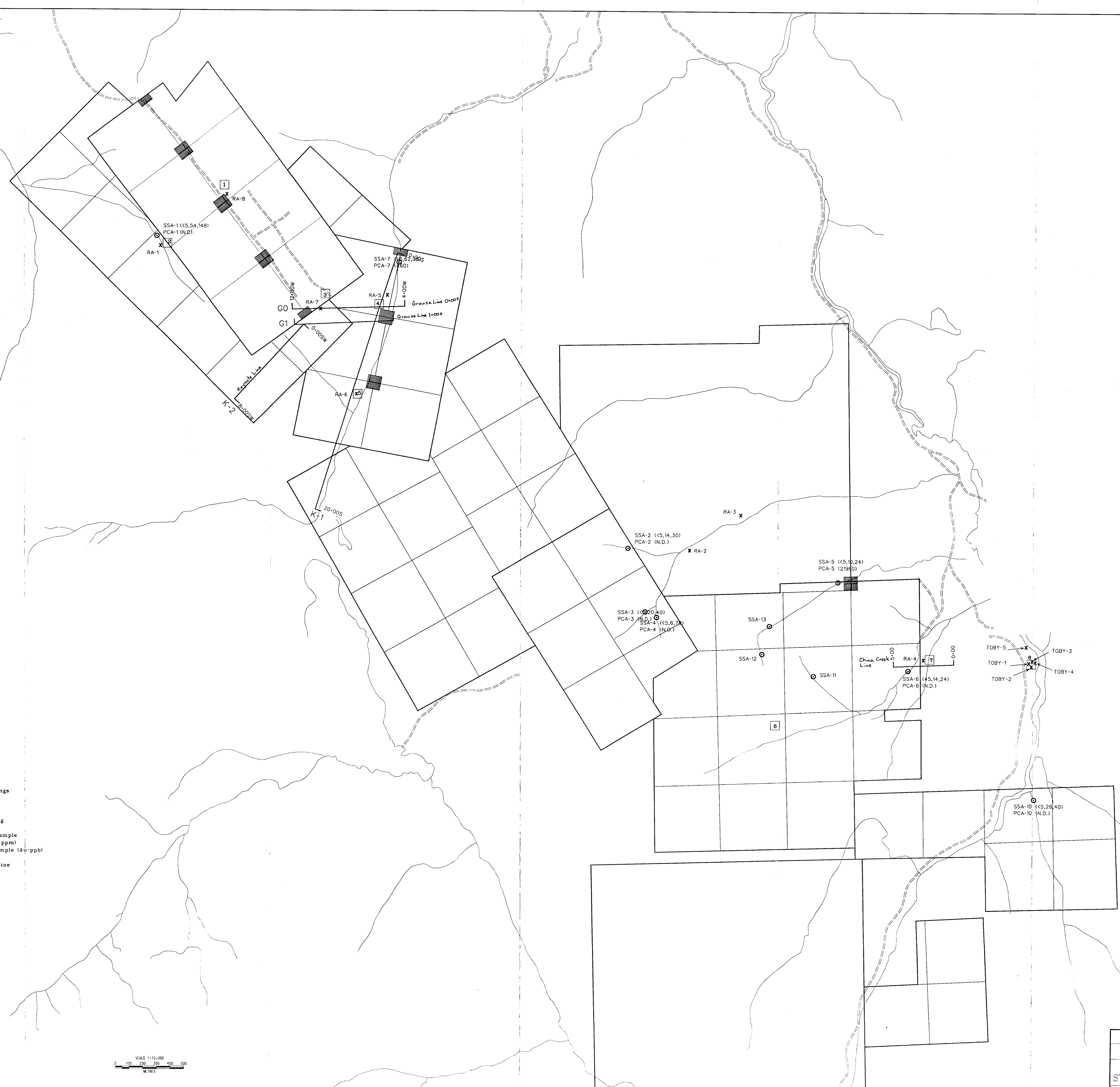
Map(s) - 2; Scale(s) - 1:10 000

MAGG 2.7 km

ROCK 15 sample(s) ;ME

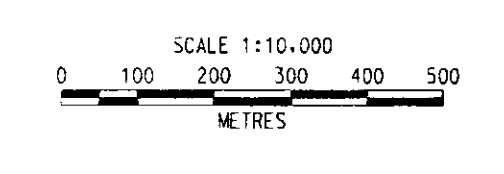
SOIL 97 sample(s) ;ME

MINFILE: 093H 048, 093H 052, 093H 053



LEGEND

- 1 Warspit adit
- 2 Tipperary vein
- 3 Independence showings
- 4 Hard Cash adit
- 5 Lord Dufferin adits
- 6 Spitfire showing
- 7 China Creek showing
- 8 Toby showing
- SSA ○ Stream sediment sample (Au-ppb, As-ppm, Pb-ppm)
- PCA ○ Pan concentrate sample (Au-ppb)
- RA x Rock chip sample
- Soil or geophysical line
- ▣ Located claim post
- Showing
- Road



AR 23 590

PACIFIC MARINER EXPLORATIONS
 ANTLER PROPERTY ①
 GOLD RESULTS
 STREAM & PAN CONCENTRATES
 BY A.L.G. & S.
 DATE: SEPTEMBER, 1994



- LEGEND**
- 9 Gisco showing
 - 10 Zone showing
 - 11 Pittman showing
 - SSA ○ Stream sediment sample (Au-ppb, As-ppm, Pb-ppm)
 - PCA ○ Pan concentrate sample (Au-ppb)
 - RA x Rock chip sample
 - Soil or geophysical line
 - 11 Showing
 - Road

SCALE 1:10,000
 0 100 200 300 400 500
 METRES

**GEOLOGICAL BRANCH
 ASSESSMENT REPORT**

23,590

PACIFIC MARINER EXPLORATIONS
 ANTLER PROPERTY CARIBOO MINING DIVISION, BC (2)
 GOLD RESULTS
 STREAM & PAN CONCENTRATES
 BY: A.T./d.m.
 DATE: SEPTEMBER, 1994
 FIGURE: 5b