

86-277-14952

05/87

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

14,932

HILLSIDE ENERGY CORPORATION/CLAYMORE RESOURCES LTD./
ABERFORD RESOURCES LTD. JOINT VENTURE

Report on the
Geochemistry and Mineral Occurrences
on the
EVA-AVE Claim Group

Eldorado Mountain Area, Lillooet M.D., B.C.

Claims: Group 1 Ave 1-6
 2 Eva 2-6, 11
 3 Eva 10, 12-16
 4 Eva 15, 17-19, 26
 5 Eva 20, 21, 23, 25

Location: NTS Sheets 92J/15W, 920/2W
 51° ~~00'~~ N Lat., 122° ~~00'~~, W Long.
 ~~01'~~ ~~50.5'~~

Owner: Aberford Resources Ltd.,
 Hillside Energy Corporation

Operator: Hillside Energy Corporation
 Claymore Resources Ltd.

Authors: Stuart A.S. Croft, P.Eng.,

Date: March 3, 1986

FILMED

NEVIN | SADLIER-BROWN | GOODBRAND | LTD

Suite 401 - 134 Abbott St., Vancouver, B.C. Canada V6B 2K4 (604) 683-8271

**HILLSIDE ENERGY CORPORATION/CLAYMORE RESOURCES LTD./
ABERFORD RESOURCES LTD.****JOINT VENTURE**

**Report on the
Geochemistry and Mineral Occurrences
on the
EVA-AVE Claim Group**

Eldorado Mountain Area, Lillooet M.D., B.C.

Claims:	Ave 1	3203(6)	Eva 10	1466(7)
	Ave 2	3204(6)	Eva 12	1468(7)
	Ave 3	3179(5)	Eva 13	1469(7)
	Ave 4	3180(5)	Eva 14	1470(7)
	Ave 5	3276(7)	Eva 16	1472(7)
	Ave 6	3277(7)	Eva 15	1471(7)
	Eva 2	1458(7)	Eva 17	1473(7)
	Eva 3	1459(7)	Eva 18	1474(7)
	Eva 4	1460(7)	Eva 19	1475(7)
	Eva 5	1461(7)	Eva 26	2908(6)
	Eva 6	1462(7)	Eva 20	1476(7)
	Eva 11	1467(7)	Eva 21	1477(7)
			Eva 23	1479(7)
			Eva 25	1481(7)

Location: NTS Sheets 92J/15W, 920/2W

Latitude $51^{\circ} 40' N$
 Longitude $122^{\circ} 51' W$
 $50.5'$

**Owner: Aberford Resources Ltd.,
Hillside Energy Corporation****Operator: Hillside Energy Corporation
Claymore Resources Ltd.****Authors: Stuart A.S. Croft, P.Eng.,
James M. Britton, T.L. Sadlier-Brown
NEVIN SADLIER-BROWN GOODBRAND LTD.****Date: February 17, 1986**

GEOLOGISTS AND ENGINEERS

SPECIALISTS IN MINERAL AND GEOTHERMAL RESOURCE EXPLORATION

TABLE OF CONTENTS

	Page
SUMMARY	
1. INTRODUCTION	1
1.1 Terms of Reference	
1.2 Property Description	
1.3 Location and Access	
1.4 Physiographic Features	
1.5 History and Previous Work	
1.6 Scope of Work	
2. GEOLOGY	8
2.1 General Setting	
2.2 Property Geology	
2.3 Economic Geology of Selected Project Areas	
2.3.1 Bruce Creek Area	
2.3.2 Taylor Creek Area	
2.3.3 Tyaughton Creek Grid	
3. GEOCHEMISTRY	12
3.1 Sampling and Analytical Method	
3.2 Bruce Creek	
3.3 Taylor Creek	
3.4 Freiberg Creek	
3.5 Tyaughton Creek	
4. CONCLUSION	18
4.1 Conclusions	
4.2 Recommendations	
REFERENCES	20

TABLE OF CONTENTS (cont'd)

	Page
FIGURES	
Figure 1 - Location Map	3
Figure 2 - Claim Map	4
Figure 3 - Taylor Creek - Reconnaissance Geology	11
Figure 4 - Bruce Creek Grid Area SRL-1 - Geochemical Plan - Au	14
Figure 5 - Bruce Creek Area Geochemical Plan - Gold	In Pocket
Figure 6 - Taylor Creek Area Geochemical Plan - Gold, Antimony, Arsenic	In Pocket
Figure 7 - Freiberg Creek Area Geochemical Plan - Gold	In Pocket
Figure 8 - Tyaughton Creek Grid Geochemical Plan - Gold	In Pocket
Figure 9 - Tyaughton Creek Grid Geochemical Plan - Arsenic	In Pocket
Figure 10- Comparative Soil Geochemistry Profile Assay vs Distance	17
 APPENDICES	
	Following Text
Appendix A - Schedule of Costs	
Appendix B - Certificate and Statement of Qualifications	
Appendix C - Analytical Procedures and Certificates	

1.0 INTRODUCTION

1.1 Terms of Reference

This report is based on information obtained during the course of field work conducted on the EVA/AVE Claim Group, Lillooet M.D., B.C. from June to November, 1985. The work was conducted by Nevin Sadlier-Brown Goodbrand Ltd. personnel on behalf of Hillside Energy Corporation and Claymore Resources Ltd. under the terms of a joint venture agreement between them and claim owners Abermin Corporation (formerly Aberford Resources Ltd.).

1.2 Property Description

The property consists of 26 contiguous claims (451 units) all staked under the Modified Grid System. For the purposes of allocation of assessment credits, the claims have been partitioned into five contiguous groupings as described in Table 1.

The Eva claims are recorded in the name of Aberford Resources Ltd. and are held under terms of a joint venture agreement by Hillside/Claymore. The Ave claims were staked by Hillside personnel in June and July, 1985 are recorded in the name of Hillside Energy Corporation and are also subject to the terms of the joint venture agreement.

1.3 Location and Access

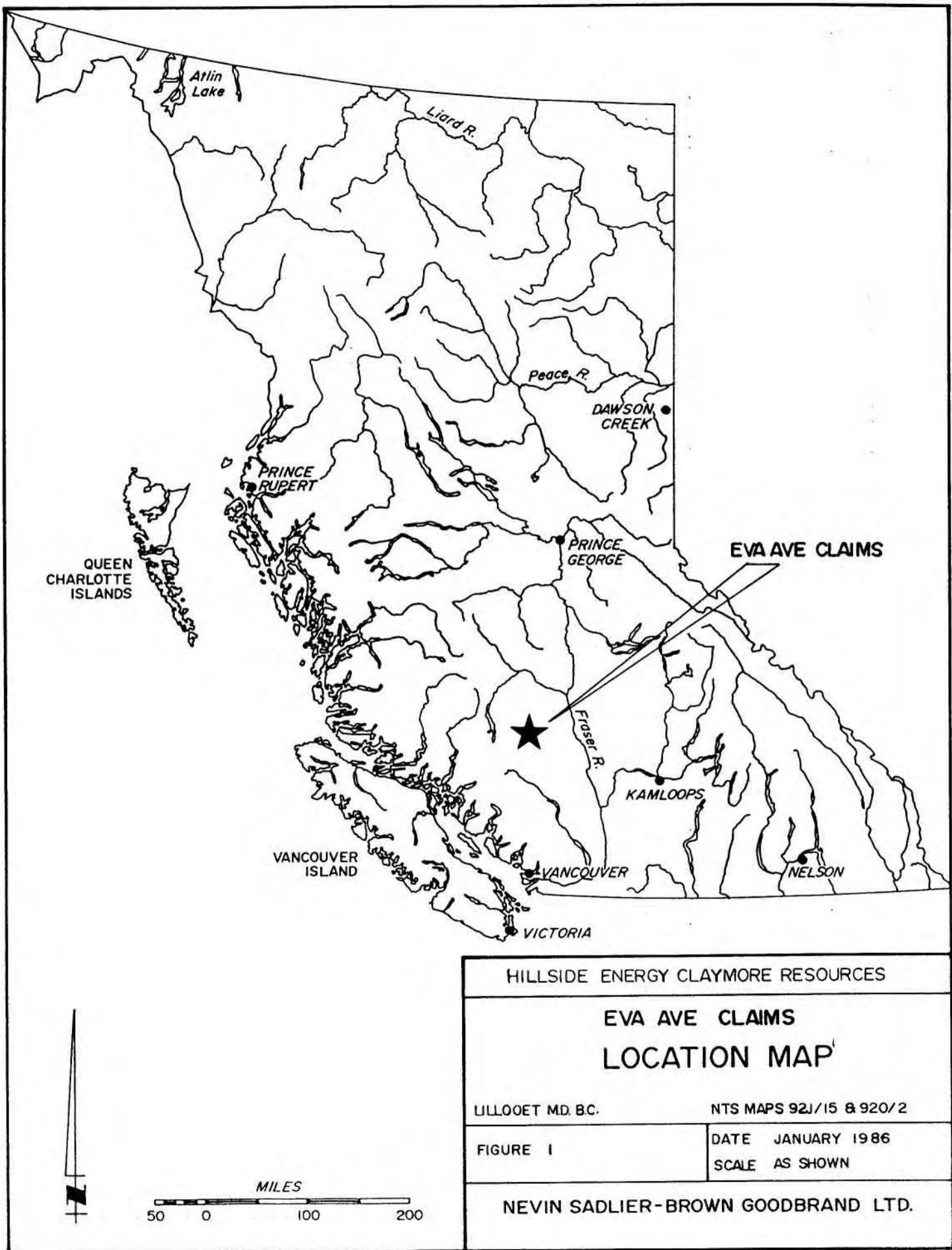
The claims cover approximately 10 000 ha in a large area 10 to 20 km north of Gold Bridge, B.C. The geographic coordinates of the approximate central point in the claims are 51° 00'N and 122° 51'W (NTS 92J/15 and 920/2).

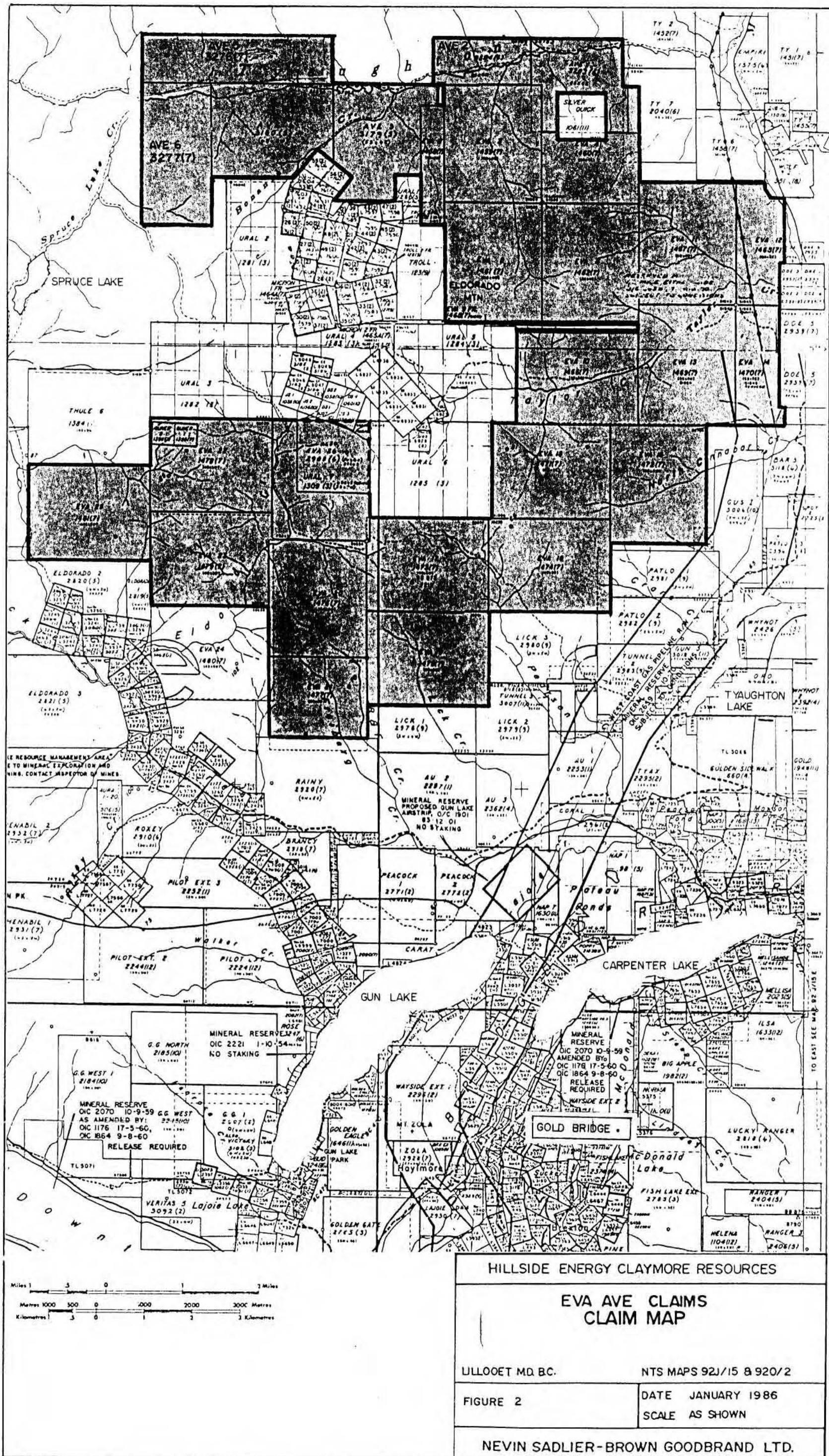
Limited vehicle access to the claim block is afforded by four roads. Each connects with the main Tyaughton Creek road, which joins with the Lillooet-Gold Bridge highway 10 km northeast of Gold Bridge. The southeastern corner of the property is accessible by a road up Pearson Creek; the eastern and central portion by a road up Taylor Creek. The northern area of the claims is traversed by the western extension of the Silverquick Mines road and the Gun Creek road provides access to within 1 km of the southwest portion of the claims. Other areas are accessible only by helicopter or on foot or horseback.

- 2 -

TABLE 1

<u>Claim Name</u>	<u>Units</u>	<u>Record No.</u>	<u>Mining Division</u>	<u>Expiry Date</u>
<u>Group 1</u>				
Ave 1	16	3203	Lillooet	June 4, 1986
Ave 2	8	3204	"	June 4, 1986
Ave 3	20	3179	"	May 23, 1986
Ave 4	20	3180	"	May 23, 1986
Ave 5	16	3276	"	July 12, 1986
Ave 6	18	3277	"	July 12, 1986
<u>Group 2</u>				
Eva 2	5	1458	"	July 16, 1987
Eva 3	20	1459	"	July 16, 1987
Eva 4	12	1460	"	July 16, 1986
Eva 5	20	1461	"	July 16, 1987
Eva 6	20	1462	"	July 16, 1986
Eva 11	20	1467	"	July 16, 1986
<u>Group 3</u>				
Eva 10	20	1466	"	July 16, 1987
Eva 12	10	1468	"	July 16, 1986
Eva 13	20	1469	"	July 16, 1987
Eva 14	10	1470	"	July 16, 1986
Eva 16	20	1472	"	July 16, 1986
<u>Group 4</u>				
Eva 15	20	1471	"	July 16, 1987
Eva 17	20	1473	"	July 16, 1986
Eva 18	20	1474	"	July 16, 1986
Eva 19	20	1475	"	July 16, 1986
Eva 26	20	2908	"	June 13, 1987
<u>Group 5</u>				
Eva 20	20	1476	"	July 16, 1986
Eva 21	16	1477	"	July 16, 1986
Eva 23	20	1479	"	July 16, 1986
Eva 25	20	1481	"	July 16, 1986





1.4 Physiographic Features

The property is centered about Eldorado Mountain, a height of land bordered to the north and east by Tyaughton Creek, on the south by Gun Creek, and on the west by Bonanza and Spruce Lake Creeks. The terrain is typically steep although peaks composed of relatively incompetent sedimentary rocks are considerably less rugged than those of the plutonic Coast Mountains to the immediate southwest. Elevations range from 1000 m in the main river valleys to over 2500 m at the peak of Eldorado Mountain.

Situated in the Chilcotin Range near the western limit of the interior Fraser Plateau, the region experiences a modified coastal climate. Though precipitation is light, a 1 to 2 m snowpack persisting from late October through early May should be anticipated because of a long, cool winter.

Vegetation is characteristic of the dryer, eastern portion of the Coast Mountains. Below the 1500 m elevation, coniferous forest consisting primarily of fir, balsam, spruce and pine dominates. Undergrowth is minimal particularly on slopes with a southerly aspect where open grasslands are common. At higher elevations vegetation consists of sub-alpine and alpine varieties and is locally absent altogether.

Much of the region is covered by a distinctive buff to grey tephra layer originating from Recent volcanic eruptions at Meager Mountain, 50 km to the southwest. The ash generally lies beneath 5 to 10 cm of A-horizon soil and varies in thickness from a few centimetres to over 1.5 m. The volcanic ash layer acts as a geochemical mask by inhibiting migration of trace elements to surface. This necessitates collection of soil samples from below the ash horizon.

1.5 History and Previous Work

The Bridge River area has been one of the most dominant and prosperous mining camps in British Columbia since the early 1900s when gold was discovered at the Bralorne and Pioneer Mines. Historical upswings in the price of gold, in the late 1930s and early 1980s have created surges in exploration and development in the Bridge River area. Recent development of ore reserves at the Bralorne Mine by Mascot Gold Mines, and at the Congress Mine by Veronex/Levon has

intensified and stimulated exploration in the Bridge River area to all-time records.

It was probably during the early development stages of the Bralorne Mine that most of the known gold occurrences in the immediate vicinity of the Eva claims were discovered and developed. There is, however, no major reported production from any of these prospects.

The best developed and documented mineral occurrences on the Eva claims are mercury prospects. Gold, tungsten and antimony prospects have, however, been explored within and near the claim boundaries. Among these are:

- The Cinnabar Ridge (Lilomer) and Charlotte prospects located within the Eva 18 claim;
- The Silverquick deposit (totally surrounded by the Ave 1 and Eva 4 claims);
- The Mud Creek (Empire Mercury) deposit approximately 2 km to the east of Ave 1 claim;
- The Tungsten Queen Mine immediately north of Eva 12 claim;
- The Tungsten King prospects 2 km northeast of the property;
- The Paul Mercury prospect (Eva 14 claim);
- The Northern Lights Gold prospect (1 km west of Eva 15);
- The Lucky Strike gold prospect (1 km west of Eva 15);
- The Lucky Jem gold occurrence (1.5 km north of Eva 26);
- The Robson gold prospect (1 km south of Ave 3).

Mercury exploration was most intense during the 1960s, but ended abruptly in 1970 in response to a sharp price decline.

The most recent exploration in the area has focussed primarily on the gold deposits. The Aberford program (1982) discovered occurrences of gold in veins at the headwaters of Taylor Creek and in the Tyaughton Creek valley in the northern portion of the claims. A later program by Placer Development (1983/84) was oriented towards development of large low-grade reserves, and consequently, these vein occurrences were not detailed.

Two exploration companies, Golden Rule and Silver Standard (Teck) have carried out work on the gold prospects east of Eldorado Mountain principally in the general vicinity of the Robson prospect.

1.6 Scope of Work

Fieldwork on the Eva-Ave claims during 1985 consisted of geochemical soil and rock sampling, and reconnaissance geological mapping. The survey focussed on four primary target areas:

- Bruce Creek Area
- Taylor Creek Headwater Area
- Freiberg Creek
- Tyaughton Creek Valley

Summarized cost allotments for each group are indicated in Table 2.

TABLE 2

GROUP	1	2	3	4	5
Exploration Costs applicable as Assessment Work	20654.48	17499.70	9934.55	11263.28	12309.66

Bruce Creek Grid

Sampling in the vicinity of Bruce Creek during 1985 was designed to investigate coincident gold and arsenic anomalies reported by Placer Development. A two week road-based exploration program filled in detail and extended a 16 line-km chain and compass sample grid, previously installed by Placer. Work included collection of 675 soil and rock samples, and reconnaissance geological mapping and prospecting of structural features which could control gold mineralization. An additional 5.9 line-km of reconnaissance soil sampling was conducted in the Bonanza and PJ Creek Basins. The work was performed primarily on the Eva 2, 3 and 5 claims (Group 2) with some reconnaissance conducted on Ave 3 (Group 1).

Taylor Creek Area

Concurrent with work conducted in the Bruce Creek area, five soil reconnaissance lines totalling 4.9 km were sampled

in the upper Taylor Creek region. Geological mapping and rock sampling were also performed. Exploration centered on the Eva 10 and 13 claims (Group 3) with further reconnaissance on Eva 15 (Group 4).

Freiberg Creek Area

Late season fieldwork conducted from a Gold Bridge base resulted in the sampling of three soil reconnaissance lines paralleling Freiberg Creek. The program was designed to test for mineralization shedding from slopes above the creek in the general vicinity of several old unnamed gold prospects depicted on early maps. A total of 175 samples at 25 m intervals from 4.3 km of chain and compass survey line were collected on the Eva 21 claim (Group 5).

Tyaughton Creek Area

Work on the north bank of Tyaughton Creek between Bonanza and Spruce Lake Creeks during 1985 was conducted in two phases. Initially, two parallel soil reconnaissance lines designed to investigate anomalous soil geochemistry reported earlier by Pan Ocean were sampled. On the strength of results obtained by analyses of the 32 samples collected on the 0.8 km of survey line, a detailed sampling grid was installed in late October. Eleven east-west lines spaced 50 m apart, averaging 650 m in length were surveyed by chain and compass with stations being marked by flagging and, where necessary, with lath pickets. A total of 378 soil samples were collected at 20 m spacings over 7.7 line-km of grid. As the area is not accessible by road, the one week program was helicopter-supported. Both phases of work were conducted on the Ave 5 claim (Group 1).

2. GEOLOGY

2.1 General Setting

The following is a geological description extracted from a recent report on exploration of the Eva group by Placer Development Ltd. (Kimura et al., 1985).

"The Aberford properties (Eva-Ave group) are within a sequence of Mesozoic sedimentary and volcanic rocks that are structurally disrupted by faulting and folding. They are, in turn, intruded by younger granitic to quartz dioritic stocks and felsic to basaltic dykes. In and around the Eva property, a

number of irregularly-shaped to dyke-like serpentinized ultramafic bodies are emplaced in the older Mesozoic rock units. Five ages of rocks ranging from the Triassic to the Upper Cretaceous are exposed and identified on the Aberford properties. The oldest Triassic Bridge River Group comprises a sequence of greywacke, massive and pillow basalts, thin-bedded chert and minor interbedded limestone and siltstone. The serpentinized ultramafic bodies invariably intrude and/or border these older rocks. The Bridge River Group rocks are overlain or in fault contact with successively younger Upper Triassic Hurley Formation of interbedded greywacke, sandstone, siltstone, limestone and a distinct boulder conglomerate unit with carbonate matrix; Upper Jurassic Relay Mountain Group of argillite, greywacke, shale, silstone and minor limestone, all of which are commonly fossiliferous; Lower Cretaceous Taylor Creek Group comprised of chert pebble and boulder conglomerate with interbedded greywacke and sandstone; and Upper Cretaceous Kingsvale Group comprised of generally soft and poorly lithified arkose, shale and pebble conglomerate. Medium to coarse equigranular granite to quartz diorite stocks and plugs intrude most of the above rock formations. Dykes, often occurring as swarms and possibly related to the stocks, intrude the sedimentary and volcanic rocks."

2.2 Property Geology

The area of the known gold prospects at the headwaters of Bonanza and Taylor Creeks is postulated to lie within a volcanically controlled subsidence structure which has been superimposed on both regional structure and lithology and subsequently modified by later events - mainly of a structural nature. Among these are major northwest striking features such as the Taseko and Cadwallader faults and others which parallel or sub-parallel them. In addition, M. Rusmore (pers. comm.) has interpreted a major northeast trending fault zone transecting several of the gold occurrences and possibly the Silverquick mercury prospect as well.

The faults which both define and dissect the subsidence structure (which may in fact be a deeply eroded caldera) could act as loci for deposits of epithermal mineralization or possibly of skarn-type mineralization related to local subvolcanic intrusives. Dilating faults and fracture systems

- 10 -

which were active during and soon after episodes of volcanic activity are of particular interest because of their potential to host mineral deposits. Thus an arcuate fracture system which is interpreted to ring the edifice of Eldorado Mountain is a primary exploration target.

2.3 Economic Geology of Selected Project Areas

2.3.1 Bruce Creek Area

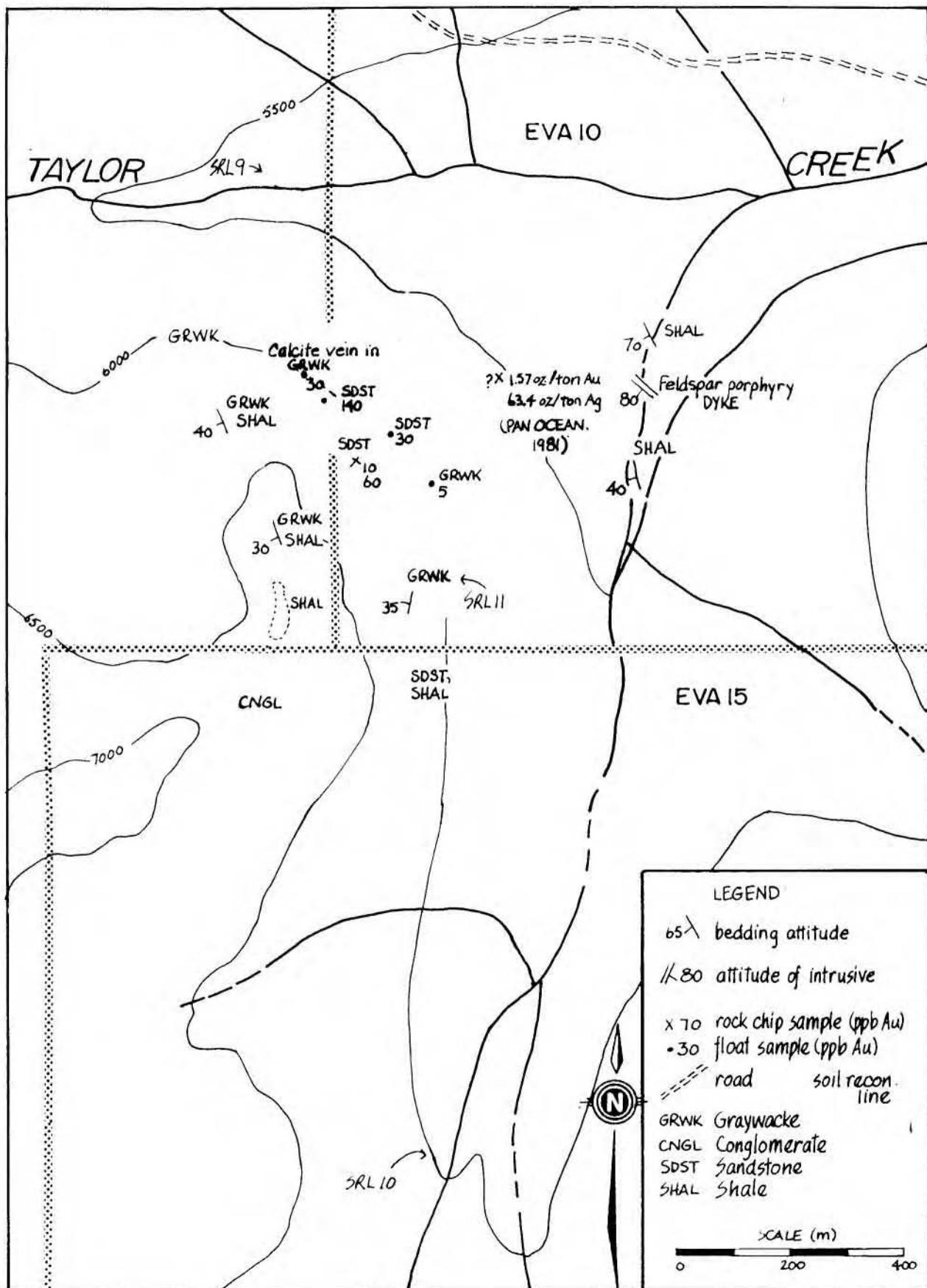
Bruce Creek is entrenched along a fault between the Taylor Creek Group conglomerate (to the east) and the Hurley Group argillite on the west. An intrusive quartz diorite stock which underlies the headwaters of Bruce and Moose Creeks contains numerous gossanous shear zones, although rock samples collected from these features assayed at no greater than 260 ppb gold.

2.3.2 Taylor Creek Area

The upper reaches of Taylor Creek are underlain by metasediments of the lower Cretaceous Taylor Creek Group. Of particular interest is a small arsenopyrite-stibnite vein which assayed at 1.57 oz/ton Au and 63.4 oz/ton Ag located on Eva 10 by Pan Ocean in 1981. Although the vein was not relocated during the 1985 survey, several samples of float material collected in the vicinity of the showing had elevated assays (up to 140 ppb) in gold (Figure 3). In addition, alteration zones similar to that which encloses the Pan Ocean discovery have been observed along a ridge at the head of Taylor Creek. These were found to contain disseminated sulphides - chiefly pyrite, but no gold values in massive mineralization. Their presence is nevertheless a good indication of hydrothermal activity in the area.

2.3.3 Tyaughton Creek Grid

The Tyaughton Creek zone is underlain by a heterogeneous sequence of calcareous sandstones and pebble conglomerate of the Hurley Formation exhibiting varied sedimentary and metamorphic textures. Steeply dipping monzonite-diorite dykes have intruded and metamorphosed the sequence along a north-northwesterly trend. A series of strongly pyritized shear zones which roughly parallel the intrusives is exposed for several hundred metres along the steep north bank of Tyaughton Creek. The resulting skarn contains ubiquitous pyrite and pyrrhotite, and is commonly crosscut by vuggy calcite veins up to a few centimetres width.



TAYLOR CREEK
RECONNAISSANCE GEOLOGY

Neither pyrrhotite bearing sandstone nor calcite veins contain gold in excess of 5 to 10 ppb. However, significant gold grades have been encountered with associated stibnite (and possibly, arsenopyrite) mineralization. Quartz veins running 7960 ppb and 1650 ppb Au have been identified in an area immediately southeast of the grid. Another quartz stockwork vein 30 to 50 cm thick containing extensive stibnite assayed at 4.78 g/tonne (0.139 oz/ton) gold, 8812 ppm antimony and 7000 ppm arsenic. The mineralized zone cuts the footwall of an intrusive situated at grid coordinates 0+58 m N by 0+78 m E and was traced for 3 m before it disappeared beneath talus. This showing corresponds well with strong soil gold and arsenic anomalies in the area. A second quartz-stibnite vein was located at 0+80 m N by 0+80 m W and assayed at 2.84 g/tonne gold, 4167 ppm antimony and 2400 ppm arsenic. A number of veinlets 1 to 3 cm in width exhibit erratic attitudes. The vein system appears to be an offshoot of a major shear although the controls on mineralization are not immediately apparent. Again, the gold values correspond to an area of elevated soil geochemical values.

3.0 GEOCHEMISTRY

3.1 Sampling and Analytical Method

Soil samples were collected by shovel or mattock in kraft paper bags from the B horizon and, where necessary, from beneath the volcanic ash layer that mantles the area. All samples were analyzed for gold by atomic absorption following acid digestion. Selected follow-up analysis for arsenic and antimony and check analysis for gold by fire assay were performed by the methods described in Appendix C. All analyses were performed by Min-En Laboratories Ltd. of North Vancouver, B.C.

3.2 Bruce Creek

Soil geochemistry generally confirmed the anomalous gold values detected in earlier studies by Placer Development but failed to extend or fill in the anomalous areas. Placer's spotty gold anomalies identified by collection of samples at 40 m x 100 m spacings were reproduced at 25 m x 50 m spacings without enlarging any of the anomalies previously found. This may be attributed to the possibility that the anomalous values are produced by phenomena other than a nearby bedrock source for the gold. The inferred depth of overburden in the general area tends to support this hypothesis.

The three main targets on the Bruce Creek grid (Figure 4 & 5) were:

- (a) a 1 km long north-northwest striking anomaly running from 15+00N, 2+00W to 24+00N, 5+00W;
- (b) a northeast trending zone centered on baseline (BL) 0+00, 10+00N; and
- (c) an irregular area of elevated gold values in the vicinity of BL 0+00, 3+00N that is underlain by flat, locally swampy ground.

The 1 km linear anomaly (a) was reproduced over only part of this distance, and even then sporadically, from 15+00N to 17+50N. Part of the Placer anomaly is situated on very swampy ground. Geochemical interpretations in the area could be adversely affected by samples collected from either organic-(ie. non-mineral) or alluvial soils from within the boggy ground.

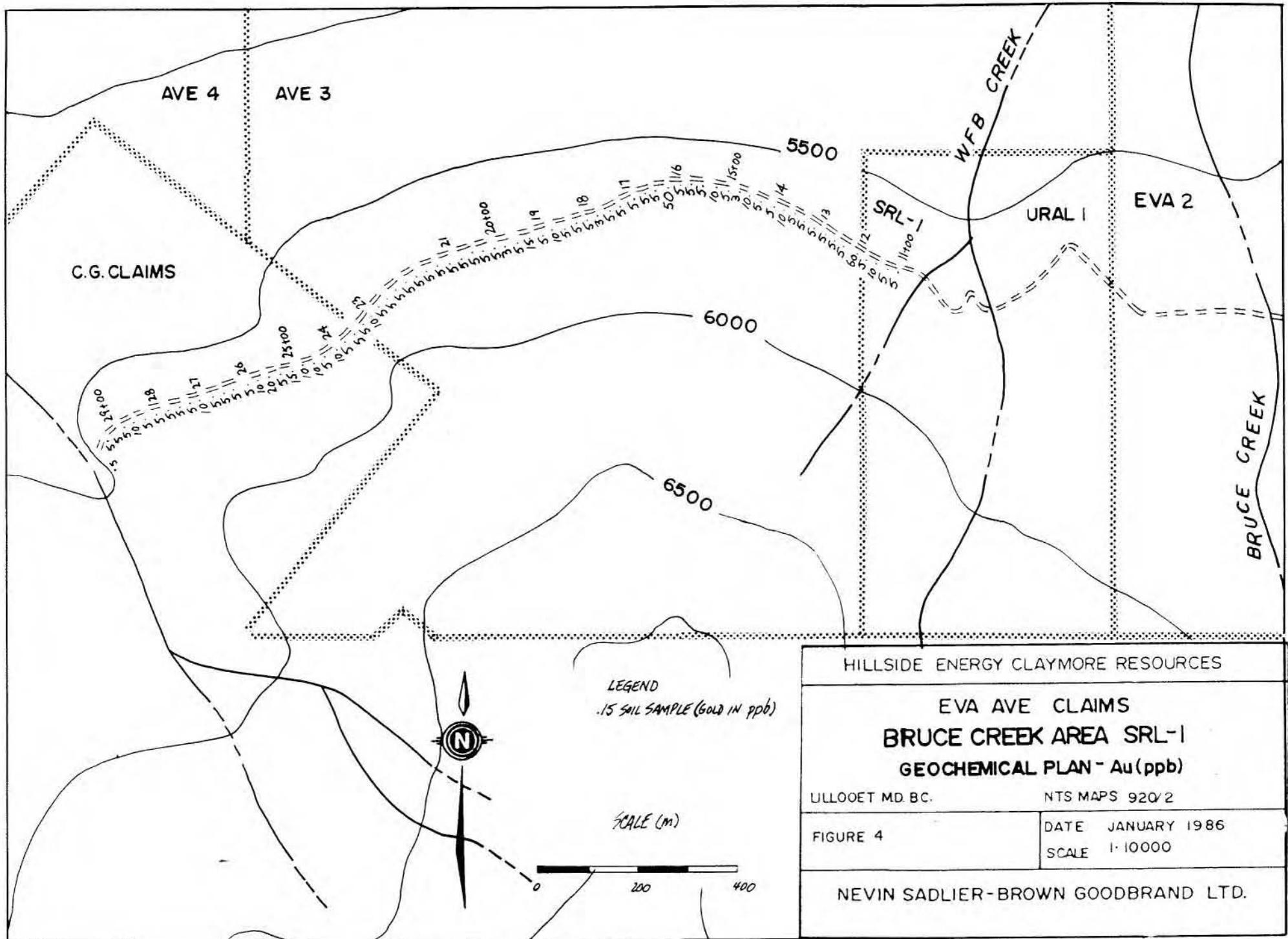
The northeasterly trending zone (b) was confirmed as being anomalous only close to Bruce Creek, from 6+50N to 8+50N. Samples close to Bruce Creek are suspected to be alluvial in origin and not representative of underlying bedrock.

The anomalous area (c) around BL 0+00, 3+00N is on a small topographic bench, substantially mantled by alluvial material deposited by Moose and Bruce Creeks and their tributaries.

The source of this alluvial gold is most likely the quartz diorite stock that underlies the headwater of these creeks including Eldorado Mountain ridge, extending west to Bonanza Creek, within which numerous gossanous shear zones occur.

3.3 Taylor Creek

Of the five reconnaissance soil traverses, all sampled at 25 m intervals, two had weak gold anomalies (Figure 6). One anomaly (on SRL-8) is on the Taylor Creek access road to the west of the Taylor Creek bridge, near the western boundary of EVA 15; the other on a 500 m line (SRL-11) traversing the presumed location of the gold-bearing arsenopyrite-stibnite vein located in 1981 by Pan Ocean Oil (NAB352, Figure 3)



(Chabot, 1982). The vein on EVA 10 was not located during the 1985 survey. However, a weak soil anomaly of up to 45 ppb across 50 m (on SRL-11) and elevated gold in rock chip samples from float (up to 140 ppb) from the mapped location of samples NAB351 and 352 may be derived from the vein or its disseminated halo.

The lack of anomalous gold on the line east of the Taylor Creek bridge (SRL-7) substantiates the suspicion held by Placer Development that their anomalous results were invalid and possibly a product of laboratory error.

The gold anomaly on SRL-8 is up to 45 ppb across 50 m, and crosses two creeks that had weakly anomalous gold values in bulk stream sediment samples. Further soil and rock chip sampling upslope from this line will be required to better interpret this anomaly.

3.4 Freiberg Creek

Three reconnaissance soil lines totalling 4.3 km were run parallel to Freiberg Creek (Figure 7). Analysis of 175 soil and three rock chip samples collected at 25 m intervals resulted in no significantly anomalous geochemical results. Spot highs of 25 and 30 ppb Au were identified although these values are isolated, and surrounded by low, background assays. The reconnaissance failed to extend Pan Ocean's bulk sediments sampling anomaly upslope from Freiberg Creek.

No further work can be recommended in the Freiberg Basin on the basis of the 1985 geochemistry results.

3.5 Tyaughton Creek

The southerly of the two soil reconnaissance lines on the north bank of upper Tyaughton Creek (SRL 5 and 6, Figures 8 & 9) located anomalous gold values (from 90 to 525 ppb) over 100 m and was open to the west. Earlier work by Pan Ocean Oil (1980) had discovered gold values up to 1100 ppb on a single line situated 250 m north of Tyaughton Creek. The 1985 survey could neither positively relocate the 1980 line nor duplicate the anomalous values. However, gold values up to 7 690 ppb in rock chip samples and strongly anomalous soil sample results on the independent surveys prompted the installation of a sampling grid in late October.

Analysis of 378 soil samples collected from 7.65 line-km of chain and compass grid has yielded two zones with

coincident anomalies in gold and arsenic. Threshold values of 50 ppb for gold and 100 ppm for arsenic were selected.

A strong soil gold anomaly approximately 300 m in length and 100 m wide is situated in the southeastern quadrant of the grid. An area of elevated values breaks sharply on its northeastern edge, giving the anomaly an apparent strike of approximately 130° to 150°. Dispersion of the anomaly occurs downslope and it is open to the south. The width of the anomaly is substantiated by rock chip samples from a quartz-stibnite vein located at 0+60 m N by 1+00 m E which assayed at 4500 and 1620 ppb Au. This showing is situated at least 150 m downslope from the margin of the anomalous zone and is well within the 500 ppb Au soil contour.

A second area of elevated gold values is located approximately 200 m west of the main anomaly. Again, several values in excess of 1000 ppb Au were encountered on two lines. This anomaly is somewhat less distinct than the one lying to the east although a sharp break on the northern boundary of the zone may be geologically significant. Assays of 2700 ppb Au on quartz veinlets in the immediate vicinity of the anomaly serve to substantiate elevated soil gold values. The two areas are separated by a draw containing a small tributary to Tyaughton Creek and linked geochemically by a series of weakly anomalous values.

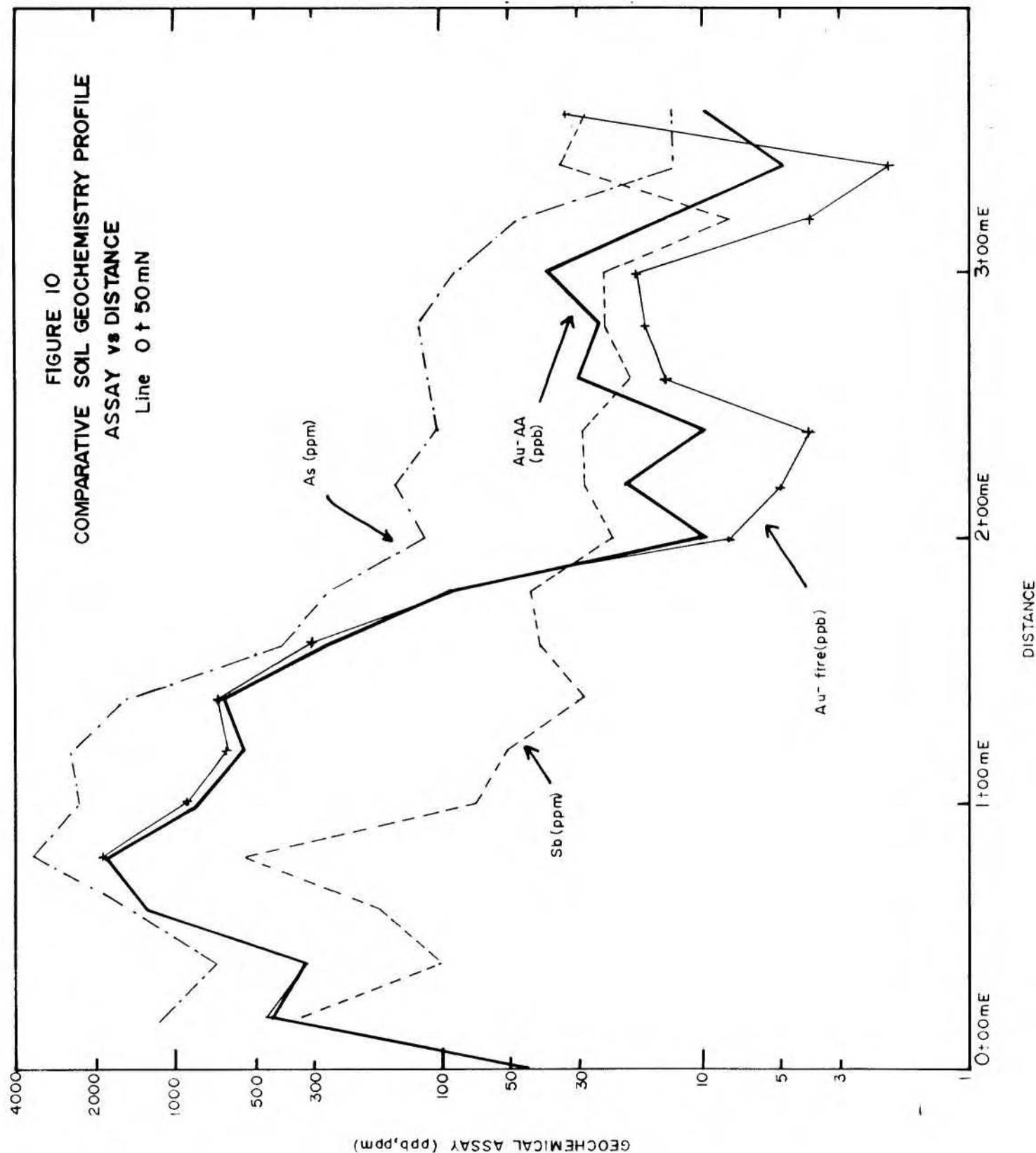
The arsenic anomaly is strongly coincident with gold values and does not display irregularities attributed to the nugget effect in gold anomalies. The arsenic anomalies extended only slightly beyond elevated gold values, proving a strong correlation between the two elements such as might be expected with gold in association with arsenopyrite.

The controls on the occurrence of arsenic within soil samples is, however, considerably more pronounced than with gold. The northeastern margin of the main anomaly breaks very abruptly to background values along a trend bearing roughly 140°. In addition, the northwestern edge of the anomalous zone trails off sharply, suggesting a major control on soil mineralization occurring along a trend of approximately 075°.

Numerous spot anomalies occur throughout the northern half of the grid. These values, however, remain to be explained.

A check analysis was performed on soil samples along the eastern segment of line 0+50 m N. Figure 10 shows the

FIGURE 10
COMPARATIVE SOIL GEOCHEMISTRY PROFILE
ASSAY vs DISTANCE
Line O + 50mN



correlation between results for atomic absorption gold, fire gold, arsenic and antimony analyses. The different gold assay techniques match very closely in samples with elevated values although, below the threshold of 50 ppb, there are some discrepancies. Antimony shows a good correlation with gold analyses but the contrast between background and anomalous values is not as pronounced as with other elements. Arsenic appears to best correspond to gold in this area. High peak to background ratios, strongly pronounced anomalous values and their coincidence with elevated gold analyses make arsenic a most effective tracer.

It should be noted that the anomalous zones on the Tyaughton Creek Grid are generally situated on steep terrain, commonly with extensive outcrop mantled by talus. Conversely, areas showing little geochemical response are located within moderate to heavy forest, with samples taken from a well developed soil horizon. It is possible that the geochemical survey is biased by these terrain effects. Nonetheless, the magnitude and the areal extent of the anomaly are significant and further investigation is strongly recommended.

4. CONCLUSION

4.1 Conclusions

Reconnaissance and detailed soil and rock geochemical sampling during the 1985 season has identified a major gold and arsenic anomaly along Tyaughton Creek on the northwestern corner of the claim group. Soil samples assayed as high as 5100 ppb Au and 13000 ppm As are part of an area of significantly elevated geochemistry values at least 300 m in length and 100 m wide. The anomaly is supported by assays from rock chip samples of quartz-stibnite vein material grading to 4.78 g/tonne (0.14 oz/ton) gold. Another zone of substantially elevated gold-arsenic values lies approximately 100 m west of the main anomaly.

Investigations in three other areas yielded only mediocre results. Detailed soil sampling in the Bruce Creek area north of Eldorado Mountain relocated a number of weak soil anomalies previously identified by Placer Development Ltd. However, the survey neither enlarged anomalous areas nor produced any significant new discoveries.

Reconnaissance geochemical sampling in upper Taylor Creek located two weak gold-arsenic-stibnite anomalies of limited size. The bulk of the samples, however, assayed at values

only marginally above lower detection limits. A high grade gold-silver-stibnite vein discovered by Pan Ocean Oil personnel in 1981 was not located during the 1985 survey although it is considered that one of the soil anomalies is an expression of this feature.

Three soil reconnaissance lines in the Freiberg Creek drainage failed to locate any significant gold-bearing features. Anomalies up to 30 ppb Au are spotty and isolated.

4.2 Recommendations

The lack of encouraging results over certain areas within the Eva-Ave group and the expense of maintaining the extensive holdings are factors which support a reduction of the claim area. The positive results from the Tyaughton Creek grid, however, suggest that exploration effort be focussed on this region.

Exploration and administrative recommendations for the 1986 season include:

- Further investigation of the Tyaughton Creek area between Spruce Lake and Bonanza Creeks. The program envisaged would entail follow-up soil sampling both north and south of Tyaughton Creek, detailed geological mapping in the anomalous areas, and diamond drilling in an attempt to further the extent of known mineralization and to ascertain structural controls on gold occurrences.
- Drop the interest in several large claim blocks, particularly in southern portions of the group, such as Eva 20, 21, 22 and 23. It may be prudent to stake more ground in the vicinity of Ave 5.

The discovery of the significant gold-arsenic anomaly should provide a strong exploration incentive not only in the Tyaughton Creek area but in other related local structures as well.

REFERENCES

- Arscott, D., 1976. Geological mapping and geochemical surveying on the Gold Group of claims, Eldorado Mountain. Unpublished report by Chevron Minerals. (B.C. Assessment Report 6002).
- Cairnes, C.E., 1937. Geology and mineral deposits of Bridge River Mining Camp, B.C. Geological Survey of Canada, Memoir 213, 140pp.
- Cairnes, C.E., 1943. Geology and mineral deposits of Tygaughton Lake map-area, British Columbia. Geological Survey of Canada, Paper 43-15, 39pp.
- Chabot, G.E. and Garratt, G.L., 1982. Report on a reconnaissance geologic mapping and geochemical survey conducted on the Thule 1-6 and Eva 1-6 and 10-25 mineral claims, Lillooet M.D., B.C. Unpublished report for Pan Ocean Oil Ltd., 42pp.
- Dolmage, V., 1928. "Gun Creek Area" in Summary Report Part A, 1928. Geological Survey of Canada, p.78-93.
- Drysdale, C.W., 1916. Bridge River map-area, Lillooet Mining Division. Geological Survey of Canada Summary Report 1915, p.75-85.
- Jeletzky, J.A. and Tipper, H.W., 1968. Upper Triassic and Cretaceous rocks of Taseko Lakes map-area and their bearing on the geological history of southwestern British Columbia. Geological Survey of Canada, Paper 67-54.
- Joubin, F., 1948. Structural geology of the Bralorne and Pioneer Mines, Bridge River District, British Columbia. Western Miner, Vol. 21, No. 7, July, p.39-50.
- Kimura, E.T., 1983. Geochemical report on Eva-Thule Property, Lillooet Mining Division. Unpublished report by Placer Development Ltd., 14pp.
- Kimura, E.T. and Barde, B.W., 1984. Soil and rock geochemical report, Eva property, Lillooet Mining Division. Unpublished report by Placer Development Ltd., 35pp.
- Kimura, E.T. and Thornton, J.M., 1983. Progress Report - Aberford Project (Fieldwork and preliminary results on the Eva-Thule, Thunder and Mark Claims). Unpublished report by Placer Development Ltd., 19pp.

- Kimura, E.T. and Thornton, J.M., 1984. Geochemical and geophysical report on the Eva property, Lillooet Mining Division. Unpublished report by Placer Development Ltd., 21pp.
- Kimura, E.T., Thornton, J.M. and Barde, B.W., 1985. Final Report - Aberford Project 1984 Field Work Results and Interpretation on the Eva and Thunder Claim Groups. Unpublished report by Placer Development Ltd., 65pp.
- Leech, G.B., 1953. Geology and mineral deposits of the Shulaps Range, southwestern British Columbia. B.C. Department of Mines, Bulletin 32, 54pp.
- McCann, W.S., 1922. Geology and mineral deposits of the Bridge River Map Area, British Columbia. Geological Survey of Canada, Memoir 130, 115pp.
- Minister of Mines, 1936. Annual Report of the Minister of Mines of B.C. for 1935. p.F17-F21 (Taylor-Windfall Gold Mining Co.); p.F13-F16 Bridge River Area.
- Pearson, D.E. Bridge River Map-Area, B.C. Department of Mines and Petroleum Resources, Geological Fieldwork, 1974, p.35-39.
- Roddick, J.A. and Hutchison, W.W., 1975. Pemberton (East Half) Map-Area, British Columbia. Geological Survey of Canada, Paper 73-17, 21pp. and Map 13-1973.
- Rusmore, Margie. University of Washington, geology student studying Cadwallader Group in Bridge River - Eldorado Mtn. area; fault zone (pers. comm.).
- Stanley, A.D., 1960. The geology of Pioneer Gold Mine, Lillooet Mining Division, B.C. M.Sc. Thesis, University of British Columbia, 127pp.
- Tipper, H.W., 1978. Taseko Lakes (920) Map-Area (1:125,000). Geological Survey of Canada Open-File 534.
- Woodsworth, C.J., 1977. Pemberton (92J) Map-Area (1:250,000). Geological Survey of Canada Open-File 482.
- Woodsworth, C.J., Pearson, D.E. and Sinclair, A.J., 1977. Metal distribution patterns across the eastern flank of the Coast Plutonic Complex, south-central British Columbia. Economic Geology, Vol. 72, No. 2, p.170-183.

APPENDIX A
SCHEDULE OF COSTS

The following summarizes exploration costs applicable as assessment work for the Eva-Ave claims. Expenses have been apportioned between Groups 1 through 5 as detailed in cost breakdowns described in Items 1 through 7.

Cost Description	Exploration Costs	Apportioned to Group	1	2	3	4	5
July, 1985							
-Field Program (ref. Item 1)	1804.31	10374.78	6315.08	1804.31	3157.56		
Geological Investigation of Upper Taylor Creek (ref. Item 2)					5421.50		
Freiberg Crk. (ref. Item 3)						4497.83	
Sampling program on Tyaughton Crk. (ref. Item 4)	9639.25						
Analytical Costs (ref. Item 5)	4603.90	4577.90	1072.45	881.45	957.25		
Helicopter Expenses (ref. Item 6)	2060.00			609.00	1150.00		
Report Prep. and Project Admin. (ref. Item 7)	2547.02	2547.02	2547.02	2547.02	2547.02		
TOTAL COST	20654.48	17499.70	9934.55	11263.28	12309.66		
				Grand Total	\$71,661.67		

Item 1

Costs to be apportioned between Groups 1, 2, 3, 4 and 5*
 (Field exploration - July, 1985)

a) Fees Paid

J. Britton, geologist; 2 July - 15 August, 1985 36 days @ \$292/day	\$10,512.00
J. Cockroft, assistant; 2 July - 27 July, 1985 26 days @ \$147/day	3,822.00
P. Friz, assistant; 2 July - 27 July, 1985 26 days @ \$137/day	<u>3,562.00</u>
	Total Wages
	\$17,896.00

b) Food and Accomodation

Groceries	986.02
Camp rental (2-27 July, 1985; \$18/man-day)	<u>1,350.00</u>
	\$ 2,336.02

c) Transportation

Truck rental (2-27 July, 1985; \$40/day plus \$0.17/km)	1,526.40
Fuel	<u>413.92</u>
	\$ 1,940.32

d) Rentals and Expendible Supplies

Chain Saw (4 weeks @ \$78/week)	312.00
SBX-11 Radiotelephone (4 weeks @ \$35/week)	140.00
Miscellaneous camp/survey supplies	<u>265.80</u>
	\$ 717.80

e) Survey Preparation and Analysis

Map preparation and prints	315.63
Airphotos	178.27
Report typing	<u>72.00</u>
	\$ 565.90
	GRAND TOTAL <u>\$ 23,456.04</u>

* Costs apportioned according to the following criteria

GROUP	CREW-DAYS SPENT WORKING ON GROUP	PERCENTAGE OF TOTAL TIME (3)	COST ALLOTMENT TO GROUP CORRESPONDING TO (3)
1	2	7.7	\$ 1,804.31
2	11.5	44.2	10,374.78
3	7	26.9	6,315.08
4	2	7.7	1,804.31
5	3.5	13.5	3,157.56
Total	26	100.0	\$ 23,456.04

Item 2

Costs incurred on Eva 15 (Group 4)

PART I

a) Fees Paid

N. Ball, consulting geologist, 16-17 September 1985 2 days @ \$275/day	\$ 550.00
J. Britton, geologist, 16-17 September 1985 2 days @ \$292/day	584.00
T. Sadlier-Brown, geologist, 16-17 Sept. 1985 10 hours @ \$52/hour	<u>520.00</u>
	Total Wages \$ 1,654.00

b) Food and Accommodation

N. Ball, meals and accommodation	\$ 63.64
Meals	<u>93.71</u>
	\$ 157.35

c) Transportation

Fuel	\$ 53.17
------	----------

d) Report Preparation

Typing	\$ 36.00
	PART I Sub-Total \$ 1,900.52

PART II

a) Fees Paid

J. Britton, geologist, 7-15 October, 1985 3.63 days @ \$292/day	\$ 1,059.96
T. Sadlier-Brown, geologist, 8-15 Oct. 1985 27 hours @ \$68/hour	1,836.00
M. Cloutier, assistant, 10-11 October, 1985 2 days @ \$75/day	<u>150.00</u>
	Total Wages \$ 3,045.96

ITEM 2 (continued)

b) Meals and Accomodation

Motel	\$ 208.87
Meals	<u>67.55</u>
	\$ 276.42

c) Transportation

Truck rental, 2 days @ \$40/day, \$0.17/km	<u>198.60</u>
PART II Sub-Total	<u>3,520.98</u>
PART I Sub-Total	<u>1,900.52</u>
TOTAL Item 2 to be applied to Group 4	\$ <u>5,421.50</u>

Item 3

Costs incurred on Eva 21 (Group 5)

a) Fees Paid

J. Britton, geologist, 16-21 October, 1985 3 days @ \$292/day	\$ 876.00
P. Roberts, assistant, 15-21 October, 1985 7 days @ \$157.50/day	1,102.50
G. Mowatt, assistant, 17-21 October, 1985 5 days @ \$178.50	<u>892.50</u>
	Total Wages \$ 2,871.00

b) Food and Accomodation

Groceries	\$ 183.81
Gold Bridge Motel (food and accomodation)	378.69
Meals	<u>88.99</u>
	\$ 651.49

c) Transportation

Truck rental (15-21 September, 1985, \$40/day, \$0.17/km) (16-17 October, 1985, \$40/day, \$0.17/km)	\$ 444.76
Fuel	231.30
	<u>211.00</u>
	\$ 887.06

d) Expendible Supplies

Miscellaneous survey supplies	\$ 88.28
TOTAL Item 3 to be applied to Group 5	<u>\$ 4,497.83</u>

Item 4

Costs incurred on Ave 5 (Group 1)

a) Fees Paid

S. Croft, geological engineer, 18 Oct - 14 Nov 1985, 15.8 days @ \$252/day	\$ 3,981.60
G. Mowatt, assistant, 22-29 October 1985 8 days @ \$178.50/day	1,428.00
P. Roberts, assistant, 22-29 October 1985 8 days @ \$157.50/day	1,260.00
J. Robinson, assistant, 22-29 October 1985 7.5 days @ \$157.50/day	<u>1,181.25</u>
	Total Fees Paid
	\$ 7,850.85

b) Food and Accommodation

Groceries and camp supplies	\$ 390.40
Camp rental, 23 - 29 October, 1985 28 man-days @ \$18/mdl.	<u>504.00</u>
	\$ 894.40

c) Transportation

Truck rental 23 - 29 October, 1985 (4 days @ \$40/day, \$0.17/km)	\$ 328.38
--	-----------

d) Rentals and Expendable Supplies

Chain Saw Rental (7 days @ \$22/day)	\$ 154.00
SBX-11 Radiotelephone (1 week @ \$35/week)	35.00
Snow shoes	15.00
Miscellaneous survey supplies	<u>202.12</u>
	\$ 406.12

e) Survey Preparation and Reporting

S. Hancock, drafter (20 - 25 November 1985) 5.5 hours @ \$29/hour	<u>\$ 159.50</u>
--	------------------

TOTAL Item 5 to be applied to Group 1	\$ 9,639.25
---	-------------

ITEM 5 - Analytical Fee Detail

Item	GROUP				
	1	2	3	4	5
Bruce Ck Grid	714 soil samples prep & Au @ \$5.35		3819.90		
	1 soil sample Zn, As, Sb		8.75		
	27 soil samples prep. 5-ICP, Au @ \$10.35		279.45		
	5 rock assay prep. and Au @ \$10.50		52.50		
SRL 1 & 2	155 soil samples prep. & Au @ \$5.35	829.25			
Upper Taylor Ck	14 rock geochem/assay prep & Au @ \$9.90			138.60	
	10 rock assay/geochem prep.,Au,Ag,As,Sb @23.25		232.50		
	63 soil pulp, SRL 10 As/Sb @ \$6.75			425.25	
	4 rock assay/geochem prep.,Au,Ag,As,Sb @23.25			93.00	
SRL 3 & 4 (PJ Creek)	78 soil samples prep. & Au @ \$5.35	417.30			
SRL 7,8,9,11	157 soil samples prep. & Au @ \$5.35		839.95		
SRL 10	42 soil samples prep. & Au @ \$5.35			224.70	
Bonanza Ck area	9 rock assay prep. & Au @ \$10.50	94.50			
Freiberg Ck	175 soil samples prep. & Au @ \$5.35				936.25
	3 rock geochem prep. and Au @ \$7.00				21.00
Tyaughton Creek	377 soil samples prep & Au @ \$5.35	2016.95			
	10 rock geochem/assay prep,5-ICP,Au @ 16.75	167.50			
	359 soil pulp As @ \$3.00	1077.00			
	18 soil pulp As,Sb,Au-FIRE @13.25	238.50			
	3 rock pulp As @3.00	9.00			
TOTAL		4603.90	4577.90	1072.45	881.55
GRAND TOTAL =					957.25

Item 6Helicopter Expenses

To be apportioned between Groups 1, 4 and 5

Group	1	4	5
July 11			
Reconnaissance		305.00	650.00
Sept 16			
Taylor Ck			
Reconnaissance		304.00	500.00
Tyaughton Creek			
Mobilization	1055.00		
Demobilization	1005.00		
TOTAL	2060.00	609.00	1150.00
		TOTAL	\$3819.00

Item 7

Costs for Report Preparation and Project Administration

Final Report Preparation

a) Fees Paid

S. Croft, geological engineer, 18 Nov 1985 - 15 Feb 1986, 127.5 hours @ \$31.50/hr	\$ 4016.25
S. Hancock, drafter, 1 Dec 1985 - 15 Feb 1986 29 hours @ \$29/hr	841.00
N. Cukor, drafter, 20 Dec 1985 - 31 Dec 1985 18 hours @ \$15/hr	270.00
P. Campbell, typist, 1 Dec 1985 - 15 Feb 1986 9.5 hours @ \$23.00/hr	<u>218.50</u>

Total Fees Paid	\$ 5345.75
-----------------	------------

b) Report Preparation

Maps, printing, copying	\$ 372.68	
Photocopying, binding	75.00	
Computer time	<u>122.50</u>	
	570.18	
	<u>570.18</u>	
	Sub Total	\$ 5915.93

Administration

T.L. Sadlier-Brown, fees, 1 July 1985 - 15 Feb 1986 124.5 hours @ \$52/hr	\$ 6474.00	
T.L. Sadlier-Brown, meals and accomodation	183.61	
	54.03	
	73.90	
	<u>33.65</u>	
	345.19	
	<u>345.19</u>	
	Sub Total	\$ 6819.19
	Report Prep Sub Total	<u>5915.93</u>
	TOTAL	<u>\$12,735.12</u>

TOTAL of Item 7 is to be apportioned evenly between all groups.

Total expense to be applied to each group:

TOTAL / 5 = \$ 2547.02

APPENDIX B

CERTIFICATE AND STATEMENT OF QUALIFICATIONS

I, Stuart A.S. Croft, hereby certify that:

1. I reside at 2008 Hyannis Drive, North Vancouver, B.C. V7H 2E4.
2. I am a consulting geologist with the firm of Nevin Sadlier-Brown Goodbrand Ltd., 401-134 Abbott Street, Vancouver, B.C. V6B 2K4.
3. I hold a B.A.Sc. in Geological Engineering from the University of British Columbia and have been practicing my profession since 1981.
4. I am a registered member of the Association of Professional Engineers of British Columbia (Geological).
5. I have personally supervised the exploration of the Ave 5 claim conducted during October 1985, reviewed the data on the remainder of the claim group, and overseen the preparation of this report.


Stuart A.S. Croft, P.Eng.


February 17, 1986

APPENDIX C

ANALYTICAL PROCEDURES AND CERTIFICATES

MIN-EN Laboratories Ltd.

Specialists in Mineral Environments

Corner 15th Street and Bewicke
705 WEST 15TH STREET
NORTH VANCOUVER, B.C.
CANADA V7M 1T2

FIRE GOLD GEOCHEMICAL ANALYSIS BY MIN-EN LABORATORIES LTD.

Geochemical samples for Fire Gold processed by Min-En Laboratories Ltd., at 705 W. 15th St., North Vancouver Laboratory employing the following procedures.

After drying the samples at 95° C soil and stream sediment samples are screened by 80 mesh sieve to obtain the minus 80 mesh fraction for analysis. The rock samples are crushed and pulverized by ceramic plated pulverizer.

A suitable sample weight 15.00 or 30.00 grams are fire assay preconcentrated.

After pretreatments the samples are digested with Aqua Regia solution, and after digestion the samples are taken up with 25% HCl to suitable volume.

Further oxidation and treatment of at least 75% of the original sample solutions are made suitable for extraction of gold with Methyl Iso-Butyl Ketone.

With a set of suitable standard solution gold is analysed by Atomic Absorption instruments. The obtained detection limit is 1 ppb.

PHONE 980-5814

MIN-EN Laboratories Ltd.

Specialists in Mineral Environments

Corner 15th Street and Bewicke
705 WEST 15TH STREET
NORTH VANCOUVER, B.C.
CANADA V7M 1T2

GOLD GEOCHEMICAL ANALYSIS BY MIN-EN LABORATORIES LTD.

Geochemical samples for Gold processed by Min-En Laboratories Ltd., at 705 W. 15th St., North Vancouver Laboratory employing the following procedures.

After drying the samples at 95°C soil and stream sediment samples are screened by 80 mesh sieve to obtain the minus 80 mesh fraction for analysis. The rock samples are crushed and pulverized by ceramic plated pulverizer.

A suitable sample weight 5.0 or 10.0 grams are pretreated with HNO₃ and HCLO₄ mixture.

After pretreatments the samples are digested with Aqua Regia solution, and after digestion the samples are taken up with 25% HCl to suitable volume.

Further oxidation and treatment of at least 75% of the original sample solutions are made suitable for extraction of gold with Methyl Iso-Butyl Ketone.

With a set of suitable standard solution gold is analysed by Atomic Absorption instruments. The obtained detection limit is 0.005 ppm (5ppb).

MIN-EN Laboratories Ltd.

Specialists in Mineral Environments

Corner 15th Street and Bewicke
705 WEST 15TH STREET
NORTH VANCOUVER, B.C.
CANADA V7M 1T2

ANALYTICAL PROCEDURE REPORT FOR ASSESSMENT WORK

PROCEDURE FOR ARSENIC:

Samples are processed by Min-En Laboratories Ltd., at 705 West 15th St., North Vancouver Laboratory employing the following procedures.

After drying the samples at 95°C soil and stream sediment samples are screened by 80 mesh sieve to obtain the minus 80 mesh fraction for analysis. The rock samples are crushed by a jaw crusher and pulverized by ceramic plated pulverizer.

1.0 gram of the samples are digested for 6 hours with HNO₃ and HClO₄ mixture.

After cooling samples are diluted to standard volume. A suitable aliquote is taken from the above 1 gram sample solution and the test is carried out by Gutzit method using Ag CS₂N (C₂H₅)₂ as a reagent. The detection limit obtained is 1. ppm.

MIN-EN Laboratories Ltd.

Specialists in Mineral Environments

Corner 15th Street and Bewicke
705 WEST 15TH STREET
NORTH VANCOUVER, B.C.
CANADA V7M 1T2

Geochemical Samples for Antimony Processed
By Min-En Laboratories Ltd., At The
Above Address Employing The Following Procedure.

Sample Preparation: After drying the samples at 120° F soils and stream sediment samples are screened by 80 mesh sieve to obtain the minus 80 mesh fraction for analysis. The rock samples are crushed and pulverized by ceramic plated pulverizer.

Analysis: 1.000 gram of the prepared samples are weighed into 25x200 mm pyrex test tubes.

Add 2 ml of conc HNO₃ and 5 ml of conc HCl and heat it at low temperature and slowly increase it to 150° F and let it digest for 30 minutes.

After the initial digestion increase temperature to 250° F for 3 hours. After digestion dilute to suitable volume and take a 5 ml aliquote for extraction into a clean test tube.

Add 5 ml H₂O and 10 ml of Methyl-Isobutyl-Ketone, cap it and shake it for 30 seconds. Read organic phase on Atomic Absorption Spectrophotometric against a suitably prepared standards.

ppm can be obtained from digest reading or graph can be prepared from the set of standards.

MIN-EN Laboratories Ltd.

Specialists in Mineral Environments

Corner 15th Street and Bewicke
705 WEST 15TH STREET
NORTH VANCOUVER, B.C.
CANADA V7M 1T2

ANALYTICAL PROCEDURE REPORT FOR ASSESSMENT WORK - 26 ELEMENT ICP

Ag, Al, As, B, Bi, Ca, Cd, Co, Cu, Fe, K, Mg, Mn, Mo,
Na, Ni, P, Pb, Sb, Sr, Th, U, V, Zn

Samples are processed by Min-En Laboratories Ltd., at 705 W. 15th St., North Vancouver Laboratory employing the following procedures.

After drying the samples at 95°C soil and stream sediment samples are screened by 80 mesh sieve to obtain the minus 80 mesh fraction for analysis. The rock samples are crushed by jaw crusher and pulverized by ceramic plated pulverizer.

1.0 gram of the samples are digested for 6 hours with HNO₃ and HClO₄ mixture.

After cooling samples are diluted to standard volume. The solutions are analysed by Computer operated Jarrell Ash 9000ICP. Inductively coupled Plasma Analyser. Reports are formatted by routing computer dotline print out.

ANALYTICAL RESULTS - SOIL

MIN-EN Laboratories Ltd.
Specialists in Mineral Environments
70 WEST 12th STREET NORTH VANDERBILT, B.C. CANADA V6A 1Z2

FILE: 1441780-3644 B 1441780-024

FILE: M-3626

BIOCHEMICAL ANALYSIS CERTIFICATE

COMPANY: KEVIN BADLIER BROWN GOODRANK
PROJECT: 246
ATTENTION: J.H. BRITTON

FILE: S-426/P1
DATE: AUGUST 6/85.
TYPE: SOIL BODCHEN

We hereby certify that the following are the results of the geochemical analysis made on 30 samples submitted.

SAMPLE NUMBER	AU PPB
SRL 1-11+00M	5
11+25M	5
11+50M	10
11+75M	5
12+00M	40
12+25M	5
12+50M	5
12+75M	5
13+00M	5
13+25M	5
13+50M	5
13+75M	10
14+00M	5
14+25M	5
14+50M	10
14+75M	5
15+00M	5
15+25M	10
15+50M	5
15+75M	5
16+00M	5
16+25M	50
16+50M	5
16+75M	5
17+00M	5
17+25M	5
17+50M	5
17+75M	5
SRL 1-18+25M	5

Certified by

Certified by

MIN-EN Laboratories Ltd.
Specialists in Mineral Environments
70 WEST 12th STREET NORTH VANDERBILT, B.C. CANADA V6A 1Z2

FILE: 1441780-3644 B 1441780-024

FILE: M-3626

BIOCHEMICAL ANALYSIS CERTIFICATE

COMPANY: KEVIN BADLIER BROWN GOODRANK
PROJECT: 246
ATTENTION: J.H. BRITTON

FILE: S-426/P2
DATE: AUGUST 6/85.
TYPE: SOIL BODCHEN

We hereby certify that the following are the results of the geochemical analysis made on 30 samples submitted.

SAMPLE NUMBER	AU PPB
SRL 1-4+25M	5
4+50M	5
4+75M	5
5+00M	5
5+25M	10
5+50M	5
5+75M	5
7+00M	5
7+25M	5
7+50M	5
7+75M	5
8+00M	5
8+25M	5
8+50M	5
8+75M	5
9+00M	5
9+25M	5
9+50M	5
SRL 1-9+75M	5
SRL 1-10+00M	5
11+25M	5
11+50M	5
11+75M	10
12+00M	5
12+25M	5
12+50M	5
12+75M	5
13+00M	5
13+25M	5
13+50M	5
13+75M	5
SRL 1-4+00M	5

Certified by

Certified by

MIN-EN Laboratories Ltd.
Specialists in Mineral Environments
70 WEST 12th STREET NORTH VANDERBILT, B.C. CANADA V6A 1Z2

FILE: 1441780-3644 B 1441780-024

FILE: M-3626

BIOCHEMICAL ANALYSIS CERTIFICATE

COMPANY: KEVIN BADLIER BROWN GOODRANK
PROJECT: 246
ATTENTION: J.H. BRITTON

FILE: S-426/P3
DATE: AUGUST 5/85.
TYPE: SOIL BODCHEN

We hereby certify that the following are the results of the geochemical analysis made on 30 samples submitted.

SAMPLE NUMBER	AU PPB
SRL 3-7+00M	5
7+25M	5
7+50M	5
7+75M	3
8+00M	5
8+25M	5
8+50M	3
8+75M	5
9+00M	5
9+25M	5
9+50M	5
SRL 3-10+00M	5
SRL 3-11+00M	5
11+25M	5
11+50M	5
11+75M	5
12+00M	5
12+25M	5
12+50M	5
12+75M	5
13+00M	5
13+25M	5
13+50M	5
13+75M	5
14+00M	5
14+25M	5
14+50M	5
14+75M	5
15+00M	5
15+25M	5
15+50M	5
15+75M	5
SRL 3-16+00M	5

Certified by

MIN-EN Laboratories Ltd.
Specialists in Mineral Environments
708 WEST 13TH STREET VICTORIA, B.C. CANADA V8W 1T2

RECEIVED 10/10/89 BY: 104-188-024

REC'D 10-11-89

GEOCHEMICAL ANALYSIS CERTIFICATE

COMPANY: KEVIN BADLER BROWN GOODRIDGE
PROJECT: 246
ATTENTION: J.H. BRITTON

FILE: S-426
DATE: AUGUST 9/89.
TYPE: SOIL WASH

We hereby certify that the following are the results of the geochemical analysis made on 1 samples submitted.

SAMPLE NUMBER	ZN PPM	AS PPM	AU PPM	SR PPM
BL-10-10-246-246	50	7	8	2

MIN-EN Laboratories Ltd.
Specialists in Mineral Environments
708 WEST 13TH STREET VICTORIA, B.C. CANADA V8W 1T2

RECEIVED 10/10/89 BY: 104-188-024

REC'D 10-11-89

GEOCHEMICAL ANALYSIS CERTIFICATE

COMPANY: KEVIN BADLER BROWN GOODRIDGE
PROJECT: 246
ATTENTION: J.H. BRITTON

FILE: S-426/P1
DATE: SEPT. 23/89.
TYPE: SOIL PULP

We hereby certify that the following are the results of the geochemical analysis made on 30 samples submitted.

SAMPLE NUMBER	BB PPM	AS PPM
BL-10-0-00	7	4
0+25	7	8
0+50	11	14
0+75	12	9
1+00	7	11
1+25	9	8
1+50	8	13
1+75	1	19
2+00	4	4
2+25	9	15
2+50	1	10
2+75	1	15
3+00	1	9
3+25	1	4
3+50	3	9
3+75	1	16
4+00	5	12
4+25	7	15
4+50	15	10
4+75	5	22
5+00	6	27
5+25	2	25
5+50	7	25
5+75	1	41
6+00	5	12
6+25	3	12
6+50	2	7
6+75	5	32
7+00	11	16
BL-10-7+25	6	11

Certified by

MIN-EN Laboratories Ltd.
Specialists in Mineral Environments
708 WEST 13TH STREET VICTORIA, B.C. CANADA V8W 1T2

RECEIVED 10/10/89 BY: 104-188-024

REC'D 10-11-89

GEOCHEMICAL ANALYSIS CERTIFICATE

COMPANY: KEVIN BADLER BROWN GOODRIDGE
PROJECT: 246
ATTENTION: J.H. BRITTON

FILE: S-426/P2
DATE: SEPT. 23/89.
TYPE: SOIL PULP

We hereby certify that the following are the results of the geochemical analysis made on 30 samples submitted.

SAMPLE NUMBER	BB PPM	AS PPM
BL-10-7+50	3	2
7+75	1	3
8+00	3	5
8+25	2	7
8+50	2	3
8+75	2	10
9+00	2	1
9+25	3	6
9+50	1	7
9+75	2	10
BL-10-10+00	1	4
BL-11-0+00	1	10
0+25	10	13
0+50	1	12
0+75	1	6
1+00	7	31
1+25	1	11
1+50	8	12
1+75	3	3
2+00	4	9
2+25	2	5
2+50	2	29
2+75	4	23
3+00	5	16
3+25	2	14
3+50	8	11
3+75	4	15
4+00	3	76
4+25	5	16
4+50	2	16

4048SH

Certified by

MIN-EN Laboratories Ltd.
Specialists in Mineral Environments
708 WEST 13TH STREET VICTORIA, B.C. CANADA V8W 1T2

RECEIVED 10/10/89 BY: 104-188-024

REC'D 10-11-89

GEOCHEMICAL ANALYSIS CERTIFICATE

COMPANY: KEVIN BADLER BROWN GOODRIDGE
PROJECT: 246
ATTENTION: J.H. BRITTON

FILE: S-426/P3
DATE: SEPT. 23/89.
TYPE: SOIL PULP

We hereby certify that the following are the results of the geochemical analysis made on 2 samples submitted.

SAMPLE NUMBER	BB PPM	AS PPM
BL-11-4+75	1	7
BL-11-5+00	4	7

Certified by

POLY-SEN Laboratories Ltd.
Specialists in Mineral Environments
100 1st Street West Victoria, BC V8W 1H3

FAX: (250) 412-5521

FAX: (250) 412-5521

POLY-SEN Laboratories Ltd.
Specialists in Mineral Environments
100 1st Street West Victoria, BC V8W 1H3

FAX: (250) 412-5521

FAX: (250) 412-5521

GEOPHICAL ANALYSIS CERTIFICATE

COMPANY: HILLSONG ENERGY LTD.
PROJECT: 360
ATTENTION: T.L. ENGLER-BROWN

FILE# S-800/P3
DATE: OCT. 26/90.
TYPE: SOIL SEEDER

We hereby certify that the following are the results of the geochemical analysis made on 20 samples submitted.

SAMPLE NUMBER	PPM
URL-12-5100	8
0+25	10
0+50	9
0+75	3
1+00	10
1+25	3
1+50	3
1+75	10
2+00	3
2+25	3
2+50	5
3+00	5
3+25	3
3+50	10
3+75	5
4+00	5
4+25	3
4+50	10
4+75	5
5+00	3
5+25	3
5+50	10
5+75	3
6+00	3
6+25	3
6+50	10
6+75	3
7+00	3
7+25	3
7+50	10
8+00	3
8+25	3
8+50	10
8+75	3
9+00	3
9+25	3
9+50	10
9+75	3
10+00	3
10+25	3
10+50	10
10+75	3
11+00	3
11+25	3
11+50	10
11+75	3
12+00	3
12+25	3
12+50	10
12+75	3
13+00	3
13+25	3
13+50	10
13+75	3
14+00	3
14+25	3
14+50	10
14+75	3
PL-12-7125	3

Certified by

Certified by

POLY-SEN Laboratories Ltd.
Specialists in Mineral Environments
100 1st Street West Victoria, BC V8W 1H3

FAX: (250) 412-5521

FAX: (250) 412-5521

POLY-SEN Laboratories Ltd.
Specialists in Mineral Environments
100 1st Street West Victoria, BC V8W 1H3

FAX: (250) 412-5521

GEOPHICAL ANALYSIS CERTIFICATE

COMPANY: HILLSONG ENERGY LTD.
PROJECT: 360
ATTENTION: T.L. ENGLER-BROWN

FILE# S-800/P3
DATE: OCT. 26/90.
TYPE: SOIL SEEDER

We hereby certify that the following are the results of the geochemical analysis made on 20 samples submitted.

SAMPLE NUMBER	PPM
URL-12-15+00	10
15+25	3
15+50	25
15+75	10
16+00	3
16+25	10
16+50	10
16+75	10
17+00	3
17+25	3
ML-12-17+00	10
22+50	3
ML-13-0+00	3
0+25	3
0+50	3
0+75	3
1+00	3
1+25	30
1+50	10
1+75	3
2+00	3
2+25	10
2+50	3
2+75	30
3+00	3
3+25	3
3+50	3
3+75	10
4+00	3
PL-13-0+25	3

Certified by

Certified by

MIN-EN Laboratories Ltd.
Specialists in Mineral Environments
705 KEEF 19A STREET NORTH VICTORIA, B.C. CANADA V8V 1T2

FILE# 144198-264 OR 144199-024

FILE# 04-30300

geochemical analysis certificate

COMPANY: KEVIN BAUDIER-BROWN BODDGRAND
PROJECT: 260
ATTENTION: STUART CROFT

FILE# S-840/P11
DATE: NOV. 1/85.
TYPE: SOIL SEDIMENT

We hereby certify that the following are the results of the geochemical analysis made on 30 samples submitted.

SAMPLE NUMBER	AU PPB
2+SOH2+BOE	5
3+BOE	5
2+SOH3+BOE	5
3+OOH0+BOE	10
0+BOE	5
0+AOE	5
0+BOE	15
1+BOE	5
1+2OE	10
1+AOE	10
1+BOE	30
1+BOE	15
2+OOE	5
2+2OE	10
3+AOE	25
3+AOE	10
3+OOH3+AOE	NO SAMPLE
3+SOH0+2OE	10
0+AOE	5
0+AOE	15
1+AOE	5
1+AOE	10
3+SOH1+BOE	5
1+OOE	15
1+2OE	5
1+AOE	10
1+AOE	5

Certified by

Certified by

MIN-EN Laboratories Ltd.
Specialists in Mineral Environments
705 KEEF 19A STREET NORTH VICTORIA, B.C. CANADA V8V 1T2

FILE# 144198-264 OR 144199-024

FILE# 04-30300

geochemical analysis certificate

COMPANY: KEVIN BAUDIER-BROWN BODDGRAND
PROJECT: 260
ATTENTION: STUART CROFT

FILE# S-840/P12
DATE: NOV. 1/85.
TYPE: SOIL SEDIMENT

We hereby certify that the following are the results of the geochemical analysis made on 30 samples submitted.

SAMPLE NUMBER	AU PPB
3+SOH2+BOE	5
2+2OE	5
2+AOE	15
2+AOE	5
2+AOE	10
3+AOE	5
3+AOE	10
3+AOE	5
4+OOH0+2OE	10
0+AOE	5
0+AOE	5
0+AOE	10
1+AOE	5
1+2OE	5
1+AOE	10
1+AOE	10
2+AOE	5
2+AOE	10
2+AOE	5
2+AOE	10
3+AOE	5
3+AOE	15
4+SOH0+2OE	30
0+AOE	15
0+AOE	10
4+SOH0+BOE	5

MIN-EN Laboratories Ltd.
Specialists in Mineral Environments
705 KEEF 19A STREET NORTH VICTORIA, B.C. CANADA V8V 1T2

FILE# 144198-264 OR 144199-024

FILE# 04-30300

geochemical analysis certificate

COMPANY: KEVIN BAUDIER-BROWN BODDGRAND
PROJECT: 260
ATTENTION: STUART CROFT

FILE# S-840/P13
DATE: NOV. 1/85.
TYPE: SOIL SEDIMENT

We hereby certify that the following are the results of the geochemical analysis made on 30 samples submitted.

SAMPLE NUMBER	AU PPB
4+SOH1+BOE	10
1+2OE	5
1+AOE	15
1+AOE	5
1+BOE	5
2+OOE	15
2+2OE	10
2+AOE	10
2+AOE	5
2+AOE	5
3+AOE	20
3+AOE	25
3+AOE	15
4+SOH3+AOE	10
3+OOH0+2OE	10
0+AOE	5
0+AOE	10
0+BOE	10
1+OOE	15
1+2OE	10
1+AOE	5
1+AOE	10
1+AOE	25
2+AOE	5
2+AOE	10
2+AOE	5
2+AOE	10
3+AOE	5
3+AOE	10
3+AOE	5

Certified by

Certified by

MIN-EN Laboratories Ltd.
Specialists in Mineral Environments
705 KEEF 19A STREET NORTH VICTORIA, B.C. CANADA V8V 1T2

FILE# 144198-264 OR 144199-024

FILE# 04-30300

geochemical analysis certificate

COMPANY: KEVIN BAUDIER-BROWN BODDGRAND
PROJECT: 260
ATTENTION: STUART CROFT

FILE# S-840/P14
DATE: NOV. 1/85.
TYPE: SOIL SEDIMENT

We hereby certify that the following are the results of the geochemical analysis made on 3 samples submitted.

SAMPLE NUMBER	AU PPB
5+OOH3+4OE	10
3+AOE	15
3+OOH3+BOE	NO SAMPLE

MIN-EN Laboratories Ltd.
Specialists in Mineral Environments
708 WEST 12th STREET NORTH VICTORIA, B.C. CANADA V8R 1T2

PHONE: (604) 946-3844 OR (604) 946-4226

TELE: 44-3838

MIN-EN Laboratories Ltd.
Specialists in Mineral Environments
708 WEST 12th STREET NORTH VICTORIA, B.C. CANADA V8R 1T2

PHONE: (604) 946-3844 OR (604) 946-4226

TELE: 44-3838

geochemical analysis certificate

COMPANY: NEVIN BADLIER-BROWN GOODBRAND
PROJECT: 248
ATTENTION: STUART CROFT

FILE: S-940R2/P1
DATE: DEC. 4/88.
TYPE: SOIL SEDIMENT

We hereby certify that the following are the results of the geochemical analysis made on 30 samples submitted.

SAMPLE NUMBER	AS PPM
BL-0+00	281
0+20N	308
0+50N	43
0+75N	104
1+00N	230
	40NEBH
1+20N	100
1+50N	123
1+75N	8
2+00N	228
2+20N	41
2+50N	5
2+75N	33
3+00N	3
3+20N	11
3+50N	22
3+75N	23
4+00N	20
4+20N	3
4+50N	4
4+75N	13
BL-5+00N	10
BL-0+00N	NO SAMPLE
0+20N	216
0+40N	365
0+60N	600
1+80N	370
1+00N	82
1+20N	324
1+40N	2000
BL-1+60N	63

Certified by

Certified by

MIN-EN Laboratories Ltd.
Specialists in Mineral Environments
708 WEST 12th STREET NORTH VICTORIA, B.C. CANADA V8R 1T2

PHONE: (604) 946-3844 OR (604) 946-4226

TELE: 44-3838

MIN-EN Laboratories Ltd.
Specialists in Mineral Environments
708 WEST 12th STREET NORTH VICTORIA, B.C. CANADA V8R 1T2

TELE: 44-3838

geochemical analysis certificate

COMPANY: NEVIN BADLIER-BROWN GOODBRAND
PROJECT: 248
ATTENTION: STUART CROFT

FILE: S-940R2/P4
DATE: DEC. 4/88.
TYPE: SOIL SEDIMENT

We hereby certify that the following are the results of the geochemical analysis made on 30 samples submitted.

SAMPLE NUMBER	AS PPM
L1+00N1+40N	900
1+40N	230
1+80N	124
2+00N	375
2+20N	17
2+40N	55
2+60N	30
2+80N	22
L1+50N1+00N	20
L1+50N0+00	NO SAMPLE
0+20N	27
0+40N	38
0+60N	32
0+80N	40
1+00N	43
1+20N	153
1+40N	24
1+60N	21
1+80N	38
2+00N	24
2+20N	21
2+40N	24
2+60N	29
2+80N	51
L1+50N3+00N	46
L2+00N0+00	NO SAMPLE
0+20N	32
0+40N	19
0+60N	40
L2+00N0+80N	22

Certified by

Certified by

MIN-EN Laboratories Ltd.
Specialists in Mineral Environments
7619 WEST 15A STREET NORTH VICTORIA, B.C. V8R6V1 112

FILE: 144198-244 II 144198-024

TEL: 44-3328

MIN-EN Laboratories Ltd.
Specialists in Mineral Environments
7619 WEST 15A STREET NORTH VICTORIA, B.C. V8R6V1 112

FILE: 144198-244 II 144198-024

TEL: 44-3328

GEOCHEMICAL ANALYSIS CERTIFICATE

COMPANY: NEVIN BADLIER-BROWN SOILGRAND
PROJECT: 244
ATTENTION: STUART CROFT

FILE: S-940R2/PB
DATE: DEC. 4/85.
TYPE: SOIL BEDDING

We hereby certify that the following are the results of the geochemical analysis made on 30 samples submitted.

SAMPLE NUMBER	AN
L3+0NO+60W	11
0+60W	13
1+60W	17
1+20W	19
1+40W	22
1+60W	19
1+80W	14
2+00W	13
2+20W	17
2+40W	22
2+60W	14
2+80W	46
L3+0ON3+00W	13
L3+5ON0+00	NO SAMPLE
0+20W	27
0+40W	NO SAMPLE
0+60W	18
0+80W	39
1+00W	23
1+20W	18
1+40W	25
1+60W	19
1+80W	13
2+00W	13
2+20W	11
2+40W	14
2+60W	13
2+80W	44
L3+5ON3+00W	35
L4+0ON0+00	NO SAMPLE

Certified by

Certified by

MIN-EN Laboratories Ltd.
Specialists in Mineral Environments
7619 WEST 15A STREET NORTH VICTORIA, B.C. V8R6V1 112

FILE: 144198-244 II 144198-024

TEL: 44-3328

MIN-EN Laboratories Ltd.
Specialists in Mineral Environments
7619 WEST 15A STREET NORTH VICTORIA, B.C. V8R6V1 112

FILE: 144198-244 II 144198-024

TEL: 44-3328

GEOCHEMICAL ANALYSIS CERTIFICATE

COMPANY: NEVIN BADLIER-BROWN SOILGRAND
PROJECT: 244
ATTENTION: STUART CROFT

FILE: S-940R2/PB
DATE: DEC. 4/85.
TYPE: SOIL BEDDING

We hereby certify that the following are the results of the geochemical analysis made on 30 samples submitted.

SAMPLE NUMBER	AN
L4+5ON 3+00W	12
L5+0ON 0+00	NO SAMPLE
0+20W	10
0+40W	22
0+60W	16
0+80W	19
1+00W	16
1+20W	9
1+40W	8
1+60W	5
1+80W	13
2+00W	11
2+20W	19
2+40W	14
2+60W	14
2+80W	19
3+00W	14
0+0ON 0+20E	1500
0+0OE	1380
0+40E	2400
0+80E	1490
1+00E	400
1+20E	400
1+40E	740
1+60E	13000
1+80E	410
2+00E	410
2+20E	242
2+40E	321
0+0CH 2+60E	319

Certified by

Certified by

ANALYTICAL RESULTS - ROCK

MIN-EN Laboratories Ltd.
Specialists in Mineral Environments
760 8TH AV STREET NORTH VICTORIA, BC, CANADA V8R 1T2

FILE: 144190-261 D 641-100-021

REC'D: 04-20-88

CERTIFICATE OF ASSAY

COMPANY: KEVIN BAILIER BROWN BODDINGAN
PROJECT: 248
ATTENTION: T. BAILIER-BROWN

I hereby certify that the following are assay results for samples submitted.

SAMPLE	AU	AU
NUMBER	G/TONNE	OZ/TON
BS-JB-10	.01	0.001
BS-JB-19	.01	0.001
BS-JB-2	.01	0.001
BS-JB-4	.01	0.001
4400	.01	0.001

MIN-EN Laboratories Ltd.
Specialists in Mineral Environments
760 8TH AV STREET NORTH VICTORIA, BC, CANADA V8R 1T2

FILE: 144190-261 D 641-100-021

REC'D: 04-20-88

CERTIFICATE OF ASSAY

COMPANY: KEVIN BAILIER BROWN BODDINGAN
PROJECT: 248
ATTENTION: J.N. BRITTON

I hereby certify that the following are assay results for samples submitted.

SAMPLE	AU	AU
NUMBER	G/TONNE	OZ/TON
BSJB13	1.45	0.048

MIN-EN Laboratories Ltd.
Specialists in Mineral Environments
760 8TH AV STREET NORTH VICTORIA, BC, CANADA V8R 1T2

FILE: 144190-261 D 641-100-021

REC'D: 04-20-88

CERTIFICATE OF ASSAY

COMPANY: KEVIN BAILIER BROWN BODDINGAN
PROJECT:
ATTENTION: T. BAILIER-BROWN

I hereby certify that the following are assay results for samples submitted.

SAMPLE	AU	AU
NUMBER	G/TONNE	OZ/TON
BS-JB-5	.11	0.003
BS-JB-6	.24	0.008
BS-JB-7	.01	0.001
BS-JB-8A	.30	0.009
BS-JB-8B	.27	0.008
BS-JB-9A	.04	0.001
BS-JB-9B	.33	0.010
BS-JB-12	.11	0.003
4400	.10	0.004

MIN-EN Laboratories Ltd.
Specialists in Mineral Environments
760 8TH AV STREET NORTH VICTORIA, BC, CANADA V8R 1T2

FILE: 144190-261 D 641-100-021

REC'D: 04-20-88

GEOPHICAL ANALYSIS CERTIFICATE

COMPANY: KEVIN BAILIER BROWN BODDINGAN
PROJECT: 248
ATTENTION: J.N. BRITTON

I hereby certify that the following are the results of the geochemical analysis made on 14 samples submitted.

SAMPLE	AU
NUMBER	PPM
BSJB-14A	3
14B	1
20A	10
20B	00
23	5
24	20
25	75
BSJB-26	30
BSPF-1	5
2	10
BSPF-3	5
BSJB-RC1	9
RC2	9
BSJB-RC3	5

MIN-EN Laboratories Ltd.
Specialists in Mineral Environments
760 8TH AV STREET NORTH VICTORIA, BC, CANADA V8R 1T2

FILE: 144190-261 D 641-100-021

REC'D: 04-20-88

CERTIFICATE OF ASSAY

COMPANY: KEVIN BAILIER BROWN BODDINGAN
PROJECT: 248
ATTENTION: J.N. BRITTON

I hereby certify that the following are assay results for samples submitted.

SAMPLE	AU	AU
NUMBER	G/TONNE	OZ/TON
BSJB-20B	.06	0.002
BSJB-24	.03	0.001
BSJB-25	.14	0.004
BSJB-26	.03	0.001

MIN-EN Laboratories Ltd.
Specialists in Mineral Environments
760 8TH AV STREET NORTH VICTORIA, BC, CANADA V8R 1T2

FILE: 144190-261 D 641-100-021

REC'D: 04-20-88

CERTIFICATE OF ASSAY

COMPANY: KEVIN BAILIER BROWN BODDINGAN
PROJECT: 248
ATTENTION: J.N. BRITTON

I hereby certify that the following are assay results for samples submitted.

SAMPLE	AB	AB	AU	AU
NUMBER	G/TONNE	OZ/TON	G/TONNE	OZ/TON
BS-JB-27A	0.5	0.01	.41	0.012
BS-JB-27B	0.4	0.01	.02	0.001
BS-JB-28	0.1	0.01	.02	0.001
BS-JB-29	0.3	0.01	.03	0.001
BS-JB-30A	0.4	0.01	.01	0.001
BS-JB-30B	0.3	0.01	.02	0.001
BS-JB-31	0.2	0.01	.04	0.002
BS-JB-32	0.6	0.02	.01	0.001
BS-JB-34	4.3	0.13	.20	0.006
EVA-10	1670.0	54.94	42.20	1.814

MIN-EN Laboratories Ltd.
Specialists in Mineral Environments
760 8TH AV STREET NORTH VICTORIA, BC, CANADA V8R 1T2

FILE: 144190-261 D 641-100-021

REC'D: 04-20-88

GEOPHICAL ANALYSIS CERTIFICATE

COMPANY: KEVIN BAILIER BROWN BODDINGAN
PROJECT: 248
ATTENTION: J.N. BRITTON

I hereby certify that the following are the results of the geochemical analysis made on 3 samples submitted.

SAMPLE	AB	AB
NUMBER	PPM	PPM
BS-JB-25	14	94

Certified by 
MIN-EN LABORATORIES LTD.

MIN-EN Laboratories Ltd.
Specialists in Mineral Environments
70 KEE 15A STREET NORTH WINNIPEG, MB. CANADA **V2N 1T2**

FILE# 1441-100-201 D 1441-100-201

RECEIVED 1441-100-201 D 1441-100-201

geochemical analysis certificate

COMPANY: KEVIN BAILIER BROWN GOODRICH
PROJECT: 268
ATTENTION: J.W. BRITTON

FILE: S-644/P2
DATE: SEPT. 23/88.
TYPE: ROCK GEOCHEM

We hereby certify that the following are the results of the geochemical analysis made on 12 samples submitted.

SAMPLE NUMBER	AS PPM	SR PPM
85-JB-27A	11	108
27B	1	17
29	5	13
29	16	3
30A	18	2
30B	550	3
31	5	4
32	4000	7
85-JB-34	640	204
EVA-10	145000	40000
85-JB-33	NO SAMPLE	
EVA-10/18	NO SAMPLE	

Certified by

MIN-EN Laboratories Ltd.
Specialists in Mineral Environments
70 KEE 15A STREET NORTH WINNIPEG, MB. CANADA **V2N 1T2**

FILE# 1441-100-201 D 1441-100-201

RECEIVED 1441-100-201 D 1441-100-201

geochemical analysis certificate

COMPANY: KEVIN BAILIER BROWN GOODRICH
PROJECT: 268
ATTENTION:

FILE: S-637
DATE: OCT. 25/88.
TYPE: ROCK ASSEMBLY

We hereby certify that the following are the results of the geochemical analysis made on 4 samples submitted.

SAMPLE NUMBER	AS PPM	SR PPM
85-JB-34	32	9
35	8	3
36	4	4
85-JB-37	6	7

MIN-EN Laboratories Ltd.
Specialists in Mineral Environments
70 KEE 15A STREET NORTH WINNIPEG, MB. CANADA **V2N 1T2**

FILE# 1441-100-201 D 1441-100-201

RECEIVED 1441-100-201 D 1441-100-201

geochemical analysis certificate

COMPANY: KEVIN BAILIER BROWN GOODRICH
PROJECT: 268
ATTENTION:

FILE: S-637
DATE: OCT. 25/88.
TYPE: ROCK ASSEMBLY

We hereby certify that the following are the results of the geochemical analysis made on 4 samples submitted.

SAMPLE NUMBER	AS G/TONNE	SR G/TONNE	AU G/TONNE	AU G/TONNE
85-JB-34	0.2	0.01	.01	0.001
85-JB-35	0.2	0.01	.01	0.001
85-JB-36	0.2	0.01	.01	0.001
85-JB-37	0.1	0.01	.01	0.001

Certified by

Certified by

MIN-EN Laboratories Ltd.
Specialists in Mineral Environments
795 WEST 15TH STREET NORTH VICTORIA, B.C. CANADA V7N 1T2

PHONE: (604) 988-5814 OR (604) 988-4524

RECEIVED NOV - 5 1985

TELE: 44-352828

CERTIFICATE OF ASSAY

COMPANY: NEVIN BADLIER-BROWNE GOODBRAND
PROJECT: 268
ATTENTION: STUART CROFT

FILE: 5-867
DATE: NOV. 4/85.
TYPE: ROCK ASSAY

We hereby certify that the following are assay results for samples submitted.

SAMPLE NUMBER	AU B/TONNE	AU DZ/TON
SC85-001	2.84	0.083
SC85-005A	4.78	0.139
SC85-005B	1.75	0.051

COMPANY: NEVIN BADLIER-BROWNE GOODBRAND
PROJECT NO: 268
ATTENTION: STUART CROFT
RIN-EN LABS ICP REPORT
795 WEST 15TH ST., NORTH VICTORIA, B.C. V7N 1T2
(604) 988-5814 OR (604) 988-4524
FILE NO: 5-867
TYPE: ROCK READER 4 DATE: NOV 4, 1985
(ACT: GEO27) PAGE 1 OF 1

(VALUES IN PPM)	Al	Cr	Pb	Sn	Zn	Al-Pb
SC85-001	1.5	9	24	4167	11	2700
SC85-002	.9	13	24	42	20	43
SC85-003	3.7	310	21	169	67	475
SC85-004A	.7	16	15	25	13	8
SC85-004B	.0	26	14	17	22	750
SC85-004C	1.1	55	34	41	58	7
SC85-004D	1.1	42	29	27	44	5
SC85-005A	.9	27	38	8612	58	4500
SC85-005B	.9	11	23	2278	46	1420
SC85-006	1.1	11	38	60	44	62

Certified by

MIN-EN LABORATORIES LTD.

MIN-EN Laboratories Ltd.

Specialists in Mineral Environments

705 WEST 15TH STREET NORTH VANCOUVER, B.C. CANADA V7N 1T2

RECEIVED NOV 18 1985

PHONE: (604) 980-5814 OR (604) 988-4524

TELE: 04-352828

GEOCHEMICAL ANALYSIS CERTIFICATE

COMPANY: NEVIN SADLIER-BROWN GOODBRAND

FILE: 5-867R

PROJECT: 268

DATE: NOV. 15/85.

ATTENTION: STUART CROFT

TYPE: PULP GEOCHEM

We hereby certify that the following are the results of the geochemical analysis made on 3 samples submitted.

SAMPLE NUMBER	AS PPM
SCB5 1001	2400
005A	7000
SCB5 005B	3600

MIN-EN Laboratories Ltd.

Specialists in Mineral Environments

705 WEST 15TH STREET NORTH VANCOUVER, B.C. CANADA V7N 1T2

PHONE: (604) 980-5814 OR (604) 988-4524

TELE: 04-352828

GEOCHEMICAL ANALYSIS CERTIFICATE

COMPANY: HILLSIDE ENERGY LTD.

FILE: 5-850

PROJECT: 248

DATE: OCT. 26/85.

ATTENTION: T.L.SADLIER-BROWN

TYPE: ROCK GEOCHEM

We hereby certify that the following are the results of the geochemical analysis made on 3 samples submitted.

SAMPLE NUMBER	AU PPM
RLS-SRL-14-2+00	5
RLS-SRL-14-2+50	5
RLS-SRL-14-3+00	5

Certified by

Certified by

