84-#67 – 12642

GEOLOGICAL REPORT AND WORK PROPOSAL

ON THE

VALENTINE MOUNTAIN PROPERTY

Blaze, Bo, Peg, Bpex, PC, Lustie, Jordan

FOR

BEAU PRE EXPLORATIONS LTD.

N.T.S. 92B/12W

48° 31′ 123° 54′

VICTORIA M.D.

GEOLOGICAL BRANCH
ASSESSMENT REPORT

12,642

BY

EDWARD W. GROVE, Ph.D., P.Eng.

FEBRUARY 28, 1984

E. W. Grove Consultants Ltd.

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SUMMARY

Beau Pre Exploration Ltd.'s Valentine Mountain property includes 38 staked mineral claims comprising 308 units and 10 placer leases. The area is located about 42 kilometers west of Victoria and is accessible from Sooke by a number of well maintained logging roads. Because of the proximity to the ocean the area has a mild climate allowing field work during most of the year.

Since 1981 exploration work on the property has concentrated on the 'Discovery' Zone located on the gently sloping east ridge of Valentine Mountain where a large number of sub-parallel, en echelon gold-quartz veins found within an area 300 meters wide by 2000 meters long have been mapped, sampled, and drilled.

Two veins, the '36' and 'A', have been trenched and have yielded 'museum' quality free gold in quartz. Assay results on the '36' vein have shown a gold content as high as 34.950 ounces/ton across 17 centimeters. Recent bulk sample shipments of material from this vein to the Cominco smelter gave reported values of 4.82 ounces/ton gold in fines and 18.44 ounces gold/ton in a coarse, quartz rich sample.

Diamond core drilling along the Discovery Zone has shown the continuity of the indicated gold-quartz veins over lengths of at least 60 meters and over depths of at least 90 meters. Drilling also disclosed a large number of en echelon quartz veins in which free gold as specks was observed and one intersection south of the '36' vein assayed 7.55 ounces gold/ton.

Figure 1
LOCATION MAP

Geological studies to date suggest that the gold-quartz veins in the Discovery Zone represent high temperature hypothermal ore deposits deposited in a high grade metamorphic environment as a result of late Tertiary igneous activity. The lodes are localized within thin, complexly intercalated metasediments above and below layers of altered volcanic rocks. This type of deposit and mineral control compares favorably to gold producing areas in Nova Scotia, Ontario, India and other areas where world-class gold mines have operated for many years.

A program to trench, and bulk sample the Discovery Zone area, to test the volcanic horizons for new deposits by prospecting, soil sampling, and trenching is recommended. A second phase diamond core drilling to test new significant gold bearing zones is included in the work program which is estimated to cost about $270,000.

INTRODUCTION

The discovery of placer gold west of Victoria in the Leech River in 1864 led to a major rush in the area which lasted only a few years. Subsequently many of the streams flowing across the rock unit known as the "Leech River Schists" have been panned and shown to contain fine gold or "colours". These streams include at least two thirds of all the known gold placer deposits on Vancouver Island and crudely outline a unique geologic environment.

It was not until 1976 that significant native gold was found in place in narrow quartz veins within the Leech River Block on Valentine Mountain, about 42 kilometers west

of Victoria. Subsequently a detailed stream silt survey accompanied by detailed prospecting during 1981 revealed a large number of gold bearing quartz veins localized within an area about 2000 meters long (E-W) and from 200 to 300 meters wide on the upper east slope of Valentine Mountain. Although there have been a variety of geological surveys and studies in the area it was obvious that the real geology of the Leech River rocks was far more complex than assumed, particularly in the Valentine Mountain area.

Lode gold deposits found at Valentine Mountain since 1976 and more recently at the OX property south of the San Juan River in 1980 and at the RENA property on Loss Creek have increased exploration interest in what is still a relatively poorly known and virtually unexplored area.

Mineral exploration in this area which lies within the west end of the Leech River metamorphic complex has been basically limited to the main highway and older well developed logging roads and largely concentrated on copper deposits. Recent work by prospectors has shown the area is geologically more complex than suspected and that several types of gold deposits can be expected. Until recently all of the placer gold found in streams on the southern part of Vancouver Island were judged to be derived from reworked glacial deposits. The discover of free gold in quartz veins within the Leech River complex from Sooke to Port Renfrew refutes this outdated concept.

Prospecting, sampling, trenching, and diamond core drilling on the Discovery Zone on Valentine Mountain since 1981 have proved conclusively the presence of free gold in narrow, en echelon, sub-parallel quartz veins over an area

Scale: 6 Miles to 1 Inch

Figure 2
GEOGRAPHY AND ACCESS

2000 meters long, 300 meters wide, and over a depth range of more than 300 meters.

As a result of the writer's work in the area a geological model relating stratigraphy, metamorphism, deformation, igneous activity, alteration and gold mineralization has been constructed. This model compares favorably with concepts in major gold camps in other parts of the world and leads to further prospecting and exploration on the Valentine Mountain property.

The writer has been active in the area for a number of years and worked on the property as recently as early February 1984.

This report was written at the direction of Mr. Robert Beaupre, President, Beau Pre Explorations Ltd.

LOCATION AND ACCESS

Beau Pre Explorations Ltd. owns a contiguous block of mineral claims extending from the west end of Jordan Reservoir to the West Leech River and in addition holds placer leases on both Jordan River and Valentine Creek. The main claim block covers Valentine Mountain located about 19 kilometers north of Sooke, and about 42 kilometers west of Victoria in the southern portion of the Insular Mountain Range (Figure 1).

Access to the claims is by a good all weather gravel road from Sooke (Figure 2). Logging operations which are still in progress have left a good road network which

provides easy entry to the various claims as well as to the general area. During active logging main road access is restricted in the period 0700 hours to 1700 hours. Other minor limitations have arisen because of snow, washouts from heavy rain, and from fire closures. Because of the good access and the mild climate, field work can be carried out in this area most of the year.

GEOGRAPHY AND CLIMATE

The Leech River Block is included within the Vancouver Island Mountains of the Insular Mountains. This landscape is the result of mature dissection of a former Tertiary erosion surface of relatively low relief now expressed as monadnock-like plateaus south of the San Juan River. Fault controlled valleys and fault-line scarps such as the San Juan and Leech rivers, and Loss Creek are conspicuous features of southern Vancouver Island. Pleistocene glaciation modified this topography below about 1200 meters particularly along the structurally controlled valleys.

The east-west trending Leech River Block is largely drained by the westerly flowing, fault controlled San Juan and Leech river systems, and the lesser southerly flowing antecedent Jordan and Sooke rivers. The height of land within the block called San Juan Ridge gives rise to numerous small, steep, consequent streams which feed the major rivers.

Glaciation and recent consequent stream development have deeply incised the ridge with cirques well developed on

the north side and deep sharp gullies on the south. Stream flows are erratic, depending on the snow and rain which is generally heavy during the short winter. Because of the location the climate is relatively mild and work can generally proceed for 8 to 10 months of the year.

The glacial and recent morphological development of the area has not been studied in detail but appears to involve several repeated glacial events of both areal and local origin. Roches moutonnee indicate an early major ice advance westerly across the area while large erratic boulders of Island origin indicate a later southwards push of till across the southern part of the Island. More recently downslope creep and isolated slides have contributed to erosion and landscape evolution. Most of the area is covered by a dense relatively mature coniferous forest.

Interest in the Leech River was first generated by the finding of placer gold which is now known to occur in most of the streams flowing southerly across the block into or across the Leech River fault zone. Panning of the streams in the Valentine Mountain area has produced concentrates with minerals representative of the local rocks, gold attached to quartz fragments and free fly-speck to rice grain sized gold. So far it appears that little of this gold is related to the glacial materials but comes from locally derived eluvial materials which have their greatest concentration in sediments deposited near or in the Leech River zone.

The climate in the vicinity of Valentine Mountain is fairly typical of the inland portion of southern

Vancouver Island. Heavy precipitation takes place mainly during the period November through February with snow at the higher elevations. The rest of the year varies from hot and dry in spring and summer to cool and moist at any time. Generally, the area is drier and sunnier than nearby seaside Sooke.

PROPERTY

The staked mineral claims owned by Beau Pre Explorations Ltd. form one large block of contiguous claims centered on Valentine Mountain and mainly lying north of the Loss Creek - Leech River lineament. The PC 1 to 5 claims which form part of the holdings north of Valentine Mountain appear to overstake other claims and are currently only partly active. Together the 38 staked mineral claims comprise 308 units (Figure 3):

NAME	UNITS	RECORD NO	EXPIRY DATE
BLAZE 1	1	47	JUNE 21, 1988
BLAZE 2	2	53	JULY 12, 1988
BLAZE 3	12	124	OCTOBER 3, 1988
BLAZE 4	3	370	MAY 26, 1988
BO# 1	1	188	SEPTEMBER 14, 1988
BO 2	1	189	SEPTEMBER 18, 1988
BO 3	1	190	SEPTEMBER 18, 1988
BO 4	1	191	SEPTEMBER 18, 1988
BO 6	1	278	SEPTEMBER 17, 1988
PEG 1	1	77	FEBRUARY 23, 1988
PEG 2	1	90	MAY 24, 1988
PEG 3	1	91	MAY 24, 1988

NTS 92/12W

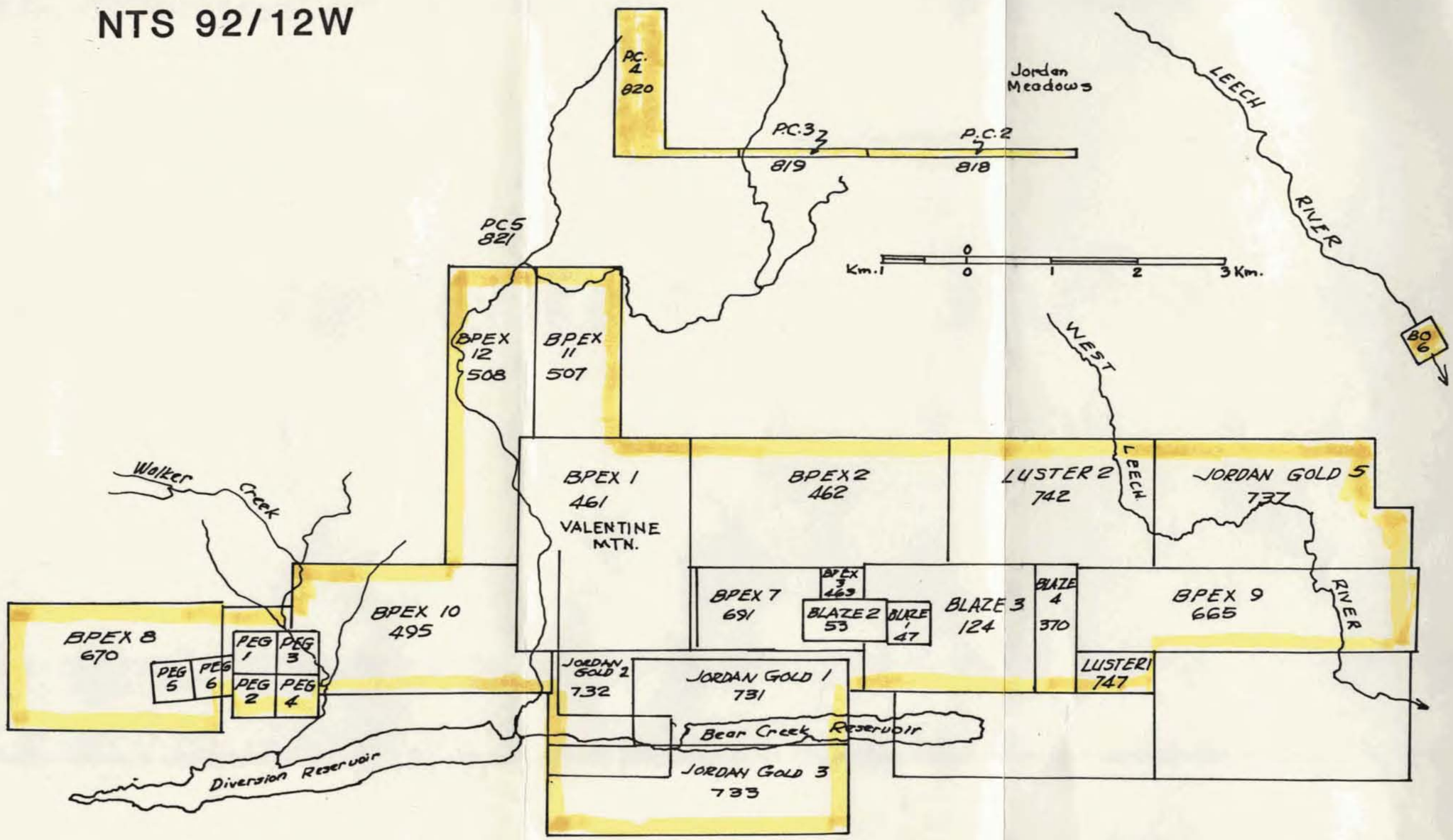


Figure 3 MINERAL CLAIM MAP

NAME	UNITS	RECORD NO	EXPIRY DATE
PEG 4	1	92	MAY 24, 1988
PEG 5	1	144	MARCH 20, 1988
PEG 6	1	145	MARCH 20, 1988
BPEX 1	20	461	FEBRUARY 6, 1988
BPEX 2	18	462	FEBRUARY 6, 1988
BPEX 3	1	463	FEBRUARY 6, 1988
BPEX 4	3	492	MARCH 6, 1988
BPEX 5	1	493	MARCH 6, 1988
BPEX 6	1	494	MARCH 6, 1988
BPEX 10	18	495	MARCH 6, 1988
BPEX 11	14	507	APRIL 2, 1988
BPEX 12	8	508	APRIL 2, 1988
BPEX 7	8	591	OCTOBER 5, 1988
BPEX 8	15	670	SEPTEMBER 21, 1988
BPEX 9	16	665	SEPTEMBER 14, 1988
PC 1	8	817	APRIL 7, 1984
PC 2	18	818	APRIL 7, 1984
PC 3	18	819	APRIL 7, 1984
PC 4	18	820	APRIL 7, 1984
PC 5	18	821	APRIL 7, 1984
LUSTRE 1	2	747	JANUARY 31, 1985
LUSTRE 2	18	742	JANUARY 19, 1985
JORDAN GOLD 1	10	731	DECEMBER 24, 1984
JORDAN GOLD 2	14	732	DECEMBER 24, 1984
JORDAN GOLD 3	14	733	DECEMBER 24, 1984
JORDAN GOLD 5	18	737	JANUARY 11, 1985
	308		

Beau Pre Explorations Ltd. also owns ten placer leases on the Jordan River and Valentine Creek (Figure 4).

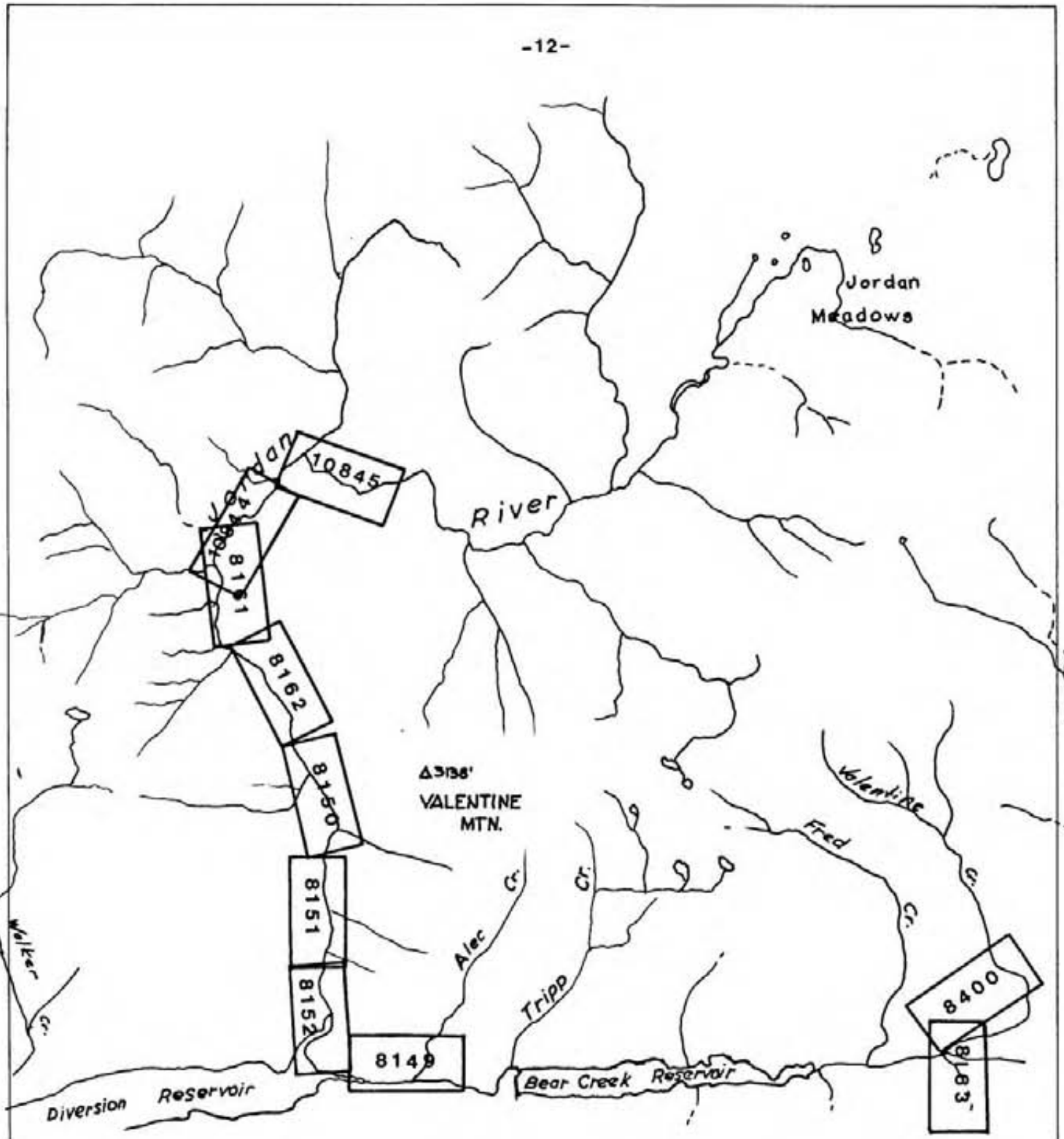


Figure 4 PLACER LEASE MAP

PLACER LEASE NO	ASSESSED TO
8149	DECEMBER 31, 1984
8150	DECEMBER 31, 1984
8151	DECEMBER 31, 1984
8152	DECEMBER 31, 1984
8161	DECEMBER 31, 1984
8162	DECEMBER 31, 1984
8163	DECEMBER 31, 1984
8400	DECEMBER 31, 1984
10844	AUGUST 3, 1984
10845	AUGUST 3, 1984

HISTORY

The Victoria area experienced a minor gold rush in 1864 after the announcement by Lieutenant Peter Leech that he had found gold on one of the forks of the Sooke River about 10 miles from the sea. A tent city and camp soon mushroomed in the wilderness to as many as 4,000 people located at the junction of the Leech and Sooke rivers about an hour drive from Victoria. Within one year an estimated $100,000 in placer gold was recovered with nuggets of from ½ to 1 ounce reported. By 1865 the rush had faded and current estimates place the total value of placer gold recovered from the field at from $100,000 to $200,000. Like many placer areas the mystique of placer gold and the possibility of finding the source has attracted prospectors to the area.

In 1966 while logging on the upper east slope of Valentine Mountain, Fred Zorelli noted a metallic glint as a tractor kicked up a loose rock. He examined the float and

recognized free gold. He later mentioned the find to Robert Beaupre and partner Alec Low who were prospecting the area. Their subsequent detailed prospecting led to the discovery in 1976 of the 'A' vein, a narrow quartz vein with visible bright yellow gold similar to the placer gold recovered from local creeks. Subsequent work was concentrated on the 'A' vein and included trenching, bulk sampling, and soil sampling.

Since 1980 when the writer examined the property and determined the nature and structure of the mineralization a total of 85 gold bearing veins have been discovered in an east-west trending zone about 300 meters wide by 2000 long. Drilling has also shown the continuity at depth of the vein systems over a depth of at least 125 meters.

In 1980 another free gold in quartz discovery was made by prospector Ted Archibald at the OX property located east of Port Renfrew on the south side of the San Juan River. Previous work on this property has shown significant gold values in arsenopyrite- bearing dioritic dikes. In 1983 an auriferous quartz vein - quartz stockwork system was discovered by geochemical surveys west of Valentine Mountain near the head of Loss Creek on the RENA property.

Property examinations were made and reported on by T.E. Lisle, P.Eng, (Jan. 31, 1980; May 20, 1980) and by G.A. Noel, P.Eng. (Dec. 1, 1980) for Beau Pre Explorations Ltd. The detailed stream silt survey and prospecting on Valentine Mountain, recommended by G.A. Noel and Associates, was carried out in early 1981 by Beau Pre Explorations Ltd. and contractors under the direction of the writer. Three areas with anomalous coincident gold and arsenic were recognized

(Grove, 1981). One area, on the open, accessible upper east slope including the 'A' vein, was chosen for detailed prospecting and sampling. As a result an east-west trending zone about 2000 meters long by 200-300 meters wide was found to contain a large number of narrow, gold bearing quartz veins. The fact that these veins occur within a fairly limited fracture system suggested the need for detailed knowledge regarding geological controls.

Work on the Valentine Mountain property through 1982 and 1983 concentrated on the Discovery Zone area. In 1982 the work was directed by Mr. R. Beaupre and Mr. Tony Bruce; and in 1983 by Mr. R. Beaupre and Mr. Malcolm Hurd. This work included clearing and washing down rock outcrop over a length of about 350 feet (107 m) to expose the '36' and sub-parallel veins, 140 feet (43 m) of trenching and sampling on the '36' vein, bulk sampling for smelter tests, and drilling 13 core holes with a total length of 5,482 feet (1671 m). In addition portions of the claim block west of Jordan River, along the crest of Valentine Mountain and east of Valentine Creek were mapped geologically to give an almost complete map of the property. During the course of this geological work in 1983 two new areas with significant gold bearing quartz veins were discovered on the east side of Jordan River, and near the West Leech River.

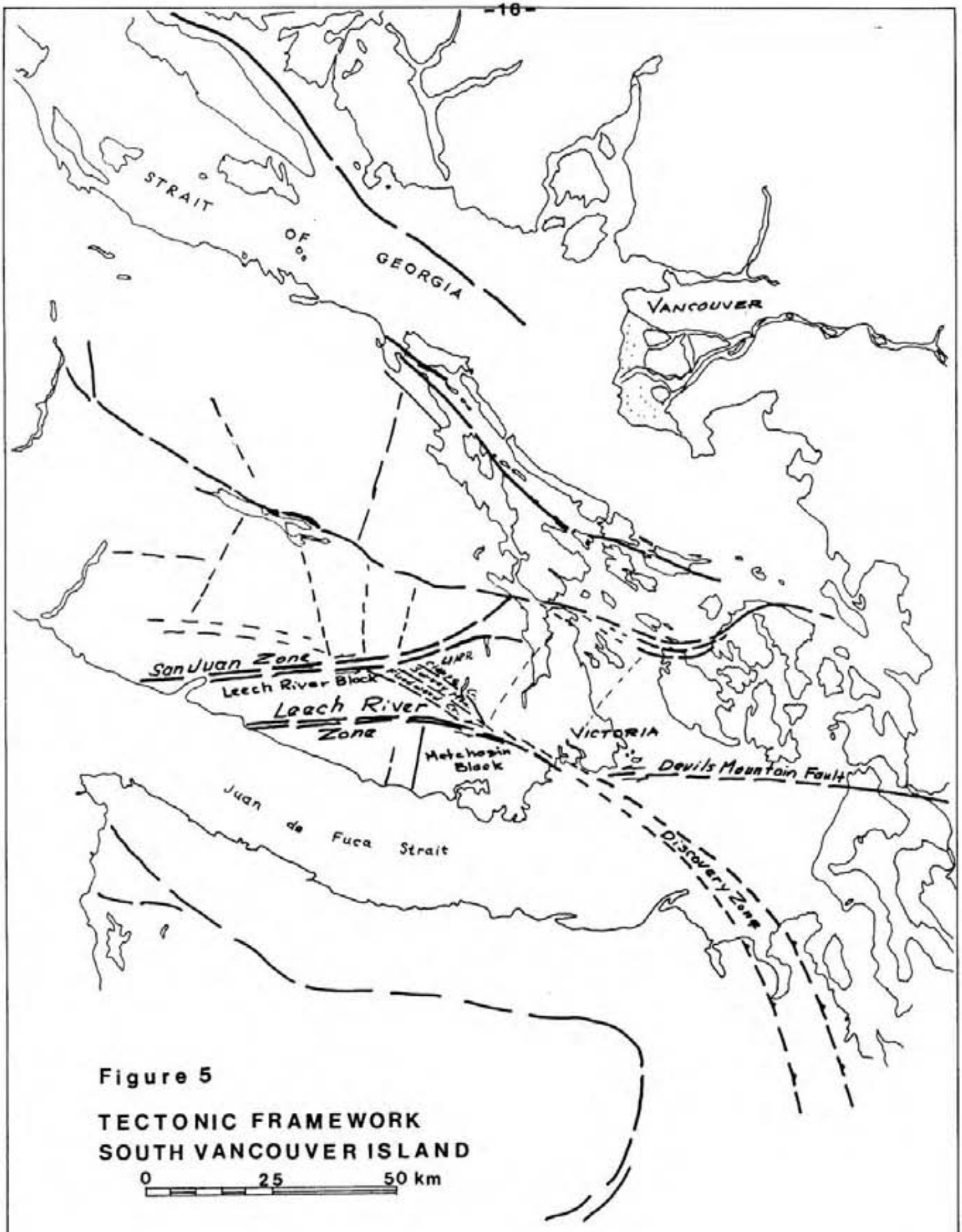
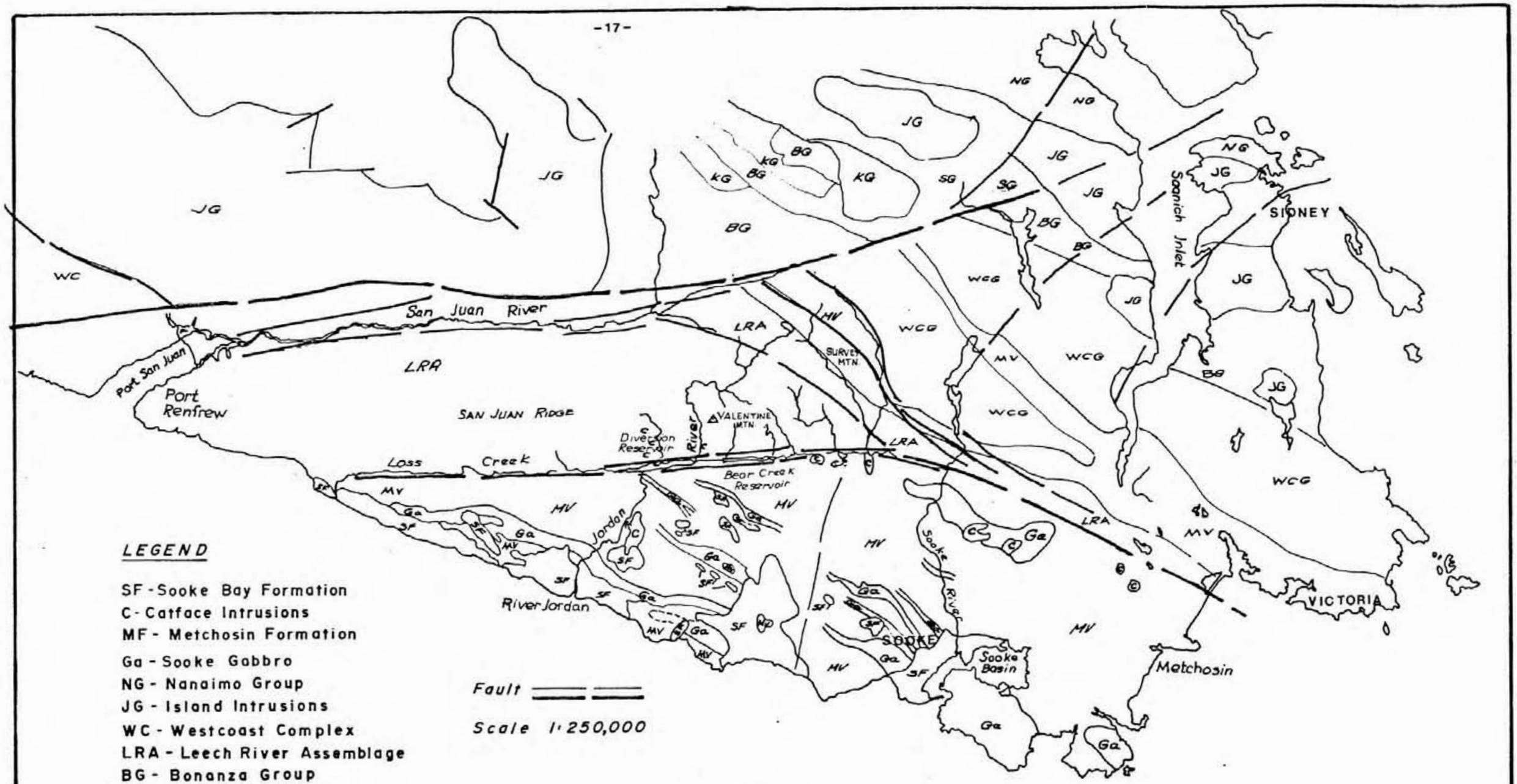


Figure 5

TECTONIC FRAMEWORK
SOUTH VANCOUVER ISLAND



LEGEND

SF - Sooke Bay Formation
C - Catface Intrusions
MF - Metchosin Formation
Ga - Sooke Gabbro
NG - Nanaimo Group
JG - Island Intrusions
WC - Westcoast Complex
LRA - Leech River Assemblage
BG - Bonanza Group
KV - Karmutsen Group
SG - Sicker Group
MV - Malahat Volcanics
WCG - Wark & Colquitz Gneiss

Fault ═══

Scale 1:250,000

(adapted from Clapp, Carson, Fairchild, Muller)

Figure 6

GENERAL GEOLOGY
SOUTH VANCOUVER ISLAND

GEOLOGY

INTRODUCTION

Until recently the general geology of the Leech River Block was known best from reports by Clapp (1913) and and Muller (1975) and limited details only from published thesis work by Fairchild (1979). The discovery of lode gold by Beau Pre Explorations Ltd. in 1976 has attracted prospectors and small exploration groups into the area with the result that the general and detailed geology of the area is developing rapidly at least among the select group of local workers.

The Leech River Block which includes the Valentine Mountain area is a discrete geotectonic unit separated along the northerly edge by the San Juan fault zone from Lower Jurassic Bonanza volcanic rocks. The southerly edge of the Leech River Block is separated from Eocene Metchosin Group volcanic rocks by the Leech River fault zone. Relationships along the easterly edge of the Leech River Block with the Lower Paleozoic (?) Wark diorite and Colquitz gneiss are less certain but suggest a fault contact (Figure 5) named the Cragg Creek fault by Fairchild (1979). The area outlined by these strong shear zones is a narrow east-west trending crustal block extending from Port Renfrew on the west coast of Vancouver Island to Langford, near Victoria, on the east coast. The block has an overall length of about 75 kilometers and a width of about 7 to 12 kilometers in the west half, narrowing to less than 2 kilometers southeast of Survey Mountain.

Although fault bound and easily accessible, the age

of the Leech River country rocks has been of concern and consternation for many years (Dawson, 1876, p. 102; Clapp, 1912, p. 43; Müller, 1975, p. 24). The country rocks (so-called Leech River Schists) have suffered deformation, metamorphism, and intrusion and have not yet yielded discernable fossils. Various correlations to known units have been made on the basis of apparent similarities, but the lack of detailed geology makes these attempts as fraught with error as they would be in any Precambrian metamorphic terrain. The only rock age dates available indicate that deformation and metamorphism were probably complete by 40 my B.P.. As Fairchild (op cit) has suggested, the Leech River Block may be allochthonous, and may have been introduced into the modern framework from the west or southwest.

The main problem regarding the resolution of the many problems involving the Leech River and the flanking terrains is still the lack of overall detailed work and the continued tendancy to accept outdated concepts as truths. This particularly applies to mineral deposits, and gold lode deposits per se.

GENERAL GEOLOGY

In the general Valentine Mountain area the Leech River lithology includes a variety of metamorphosed and deformed units mainly comprising amphibolite, metasandstone, biotite- garnet-staurolite-andalusite-quartz-feldspar schists, leucocratic granitic plutons, and phyllites derived from any of the preceding by retrograde metamorphism along shear zones (Figure 6). Of less extent but of economic consideration are various pegmatites and quartz veins.

Rock structure in the Leech River Formation was generally ignored until Fairchild's thesis work (1979) in the Leech River area. This study indicated that the assemblage east of Walker Creek forms a gently east plunging antiform truncated north and south respectively by the San Juan and Leech River shear zones. He also introduced some complex refolding to explain the appearance of volcanic (amphibolite) units at several places. Ongoing studies by the writer have confirmed the major east plunging antiform (anticline) but have shown that the various amphibolite occurrences represent discrete members within the same sequence rather than refolded or repeated units. Because of their unique composition, striking aspect and coloration, and relative competancy the amphibolites have been used as crude marker horizons to outline both major and minor structures within the pile. More importantly the amphibolites on Valentine Mountain appear to have played a part in the localization of gold-quartz veins.

Several leucocratic granitic plutons are well exposed in the Jordan River cut and to the west in the Walker Creek and Loss Creek areas. These units have intruded the country rocks as east-west trending, sill-like (or dike) masses and appear to plunge easterly at a relatively low angle to the east. Rock ages on these plutons (?), reported by Wanless et al (1978), range from 38.2 to 40.0 Ma and thus have been correlated with the Tertiary Catface Intrusions prominent along the west coast of Vancouver Island (Muller et al, 1981).

Shear zones are conspicuous features forming both the boundaries of the Leech River Block, and east-west to southeasterly trending linears within the block. Retrograde

metamorphism related to the shear motion has produced a variety of phyllitic rocks with schistose, slaty, and flaggy habits. These shears are commonly marked by oxidation and differential weathering. It has been noted throughout the general area that where these shears have intersected quartz veins and vein systems the vein material has been preferentially shattered and commonly liberated from the country rock. As a result quartz float can be easily traced to the veins. It seems likely that this is the most significant mechanism which has released free gold from the veins to be concentrated in the soils and then by local streams. Garnet, magnetite and other heavy minerals have responded to the same processes.

AMPHIBOLITE

Detailed mapping has shown that amphibolite units of varying thickness and of considerable lateral extent are intercalated within the local metasedimentary sequence from west of Walker Creek to east of Weeks Lake. Volcanic units first recognized by Clapp (1917) near Survey Mountain were named the Malahat Volcanics and considered to overlie the Leech River Schists with transitional relationships. Muller (1975) interpreted this unit as a Bonanza equivalent and placed it stratigraphically below Leech River units. Fairchild (1979) studied the Survey Mountain area in much more detail and showed that Clapp was correct. Recent studies by the writer have revealed that there are many more 'volcanic' units within the Leech River Block and that some of these amphibolites can be seen along the Walker Creek roads, both sides of the Jordan River, and roads on the north slope of Valentine Mountain, Alec Creek, Tripp Creek, Fred Creek, Valentine Creek and Loss Creek roads. So far it

appears that these amphibolites attain ther maximum thickness in the Walker Creek - Jordan River area, but this may only be a function of access and lack of detailed work to the west.

The amphibolite units are conspicuous because of their color, contorted inch-scale banding and mineralogy. The weathered surfaces are usually a brilliant green and display marked differential weathering. The general aspect is comparable to thinly intercalated porphyritic basalt and crystal tuff with occasional flattened volcanic bombs. These rocks are generally magnetite-rich with moderate pyrite and some chalcopyrite. One amphibolite unit near the gold-quartz vein on Valentine Mountain contains abundant coarse grained tourmaline in addition to magnetite and pyrite. Portions of the well exposed Walker Creek amphibolites, where they are cut by pegmatite and tourmaline-quartz veins, have been extensively tourmalinized. In addition, alteration has produced a thinly banded dark hornblende with rhodonite rock with an attractive aspect. This occurrence is considerably different from the better knwon rhodonite deposits at Saltspring Island, Cowichan Lake and the Nanaimo Lakes area.

In thin section amphibolite from the various horizons is remarkably uniform. Felted masses of fine grained acicular green actinolite form alternating layers with very fine grained recrystallized quartz-feldspar with scattered eyes and lenses of albite-epidote and streaks of opaques. These bands are commonly intercalated with inch-scale fine grained biotite-quartz-feldspar, and sericite-quartz-feldspar layers which locally represent metasediments.

The amphibolite units are of considerable use structurally because of their visual aspect, their relatively high competancy and lateral continuity over extensive areas. The full extent of the Walker Creek amphibolite has not yet been determined but it appears to be several hundred meters thick. The Survey Mountain amphibolites were not studied, but Fairchild (op cit) indicated they form elongate masses from 0.5 to 5 kilometers long intercalated within schistose pelitic rocks.

The uniform mineralogy of the various amphibolite units suggests amphibolite grade regional metamorphism which, as will be discussed, is consistent with other lines of evidence.

A second, less obvious type of amphibolite has also been recognized in the Valentine Mountain area. This type is most readily observed in the biotite gneisses (metasandstone) which underlie much of the area, and is seen to comprise irregular, thin, metasomatic veinlets formed along preexisting foliation planes. The alteration includes medium grained brown hornblende in a very fine grained quartz-feldspar matrix with fine grained secondary brown biotite. Typically the hornblende forms stellate clusters within the veinlets. They appear to represent preliminary or partial granitization of the metasandstone.

METASANDSTONE

Thick, massive generally poorly bedded metasandstone underlies much of the Leech River Block west of Survey Mountain. Exposures along the deep Jordan River valley and Sombrio River suggest thicknesses of several

thousands of feet accentuated by folding. These rocks are typically buff weathering with a weak to strong foliation defined by fine grained biotite. The recrystallized matrix comprises a fine to very fine grained mosaic of quartz and feldspar with accessory apatite, sphene and occasional muscovite and pyrite. Hornblende, actinolite, garnet, epidote and K-feldspar are irregularly present as incipient to fine grained disseminations in most of the dominantly biotitic gneisses. An unusual texture imparted to the gneisses by close spaced biotite rich layers has been termed 'wood grain' sandstone because of the distinctive appearance and seems to represent primary layering. The thickest metasandstone section, called the Valentine metasandstone by Fairchild (1979), is exposed along Jordan River where it forms most of the steep slopes and high ridges on Valentine Mountain. Although massive, discrete layers and lenses of metapelites, and occasional sedimentary breccia mark primary bedding. The Valentine sandstone plunges easterly under Valentine Mountain where it is overlain by a mixed succession of metapelite (schist), relatively thin bedded sandstone, and amphibolite. Within the Leech River Block and indeed within much of the western Metchosin Block the metasandstone forms the most common rock type.

In composition these biotite gneisses or metasandstones are typically quartz-rich (20-30%) with low to moderate amounts of biotite and hornblende. Granite or granodiorite gneiss suffices as a rock name. The original composition is not known, but on the basis of current knowledge, these rocks were probably arkose or arkosic greywacke.

The massive nature and competence of the

metasandstone bodies have made them relatively easy to map, but because of their similar appearance are useless as marker units. As a result the various members were separated where possible by using the distinctive amphibolite bands and the more common intercalated metapelite layers (schists). Like the amphibolite, the metasandstone has been generally deformed into open, upright, easterly plunging folds on both small and large scale.

METAPELITES (SCHISTS, PHYLLITES)

On the basis of the published descriptions of the Leech River Block it would appear that metamorphosed pelites form the most abundant rock type. These range in composition from carbonaceous sericitic chloritic phyllite to carbonaceous andalusite-staurolite-garnet-biotite schist reflecting retrograde metamorphism and middle to upper amphibolite grade regional metamorphism.

Metapelites, that is, schists and phyllites, are only second in order of apparent abundance after the metasandstones. Because of their original nature and composition, they are the best indicator of regional metamorphic grade and of deformation.

Staurolite Zone

The highest grade schists preserved within the Leech River Block are carbonaceous andalusite-staurolite-garnet-biotite rocks localized within a relatively narrow zone west of Jordan River. These rocks are dark, moderately fissile, and contain euhedral twinned staurolite crystals up to 3 centimeters long, andalusite remnants up to 8 cm long,

garnet averaging 1 cm across and erratic black tourmaline. Metasomatic brown hornblende with distinctive creamy weathering fine grained quartz and feldspar occasionally forms conspicuous veinlets parallel to the fissility in these rocks. Most of the large andalusite crystals have been altered to shimmer aggregates of sericite, brown biotite and minor chlorite, and the coarse primary biotite has been altered to golden brown chlorite and secondary biotite.

In hand specimen the overall aspect is greenish grey, nodular and streaky with a strongly foliated habit defined by the platy minerals. Both the staurolite and andalusite have developed along the plane of primary schistosity without any indication of preferred orientation. Most of the primary material in this zone, including the garnet, has suffered late planar retrograde deformation which produced a nodular phyllite marked by well preserved staurolite, broken garnet, and sericite streaks marking old andalusite. Macroscopic quartz is present in these rocks in only minor, irregular amounts. Quartz veins with abundant coarse black tourmaline are conspicuous within this zone.

Alteration of the staurolite-andalusite schists by the several sill-like granitic plutons appears to be limited to narrow, irregular zones comprising coarse brown hornblende and epidote. The most pronounced alteration takes place where the schists have been cut by the tourmaline bearing pegmatites and quartz veins. In these areas the schists exhibit up to a meter of almost complete tourmalinization and irregular tourmalinization over tens of meters. Nearby amphibolite has also been tourmalinized and hornblendized to a lesser extent.

Andalusite Zone

Like the amphibolite and metasandstone units, the local andalusite-garnet-biotite schists are remarkably uniform in general aspect, habit, and mineral composition. These schists are dark, often black, thinly laminated or banded, and very fine grained with a shiny appearance marking their carbonaceous nature. Andalusite, garnet and biotite are common as porphyroblasts. Andalusite is the most apparent metamorphic indicator in these rocks and has been found as anhedral to euhedral crystals up to 20 centimeters long. Virtually all of this very coarse andalusite has been altered to shimmer aggregates retaining the original crystal forms. Progressive retrograde deformation of these rocks has transformed the shimmer aggregates into still recognizable rods and sericite quartz laminae. Garnet is a typical constituent of these schists, averaging five per cent, and found as euhedral crystals up to one centimeter across. The biotite is brown, fine grained, and forms from 15 to 20 per cent of the rock. Very fine grained carbonaceous material which imparts the dark or black color to these schists is typically amorphous and forms from 15 to 25 per cent of the schist. Fine grained recrystallized quartz-feldspar laminae are ubiquitous in all the schists.

All of these foliated rocks are marked by tight, uniform, small scale shear folds expressed by mineral layering and by closely folded, thin, phacoidal sugary grey quartz which in places forms up to 35 per cent of the rock. The schist is also host to conspicuous ptygmatic quartz veinlets, and various types of quartz veins.

The andalusite-garnet-biotite schists have been extensively deformed along the Leech River shear zone, along numerous sub-parallel narrow shears and by sub-parallel southeasterly trending shears. Deformation of the porphyroblastic schist has produced a generally metallic grey green phyllite in which some of the andalusite remains as sericitic rods or laminae. In the zones of most intensive deformation, particularly along the Leech River "Fault", the rock approaches an ultramylonite but is colloquially termed a slate. The deformed schists generally weather differentially to form gullies, and where pyritic, form weak gossan-like stripes.

In thin section the fine mineral layering mainly comprises alternating carbonaceous quartz-feldspar and biotite-quartz-feldspar laminae. Andalusite occurs as both coarse shimmer aggregates marking the generally completely altered mineral, and as fine grained, unaltered, euhedral crystals possibly denoting a later second stage metamorphic event. The garnets are typically clear, unzoned, and euhedral and show little evidence of helicitic texture. Many of the garnets show micro fractures and peripheral alteration probably related to post deformational cataclasis of the rocks. Two types of biotite are found in the schists; one of which is the common very fine grained brown type found in the quartz-feldspar laminae, and the second, described by Fairchild as blocky biotite, comprises coarse grained crystals or aggregates marked by kink banding denoting a dynamically altered rock. Hartscheifer texture occurs in common with the broken garnet, kink banded biotite and secondary andalusite.

On Valentine Mountain the andalusite-garnet-biotite

schists occur as discrete members intercalated with metasandstone and amphibolite together forming a relatively extensive succession overlying the thick Valentine metasandstone unit. The schist ranges from centimeter thick bands laminated with metasandstone forming striped rock to homogenous mappable units more than a hundred meters thick. Relation of the schist to the metasandstone varies from transitional to abrupt, but generally appears to be conformable. In many instances where relatively thin schist and metasandstone layers are intercalated deformation has injected the less competent schist across the sandstone in a dike-like manner. Spatial relationships with the amphibolites are also apparently conformable but less complex.

Relationships between the schists and the several intrusive plutons in the Walker Creek and Jordan River zone are relatively simple. Evidence for intrusion includes country rock schist as oriented pendants within the sill-like plutons, narrow thermal or contact aureoles along parts of the plutonic borders as well as deformational and cross cutting features along the borders. Examination of the small inclusions of andalusite-garnet-biotite schist indicated only minor silicification plus the development of very fine grained brown hornblende and epidote as fine laminae. Where the same granitic plutons have cut amphibolite the actinolite has been replaced by medium coarse grained brown hornblende and epidote over widths of only a few meters or less.

The andalusite-garnet-biotite schists have been extensively deformed along the Leech River shear zone, along numerous sub-parallel narrow shears on the southerly slope

of Valentine Mountain and by sub-parallel southeasterly trending shears on the northerly and easterly slopes. Deformation of the porphyroblastic schist has produced a generally metallic grey green phyllite in which some of the andalusite remains as sericitic rods or laminae. In the zones of most intensive deformation, particularly along the Leech River "Fault", the rock approaches an ultramylonite but is colloquially termed a slate. The deformed schists generally weather differentially to form gullies, and where pyritic form weak gossan-like stripes.

The andalusite-garnet schists in the Valentine Mountain area appear to have hosted an unusual amount of quartz in the form of matrix material, as conformable, folded, grey, sugary quartz lenses and as veins. The ubiquitous sugary grey quartz probably represents a transposed primary constituent of the original argillite or mudstone. The quartz veins which from field evidence are of several ages crosscut all the local country rocks and indicate remobilization. Late period quartz veins cutting the andalusite-garnet schists on the upper east slopes of Valentine Mountain contain arsenopyrite, pyrite and native gold and are of economic consideration.

Chlorite Zone

Chlorite zone rocks in the general area, are clearly phyllites. The fine grained nature, foliated habit, and presence of intercalated, less deformed and still recognizable andalusite and garnet clasts show the results of extensive regional shearing related to the major east-west San Juan and Leech River shear zones and the conjugate southeasterly Floodwood Creek, Survey Mountain and

Cragg Creek shears. It is likely then that much of the apparently lower grade chlorite-biotite-garnet schist is the result of progressive, and probably repeated, retrograde deformation.

IRON FORMATION

Studies within the last year have shown the presence of a distinct pillow lava - pelite - iron formation sequence intercalated within Leech River Assemblage metasandstone. The pillow lava - pelite sequence was originally recognized in 1978 near Fairy Lake on the north side of the San Juan River. Since then it has been traced easterly across the valley and prospected on the GAD property where iron formation is intercalated with the pillow lava and siltstone. This sequence has been metamorphosed with cummingtonite and hematite developed in the magnetite rich material. This suggests relatively high grade thermal metamorphism probably related to the local intrusives. So far this unique sequence has not been traced southeasterly of the GAD.

PLUTONIC ROCKS

At present, it appears that intrusive granitic rocks are concentrated in the Walker Creek - Jordan River area where a number of sill-like east-west trending bodies have been mapped. These plutons are mainly coarse grained leucocratic granite in the westerly portions grading irregularly to granodioritic phases along Jordan River. Like the metamorphosed country rocks, the plutons appear to plunge easterly under Valentine Mountain at a shallow angle. Age dates (Wanless et al, 1978; Fairchild, 1979) indicate

Tertiary emplacement and like most Tertiary intrusives on Vancouver Island are still relatively unknown. Apart from the plutons described here and a few small sill-like granitic bodies near Survey Mountain no other mappable plutons have yet been described in the Leech River Block.

Unlike most of the Tertiary and older plutons on Vancouver Island which are described as elongated in a northwesterly direction parallel to the regional fabric, the Walker-Jordan bodies trend roughly east-west (080°). This coincides roughly with the trend of the local major and minor folds in the country rocks forming the Leech River Block. These plutons are not particularly noteworthy except for the presence of extensive pegmatite zones formed within the granite bodies and as veins in the adjacent country rocks. As previously indicated, these plutons are spatially related to the axis or core of highest grade metamorphism in the region and lack the associated tectonic breccias and other features typical of most epizonal Tertiary intrusives on Vancouver Island. The lines of evidence therefore suggest that the Walker-Jordan bodies are synkinematic mesozonal intrusives to which metamorphism, pegmatities, and quartz veins can be related as inherent to the evolution of the Leech River Block during the Tertiary.

STRUCTURE

Layering, banding and bedding are present in the amphibolites, sandstones, and metapelites but must be discriminated with caution from metamorphic differentiation. Tops were determined using cross bedding at a number of sites in metasandstone, and intraformational structures

between the various intercalated schist and metasandstone members also gave sufficient tops to rationalize the major structures. Gross layering was the most useful tool in determining both large and small scale features.

The most conspicuous feature in the amphibolites, metasandstones, and various schists is a well developed foliation which over most of the area is parallel to both large and small scale compositional layering.

Regional mapping by the writer as well as detailed mapping in the general Valentine Mountain area suggest that the Leech River Block country rocks comprise an east-west trending, mainly easterly plunging sequence of open folds. The relatively simple fold pattern shown by the metasandstone units is also repeated by the massive amphibolite units which form the best marker horizons. The metapelites (schists) have not acted as competent units and therefore present a disharmonic, very complex geometry requiring considerable experience to interpret.

To date most of the major granitic to dioritic plutons appear to be concentrated in the south-central portion of the Leech River Block and along the north side of the San Juan River within the Vancouver Island Block. The latter are more typical stock-like to batholithic masses presumably related to the Vancouver Island Intrusions whereas the Leech River plutons are dike-like masses of Eocene age and appear to represent a unique event marked by an east-west fracture control.

FAULTS AND SHEARS

The San Juan and Leech River lineaments represent major high angle shears/faults with unknown offset and motion. The two east-west zones are joined by a multitude of southeasterly trending conjugate shears which cut across the Leech River and older Metchosin block along which considerable erosion has taken place resulting in features such as the Floodwood and Cragg creek lineaments. Evidence from the field relationships shows that the latest motion (at least) cuts both the Eocene (30 m.y.) intrusives and the younger gold-quartz veins. As a result of the extensive crushing gold has been released from the vein systems and latterly collected as scattered placer deposits.

MINERALIZATION

Prospecting and exploration in the southern portion of Vancouver Island has been mainly limited to the shoreline, highway and major creeks. Only recently has extensive logging cleared large portions of the heavy mature forest and provided road access to this part of the Island. As a result the majority of known mineral deposits are the older ones near the coast and new finds in recently logged off areas inland.

The eleven mineral deposits and mines located along the coastal strip between Sooke and Port Renfrew are all cupriferous deposits with associated pyrite, pyrrhotite, with accessory lead, zinc, cobalt, nickel and minor to rare gold platinum and silver. These mainly comprise mineralization in or related to ultrabasic intrusions,

skarn, and occasionally quartz vein systems. A second group of mineral deposits localized northerly of Port Renfrew along Gordon Creek are mainly iron (magnetite) and magnetite-copper deposits localized at the margins of quartz diorite intrusions in skarn. Only one of these (Alfrida) contains significant gold and silver.

New discoveries since 1976 have been made at various places of easy access within the interior of this area in Leech River Block rocks. These include the gold-quartz veins at Valentine Mountain (grades up to 34 oz. Au/ton), the auriferous arsenopyrite bearing dikes and gold-quartz veins on the OX property east of Port Renfrew, the auriferous quartz vein - quartz stockwork system at Loss Creek on the RENA property and more recently the iron formation adjacent to the OX in the GAD claims area. This iron formation sequence was mainly examined for the magnetite content and its associated vanadium, nickel and cobalt content. The operators have also just started to examine the gold potential of the many quartz veins on the claims.

Currently the main prospecting and exploration interest in the general area relates to gold quartz systems but the possibility of auriferous stratabound and stratiform deposits has also been considered. Exploration for both categories of deposits requires careful detailed prospecting, and an understanding of the complex geology of the area. The search for stratiform and stratabound deposits requires detailed geology well beyond that currently available.

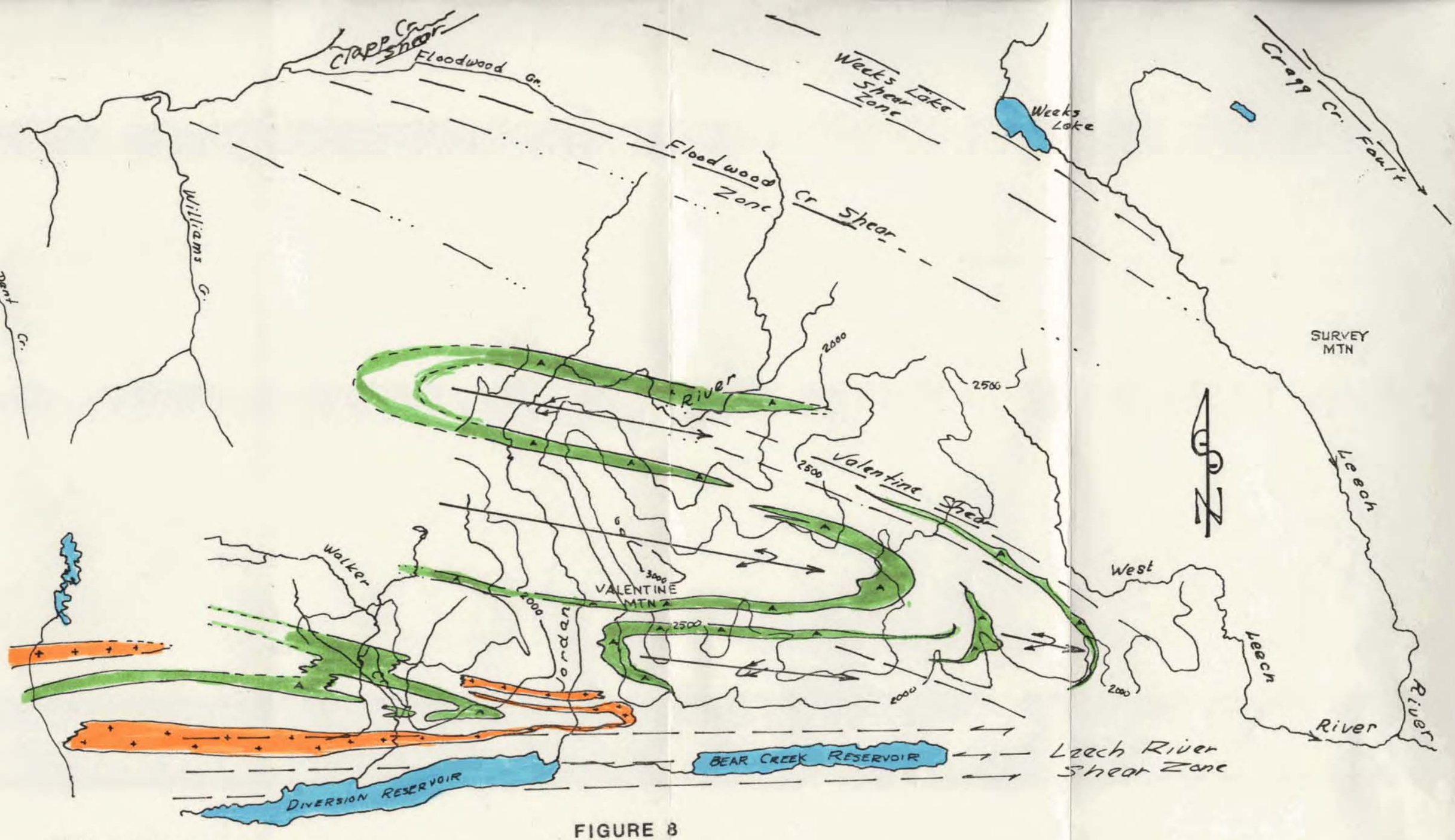


FIGURE 8

GENERALIZED GEOLOGY

AND STRUCTURE

VALENTINE MOUNTAIN AREA

2/84

DISCUSSION

The geology of the Beau Pre claim area is now known in considerable detail with the result that a reasonable geologic model linking stratigraphy, rock structure, and mineralization has been devised. Because of these relationships which will be explained more fully it is suggested that the Valentine Mountain property has considerably greater potential in terms of exploration possibilities than first realized.

DETAILED RELATIONSHIPS - VALENTINE MOUNTAIN

STRUCTURE

A compilation of the detailed geological mapping of Valentine Mountain is shown here as Figure 7 (pocket) and a summary of the gross aspects of the area as Figure 8. The main rock units have been described and need not be elaborated on here except for structural relationships and proposed mineral controls.

Six major amphibolite units have been mapped on Valentine Mountain which serve as key stratigraphic horizons and outline the major structures. The primary nature of these has been observed at several places where the original thin banded amygdaloidal character is apparent. In general the basaltic flows have been intensely altered, but are recognizable because of their thinly, crumple banded, bright green aspect. As shown on the map the thickness varies considerably from a few centimeters to about 300 meters. The thin whip-like amphibolite unit shown along the south slope of the mountain has been drilled at several points in

the discovery zone area and has an average thickness of 100 to 150 meters. These main amphibolite units are underlain by thick banded, massive metasandstone units which form the core of Valentine Mountain. The amphibolites are intercalated with complexly interbedded thin-banded metasandstone and staurolite-garnet-andalusite schist (metapelite), and overlain regionally by metasandstone and metapelite.

The amphibolite bands outline the large scale geologic structure of the area. As shown in Figure 8 Valentine Mountain is marked by large assymetric, shallow east-southeast trending, easterly plunging folds. Small scale shear folds which dominate the metapelite units infolded with the more competent metasandstone layers support the large scale fold interpretation (see Figure 9, Cross Sections). Primary sedimentary structures preserved in the metasandstone have also shown that the members are upright and not overturned.

MINERALIZATION

The bulk of the 1982 and 1983 exploration work carried out by Beau Pre Explorations on Valentine Mountain was concentrated on the Discovery Zone gold-quartz mineralization. This zone which has a surface length of 2000 meters, and a width of about 300 meters lies between 1,200W/1,400N and 3,200W/1,400N (Figure 7). Details of this area are shown in Figure 7 where the complexity of the folded, thin banded, metapelites and metasandstones can be seen.

Surface mapping has shown that at least three periods of quartz veining dominate the local rock structure. Of these only the 060° to 080° have been found to contain significant free gold. A large part of the area has been cleared to expose a number of these veins. Two of the veins, the 'A', and '36' have been trenched to test values. The '36' vein has been opened up over a length of more the 145 feet (45 m) to a depth of about 12 feet (4 m). Although free gold as specks was seen in the original surface showing the maximum assay grade obtained was 0.84 oz. Au/ton. When the trench was sampled the following values were obtained (company report):

Distance	Location	Width	Ag oz/T	Au oz/T
	Foot Wall	46 cm	0.07	0.410
2 meters	Vein	17 cm	3.85	34.950
	Hanging Wall	61 cm	0.16	0.852
	Foot Wall	36 cm	0.56	0.005
10 meters	Vein	3 cm	2.27	33.200
	Hanging Wall	37 cm	0.79	3.845
	Foot Wall	46 cm	0.10	0.142
20 meters	Vein	18 cm	0.03	0.003
	Hanging Wall	50 cm	0.02	0.090
	Foot Wall	48 cm	0.01	0.010
30 meters	Vein	13 cm	0.12	0.328
	Hanging Wall	37 cm	0.10	0.003

Drill Program

Because of the very limited rock exposure in the Discovery area a small diamond core drilling program was implemented (Grove, 1982) to trace the observed veins, check grades at depth, and test for other veins. The logs and assays for the 13 core holes drilled in 1982 and 1983 are included here as Appendix I. The locations of the drill holes and trenches are shown in Figure 11. As shown by the geologic cross sections (Figures 12, 13) the veins are narrow but appear to have considerable depth as well as length. However, the assay results from core samples which showed specks of free gold were generally disappointing with results seldom revealing over 0.01 oz. Au/ton. Only one drill core (DDH #6) gave results which compared to visual estimates - 7.550 oz. Au/ton over a 1.6 foot length. This intersection indicated the presence of another previously unknown gold bearing quartz vein south of the '36' vein. As shown in the logs and sections a large number of quartz veins have been intersected through the small portion of the Discovery Zone tested many of which appear to belong to the 070° auriferous system. The general lack of assay grade confirmation has been disconcerting and can be partly explained as a sample preparation problem.

The main reason for these erratic results appears to be structural. It has been shown by examining the '36' trench that the free gold occurs in scattered pockets in the quartz veins, and in fractures and on shear planes in the adjacent wall rocks. Such strongly controlled gold mineralization is erratic in nature and not amenable to simple random grid drilling techniques.

Bulk Samples

The intent to send the material blasted from '36' vein was frustrated by sample collectors and other events which caused much of the muck to be widely dispersed. However, two small samples of material were shipped to the Cominco smelter at Trail in an attempt to obtain a reasonable estimate of grade from bulk material. The results of these two company samples are as follows:

	SAMPLE # 1 FINES (223 pounds)	SAMPLE # 2 GOLD QUARTZ (292 pounds)
GOLD	4.82 oz/ton	18.44 oz/ton
SILVER	0.60 oz/ton	1.25 oz/ton
SILICA	66.9%	89.4%

Gold Vein Mineralogy

The mineralogy of the auriferous quartz lodes remains simple. The quartz is generally vuggy, watery to smoky grey and rarely shows deformation. The 'ore' minerals are a bright yellow, hackly gold as specks and masses, crystalline arsenopyrite, marcasite, rare chalcopyrite, sphalerite, galena and ilmenite. In some specimens the arsenopyrite has been fractured and cut by fine veins and veinlets of gold suggesting late movement in response to local stresses.

Wall Rock Alteration

Geological study of the drill core area has

revealed extensive alteration in the amphibolite unit forming the footwall to the Discovery Zone gold mineralization. This alteration was not evident at the surface because of the rock structure and very small amount of amphibolite exposed. The alteration includes extensive quartz, calcite and gypsum veining, spotty to vein-like K feldspar zoning, tourmalinization, epidotization and biotitization of hornblende and the attendant development of fine to coarse grained magnetite. Although extensive epidotization and magnetite development is fairly common in these amphibolites, the amount of calcite, gypsum, quartz and K feldspar is unusual and appears to be related directly to zones of thinly intercalated graphitic metasandstone and metapelite cut by the 070° gold vein system.

Structural and Stratigraphic Controls

The gold bearing quartz veins on Valentine Mountain belong to a simple 070° (060°-080°) hydraulically augmented fracture system which the writer has previously explained as related to 080° trending dike-like granitic intrusions of Eocene age (Grove, 1982). The multitude of such veins in the Discovery Zone area are all localized in both the hanging wall and foot wall of the highly altered, 100 meter wide amphibolite band mapped as extending from the Jordan River east to Fred Creek, a distance of about 5000 meters. Because of the steep southerly dip of this amphibolite unit the overlying hanging wall sequence of metasediments and vein system is best exposed. However, as indicated in the drill section (Figure 12, 13) visible gold was seen in several veins cutting footwall schist. So far no appreciable gold quartz veins or systems have been encountered in amphibolite in the general area. Together,

the alteration, the spatial relationships, and the vein zoning suggest a strong case for structural/stratigraphic mineral control and considerably expanded horizons for more prospecting and exploration.

CONCLUSION

Assay results of vein material from the Discovery Zone on Beau Pre Explorations Valentine Mountain property show a wide range of values from 0.002 to 34.950 oz. Au/ton in the '36' trench, from 0.002 to 7.550 oz. Au/ton in drill core, and up to 18.44 ounces Au/ton in selected blast material from the '36' trench. Assay results from the hundreds of drill core samples have been erratic and have generally failed to reflect the presence of even visible gold in samples. Results from trenching have been considerably more comparable to visual estimates reflecting the structurally concentrated nature of the free gold in the veins and the erratic nature of its occurrence. The core drilling intersected hundreds of potentially gold bearing 070° veins in the Discovery Zone and showed the existence of widespread quartz stockwork systems and showed that free gold is scattered along the length and breadth of the zone and at depths of up to almost 500 feet (150 m) below the surface. One intersection in DDH #6 of 7.550 oz. Au/ton (1.6 feet) also showed that the spectacular free gold occurrences in the '36' vein are not unique.

Study of the core has shown that the amphibolite unit underlying the Discovery Zone mineralization has been strongly altered. Calcite, gypsum, quartz tourmaline, epidote, K feldspar, and magnetite have been developed

adjacent to the gold quartz veins which occupy fractures in thinly intercalated graphitic metasediments above and below the amphibolite. Surface mapping has outlined these amphibolite units which apart from acting as key marker horizons appear to play a significant role in the localization of gold quartz veins. The considerable extent of these amphibolite units as well as the large number provide considerable scope and need for more detailed exploration in the general area.

RECOMMENDATION

In order to obtain grade estimates in the Discovery Zone it is recommended that a number of parallel trenches at least 3 feet (1 m) wide by 4 feet (1.2 m) deep be cut across the accessible Discovery Zone perpendicular to strike. The '36' trench should be extended and several other gold bearing veins should be followed by trenching to check free gold distribution along strike. No further core drilling is recommended for this zone at this time, or until all the proposed trenching and bulk sampling is completed and analysed. This work should be supervised to ensure the results will be of use.

Because of the observed relationship of the gold veins to altered amphibolite it is recommended that the east-west trending area on the upper south slope of Valentine Mountain overlying the paired amphibolite bands should be explored by a close spaced soil geochemistry survey. Secondary areas to explore are underlain by the amphibolite bands on the north slope of Valentine Mountain, along Valentine Creek, and along the Jordan River. The soil

survey work should be paralleled by conventional prospecting. Targets picked out from the results of these surveys can be trenched or core drilled as conditions and time dictate and as recommended by the property geologist. The program which can be carried out during most of the year is expected to cost about $270,000.

EXPLORATION PROPOSAL - BEAU PRE EXPLORATIONS LTD.

VALENTINE MOUNTAIN PROPERTY - 1984

PHASE I

A. Discovery Zone Development

1. Trenching & Bulk Sampling
(by contract, including shipping)

1,000 feet (310 m), 3' wide by 4' deep (1m x 1.2 m) @ $100/cubic yard	$130,000	
Supervision	5,000	
Transportation	2,500	
		$137,500

2. Geological Mapping & Sampling

Mapping & Sampling	6,000	
Samples, 300 @ $12.50	3,800	
Transportation	1,500	
Documentation & Report	1,500	
		12,800

B. Exploration - Amphibolite Bands

Soil Geochemistry Survey
(100 m x 25 m grid)

3,000 samples @ $6.00 ea.	18,000	
2 samplers @ $100/man/day	6,000	
Supervision	2,500	
Transportation	2,500	
Geological Review, Documentation & Report	3,500	
		32,500
Sub-Total PHASE I		$182,800

PHASE II

To be initiated and supervised as recommended by the property geologist upon completion of PHASE I exploration.

1.	Trenching &(or) Core Drilling	40,000	
2.	Supervision	4,500	
3.	Transportation	1,500	
4.	Geological Review, Documentation & Report	5,000	
	Sub-Total PHASE II		$51,000
	Sub-Total PHASE I + PHASE II		$233,800
	Contingencies @ 15% (approx)		36,200
	PROPOSED 1984 EXPLORATION BUDGET		$270,000

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CERTIFICATE

I, Edward W. Grove, of the Municipality of Central Saanich, do hereby certify that:

1. I am a consulting geologist with an office at 6751 Barbara Drive, Victoria, British Columbia.
2. I am a graduate of the University of British Columbia (1955) with a Master's degree, Honours Geology (M.Sc. Hon. Geol.) and a graduate of McGill University (1973) with a doctorate in Geological Sciences (Ph.D.).
3. I have practiced my profession continuously since graduation while being employed by such companies as the Consolidated Mining and Smelting Co. of Canada Ltd., British Yukon Exploration Ltd., the Quebec Dept. of Natural Resources, and the British Columbia Ministry of Energy, Mines and Petroleum Resources. I have been in corporate consulting practice since January 1981.
4. I have no direct, indirect or contingent interest in Beau Pre Explorations Ltd. or any of its claims nor do I expect to acquire any such interest.
5. I am a member in good standing of the Association of Professional Engineers of the Province of British Columbia.
6. I consent to the use of this report in a Prospectus or Statement of Material Facts.

February 27, 1984
Victoria, B.C.

Edward W. Grove

Edward W. Grove, Ph.D., P.Eng.

APPENDIX I

BEAU PRE EXPLORATIONS LTD.

1982 - 1983 DIAMOND DRILL PROGRAM

VALENTINE MOUNTAIN

GEOLOGICAL LOGS AND ASSAY LOGS

DDH # 3
DDH # 5
DDH # 5A
DDH # 6
DDH # 7
DDH # 7A
DDH # 9
DDH # 12A
DDH # 12N
DDH # 15
DDH # 21
DDH # A6
DDH # FC#1

EDWARD W. GROVE, Ph.D., P.Eng.

DIAMOND DRILL GEOLOGICAL LOG

COMPANY: BEAU PRE EXPLORATIONS LTD.

E. W. GROVE CONSULTANTS LTD.
6751 Barbara Dr., Victoria, B.C.

Property: Valentine Mtn. 36 Vein
Hole No. DDH #3 Core: NQ

Logged by: E.W. Grove, Ph.D., P.Eng.
Date: November 13, 1982

Azimuth: 000° Dip: -45°
Length: 70 meters

From	To	Length	Rec. %	Rock Description
0	8'	8'	0 %	overburden
8'	16'	8'	72 %	finely banded (@ 70°) very fine grained grey biotite gneiss (sandstone), massive salt & pepper aspect, minor white quartz veinlets (<2%) up to 1 cm wide.
16'	17'10"	1'10"	100 %	as above
17'10"	19'	1'2"	95 %	grey to watery quartz as lenses with 75% biotite gneiss & 20% very fine grained dark andalusite schist, minor pyrite, rare arsenopyrite.
19'0"	26'	7'	100 %	as 8-16'; medium grained dark brown biotite as fine aggregates in feldspathic lenses, 2-3% ptygmatic quartz veinlets, minor calcite as veinlets.
26'	27'2"	1'2"	100 %	as 16-17'10", minor pyrite, scarce arsenopyrite.
27'2"	31'4"	4'2"	97 %	dark, very fine grained, chloritic altered andalusite schist, folation @ 75-80°.
31'4"	31'10"	6"	100 %	mottled grey to white quartz, parallel to to foliation with 15% schist.
31'10"	48'10"	17'	98 %	finely banded, fine grained, salt and pepper aspect, biotite gneiss (woodgrain sandstone) foliation variable from 45 to 90°.
48'10"	49'4"	6"	100 %	quartz breccia vein with 20% sandstone as inclusions.
49'4"	58'8"	9'8"	98 %	woodgrain sandstone as before with minor disseminated very fine grained pyrite.

DIAMOND DRILL GEOLOGICAL LOG

COMPANY: BEAU PRE EXPLORATIONS LTD.

E. W. GROVE CONSULTANTS LTD.
6751 Barbara Dr., Victoria, B.C.

Property: Valentine Mtn. 36 Vein
Hole No. DDH #3 Core: NQ

Logged by: E.W. Grove, Ph.D., P.Eng.
Date: November 13, 1982

Azimuth: 000° Dip: -45°
Length: 70 meters

From	To	Length	Rec. %	Rock Description
58'8"	59'8"	1'	90 %	grey, dense quartz as lenses with 15% schist/sandstone inclusions.
59'8"	62'8"	3'	90 %	contorted, intercalated, thinly banded sandstone and dark altered andalusite schist with 40% fine grained grey quartz as 3-5 cm wide lenses, very fine grained pyrite as fractures.
62'8"	69'10"	7'2"	80 %	woodgrain sandstone, contorted, 20% grey quartz and minor carbonate as lenses and veinlets.
69'10"	71'10"	2'	75 %	fine grained, finely banded, contorted sandstone with 50% grey quartz lenses.
71'10"	74'	3'2"	50 %	woodgrain sandstone as above, fractured.
74'	75'2"	1'2"	98 %	fine grained, grey quartz/ quartz breccia with sandstone fragments, fine grained pyrite.
75'2"	85'6"	10'4"	100 %	finely banded, salt and pepper sandstone with intercalated schist, as thin bands, foliation @ 80°; 84' to 85'6", 6' schist zone parallel to core.
85'6"	88'8"	3'2"	100 %	chloritic, finely banded, altered andalusite schist with very fine grained garnet, ptygmatic quartz veins (10%) and two 3 cm wide parallel quartz veins.
88'8"	93'10"	5'2"	98 %	woodgrain sandstone, contorted, foliation perpendicular to parallel to the core, 5% quartz as veinlets.
93'10"	94'7"	9"		quartz vein.

DIAMOND DRILL GEOLOGICAL LOG

COMPANY: BEAU PRE EXPLORATIONS LTD.

E. W. GROVE CONSULTANTS LTD.
6751 Barbara Dr., Victoria, B.C.

Property: Valentine Mtn. 36 Vein
Hole No. DDH #3 Core: NQ

Logged by: E.W. Grove, Ph.D., P.Eng.
Date: November 13, 1982

Azimuth: 000° Dip: -45°
Length: 70 meters

From	To	Length	Rec. %	Rock Description
94'7"	102'	7'5"	98 %	woodgrain sandstone, contorted, foliation perpendicular to parallel to core, 5% quartz as veinlets.
102'	104'6"	2'6"	100 %	woodgrain sandstone, 40% grey to milky quartz as cross-cutting veinlets, very fine grained pyrite <1%.
104'6"	105'	6"	100 %	grey glassy quartz vein, scant pyrite @ 60°
105'	107'	2'	100 %	woodgrain sandstone as above.
107'	109'	2'	100 %	schist + minor sandstone + fine grained pyrite in schist.
109'	134'2"	27'2"	95 %	finely banded, dark, chloritic, altered andalusite schist, garnets to 1 cm, with thin interbedded fine grained salt and pepper sandstone, fine grained grey quartz as phacoliths (<15%), scant fine grained pyrite, coarse grained biotite as clusters in feldspar layers.
134'2"	137'	2'10"	100 %	altered garnet andalusite schist as above with 50% contorted quartz as veins and lenses.
137'	152'	15'	100 %	altered garnet andalusite schist as above, foliation at 60-70° to core.
152'	155'	3'	100 %	mixed very fine grained laminated sandstone and garnet andalusite schist with contorted grey quartz as lenses and veinlets, fine grained pyrite on fractures (<1%).
155'	164'	9'	100 %	very fine grained chloritic, garnet andalusite schist, contorted foliation where intercalated with fine grained salt and pepper sandstone, 10-15% quartz as lenses and veinlets.

DIAMOND DRILL GEOLOGICAL LOG

COMPANY: BEAU PRE EXPLORATIONS LTD.

E. W. GROVE CONSULTANTS LTD.
6751 Barbara Dr., Victoria, B.C.

Property: Valentine Mtn. 36 Vein
Hole No. DDH #3 Core: NQ

Logged by: E.W. Grove, Ph.D., P.Eng.
Date: November 13, 1982

Azimuth: 000° Dip: -45°
Length: 70 meters

From	To	Length	Rec. %	Rock Description
164'	165'	1'	98 %	garnet andalusite schist as above with quartz lenses.
165'	166'	1'	90 %	grey to glassy quartz vein cuts altered sandstone, minor very fine grained pyrite on fractures.
166'	168'4"	2'4"	90 %	mixed fine grained finely banded andalusite schist and sandstone.
168'4"	175'1"	6'9"	90 %	fine grained garnet andalusite schist, minor quartz as lenses.
175'1"	176'7"	1'6"	100 %	mixed sandstone and schist as above, 40% quartz as lenses.
176'7"	179'6"	2'11"	100 %	woodgrain sandstone, minor schist, foliation at 85-90° to core.
179'6"	180'10"	1'4"	100 %	mixed finely banded schist and sandstone with 40% quartz veinlets, minor pyrite, rare arsenopyrite.
180'10"	189'3"	8'5"	100 %	finely mineral banded, salt and pepper aspect fine grained gneiss with thin intercalated andalusite schist, scattered fine grained garnet, remnant andalusite, very fine grained disseminated pyrite, foliation at 80-85° to core, minor quartz veinlets (<5%).
189'3"	201	11'9"	100 %	very fine grained, slightly altered biotite gneiss, salt and pepper aspect, fine grained disseminated pyrite (3-4%), scattered fine grained garnet, minor shimmer aggregates (crushed andalusite), quartz K feldspar veinlets (5%) with some fine grained hornblende, mineral banding becoming distinct.

DIAMOND DRILL GEOLOGICAL LOG

COMPANY: BEAU PRE EXPLORATIONS LTD.

E. W. GROVE CONSULTANTS LTD.
6751 Barbara Dr., Victoria, B.C.

Property: Valentine Mtn. 36 Vein
Hole No. DDH #3 Core: NQ

Logged by: E.W. Grove, Ph.D., P.Eng.
Date: November 13, 1982

Azimuth: 000° Dip: -45°
Length: 70 meters

From	To	Length	Rec. %	Rock Description
201'	227' END	26'	100 %	finely mineral banded, slightly contorted, salt and pepper aspect, altered biotite gneiss; irregular quartz K feldspar hornblende veins and veinlets (@ 90° to core), minor tourmaline in quartz veinlets, some fine grained pyrite disseminated throughout (foliation generally at 90°); biotite medium grained, mainly secondary as porphyroclasts.
209'	211'	2'		as above, 30% quartz K feldspar as irregular veinlets.
211'	213'	2'		as above, 5% quartz K feldspar as irregular veinlets.
213'	217'	4'		as above, 20% quartz K feldspar as irregular veinlets.
217'	220'	3'		as above, 15% quartz K feldspar as irregular veinlets.
220'	222'	2'		as above, 10% quartz K feldspar as irregular veinlets.
222'	227'	5'		as above, 20% quartz K feldspar as irregular veinlets.

ASSAY LOG

E. W. GROVE CONSULTANTS LTD.
6751 Barbara Drive, Victoria, B.C.

COMPANY: BEAU PRE EXPLORATIONS LTD.
PROPERTY: Valentine Mountain 36 Vein
LABORATORY: CHEMEX LABS LTD.
ASSAY REPORT: Invoice # I81214470

HOLE: DDH # 3
DATE: 29 Nov 82

Sample No.	Feet From	Feet To	Feet Length	Rec %	ROCK TYPE	SILVER oz/ton	GOLD oz/ton
53501	17.83	19.00	1.17	95	quartz veins in sandstone/schist	0.11	0.096
53502	26.0	27.17	1.17	100	quartz in sandstone with pyrite/ arsenopyrite	0.04	0.012
53503	31.33	31.83	0.50	100	quartz in schist	<0.01	0.003
53504	48.83	49.33	0.50	100	quartz breccia, sandstone	0.01	0.003
53505	58.67	59.67	1.0	90	grey quartz in schist	0.01	0.006
53506	59.67	62.67	3.0	80	40% quartz, pyrite; schist/sandstone	<0.01	0.006
53507	69.83	71.83	2.0	75	50% quartz in metasandstone	0.01	0.005
53508	74.0	75.17	1.17	98	quartz/quartz breccia	<0.01	0.003
53509	85.5	88.67	3.17	100	quartz veins in schist	0.02	0.006
53510	93.83	94.58	0.75	98	quartz veins in sandstone	0.01	<0.003
53511	102.0	104.5	2.5	100	quartz veins in sandstone	0.01	<0.003
53512	104.5	105.0	0.5	100	quartz vein	<0.01	<0.003
53513	105.0	107.0	2.0	100	schist with quartz, pyrite	0.03	<0.003
53527	107.0	109.0	2.0	100	schist with quartz, pyrite	0.03	<0.003
53514	134.17	137.0	2.83	100	schist with 50% quartz	0.01	<0.003
53515	152.0	155.0	3.0	100	sandstone/schist, quartz, pyrite	0.01	<0.003
53516	164.0	165.0	1.0	98	schist, quartz, pyrite	0.01	<0.003
53517	165.0	166.0	1.0	90	quartz vein, sandstone	<0.01	0.003
53518	166.0	168.33	2.33	90	sandstone, schist, pyrite	0.01	0.005
53519	175.08	176.58	1.5	100	schist, 40% quartz	0.01	0.003
53520	179.5	180.83	1.33	100	sandstone, schist, 40% quartz	0.01	<0.003

ASSAY LOG

E. W. GROVE CONSULTANTS LTD.
6751 Barbara Drive, Victoria, B.C.

COMPANY: BEAU PRE EXPLORATIONS LTD.
PROPERTY: Valentine Mountain 36 Vein
LABORATORY: CHEMEX LABS LTD.
ASSAY REPORT: Invoice # I81214470

HOLE: DDH # 3
DATE: 29 Nov 82

Sample No.	Feet From	Feet To	Feet Length	Rec %	ROCK TYPE	SILVER oz/ton	GOLD oz/ton
53521	209.0	211.0	2.0	100	biotite gneiss, 30% quartz	0.03	0.005
53522	211.0	213.0	2.0	100	biotite gneiss, 5% quartz	0.03	0.003
53523	213.0	217.0	4.0	100	biotite gneiss, 20% quartz	0.02	<0.003
53524	217.0	220.0	3.0	100	biotite gneiss, 15% quartz	0.03	<0.003
53525	220.0	222.0	2.0	100	biotite gneiss, 10% quartz	0.02	<0.003
53526	222.0	227.0	5.0	100	biotite gneiss, 20% quartz	0.03	<0.003

DIAMOND DRILL GEOLOGICAL LOG

COMPANY: BEAU PRE EXPLORATIONS LTD.

E. W. GROVE CONSULTANTS LTD.
6751 Barbara Dr., Victoria, B.C.

Property: Valentine Mtn.
Hole No. DDH #5 Core: NQ

Logged by: E.W. Grove, Ph.D., P.Eng.
Date: November 22, 1982

Azimuth: 000° Dip: -45°
Length: 77 meters

From	To	Length	Rec. %	Rock Description
0	5'	5'	0	overburden.
5'	81.0'	76'	90 %	metasandstone, thinly banded, some woodgrain texture, generally salt and pepper aspect, foliation at 20° generally to core, some contorted zones in woodgrain section, erratic white quartz as irregular lenses, minor quartz (at 45°) as veinlets, minor very fine grained disseminated pyrite; medium grained brown biotite; minor very thin garnet andalusite schist as very thin laminae intercalated within the metasandstone; some quartz lenses crumpled, generally parallel to banding.
15.0'	15.5'	0.5'	100 %	80% quartz as irregular lenses in sandstone
17.0'	17.5'	0.5'	100 %	as above.
35.3'	36.2'	0.9'	100 %	as above.
78.0'	80.0'	2.0'	55 %	fracture zone, grey quartz as lenses; minor fine grained pyrite.
80.0'	81.0'	1.0'	95 %	woodgrain metasandstone, 10% white quartz lenses.
81.0'	83.0'	2.0'	95 %	contact between metasandstone and garnet andalusite schist, schistosity at 45-60° to core; white quartz as irregular lenses 60% (0.5 cm to 5 cm) at various angles and parallel to schistosity, minor very fine grained pyrite.
83.0'	86.0'	3.0'	98 %	as above.
86.0'	98.5'	12.5'	98 %	metasandstone, woodgrain, contorted, as above.

DIAMOND DRILL GEOLOGICAL LOG

COMPANY: BEAU PRE EXPLORATIONS LTD.

E. W. GROVE CONSULTANTS LTD.
6751 Barbara Dr., Victoria, B.C.

Property: Valentine Mtn.
Hole No. DDH #5 Core: NQ

Logged by: E.W. Grove, Ph.D., P.Eng.
Date: November 22, 1982

Azimuth: 000° Dip: -45°
Length: 77 meters

From	To	Length	Rec. %	Rock Description
98.5'	101.0'	2.5'	98 %	mixed metasandstone and garnet andalusite biotite schist, contorted, foliation at 45° irregular narrow quartz veins and lenses, 30% quartz.
101.0'	103.0'	2.0'	98 %	as above, 50% quartz.
103.0'	108.5'	5.5'	100 %	metasandstone, woodgrain, as above, fine grained pyrite as disseminations and on fractures.
108.5'	111.0'	2.5'	100 %	contorted, garnet andalusite biotite schist; grey to white phacoidal quartz as lenses (0.2-2 cm) 50%.
111.0'	115.0'	4.0'	98 %	as above.
115.0'	119.5'	4.5'	98 %	as above.
119.5'	122.5'	3.0'	100 %	as above, quartz to 10 cm as lenses parallel to foliation, 35% quartz.
122.5'	127.0'	4.5'	100 %	as above, quartz 60%.
127.0'	130.1'	3.1'	100 %	as above, quartz 60%.
130.1'	132.0'	1.9'	100 %	as above, quartz 35%.
132.0'	139.4'	7.4'	98 %	thinly intercalated metasandstone and garnet andalusite schist with contorted ptygmatic and phacoidal quartz lenses, very contorted.
139.4'	140.5'	1.1'	99 %	as above, 40% quartz.
140.5'	143.0'	2.5'	99 %	as above, <20% quartz.

DIAMOND DRILL GEOLOGICAL LOG

COMPANY: BEAU PRE EXPLORATIONS LTD.

E. W. GROVE CONSULTANTS LTD.
6751 Barbara Dr., Victoria, B.C.

Property: Valentine Mtn.
Hole No. DDH #5 Core: NQ

Logged by: E.W. Grove, Ph.D., P.Eng.
Date: November 22, 1982

Azimuth: 000° Dip: -45°
Length: 77 meters

From	To	Length	Rec. %	Rock Description
143.0'	144.0'	1.0'	100 %	as above, 55% quartz.
144.0'	154.0'	10.0'	70 %	garnet andalusite schist; quartz as lenses and veinlets, heavy grinding.
153.0	154.0	1.0'	80 %	quartz veins 30%, in schist.
154.0'	160.8'	6.8'	90 %	metasandstone with minor schist, minor quartz veins.
160.8'	161.8'	1.0'	90 %	quartz lenses in schist intercalated in metasandstone above.
161.8'	167.0'	5.2'	90 %	metasandstone, woodgrain, contorted banding at 40°, <15% grey quartz as narrow lenses.
167.0'	167.5'	0.5'	90 %	contact between sandstone and garnet schist; 30% grey and white quartz as lenses, fine grained pyrite.
167.5'	177.0'	9.5'	90 %	garnet andalusite biotite schist; minor finely laminated sandstone, minor ptygmatic quartz lenses, fine grained pyrite (marcasite) on fractures.
177.0'	178.0'	1.0'	90 %	as above, 40% quartz lenses.
178.0'	187.0'	9.0'	85 %	metasandstone, salt and pepper aspect, minor quartz veinlets and lenses, minor fine grained pyrite on foliation.
187.0'	253.0' END	66.0'	85 %	finely mineral banded amphibolite, medium grained brown biotite as layers, acicular hornblende in quartz veinlets/lenses (10% 0.5-2 cm), foliation generally 30°-45° to core, minor fine grained pyrite, chalco-pyrite and magnetite.
217.0'	219.0'	2.0'	80 %	grey/white quartz vein - ground.
219.0'	221.0'	2.0'	80 %	amphibolite, as above.
252.0'	253.0'	1.0'	100 %	"

ASSAY LOG

COMPANY: BEAU PRE EXPLORATIONS LTD.
PROPERTY: Valentine Mountain

HOLE: DDH # 5

E. W. GROVE CONSULTANTS LTD.
6751 Barbara Drive, Victoria, B.C.

LABORATORY: CHEMEX LABS LTD.
ASSAY REPORT: # I8214594

DATE: 03 Dec 82

Sample No.	Feet From	Feet To	Feet Length	Rec %	ROCK TYPE	SILVER oz/ton	GOLD oz/ton
53528	15.0	15.5	0.5	100	quartz vein, sandstone	0.11	0.02
53529	17.0	17.5	0.5	100	quartz vein, sandstone	0.05	0.018
53530	35.3	36.2	0.9	100	quartz vein, sandstone	0.03	0.010
53531	78.0	80.0	2.0	55	broken, quartz, pyrite	0.02	0.005
53532	80.0	81.0	1.0	95	sandstone, 10% quartz	0.03	0.005
53533	81.0	83.0	2.0	95	sandstone/schist, 60% quartz	0.02	0.003
53534	83.0	86.0	3.0	98	sandstone/schist, 60% quartz	0.02	<0.003
53535	98.5	101.0	2.5	98	mixed sandstone/schist, 30% quartz	0.09	<0.003
53536	101.0	103.0	2.0	98	mixed sandstone/schist, 50% quartz	0.05	0.005
53537	108.5	111.0	2.5	100	schist, 50% quartz	0.07	0.003
53538	111.0	115.0	4.0	98	schist, 50% quartz	0.01	0.003
53539	115.0	119.5	4.5	98	schist, 50% quartz	0.02	<0.003
53540	119.5	122.5	3.0	100	schist, 80% quartz	0.01	<0.003
53541	122.5	127.0	4.5	100	schist, 60% quartz	0.02	<0.003
53542	127.0	130.1	3.1	100	schist, 60% quartz	0.09	0.018
53543	130.1	132.0	1.9	100	schist, 35% quartz	0.01	<0.003
53544	139.4	140.5	1.1	99	sandstone/schist, 40% quartz	0.02	<0.003
53545	143.0	144.0	1.0	100	sandstone/schist, 50% quartz	0.03	0.003
53546	153.0	154.0	1.0	80	sandstone/schist, 30% quartz	0.01	<0.003
53547	160.8	161.8	1.0	90	schist/sandstone, minor quartz	0.03	<0.003
53548	167.0	167.5	0.5	100	sandstone/schist, 30% quartz	0.04	0.005

ASSAY LOG

E. W. GROVE CONSULTANTS LTD.
6751 Barbara Drive, Victoria, B.C.

COMPANY: BEAU PRE EXPLORATIONS LTD.
PROPERTY: Valentine Mountain
LABORATORY: CHEMEX LABS LTD.
ASSAY REPORT: # I8214594

HOLE: DDH # 5
DATE: 03 Dec 82

Sample No.	Feet From	Feet To	Feet Length	Rec %	ROCK TYPE	SILVER oz/ton	GOLD oz/ton
53549	177.0	178.0	1.0	90	schist, 40% quartz, pyrite	0.03	<0.003
53550	216.0	217.0	1.0	80	amphibolite, 10% quartz	0.05	<0.003
53551	217.0	219.0	2.0	80	amphibolite, 10% quartz	0.01	<0.003
53552	219.0	221.0	2.0	80	amphibolite, 10% quartz	0.05	<0.003
53553	252.0	253.0	1.0	100	amphibolite, 10% quartz	0.05	<0.003

DIAMOND DRILL GEOLOGICAL LOG

COMPANY: BEAU PRE EXPLORATIONS LTD.

E. W. GROVE CONSULTANTS LTD.
6751 Barbara Dr., Victoria, B.C.

Property: Valentine Mtn.
Hole No. DDH #5A Core: NQ

Logged by: E.W. Grove, Ph.D., P.Eng.
Date: December 3, 1982

Azimuth: 180° Dip: -45°
Length: 38 meters

From	To	Length	Rec. %	Rock Description
0	3.5'	3.5'	0	overburden.
3.5'	126.0' END	122.5'		metasandstone, glassy to dull white quartz as narrow veins, ptygmatic veins, replacement lenses, with minor calcite; generally with a woodgrain texture/aspect; minor fracturing, with very fine grained pyrite (marcasite) on fractures; minor intercalated garnet andalusite schist as thin infolded bands; generally contorted banding. 3.5-26.0' banding contorted, parallel core. 26-50' banding 50-60° to core. 50-65' banding parallel to core. 65-76' contorted banding parallel to core.
16.0'	29.0'	13.0'		moderately fractured metasandstone with limonitic alteration on fractures.
29.0'	29.8'	0.8'		strongly contorted, weakly biotitic wood-grain sandstone, 5% ptygmatic quartz lenses
29.8'	30.5'	0.7'		grey to glassy, quartz vein at 45° cuts sandstone, fine grained pyrite (extension of 36 vein).
56.2'	57.0'	0.8'		metasandstone cut by 3 quartz veins at 70° - grey/glassy.
74.0'	76.0'	2.0'		fractures, very fine grained pyrite and limonite on planes.
80.5'	81.5'	1.0'		metasandstone with 40% irregular quartz lenses at 20° - banding at 20°.
81.5'	86.5'	5.0'		thin quartz lenses form 60% in sandstone, banding perpendicular to core.

DIAMOND DRILL GEOLOGICAL LOG

COMPANY: BEAU PRE EXPLORATIONS LTD.

E. W. GROVE CONSULTANTS LTD.
6751 Barbara Dr., Victoria, B.C.

Property: Valentine Mtn.
Hole No. DDH #5A Core: NQ

Logged by: E.W. Grove, Ph.D., P.Eng.
Date: December 3, 1982

Azimuth: 180° Dip: -45°
Length: 38 meters

From	To	Length	Rec. %	Rock Description
86.0'	88.0'	2.0'		pink banding at 45°.
98.0'	104.0'	6.0'		somewhat schistose, medium grained biotite developed.
104.0	126.0'			minor garnet developed; 107' banding parallel to core 116' " " " 126' " " "

ASSAY LOG

COMPANY: BEAU PRE EXPLORATIONS LTD.
PROPERTY: Valentine Mountain

HOLE: DDH # 5A

E. W. GROVE CONSULTANTS LTD.
6751 Barbara Drive, Victoria, B.C.

LABORATORY: CHEMEX LABS LTD.
ASSAY REPORT: A8214703

DATE: 13 Dec 82

Sample No.	Feet From	Feet To	Feet Length	Rec %	ROCK TYPE	SILVER oz/ton	GOLD oz/ton
53554	29.0	29.8	0.8	100	metasandstone, 5% quartz	0.04	0.006
53555	29.8	30.5	0.7	100	quartz vein, pyrite	0.01	0.032
53556	56.2	57.0	0.8	100	metasandstone, quartz veins	0.01	0.003
53557	80.5	81.5	1.0	100	metasandstone, 40% quartz veins	0.01	0.020
53558	81.5	86.5	5.0	100	metasandstone, 60% quartz veins	0.02	0.010

DIAMOND DRILL GEOLOGICAL LOG

COMPANY: BEAU PRE EXPLORATIONS LTD.

E. W. GROVE CONSULTANTS LTD.
6751 Barbara Dr., Victoria, B.C.

Property: Valentine Mtn.
Hole No. DDH #6 Core: NQ

Logged by: E.W. Grove, Ph.D., P.Eng.
Date: April 15, 1983

Azimuth: 000° Dip: -60°
Length: 203 meters

From	To	Length	Rec. %	Rock Description
0	4.0'	4.0'	0	overburden.
4.0'	37.2	33.2'	100	metasandstone; foliation 40° to core; fine to medium grained salt and pepper aspect; up to 50% quartz as veinlets parallel to foliation and cross-cutting foliation and as lenses and ptygmatic veinlets; 2 inch quartz lens at 23'.
4.0'	6.5'	2.5'	100	60% irregular white quartz lenses with pyrite and biotite.
35.6'	38.9'	3.3'	100	50% quartz as lenses, veinlets cutting meta sandstone and schist.
37.2'	48.0'	10.8'	100	garnet andalusite schist; deformed, foliation at 50° to core; 10% quartz as irregular lenses.
48.0'	212.0'	164.0'	100	metasandstone, woodgrain texture; foliation 45° to core; minor quartz as irregular lenses and veinlets; schist intercalated at 57.2-57.5' and 59.0-60.0'.
92.0'	93.6'	1.6'	100	sandstone with 40% irregular quartz lenses and veins.
93.6'	96.6'	3.0'	100	sandstone with 15% quartz veinlets perpendicular to core.
96.6'	99.0'	2.4'	100	sandstone with 50% quartz lenses.
108.0'	108.7'	0.7'	100	" " " " "
116.0'	117.0'	1.0'	100	" " " " "
117.0'	118.0'	1.0'	100	metasandstone with 15% parallel quartz veinlets.

DIAMOND DRILL GEOLOGICAL LOG

COMPANY: BEAU PRE EXPLORATIONS LTD.

E. W. GROVE CONSULTANTS LTD.
6751 Barbara Dr., Victoria, B.C.

Property: Valentine Mtn.
Hole No. DDH #6 Core: NQ

Logged by: E.W. Grove, Ph.D., P.Eng.
Date: April 15, 1983

Azimuth: 000° Dip: -60°
Length: 203 meters

From	To	Length	Rec. %	Rock Description
118.0'	119.6'	1.6'	80	metasandstone and schist with 40% grey quartz as lenses parallel to foliation (45°) with 5 flecks of Visible Gold; marcasite and arsenopyrite.
119.6'	121.3'	1.7'	100	mixed schist and metasandstone with 15% quartz lenses and marcasite.
121.3'	124.0'	2.7'	100	metasandstone and 20% schist with 15-20% quartz lenses.
124.0'	133.0'	9.0'	100	garnet andalusite schist.
128.2'	132.0'	3.8'	100	garnet andalusite schist with 60% quartz lenses and veinlets.
146.0'	147.0'	1.0'	100	metasandstone, 7% vuggy quartz vein/lens marcasite on fractures.
151.0'	152.0'	1.0'	100	metasandstone, 7% vuggy quartz vein/lens, marcasite on fractures.
155.6'	157.0'	1.4'	100	metasandstone, 35% grey quartz as lens parallel to foliation at 50° to core.
168.5'	171.0'	2.5'	100	metasandstone and 15% schist and 60% quartz vein(s); coarse grained biotite and marcasite.
212.0'	225.8'	13.8'	100	metasandstone, foliation at 45°, well developed quartz vein/lens stockwork, rare sulfide.
225.8'	300.0'	74.2'	100	garnet andalusite schist; deformed andalusite as shimmer aggregates; minor woodgrain sandstone as lenses; foliation contorted (60° to core generally in sandstone; extensive quartz lenses and

DIAMOND DRILL GEOLOGICAL LOG

COMPANY: BEAU PRE EXPLORATIONS LTD.

E. W. GROVE CONSULTANTS LTD.
6751 Barbara Dr., Victoria, B.C.

Property: Valentine Mtn.
Hole No. DDH #6 Core: NQ

Logged by: E.W. Grove, Ph.D., P.Eng.
Date: April 15, 1983

Azimuth: 000° Dip: -60°
Length: 203 meters

From	To	Length	Rec. %	Rock Description
				phacoliths 228-238', 277-330'.
232.0'	237.0'	5.0'	100	garnet andalusite schist and 70% quartz lenses and veins.
252.0'	256.7'	4.7'	100	garnet andalusite schist and 70% quartz lenses.
277.0'	281.0'	4.0'	100	mixed garnet andalusite schist and wood-grain sandstone, 40% quartz lenses.
300.0'	327.2'	27.2'	100	woodgrain metasandstone; narrow lenses, coarse grained biotite as streaks; foliation at 70° to core; minor quartz as narrow lenses and scattered quartz veinlets.
327.2'	422.3'	95.3'	100	amphibolite (?), finely banded; coarse grained biotite well developed as foliation actinolite as bands; garnet to 1 cm; creamy quartz/carbonate as lenses; epidote as lenses; disseminated magnetite, pyrite; probably metasomatic (altered sandstone).
290.5'	293.6'	3.1'	100	metasandstone + schist - 15% quartz lenses.
298.5'	301.5'	3.0'	100	" " 10% " "
				garnet appears to diminish about 342'. epidote appears to increase about 342'.
422.3'	432.3'	10.0'	100	fine grained granite dike - 422.3' contact at 10° to core, 80° to core at 432.3'; biotite and actinolite fairly coarse approaching granite dike; calcite and gypsum veins and veinlets.

DIAMOND DRILL GEOLOGICAL LOG

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E. W. GROVE CONSULTANTS LTD.
6751 Barbara Dr., Victoria, B.C.

Property: Valentine Mtn.
Hole No. DDH #6 Core: NQ

Logged by: E.W. Grove, Ph.D., P.Eng.
Date: April 15, 1983

Azimuth: 000° Dip: -60°
Length: 203 meters

From	To	Length	Rec. %	Rock Description
432.3'	662.0'	229.7'		amphibolite; amphibolite grain size (biotite, actinolite etc.) varies considerably from coarse to medium coarse to fine grained; foliation fairly consistent at 45° to core; widely spaced calcite filled (+gypsum) fractures at 30° to 25° to core. Grain size possibly related to quartz/carbonate/epidote veinlets which are random throughout the sequence; erratic garnet (fine grained); quartz vein (3") 358.8-359.1'; well striped zone 351-352 and 346-347; 335-361 is a fine grained zone with scattered coarse grained lenses. 6 inch breccia at 482.5' - quartz, epidote, calcite. 1/4 inch calcite/gypsum vein at 45° at 489' - at 592' erratic variation in grain size. - about 600' layering more contorted, some folding; foliation generally 70-80° to core 607-608 foliation approximately 0° to parallel to core with quartz rich zone; at 611 have zone with quartz breccia and very coarse grained garnet developed (2cm) to 612.5'. frequency of quartz-hornblende veins/vein breccia appears to increase to about 15% towards bottom of hole.
662.0'	667.0' END OF HOLE			altered amphibolite with extensive quartz vein, quartz breccia and marcasite.

ASSAY LOG

COMPANY: BEAU PRE EXPLORATIONS LTD.
PROPERTY: Valentine Mountain

HOLE: DDH # 6

E. W. GROVE CONSULTANTS LTD.
6751 Barbara Drive, Victoria, B.C.

LABORATORY: BONDAR-CLEGG
ASSAY REPORT: 423-0652, 423-0632

DATE: 18 MAY 83

Sample No.	Feet From	Feet To	Feet Length	Rec %	ROCK TYPE	SILVER oz/ton	GOLD oz/ton
D 93201	4.0	6.5	2.5	100	metasandstone, 60% quartz, pyrite	<0.02	<0.002
D 93202	35.6	38.9	3.3	100	metasandstone/schist, 50% quartz	<0.02	<0.002
D 93203	92.0	93.6	1.6	100	sandstone, 40% quartz	<0.02	<0.002
D 93204	93.6	96.6	3.0	100	sandstone, 15% quartz	<0.02	<0.002
D 93205	96.6	99.0	2.4	100	sandstone, 15% quartz	<0.02	<0.002
D 93206	108.0	108.7	0.7	100	sandstone, 50% quartz	<0.02	<0.002
D 93207	116.0	117.0	1.0	100	sandstone, 50% quartz	<0.02	<0.002
D 93208	117.0	118.0	1.0	100	metasandstone, 15% quartz veinlets	<0.02	<0.002
D 93209	118.0	119.6	1.6	80	metasandstone/schist, 40% quartz, V.G. ***	0.50	7.550 ***
D 93210	119.6	121.3	1.7	100	schist/metasandstone, 15% quartz	<0.02	<0.002
D 93211	121.3	124.0	2.7	100	metasandstone/20% schist, 15-20% quartz	<0.02	<0.002
D 93212	128.2	132.0	3.8	100	schist, 60% quartz	<0.02	0.002
D 93213	146.0	147.0	1.0	100	metasandstone, 7% quartz, marcasite	<0.02	<0.002
D 93214	151.0	152.0	1.0	100	metasandstone, 7% quartz	<0.02	<0.002
D 93215	155.6	157.0	1.4	100	metasandstone, 35% quartz	<0.02	0.002
D 93216	168.5	171.0	2.5	100	metasandstone, 15% schist, 60% quartz	<0.02	<0.002
D 93217	232.0	237.0	5.0	100	garnet andalusite schist, 70% quartz	<0.02	<0.002
D 93218	252.0	256.7	4.7	100	garnet andalusite schist	<0.02	<0.002
D 93219	277.0	281.0	4.0	100	garnet andalusite schist/sandstone 40% quartz lenses	<0.02	<0.002
D 93220	290.5	293.6	3.1	100	metasandstone/schist, 15% quartz	0.02	0.029

ASSAY LOG

COMPANY: BEAU PRE EXPLORATIONS LTD.
PROPERTY: Valentine Mountain

HOLE: DDH # 6

E. W. GROVE CONSULTANTS LTD.
6751 Barbara Drive, Victoria, B.C.

LABORATORY: BONDAR-CLEGG
ASSAY REPORT: 423-0652, 423-0632

DATE: 18 MAY 83

Sample No.	Feet From	Feet To	Feet Length	Rec %	ROCK TYPE	SILVER oz/ton	GOLD oz/ton
D 93221	298.5	301.5	3.0	100	schist/metasandstone, 15% quartz	<0.02	<0.002
D 93223	345.5	348.0	2.5	100	schist/metasandstone	<0.02	<0.002
D 93224	427.0	430.0	3.0	100	granite dike	<0.02	<0.002
D 93222	662.0	667.0	5.0	100	amphibolite, quartz vein/breccia, marcasite	0.04	0.095

DIAMOND DRILL GEOLOGICAL LOG

COMPANY: BEAU PRE EXPLORATIONS LTD.

E. W. GROVE CONSULTANTS LTD.
6751 Barbara Dr., Victoria, B.C.

Property: Valentine Mtn.
Hole No. DDH #7 Core: BQ

Logged by: E.W. Grove, Ph.D., P.Eng.
Date: April 19, 1983

Azimuth: 180° Dip: -45°
Length: 50 meters

From	To	Length	Rec. %	Rock Description
0	4.0'	4.0'	0	overburden.
4.0'	35.0'	31.0'	90	amphibolitized woodgrain metasandstone, with some intercalated garnet andalusite schist; cut by fine to medium quartz veins and lenses and veinlets; clear colorless to pink garnet up to 2 cm developed in both metasandstone and garnet schist; moderately broken, some weathering to 25 feet; foliation generally sub-parallel to core, contorted in schistose material; narrow (3-5 mm) quartz veinlets cut core at 90°.
35.0'	131.5'	96.5'		metasandstone, woodgrain, massive, medium grained biotite as laminae, salt and pepper aspect, foliation sub-parallel to 75° to core; marcasite along fractures and foliation; frequency of fine quartz veins highest 91' to 110'
131.5'	159.0'	27.5'	60	deformed, altered garnet andalusite schist; contorted, ptygmatic quartz veinlets, grey quartz, quartz as narrow irregular lenses, quartz as narrow grey veins parallel to foliation; crushed garnets, some secondary garnets, rare to minor epidote; lost core 151-159, ground, shear zone.
159.0'	166.0' END	7.0'		crushed, fractured, woodgrain metasandstone biotite as laminae, some quartz as lenses.
		SAMPLE INTERVALS		
95.0'	99.0'	4.0'	80%	sandstone, 5-7% quartz as lenses.
100.0'	102.5'	2.5'	80%	sandstone, 10% quartz as lenses.
104.0'	106.8'	2.8'	70%	sandstone, 10% quartz as lenses.

DIAMOND DRILL GEOLOGICAL LOG

COMPANY: BEAU PRE EXPLORATIONS LTD.

E. W. GROVE CONSULTANTS LTD.
6751 Barbara Dr., Victoria, B.C.

Property: Valentine Mtn.
Hole No. DDH #7 Core: BQ

Logged by: E.W. Grove, Ph.D., P.Eng.
Date: April 19, 1983

Azimuth: 180° Dip: -45°
Length: 50 meters

From	To	Length	Rec. %	Rock Description
				SAMPLE INTERVALS CON'T.
106.8'	110.0'	3.2'	90%	sandstone, 5% quartz as lenses.
127.2'	129.0'	1.8'	100%	sandstone, 20% quartz as lenses.
129.0'	131.2'	2.2'	100%	sandstone, 5% quartz as lenses.
144.0'	152.5'	8.5'	50%	garnet schist, 10% grey quartz as narrow veins.
163.0'	166.0'	3.0'	100%	sandstone, 3-5% grey quartz as lenses.

ASSAY LOG

COMPANY: BEAU PRE EXPLORATIONS LTD.
PROPERTY: Valentine Mountain

HOLE: DDH # 7

E. W. GROVE CONSULTANTS LTD.
6751 Barbara Drive, Victoria, B.C.

LABORATORY: BONDAR-CLEGG
ASSAY REPORT: 423-0555

DATE: 29 Apr 83
Page 1 of 1

Sample No.	Feet From	Feet To	Feet Length	Rec %	ROCK TYPE	SILVER oz/ton	GOLD oz/ton
93291	24.5	29.5	5.0	90	metasandstone/schist, quartz veinlets	<0.02	0.006
93292	29.5	33.5	4.0	90	metasandstone/schist, quartz veinlets	<0.02	0.006
93259	95.0	99.0	4.0	80	sandstone, 5-7% quartz lenses	<0.02	<0.002
93260	100.0	102.5	2.5	80	sandstone, 10% quartz lenses	<0.02	<0.002
93261	104.0	106.8	2.8	70	sandstone, 10% quartz lenses	<0.02	<0.002
93262	106.8	110.0	3.2	90	sandstone, 5% quartz lenses	<0.02	<0.002
93263	127.2	129.0	1.8	100	sandstone, 20 % quartz lenses	<0.02	<0.002
93264	129.0	131.2	2.2	100	sandstone, 5% quartz lenses	0.02	0.002
93265	144.0	152.5	8.5	50	garnet andalusite schist, 10% quartz as narrow veins	0.02	0.010
93266	163.0	166.0	3.0	100	sandstone, 3-5% grey quartz lenses	<0.02	<0.002

DIAMOND DRILL GEOLOGICAL LOG

COMPANY: BEAU PRE EXPLORATIONS LTD.

E. W. GROVE CONSULTANTS LTD.
6751 Barbara Dr., Victoria, B.C.

Property: Valentine Mtn.
Hole No. DDH # 7A Core: BQ

Logged by: E.W. Grove, Ph.D., P.Eng.
Date: April 19, 1983

Azimuth: S 30° W Dip: -45°
Length: 103 meters

From	To	Length	Rec. %	Rock Description
0	4.0°		0%	overburden.
4.0'	25.0'	21.0'	90%	amphibolitized metasandstone; broken, partially decomposed; clear garnet to 15mm, banding mainly biotite as foliae; foliation approximately parallel to core; minor quartz/marcasite as irregular lenses.
25.0'	146.7'	121.7'	90%	metasandstone; woodgrain, irregular biotite as foliae; foliation sub-parallel to core to 70° to core; narrow quartz veinlets perpendicular to core, relatively widely spaced (2 cm to 10 cm) - veinlets 2 mm to 2 cm; very fine grained actinolite developed sporadically 115 through 135; negligible magnetite.
146.7'	167.0'	20.3'	85%	altered, deformed garnet andalusite schist; foliation contorted, generally at 70° to sub-parallel to foliation at 155 to 156 (approximately 10 cm wide); scattered marcasite.
167.0'	223.0'	56.0'	85%	narrow zones garnet andalusite schist mixed with metasandstone to 179'; mainly metasandstone, minor quartz as lenses; woodgrain structure; garnet andalusite schist from 194 to 196', contorted with minor fold axes (kink) at 50° to core - narrow marcasite/quartz veinlets along fold axes as usual; woodgrain structure well developed from 196' on; stockwork-like quartz zone from 217 to 220'; approximately 40% quartz as lenses.
223.0'	300.0'	77.0'	80%	garnet andalusite schist; contorted, foliation at 40-45° to core; fine garnet

DIAMOND DRILL GEOLOGICAL LOG

COMPANY: BEAU PRE EXPLORATIONS LTD.

E. W. GROVE CONSULTANTS LTD.
6751 Barbara Dr., Victoria, B.C.

Property: Valentine Mtn.
Hole No. DDH # 7A Core: BQ

Logged by: E.W. Grove, Ph.D., P.Eng.
Date: April 19, 1983

Azimuth: S 30° W Dip: -45°
Length: 103 meters

From	To	Length	Rec. %	Rock Description
223.0'	300.0'			continued (1 mm) throughout, minor marcasite, scant epidote, minor quartz as phacoliths and lenses; 5 cm breccia zone at 261½ feet; more quartz than normal 269 to 278 with more epidote; unusual feldspar and epidote at 279-281 (?).
300.0'	306.0'	6.0'	100%	metasandstone (minor garnet andalusite schist).
306.0'	316.5'	10.5'	90%	garnet andalusite schist; as above, minor quartz as lenses.
316.5'	339.0' END	22.5'	95%	metasandstone; 3-4 cm quartz vein at 90° to core with one speck Visible Gold; foliation sub-parallel to 60° to core; 2 cm quartz vein at 90° to core at 337' (garnet andalusite schist at 321 to 326 intercalated with woodgrain sandstone - contorted, minor quartz lenses); scattered quartz lenses and veinlets 329 to 332.
---------- SAMPLE INTERVALS ----------				
18.5'	21.5'	3.0'	70%	metasandstone, 5% quartz lenses.
23.0'	28.0'	5.0'	70%	metasandstone, 10% quartz lenses.
28.0'	31.5'	3.5'	100%	metasandstone, 10% quartz lenses.
31.5'	36.0'	4.5'	90%	metasandstone, 15% quartz lenses.
42.5'	44.0'	1.5'	80%	metasandstone, 5% quartz lenses.
104.5'	109.0'	4.5'	90%	metasandstone, 10% quartz lenses and veins.
177.0'	179.0'	2.0'	80%	metasandstone.

DIAMOND DRILL GEOLOGICAL LOG

COMPANY: BEAU PRE EXPLORATIONS LTD.

E. W. GROVE CONSULTANTS LTD.
6751 Barbara Dr., Victoria, B.C.

Property: Valentine Mtn.
Hole No. DDH # 7A Core: BQ

Logged by: E.W. Grove, Ph.D., P.Eng.
Date: April 19, 1983

Azimuth: S 30° W Dip: -45°
Length: 103 meters

From	To	Length	Rec. %	Rock Description
194.5'	198.0'	3.5'	70%	metasandstone and minor schist, 20% quartz as lenses.
198.0'	201.5'	3.5'	70%	metasandstone, 20% quartz lenses.
201.5'	204.0'	2.5'	60%	metasandstone, 20% quartz lenses.
208.0'	210.5'	2.5'	95%	metasandstone, 25% quartz lenses.
211.0'	213.0'	2.0'	80%	metasandstone, 30% quartz lenses and veinlets.
217.0'	220.0'	3.0'	80%	metasandstone, 5% quartz lenses.
268.5'	272.5'	4.0'	95%	garnet andalusite schist, 30% quartz lenses
272.5'	276.8'	4.3'	95%	garnet andalusite schist, 30% quartz lenses
281.4'	286.4'	5.0'	90%	garnet andalusite schist, 30% quartz lenses
295.2'	300.2'	5.0'	90%	garnet andalusite schist.
302.0'	307.0'	5.0'		metasandstone and some garnet andalusite schist, 10% quartz lenses.
316.4'	317.5'	1.1'	98%	metasandstone.
317.5'	318.0'	0.5'	100%	metasandstone and quartz and Visible Gold.
318.0'	319.0'	1.0'		metasandstone, negligible quartz.
329.0'	332.0'	3.0'	100%	metasandstone, 5% quartz as lenses.
338.0'	339.0'	1.0'		metasandstone, 10% quartz as lenses.

ASSAY LOG

E. W. GROVE CONSULTANTS LTD.
6751 Barbara Drive, Victoria, B.C.

COMPANY: BEAU PRE EXPLORATIONS LTD.
PROPERTY: Valentine Mountain
LABORATORY: BONDAR-CLEGG
ASSAY REPORT: 423-0555

HOLE: DDH # 7A
DATE: 29 Apr 83

Sample No.	Feet From	Feet To	Feet Length	Rec %	ROCK TYPE	SILVER oz/ton	GOLD oz/ton
93267	18.5	21.5	3.0	70	metasandstone, 5% quartz lenses	0.02	0.002
93268	23.0	28.0	5.0	70	metasandstone, 10% quartz lenses	0.02	0.006
93269	28.0	31.5	3.5	100	metasandstone, 10% quartz lenses	0.02	0.016
93270	31.5	36.0	4.5	90	metasandstone, 15% quartz lenses	<0.02	<0.002
93271	42.5	44.0	1.5	80	metasandstone, 5% quartz lenses	0.02	0.002
93272	104.5	109.0	4.5	90	metasandstone, 10% quartz lenses/veins	<0.02	<0.002
93273	177.0	179.0	2.0	80	metasandstone	<0.02	<0.002
93274	194.5	198.0	3.5	70	metasandstone, minor schist, 20% quartz lenses	<0.02	0.002
93275	198.0	201.5	3.5	70	metasandstone, 20% quartz as lenses	<0.02	<0.002
93276	201.5	204.0	2.5	60	metasandstone, 20% quartz as lenses	0.02	0.003
93277	208.0	210.5	2.5	95	metasandstone, 25% quartz	<0.02	<0.002
93278	211.0	213.0	2.0	80	metasandstone, 30% quartz lenses and veinlets	<0.02	<0.002
93279	217.0	220.0	3.0	80	metasandstone, 5% quartz lenses	<0.02	<0.002
93280	268.5	272.5	4.0	95	garnet andalusite schist, 30% quartz	<0.02	<0.002
93281	272.5	276.8	4.3	95	garnet andalusite schist, 30% quartz	<0.02	<0.002
93290	276.8	278.5	1.7	80	garnet andalusite schist	<0.02	<0.002
93282	281.4	286.4	5.0	90	garnet andalusite scist, 30% quartz	<0.02	<0.002
93283	295.2	300.2	5.0	90	garnet andalusite schist	<0.02	0.004
93284	302.0	307.0	5.0	90	metasandstone, some garnet andalusite schist, 10% quartz lenses	<0.02	0.005

ASSAY LOG

COMPANY: BEAU PRE EXPLORATIONS LTD.
PROPERTY: Valentine Mountain

HOLE: DDH # 7A

E. W. GROVE CONSULTANTS LTD.
6751 Barbara Drive, Victoria, B.C.

LABORATORY: BONDAR-CLEGG
ASSAY REPORT: 423-0555

DATE: 29 Apr 83

Sample No.	Feet From	Feet To	Feet Length	Rec %	ROCK TYPE	SILVER oz/ton	GOLD oz/ton
93285	316.4	317.5	1.1	98	metasandstone	0.02	0.037
93286	317.5	318.0	0.5	100	metasandstone, quartz, Visible Gold ***	<0.02	<0.002 ***
93287	318.0	319.0	1.0	95	metasandstone, negligible quartz	<0.02	<0.002
93288	329.0	332.0	3.0	100	metasandstone, 5% quartz lenses	<0.02	<0.002
93289	338.0	339.0	1.0	95	metasandstone, 10% quartz lenses	<0.02	0.003

DIAMOND DRILL GEOLOGICAL LOG

COMPANY: BEAU PRE EXPLORATIONS LTD.

E. W. GROVE CONSULTANTS LTD.
6751 Barbara Dr., Victoria, B.C.

Property: Valentine Mtn.
Hole No. DDH # 9 Core: NQ

Logged by: E.W. Grove, Ph.D., P.Eng.
Date: December 22, 1982

Azimuth: 000° Dip: -45°
Length: 58 meters

From	To	Length	Rec. %	Rock Description
0	8.0'	8.0'	0%	overburden
8.0'	19.5'	11.5'	85%	thinly, irregularly banded, fine grained salt and pepper metasandstone, banding at 80° to core, slight contortion, <10% thin quartz lenses.
15.5'	16.5'	1.0'	90%	as above, 40% quartz lenses, bands at 90°, fractured, minor limonite.
16.5'	19.5'	3.0'	95%	metasandstone as above.
19.5'	20.0'	0.5'	100%	dull white to glassy quartz (minor sandstone) irregular lenses.
20.0'	29.0'	9.0'	95%	garnet andalusite schist, foliation at 70°, minor intercalated thin banded sandstone, <10% thin dull white quartz as lenses.
29.0	30.5'	0.5'	100%	as above, 50% irregular, dull white to glassy quartz.
30.5'	31.5'	1.0'	95%	as above, 70% irregular, dull white to glassy quartz.
31.5	35.0	3.5'	95%	salt and pepper metasandstone, bands at 80°
35.0'	36.5'	1.5'	90%	as above, 30% dull white quartz as irregular lenses.
36.5'	50.0'	13.5'	95%	fairly massive salt and pepper metasandstone, minor schist from 42.6 to 44, banding at 70-75°.
50.0'	59.0'	9.0'	60%	as above, moderately fractured, minor fine grained pyrite on fractures, 5% as lenses.

DIAMOND DRILL GEOLOGICAL LOG

COMPANY: BEAU PRE EXPLORATIONS LTD.

E. W. GROVE CONSULTANTS LTD.
6751 Barbara Dr., Victoria, B.C.

Property: Valentine Mtn.
Hole No. DDH # 9 Core: NQ

Logged by: E.W. Grove, Ph.D., P.Eng.
Date: December 22, 1982

Azimuth: 000° Dip: -45°
Length: 58 meters

From	To	Length	Rec. %	Rock Description
59.0	65.0	6.0'	95%	as above, banding at 80°, fault at 62.5'.
65.0'	68.0'	3.0'	50%	dark, schistose/sandstone, fine grained pyrite on fractures.
68.0'	69.6'	1.6'	95%	fine grained dark, garnet schist/sandstone foliation at 45-50', quartz lenses 45-50°, approximately 35%.
69.6'	127.5'	57.9'	100%	fine grained salt and pepper, and woodgrain thin banded metasandstone; generally uniform thin banding to 92.0' at 70° to core; - contorted 94 to 99, becoming darker and more schistose 106' on, contorted 110 to 114.
111.0'	113.5'	2.5	100%	contorted fine grained mixed schist/sandstone with thin dull white quartz as lenses and veinlets - approximately 40%.
113.5'	116.9'	3.4'	100%	fine grained salt and pepper sandstone and woodgrain sandstone, minor schist, contorted, minor quartz as lenses.
116.9'	119.3'	2.4'	95%	as above, banding approximately parallel to core, 60% dull white quartz as lenses and ribbons.
119.3'	127.0'	7.7'	90%	contorted salt and pepper/woodgrain sandstone, up to 10% quartz as thin lenses, minor quartz veinlets - becoming more biotitic towards 127.
127.0'	129.5'	2.5'	90%	garnet andalusite schist, minor intercalated sandstone, with 35% irregular quartz as lenses, minor pyrite, contorted.
129.5'	133.2'	3.7'	95%	as above, crumpled.

DIAMOND DRILL GEOLOGICAL LOG

COMPANY: BEAU PRE EXPLORATIONS LTD.

E. W. GROVE CONSULTANTS LTD.
6751 Barbara Dr., Victoria, B.C.

Property: Valentine Mtn.
Hole No. DDH # 9 Core: NQ

Logged by: E.W. Grove, Ph.D., P.Eng.
Date: December 22, 1982

Azimuth: 000' Dip: -45°
Length: 58 meters

From	To	Length	Rec. %	Rock Description
133.2'	138.2'	5.0'	85%	very fine grained garnet andalusite schist, contorted, foliation to 60° to core, minor quartz as lenses/veinlets.
138.2'	139.0'	0.8'	80%	as above, 50% irregular dull white quartz as lenses.
139.0'	148.0'	9.0'	90%	contorted fine grained garnet andalusite schist, minor salt and pepper sandstone as lenses (wafers), minor quartz.
148.0'	149.5'	1.5'	85%	as above, 35% dull white quartz as irregular lenses.
149.5'	151.8'	2.3'	100%	as above, dull grey and white quartz as irregular veins to 5 cm forming 50% of core at variable angles to core.
151.8'	167.0'	15.2'	50%	finely banded garnet andalusite schist, foliation at 70° to core; very fine grained pyrite (marcasite) on fractures, 10% (or less) thin grey quartz lenses parallel to foliation, variable fine grained metasandstone intercalated with schist.
167.0'	183.0'	16.0'	95%	contorted (schistose) woodgrain metasandstone with intercalated schist laminae, quartz as veinlets and lenses forming 35 to 55% of core, scattered fine grained pyrite (marcasite).
167.0'	171.0'	4.0'	95%	foliation at 167' at 80°, at 168' at 45°, at 169-171 parallel to core; 10% grey quartz as veins, 20% as thin lenses parallel to foliation.
171.0'	175.0'	4.0'	90%	foliation generally about 40 to 50° to core, 50% dull white quartz as lenses.

DIAMOND DRILL GEOLOGICAL LOG

COMPANY: BEAU PRE EXPLORATIONS LTD.

E. W. GROVE CONSULTANTS LTD.
6751 Barbara Dr., Victoria, B.C.

Property: Valentine Mtn.
Hole No. DDH # 9 Core: NQ

Logged by: E.W. Grove, Ph.D., P.Eng.
Date: December 22, 1982

Azimuth: 000° Dip: -45°
Length: 58 meters

From	To	Length	Rec. %	Rock Description
175.0'	179.0'	4.0'	95%	dull grey to white quartz lenses form 55% as lenses 1-2 cm wide.
179.0'	183.0'	4.0'	100%	as above, 35% quartz as lenses, becomes more schistose towards 183 feet.
183.0'	193.0' END	10.0'	100%	mixed woodgrain metasandstone and schistose metasandstone; foliation generally 40-50° to core; minor quartz as veinlets at 186, 187.1, and 190.5 - variable from parallel to 45° to core; brown biotite becomes apparent from about 188 increasing towards bottom of hole at 193.0'; aspect of core suggests fine grained actinolite present, as in local amphibolite.

ASSAY LOG

E. W. GROVE CONSULTANTS LTD.
6751 Barbara Drive, Victoria, B.C.

COMPANY: BEAU PRE EXPLORATIONS LTD.
PROPERTY: Valentine Mountain
LABORATORY: CHEMEX LABS LTD.
ASSAY REPORT: A8214703 & A8214961

HOLE: DDH # 9
DATE: 13 Dec 82

Sample No.	Feet From	Feet To	Feet Length	Rec %	ROCK TYPE	SILVER oz/ton	GOLD oz/ton
53559	15.5	16.5	1.0	100	metasandstone, 40% quartz	0.03	0.010
53560	19.5	20.0	0.5	100	quartz vein	0.01	0.005
53561	29.0	30.5	1.5	100	schist, 50% quartz	<0.01	0.003
53562	30.5	31.5	1.0	100	schist, 70% quartz	0.03	<0.003
53563	35.0	36.5	1.5	100	metasandstone, 30% quartz	0.01	<0.003
53564	68.0	69.6	1.6	100	schist, 35% quartz	0.03	<0.003
53565	111.0	113.5	2.5	100	schist/sandstone, 40% quartz	0.01	0.022
53566	116.9	119.3	2.4	100	metasandstone, 60% quartz	0.02	0.003
53567	127.0	129.5	2.5	100	schist, 35% quartz	0.02	0.046
53568	129.5	133.2	3.7	100	schist, 35% quartz	0.01	<0.003
53569	138.2	139.0	0.8	100	schist, 50% quartz	0.02	<0.003
53570	148.0	149.5	1.5	100	schist, 35% quartz	0.02	0.006
53571	149.5	151.8	2.3	100	50% quartz in schist/sandstone	0.02	<0.003
53572	151.8	167.0	15.2	50	schist/metasandstone, 10% quartz	0.01	<0.003
53573	167.0	171.0	4.0	95	metasandstone/ schist, 35-55% quartz	0.01	<0.003
53574	171.0	175.0	4.0	95	50% quartz lenses	0.01	<0.003
53575	175.0	179.0	4.0	95	55% quartz lenses	0.02	<0.003
53576	179.0	183.0	4.0	95	schistose metasandstone, 35% quartz lenses	0.02	0.003

DIAMOND DRILL GEOLOGICAL LOG

COMPANY: BEAU PRE EXPLORATIONS LTD.

E. W. GROVE CONSULTANTS LTD.
6751 Barbara Dr., Victoria, B.C.

Property: Valentine Mtn.
Hole No. DDH # 12A Core: BQ

Logged by: E.W. Grove, Ph.D., P.Eng.
Date: April 19, 1983

Azimuth: 180° Dip: -45°
Length: 60 METERS

From	To	Length	Rec. %	Rock Description
0	3.0'	3.0'	0	overburden.
3.0'	27.0'	24.0'	85%	altered metasandstone, finely banded at 45 - 50° to core; broken, irregular fractures, oxidized along pyrite biotite rich laminae, some grinding; minor quartz and carbonate as thin irregular veins and as irregular lenses; - coarse grained biotite with irregular hornblende (quartz, calcite) patches, some contorted banding, at 47' banding approximately 20° to core, alteration (hornblende, calcite, quartz) more abundant.
49.0'	69.0'	20.0'	95%	good woodgrain texture (sandstone) with biotite laminae well developed.
69.0'	97.0'	28.0'	100%	massive fine grained metasandstone, minor alteration and minor quartz calcite veinlets.
97.0'	116.0'	19.0'	95%	moderately altered amphibolitized meta-sandstone; separate biotite (medium to coarse grained) and hornblende as laminae with irregular quartz calcite lenses and veinlets; 1 inch quartz vein at 105', foliation becomes approximately parallel to core at 115', truncated at 45° at 116'.
116.0'	164.0'	48.0'	100%	woodgrain sandstone, foliation generally 45° to core, 1 inch quartz vein perpendicular to core at 154.3'.
164.0'	170.0'	6.0'	85%	deformed garnet andalusite schist with 20% quartz/carbonate lenses; 1 inch quartz vein perpendicular to core at 167'.

DIAMOND DRILL GEOLOGICAL LOG

COMPANY: BEAU PRE EXPLORATIONS LTD.

E. W. GROVE CONSULTANTS LTD.
6751 Barbara Dr., Victoria, B.C.

Property: Valentine Mtn.
Hole No. DDH # 12A Core: BQ

Logged by: E.W. Grove, Ph.D., P.Eng.
Date: April 19, 1983

Azimuth: 180° Dip: -45°
Length: 60 METERS

From	To	Length	Rec. %	Rock Description
170.0'	196.0' END	26.0'	100%	woodgrain, dense medium grained salt and pepper, well banded metasandstone foliation marked by medium grained biotite - bands at 45° - becoming approximately parallel to core at 196'.

ASSAY LOG

COMPANY: BEAU PRE EXPLORATIONS LTD.
PROPERTY: Valentine Mountain

HOLE: DDH # 12A

E. W. GROVE CONSULTANTS LTD.
6751 Barbara Drive, Victoria, B.C.

LABORATORY: BONDAR-CLEGG
ASSAY REPORT: 423-0555

DATE: 29 Apr 83

Sample No.	Feet From	Feet To	Feet Length	Rec %	ROCK TYPE	SILVER oz/ton	GOLD oz/ton
93296	165.0	171.0	6.0	85	garnet andalusite schist, 20% quartz	<0.02	0.060

DIAMOND DRILL GEOLOGICAL LOG

COMPANY: BEAU PRE EXPLORATIONS LTD.

E. W. GROVE CONSULTANTS LTD.
6751 Barbara Dr., Victoria, B.C.

Property: Valentine Mtn.
Hole No. DDH # 12N Core: BQ

Logged by: E.W. Grove, Ph.D., P.Eng.
Date: April 19, 1983

Azimuth: 000° Dip: -55°
Length: 168 METERS

From	To	Length	Rec. %	Rock Description
0	10.0'	10.0'	0	overburden.
10.0'	56.0'	46.0'	95%	amphibolitized metasandstone (?), well banded, thin biotite laminae, actinolite/ magnetite/quartz/calcite as laminae at 50° to core, minor quartz as lenses.
56.0'	92.0'	36.0'	98%	amphibolite, fine grained with medium grained actinolite clusters in quartz carbonate as laminae; medium grained biotite as irregular laminae, bands at 60° to core, overall grey green aspect; irregular quartz and calcite veinlets 78 to 80 feet.
92.0'	116.0'	24.0'	100%	dense, fine grained, relatively massive amphibolite (altered sandstone ?) with fine grained biotite, weakly banded at 60° - phyllitic minor pyrite/marcasite.
116.0	277.0'	161.0'	95%	amphibolite, finely banded, abundant thin quartz-calcite lenses; euhedral magnetite, scattered narrow quartz veins 173-175'; quartz-carbonate as narrow irregular stringer zones a few millimeters to 4 to 5 cm wide, pink aspect, cut altered metasandstone; medium grained magnetite throughout altered zone as disseminated crystals to 2 mm; medium grained brown biotite developed as clots; very fine grained hornblende (actinolite) disseminated throughout; whole cut by 1-2 mm wide calcite veinlets with very fine grained tourmaline (?); foliation generally at 60-70° to core, but very contorted from 260' toward where schist mixed with metasandstone.

DIAMOND DRILL GEOLOGICAL LOG

COMPANY: BEAU PRE EXPLORATIONS LTD.

E. W. GROVE CONSULTANTS LTD.
6751 Barbara Dr., Victoria, B.C.

Property: Valentine Mtn.
Hole No. DDH # 12N Core: BQ

Logged by: E.W. Grove, Ph.D., P.Eng.
Date: April 19, 1983

Azimuth: 000° Dip: -55°
Length: 168 METERS

From	To	Length	Rec. %	Rock Description
277.0'	551.0' END OF HOLE	274.0'	90%	garnet andalusite schist; contorted, foliation generally at 60-70° to core with fine scale fold axes at 70° to core - very fine grained marcasite veinlets along axial planes; clear to pinkish crystalline garnet developed in biotite lenses and in the medium grained grey quartz layers (phacoliths) average apprroximately 5 mm; andalusite only as shimmer aggregates; old garnet as rolled fragments; marcasite along foliation planes in biotite layers; grey quartz lenses form up to 60% of rocks; larger, massive "bull" quartz from 2 cm to 15 cm, cutting across schist; some with vey fine grained marcasite along fine, irregular fractures; granular fine to medium grained epidote as blebs, lenses and streaks throughout section; narrow gypsum veinlets with quartz veins and cutting schist throughout sections.
		SAMPLE INTERVALS		
343.0'	344.0'	1.0'	90%	garnet andalusite schist, 15% grey/white quartz as lenses.
346.1'	346.7'	0.6'	95%	garnet andalusite schist, 1 inch grey quartz vein at 45° to core, cuts schist.
354.0'	355.0'	1.0'	100%	garnet andalusite schist, 6 inch grey to white quartz vein.
368.0'	369.0'	1.0'	95%	garnet andalusite schist, 20% grey/white quartz as lenses.
457.0'	457.5'	0.5'	100%	garnet andalusite schist, 20% grey/white quartz as lenses.

DIAMOND DRILL GEOLOGICAL LOG

COMPANY: BEAU PRE EXPLORATIONS LTD.

E. W. GROVE CONSULTANTS LTD.
6751 Barbara Dr., Victoria, B.C.

Property: Valentine Mtn.
Hole No. DDH # 12N Core: BQ

Logged by: E.W. Grove, Ph.D., P.Eng.
Date: April 19, 1983

Azimuth: 000° Dip: -55°
Length: 168 METERS

From	To	Length	Rec. %	Rock Description
481.5'	481.9'	0.4'	90%	garnet andalusite schist, 20% grey/white quartz as lenses.
502.0'	503.0'	1.0'	90%	garnet andalusite schist, 2 inch grey quartz vein cuts schist at 60°.
520.0'	522.0'	2.0'	85%	garnet andalusite schist, 30% grey quartz as lenses.

ASSAY LOG

COMPANY: BEAU PRE EXPLORATIONS LTD.
PROPERTY: Valentine Mountain

HOLE: DDH # 12N

E. W. GROVE CONSULTANTS LTD.
6751 Barbara Drive, Victoria, B.C.

LABORATORY: BONDAR-CLEGG
ASSAY REPORT: 423-0555

DATE: 29 Apr 83

Sample No.	Feet From	Feet To	Feet Length	Rec %	ROCK TYPE	SILVER oz/ton	GOLD oz/ton
93293	173.0	175.0	2.0	95	quartz veins, magnetite	<0.02	0.003
93251	343.0	344.0	1.0	90	garnet andalusite schist, 15% quartz lenses	0.02	0.002
93252	346.1	346.7	0.6	95	garnet andalusite schist, 1" quartz vein at 45'	<0.02	<0.002
93294	348.0	349.0	1.0	90	garnet andalusite schist	<0.02	<0.002
93253	354.0	355.0	1.0	100	garnet andalusite schist, 6" quartz	0.02	0.002
93254	368.0	369.0	1.0	95	garnet andalusite schist, 20% quartz	<0.02	<0.002
93297	370.0	370.9	0.9	95	garnet andalusite schist, 20% quartz	<0.02	<0.002
93255	457.0	457.5	0.5	100	garnet andalusite schist, 20% quartz	<0.02	0.006
93256	481.5	481.9	0.4	90	garnet andalusite schist, 20% quartz	<0.02	<0.002
93257	502.0	503.0	1.0	90	garnet andalusite schist, 2" quartz	<0.02	<0.002
93258	520.0	522.0	2.0	85	garnet andalusite schist, 30% quartz	<0.02	<0.002
93295	533.0	534.0	1.0	90	garnet andalusite schist	<0.02	0.002

DIAMOND DRILL GEOLOGICAL LOG

COMPANY: BEAU PRE EXPLORATIONS LTD.

E. W. GROVE CONSULTANTS LTD.
6751 Barbara Dr., Victoria, B.C.

Property: Valentine Mtn.
Hole No. DDH # 15 Core: NQ

Logged by: E.W. Grove, Ph.D., P.Eng.
Date: March 20, 1983

Azimuth: NORTH Dip: -45°
Length: 312 METERS

From	To	Length	Rec. %	Rock Description
0	8.0'	8.0'	15%	overburden, fractured, rusty, very fine grained pyritic metasandstone.
8.0'	34.5'	26.5'	65%	dark greenish grey metasandstone, irregular fractures, fine grained biotite as clots, salt and pepper aspect, foliation at 60° at 8', at 45° at 34', fine grained disseminated pyrite.
34.5'	37.0'	2.5'	100%	irregular white quartz and minor calcite and fine grained pyrite with salt and pepper sandstone.
37.0'	42.0'	5.0'	90%	metasandstone with 20% quartz as above, slightly vuggy, oxidized.
42.0'	50.0'	8.0'	70%	metasandstone - fractured - fault zones 42.0-45.0'; and 47-59 feet.
50.0'	51.0'	1.0'	50%	oxidized sandstone and 15% quartz.
51.0'	59.0'	8.0'	50%	oxidized, pyritic, crushed fault zone, metasandstone as fragments.
59.5'	63.0'	3.5'	100%	metasandstone, salt and pepper, minor quartz as lenses, foliation at 70°-80°.
63.0'	67.0'	4.0'	100%	metasandstone.
67.0'	88.0'	21.0'	100%	deformed garnet andalusite schist, foliation contorted, with fine grained sandstone lenses, 10% quartz lenses.
88.0'	95.5'	7.5'	100%	deformed garnet andalusite schist, 20% quartz and carbonate as lenses.
95.5'	99.0'	3.5'	100%	deformed garnet andalusite schist, 20% quartz and carbonate as lenses.

DIAMOND DRILL GEOLOGICAL LOG

COMPANY: BEAU PRE EXPLORATIONS LTD.

E. W. GROVE CONSULTANTS LTD.
6751 Barbara Dr., Victoria, B.C.

Property: Valentine Mtn.
Hole No. DDH # 15 Core: NQ

Logged by: E.W. Grove, Ph.D., P.Eng.
Date: March 20, 1983

Azimuth: NORTH Dip: -45°
Length: 312 METERS

From	To	Length	Rec. %	Rock Description
99.0'	136.5'	37.5'	99%	contorted, very fine grained chloritic garnet andalusite schist.
136.5'	141.0'	4.5'	100%	contorted grey quartz and carbonate as irregular lenses in schist - 25-30%.
141.0'	146.0'	5.0'	100%	contorted chloritic garnet andalusite schist, foliation at 60°.
146.0'	149.0'	3.0'	100%	as above, 15% quartz and carbonate, becoming sandy.
149.0'	151.5'	2.5'	90%	metasandstone, fine grained salt and pepper, fine grained garnet, massive, fine grained pyrite.
151.5'	154.5'	3.0'	80%	metasandstone, 15% quartz as lenses.
154.5'	187.0'	32.5'	90%	metasandstone, some schist, contorted, fractured, fault zone from 167-173'.
187.0'	189.0'	2.0'	100%	foliation at 60-70°; dense salt and pepper sandstone, very fine grained pyrite, 20% quartz lenses.
189.0'	194.0'	5.0'	95%	massive metasandstone, minor thin quartz lenses.
194.0'	195.0'	1.0'	90%	grey to white quartz, 30% in metasandstone.
195.0'	201.0'	6.0'	100%	massive metasandstone, minor woodgrain texture, foliation at 45-50°, minor thin quartz as lenses.
201.0'	202.5'	1.5'	95%	dense fine grained, greenish, massive granite gneiss (metasandstone).

DIAMOND DRILL GEOLOGICAL LOG

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6751 Barbara Dr., Victoria, B.C.

Property: Valentine Mtn.
Hole No. DDH # 15 Core: NQ

Logged by: E.W. Grove, Ph.D., P.Eng.
Date: March 20, 1983

Azimuth: NORTH Dip: -45°
Length: 312 METERS

From	To	Length	Rec. %	Rock Description
205.0'	208.0'	3.0'	95%	metasandstone, minor narrow fractures with grey quartz, rare carbonate.
210.0'	214.5'	4.5'	95%	biotite as discrete fine grained flakes and laminae in massive sandstone.
215.3'	219.7'	4.4'	95%	as above, banding at 60-70° to core - biotite in quartz lenses, medium to coarse grained, dark brown.
224.0'	230.0'	6.0'	100%	as above.
262.0'	266.0'	4.0'	90%	as above.
263.0'	272.0'	4.0'	100%	biotite granite gneiss as above, with thin cross-cutting alteration along hairline fractures - feldspar alteration ?.
271.0'	277.0'	6.0'	100%	25% quartz as irregular lenses and veinlets rare pyrite, carbonate.
272.0'	285.0'	13.0'	85%	deformed garnet andalusite schist with narrow ptygmatic quartz veinlets cut by hairline quartz veinlets.
285.0'	333.5'	48.5'	80%	finely intercalated dark andalusite schist and biotite gneiss with thin hairline to ribbon quartz veinlets - general foliation and banding at 45-60° to core.
278.0'	280.0'	2.0'	90%	as above, narrow ptygmatic quartz veinlets 10%, minor marcasite.
282.5'	288.0'	5.5'	95%	as above, 10% contorted white quartz lenses rare fine grained pyrite, minor carbonate.
291.5'	294.0'	2.5'	100%	as above.
296.5'	302.0'	5.5'	100%	as above.

DIAMOND DRILL GEOLOGICAL LOG

COMPANY: BEAU PRE EXPLORATIONS LTD.

E. W. GROVE CONSULTANTS LTD.
6751 Barbara Dr., Victoria, B.C.

Property: Valentine Mtn.
Hole No. DDH # 15 Core: NQ

Logged by: E.W. Grove, Ph.D., P.Eng.
Date: March 20, 1983

Azimuth: NORTH Dip: -45°
Length: 312 METERS

From	To	Length	Rec. %	Rock Description
303.0'	305.5'	2.5'	90%	as above, 10% contorted white quartz lenses rare fine grained pyrite, minor carbonate.
306.5'	311.0'	4.5'	90%	as above.
313.5'	316.0'	2.5'	80%	as above.
318.5'	326.8'	8.3'	95%	as above, fine quartz veinlets giving ribbon appearance to gneiss, approx. 15%.
334.0'	339.5'	5.5'	95%	as above.
341.0'	344.0'	3.0'	80%	as above, minor quartz veinlets and marcasite in narrow andalusite schist zone, foliation at 45°.
347.0'	348.5'	1.5'	85%	as above.
356.0'	363.5'	7.5'	95%	as above, quartz as veinlets and lenses, minor alteration along fractures as before.
333.5'	395.0'	61.5'	95%	generally massive biotite granite gneiss, salt and pepper aspect, banding at 45-60°, fine to hairline quartz veinlets, minor quartz lenses, minor/rare carbonate, biotite generally very fine grained to medium grained in quartz lenses, minor to rare very fine grained pyrite, becoming sericitic with fine grained actinolite.
375.5'	378.3'	2.8'		5% quartz as veinlets.
383.0'	385.5'	2.5'		5% quartz as veinlets.
389.0'	401.5'	12.5'		5% quartz as veinlets.

DIAMOND DRILL GEOLOGICAL LOG

COMPANY: BEAU PRE EXPLORATIONS LTD.

E. W. GROVE CONSULTANTS LTD.
6751 Barbara Dr., Victoria, B.C.

Property: Valentine Mtn.
Hole No. DDH # 15 Core: NQ

Logged by: E.W. Grove, Ph.D., P.Eng.
Date: March 20, 1983

Azimuth: NORTH Dip: -45°
Length: 312 METERS

From	To	Length	Rec. %	Rock Description
395.0'	408.0'	13.0'	90%	finely color banded, deformed garnet andalusite schist, thin feldspar, quartz sericite, biotite and fine grained hornblende bands similar to altered volcanic zones, with crudely banded very fine grained pyrtie, minor/rare magnetite, minor carbonate.
407.0'	409.5'	2.5'	80%	foliation perpendicular to core.
408.0'	468.0'	60.0'	98%	moderately to thinly banded, greenish grey to green metasandstone, salt and pepper aspect, generally massive, hairline to mottled alteration (apparent bleaching ?) with fine quartz veinlets, scattered quartz -carbonate lenses, somewhat better displayed woodgrain texture, foliation at 80° to core, sericite more abundant particularly in biotite laminae, laminations becoming more regular, minor fine grained amphibole developed across the mm scale laminae, very fine grained speck of Visible Gold in 3 inch quartz lens at 452.8
468.0'	520.0'	52.0'	95%	dark, thinly foliated, phyllitic, deformed garnet andalusite schist, foliation at 60-70° to core, with well developed 1-5 mm porphyroblasts of quartz, feldspar and epidote (?), some epidote in schist giving spotted appearance; minor quartz as hairline veinlets and lenses.
520.0'	541.0'	21.0'	98%	greyish, woodgrain metasandstone, contorted mm scale banding, minor inch scale schist lenses, minor quartz veinlets, massive, salt and pepper aspect, scattered quartz/ feldspar porphyroblasts as above in schist, biotite generally as foliae - very fine

DIAMOND DRILL GEOLOGICAL LOG

COMPANY: BEAU PRE EXPLORATIONS LTD.

E. W. GROVE CONSULTANTS LTD.
6751 Barbara Dr., Victoria, B.C.

Property: Valentine Mtn.
Hole No. DDH # 15 Core: NQ

Logged by: E.W. Grove, Ph.D., P.Eng.
Date: March 20, 1983

Azimuth: NORTH Dip: -45°
Length: 312 METERS

From	To	Length	Rec. %	Rock Description
				grained with medium to coarse grained brown biotite with quartz lenses, rare very fine grained amphibole, marcasite as blebs along fractures and along schistosity planes as in schist.
541.0'	723.0'	182.0'	100%	amphibolite, striped aspect, mm to inch scale lenses medium grained brown biotite and fine to medium grained actinolite intercalated with very fine grained actinolite (radiating clusters to laminae), calcite and minor feldspar/quartz, foliation generally at 80° to core - biotite appears to decrease in amount donw-hole, with actinolite increasing, carbonate increases becoming creamy colored 668-680', coarse grained biotite continues through core as discrete lenses - boudins?; actinolite continues and fine grained brown hornblende increases towards toe; minor feldpathic (?) alteration as thin mm scale lenses and veinlets; calcite as veinlets along late fractures (muddy); fine grained pyrite along discrete feldspar laminae; folia variably phyllitic to sericitic; actinolite to 0.5 cm in clusters; hornblende to 0.2 cm as crystals.
723.0'	759.0'	36.0'	100%	amphibolite, fine grained, dense, massive, weak banding at 80° to core, minor calcite veinlets, weakly carbonatized, relatively minor biotite, rare hornblende; actinolite-feldspar comprises bulk of rock.
759.0'	826.6'	67.6'	100%	amphibolite, as above; chunky bronze color hornblende 770 through 826.6; irregular quartz carbonate as lenses 15% with creamy to white carbonate stringers, minor

DIAMOND DRILL GEOLOGICAL LOG

COMPANY: BEAU PRE EXPLORATIONS LTD.

E. W. GROVE CONSULTANTS LTD.
6751 Barbara Dr., Victoria, B.C.

Property: Valentine Mtn.
Hole No. DDH # 15 Core: NQ

Logged by: E.W. Grove, Ph.D., P.Eng.
Date: March 20, 1983

Azimuth: NORTH Dip: -45°
Length: 312 METERS

From	To	Length	Rec. %	Rock Description
				disseminated pyrite and rare chalcopyrite; irregular narrow granitized zones; narrow quartz vein section from about 816' through to 826.6'.
826.6'	827.0'	0.4'	90%	quartz vein - foliation at 80° to core, weakly foliated fine grained mafic <1%.
827.0'	829.0'	2.0'	100%	amphibolite - narrow calcite fractures at 20°.
829.0'	836.5'	7.5'	100%	amphibolite, foliation at 80° to core.
836.5'	897.5'	61.0'	100%	amphibolite, as above.
897.5'	914.4'	16.9'	100%	altered metasandstone, finely disseminated pyrite (2-3%), white quartz lenses (10%), fine grained brown biotite, foliation cuts sandstone banding at 060-070° to core, banding is residual woodgrain, carbonate is rare.
914.4'	958.5'	44.4'	85%	sheared phyllitic garnet andalusite schist finely foliated, contorted, generally foliated at 70° to core, pyritic.
958.5'	964.0'	5.5'	100%	amphibolite, dense, massive some grey quartz lenses and white quartz veins.
964.0'	966.0'	2.0'	100%	amphibolite.
966.0'	1,025.0' END OF HOLE	59.0'	90%	contorted, tightly folded garnet (up to 1 cm) andalusite (crushed) schist, with fine kink folding generally at 70° to core, minor folds at 70°, very fine grained marcasite along foliation, ptygmatic quartz veins cut by folded younger veinlets, and

DIAMOND DRILL GEOLOGICAL LOG

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6751 Barbara Dr., Victoria, B.C.

Property: Valentine Mtn.
Hole No. DDH # 15 Core: NQ

Logged by: E.W. Grove, Ph.D., P.Eng.
Date: March 20, 1983

Azimuth: NORTH Dip: -45°
Length: 312 METERS

From	To	Length	Rec. %	Rock Description
				straight veinlets, light green mineral in quartz veins, ilmenite in quartz veins at 992 feet; quartz content as lenses increasing; very very fine grained Free Gold at 997 feet; sandstone inclusions as lenses increasing to 5%.

ASSAY LOG

COMPANY: BEAU PRE EXPLORATIONS LTD.
PROPERTY: Valentine Mountain

HOLE: DDH # 15

E. W. GROVE CONSULTANTS LTD.
6751 Barbara Drive, Victoria, B.C.

LABORATORY: BONDAR-CLEGG & CHEMEX LABS
ASSAY REPORT: 423-0374, A8310729

DATE: 28 Mar 83

Sample No.	Feet From	Feet To	Feet Length	Rec %	ROCK TYPE	SILVER oz/ton	GOLD oz/ton
53577	34.5	37.0	2.5	100	sandstone, quartz, calcite, pyrite		<0.003
53578	37.0	42.0	5.0	90	metasandstone, 20% quartz		0.003
53579	50.0	51.0	1.0	50	oxidized sandstone, 15% quartz		<0.003
53587	59.5	63.0	3.5	100	metasandstone, minor quartz		<0.003
53580	88.0	95.5	7.5	100	schist, 20% quartz/carbonate		<0.003
53581	95.5	99.0	3.5	100	schist, 20% quartz/carbonate		<0.003
53582	136.5	141.0	4.5	100	schist, 25-30% quartz/carbonate		<0.003
53583	146.0	149.0	3.0	100	schist, 15% quartz/carbonate		0.003
53584	151.5	154.5	3.0	80	metasandstone, 15% quartz		<0.003
53585	187.0	189.0	2.0	100	sandstone, 20% quartz, pyrite		<0.003
53586	194.0	195.0	1.0	90	metasandstone, 30% quartz		0.003
53588	196.5	198.0	1.5	100	metasandstone, minor thin quartz		<0.003
53589	201.0	202.5	1.5	85	dense fine grained granite gneiss		<0.003
53590	205.0	208.0	3.0	95	metasandstone, minor grey quartz		<0.003
53591	210.0	214.5	3.5	95	massive sandstone, biotite		<0.003
53592	215.5	219.7	4.2	95	massive sandstone, biotite in quartz		<0.003
53593	224.5	227.0	2.5	100	massive sandstone, biotite in quartz		<0.003
53594	227.0	230.0	3.0	100	massive sandstone, biotite in quartz		<0.003
53595	240.7	242.7	2.0	95	massive sandstone, biotite in quartz		<0.003
53596	246.0	247.0	1.0	95	massive sandstone, biotite in quartz		<0.003
53597	249.7	250.0	0.3	95	massive sandstone, biotite in quartz		0.003

ASSAY LOG

COMPANY: BEAU PRE EXPLORATIONS LTD.
PROPERTY: Valentine Mountain

HOLE: DDH # 15

E. W. GROVE CONSULTANTS LTD.
6751 Barbara Drive, Victoria, B.C.

LABORATORY: BONDAR-CLEGG & CHEMEX LABS
ASSAY REPORT: 423-0374, A8310729

DATE: 28 Mar 83

Sample No.	Feet From	Feet To	Feet Length	Rec %	ROCK TYPE	SILVER oz/ton	GOLD oz/ton
53598	251.5	253.5	2.0	95	massive sandstone, biotite in quartz		<0.003
53599	262.0	266.0	4.0	95	massive sandstone, biotite in quartz		<0.003
53600	271.0	277.0	6.0	100	biotite granite gneiss		<0.003
61451	278.0	280.0	2.0	85	schist/gneiss, 10% quartz veinlets minor marcasite		<0.003
61452	282.5	288.0	5.5	80	schist/gneiss, 10% quartz		<0.003
61453	291.5	294.0	2.5	100	schist/gneiss, 10% quartz		<0.003
61454	296.5	302.0	5.5	100	schist/gneiss, 10% quartz		<0.003
61455	303.0	305.5	2.5	90	schist/gneiss, 10% quartz		<0.003
61456	306.5	311.0	4.5	90	schist/gneiss, 10% quartz		0.003
61457	313.5	316.0	2.5	80	schist/gneiss, 10% quartz		0.003
61458	318.0	323.3	5.3	95	schist/gneiss, 15% quartz veinlets		<0.003
61459	323.3	326.5	3.2	95	schist/gneiss, 15% quartz veinlets		0.003
61460	334.0	336.0	2.0	95	schist/gneiss, 15% quartz		<0.003
61466	336.0	339.5	3.5	95	biotite granite gneiss		<0.003
61461	341.0	344.0	3.0	80	andalusite schist, quartz, marcasite		<0.003
61462	347.0	348.5	1.5	85	andalusite schist, quartz, marcasite		0.005
61463	356.0	359.0	3.0	95	schist, quartz veinlets		<0.003
61464	359.0	363.3	4.3	95	schist, quartz veinlets		<0.003
61465	365.5	369.0	3.5	95	gneiss, quartz veinlets and lenses		0.003
61467	375.5	378.3	2.8	95	biotite gneiss, 5% quartz veinlets		<0.003
61468	383.0	385.5	2.5	95	biotite gneiss, 5% quartz veinlets		<0.003

ASSAY LOG

COMPANY: BEAU PRE EXPLORATIONS LTD.
PROPERTY: Valentine Mountain

HOLE: DDH # 15

E. W. GROVE CONSULTANTS LTD.
6751 Barbara Drive, Victoria, B.C.

LABORATORY: BONDAR-CLEGG & CHEMEX LABS
ASSAY REPORT: 423-0374, A8310509

DATE: 4 Mar 83

Sample No.	Feet From	Feet To	Feet Length	Rec %	ROCK TYPE	SILVER oz/ton	GOLD oz/ton
61469	389.0	390.0	1.0	95	biotite granite gneiss, 5% quartz		0.003
61470	390.0	394.3	4.3	95	biotite granite gneiss, 5% quartz		0.003
61471	394.3	402.0	7.7	95	garnet andalusite schist		<0.003
61472	407.0	409.5	2.5	80	garnet andalusite schist		<0.003
61473	411.5	413.0	1.5	98	metasandstone		<0.003
61474	417.0	420.0	3.0	98	metasandstone		<0.003
61475	421.0	424.5	3.5	98	metasandstone		<0.003
61476	424.5	427.0	2.5	98	metasandstone		<0.003
61477	427.0	430.0	3.0	98	metasandstone		0.003
61478	430.0	432.5	2.5	98	metasandstone		<0.003
61479	445.0	447.3	2.3	98	metasandstone		<0.003
93324	452.2	453.0	0.8	98	metasandstone, Visible Gold ***	<0.02	<0.002 ***
61480	455.3	458.0	2.7	98	metasandstone		<0.003
61481	458.0	461.5	3.5	98	metasandstone		<0.003
61482	461.5	467.0	5.5	98	metasandstone		<0.003
61483	467.0	471.0	4.0	95	garnet andalusite schist		<0.003
61484	471.0	476.0	5.0	95	garnet andalusite schist		<0.003
61485	476.0	481.0	5.0	95	garnet andalusite schist		<0.003
61486	481.0	485.3	4.3	95	garnet andalusite schist		<0.003
61487	489.5	493.0	3.5	95	garnet andalusite schist		<0.003

ASSAY LOG

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PROPERTY: Valentine Mountain

HOLE: DDH # 15

E. W. GROVE CONSULTANTS LTD.
6751 Barbara Drive, Victoria, B.C.

LABORATORY: BONDAR-CLEGG & CHEMEX LABS
ASSAY REPORT: 423-0374, A8310729

DATE: 28 Mar 83

Sample No.	Feet From	Feet To	Feet Length	Rec %	ROCK TYPE	SILVER oz/ton	GOLD oz/ton
61488	493.0	496.0	3.0	95	garnet andalusite schist		<0.003
61488REJ							0.042
61489	496.0	499.0	3.0	95	garnet andalusite schist		0.003
61490	500.5	505.0	4.5	95	garnet andalusite schist		<0.003
61491	507.0	508.4	1.4	95	garnet andalusite schist, Visible Gold ***		<0.003
61491 REJ							0.098
61492	509.5	511.5	2.0	95	garnet andalusite schist		<0.003
61493	526.0	528.5	2.5	95	metasandstone		<0.003
93301	821.0	826.0	5.0	100	amphibolite	<0.02	<0.002
93302	826.0	830.0	4.0	90	amphibolite, quartz vein	0.04	0.002
93303	830.0	833.0	3.0	100	amphibolite, calcite fractures	0.02	<0.002
93304	833.0	837.0	4.0	100	amphibolite	<0.02	<0.002
93305	837.0	840.0	3.0	100	amphibolite	0.02	0.003
93306	857.0	860.0	3.0	100	amphibolite	<0.02	<0.002
93307	899.5	903.0	3.5	100	metasandstone, 10% quartz, pyrite	<0.02	<0.002
93308	903.0	904.5	1.5	100	metasandstone, 10% quartz, pyrite	<0.02	<0.002
93309	904.5	905.3	0.8	100	metasandstone, 10% quartz, pyrite	<0.02	<0.002
93310	905.3	906.7	1.4	100	metasandstone, 10% quartz, pyrite	<0.02	<0.002

ASSAY LOG

E. W. GROVE CONSULTANTS LTD.
6751 Barbara Drive, Victoria, B.C.

COMPANY: BEAU PRE EXPLORATIONS LTD.
PROPERTY: Valentine Mountain
LABORATORY: BONDAR-CLEGG & CHEMEX LABS
ASSAY REPORT: 423-0374, A8310729

HOLE: DDH # 15
DATE: 28 Mar 83

Sample No.	Feet From	Feet To	Feet Length	Rec %	ROCK TYPE	SILVER oz/ton	GOLD oz/ton
93311	906.7	914.4	7.7	100	metasandstone, 10% quartz, pyrite	<0.02	<0.002
93312	914.4	917.0	2.6	85	garnet andalusite schist, pyrite	0.02	0.002
93313	926.0	930.2	4.2	85	garnet andalusite schist, pyrite	<0.02	<0.002
93314	930.2	933.0	2.8	85	garnet andalusite schist, pyrite	<0.02	<0.002
93315	933.0	935.0	2.0	85	garnet andalusite schist, pyrite	<0.02	<0.002
93316	935.0	937.8	2.8	85	garnet andalusite schist, pyrite	0.02	<0.002
93317	937.8	939.8	2.0	85	garnet andalusite schist, pyrite	<0.02	<0.002
93318	939.8	941.8	2.0	85	garnet andalusite schist, pyrite	<0.02	<0.002
93319	941.8	946.2	4.4	85	garnet andalusite schist, pyrite	0.04	<0.002
93320	946.2	947.2	1.0	85	garnet andalusite schist, pyrite	0.02	<0.002
93321	947.2	950.2	3.0	85	garnet andalusite schist, pyrite	0.02	<0.002
93322	958.5	961.5	3.0	100	amphibolite, quartz lenses/veins	<0.02	0.002
93323	961.5	964.0	2.5	100	amphibolite, quartz lenses/veins	<0.02	<0.002
93325	964.0	966.0	2.0	100	amphibolite	<0.02	<0.002
93326	966.0	971.2	5.2	90	garnet andalusite schist, quartz	<0.02	<0.002
93327	971.2	974.0	2.8	90	garnet andalusite schist, quartz	<0.02	<0.002
93328	974.0	977.0	3.0	90	garnet andalusite schist, quartz	<0.02	<0.002
93329	977.0	982.0	5.0	90	garnet andalusite schist, quartz	<0.02	0.002
93330	982.0	987.0	5.0	90	garnet andalusite schist, quartz	<0.02	0.002
93331	987.0	992.0	5.0	90	schist, quartz, and ilmenite	<0.02	0.002

ASSAY LOG

COMPANY: BEAU PRE EXPLORATIONS LTD.
PROPERTY: Valentine Mountain

HOLE: DDH # 15

E. W. GROVE CONSULTANTS LTD.
6751 Barbara Drive, Victoria, B.C.

LABORATORY: BONDAR-CLEGG & CHEMEX LABS
ASSAY REPORT: 423-0374, A8310729

DATE: 28 Mar 83

Sample No.	Feet From	Feet To	Feet Length	Rec %	ROCK TYPE	SILVER oz/ton	GOLD oz/ton
93332	992.0	997.0	5.0	90	schist, quartz, ilmenite, Visible Gold ***	<0.02	<0.002 ***
93333	997.0	1002.0	5.0	90	schist, quartz, Visible Gold ***	<0.02	<0.002 ***
93334	1002.0	1007.0	5.0	90	schist, quartz	<0.02	<0.002
93335	1007.0	1012.0	5.0	90	schist, quartz	<0.02	<0.002
93336	1012.0	1016.0	4.0	90	schist, quartz	<0.02	0.002
93337	1016.0	1020.0	4.0	90	schist, quartz	<0.02	<0.002
93338	1020.0	1025.0	5.0	90	schist, quartz	<0.02	0.002

DIAMOND DRILL GEOLOGICAL LOG

COMPANY: BEAU PRE EXPLORATIONS LTD.

E. W. GROVE CONSULTANTS LTD.
6751 Barbara Dr., Victoria, B.C.

Property: Valentine Mtn.
Hole No. DDH # 21 Core: BQ

Logged by: E.W. Grove, Ph.D., P.Eng.
Date: May 3, 1983

Azimuth: NORTH Dip: -50°
Length: 152 METERS

From	To	Length	Rec. %	Rock Description
0	10.0'	10.0'	0	overburden.
10.0'	48.5'	38.5'	90%	mixed woodgrain sandstone and intercalated garnet andalusite schist; contorted with glassy to white quartz as irregular lenses, some veinlets; rare carbonate; lenses boundinaged; fine grained garnet; abundant sericite (muscovite), biotite - partially chloritized; kink folds, Z - folds at 30° to core; banding at 45° to core; marcasite along fractures.
48.5'	64.0'	15.5'	95%	metasandstone; woodgrain, some garnet andalusite schist (contorted); medium grained garnet in sandstone and schist; foliation generally at 50°; minor quartz as lenses and veinlets; minor garnet andalusite schist; minor folding; marcasite on fractures.
64.0'	81.0'	17.0'	80%	garnet andalusite schist with thinly intercalated metasandstone as bands and lenses; foliation at 55-60° to core; medium grained garnet; minor quartz lenses; marcasite on fractures.
81.0'	215.0'	134.0'	95%	metasandstone, finely banded to massive, some woodgrain texture; minor medium grained garnet andalusite schist as lenses; minor quartz as lenses and veinlets; foliation generally at 45°; moderate fracturing 95.0-100.0', 152-168.0'; marcasite on fractures; strong fault at 157.0' (6 inch gouge) with some carbonate on joints/marcasite; amount of quartz veins and lenses increases to 184.0'; 184-246' - quartz stockwork zone in meta-

DIAMOND DRILL GEOLOGICAL LOG

COMPANY: BEAU PRE EXPLORATIONS LTD.

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6751 Barbara Dr., Victoria, B.C.

Property: Valentine Mtn.
Hole No. DDH # 21 Core: BQ

Logged by: E.W. Grove, Ph.D., P.Eng.
Date: May 3, 1983

Azimuth: NORTH Dip: -50°
Length: 152 METERS

From	To	Length	Rec. %	Rock Description
				breccia - parallel foliation at 45° to foliation and parallel to core and irregular; from 177.0' on metasandstone is more massive, only moderately foliated at 80-90° to core.
215.0'	258.0'	43.0'	95%	schistose from 215 to 258 (mixed garnet andalusite schist and sandstone) with abundant quartz, medium grained garnet; marcasite on foliation planes; contorted, folded.
258.0'	297.7'	39.7'	98%	metasandstone; massive to finely foliated; foliattion at 50-60°; minor quartz as veins (parallel to core) and as lenses; some woodgrain texture; some folding where garnet andalusite schist intercalated.
297.7'	400.0'	102.3'	85%	metasandstone; finely to coarsely banded; some garnet andalusite schist intercalated (folia to 6 inch layers); turbidite features suggest tops to south - graded bedding etc. (eg. 316'); irregular development of fine grained to coarse grained biotite; erratic pyrite, minor marcasite on fractures; erratic very fine grained garnet developed; schistose 334-347.0'; foliation perpendicular to core; some amphibolite alteration to 347.0'; quartz lenses/breccia 347-349.0'; woodgrain texture 357.5-383.0'; from 383.0 to 389.0' intercalated garnet andalusite schist - contorted, foliation generally at 50° to core.
400.0'	420.0'	20.0'	90%	garnet andalusite schist; graphitic phyllitic); broken; marcasite, some quartz lenses; quartz lenses and silicification from 416-418', abundant fine grained garnet

DIAMOND DRILL GEOLOGICAL LOG

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E. W. GROVE CONSULTANTS LTD.
6751 Barbara Dr., Victoria, B.C.

Property: Valentine Mtn.
Hole No. DDH # 21 Core: BQ

Logged by: E.W. Grove, Ph.D., P.Eng.
Date: May 3, 1983

Azimuth: NORTH Dip: -50°
Length: 152 METERS

From	To	Length	Rec. %	Rock Description
420.0'	467.0'	47.0'	95%	metasandstone; foliation approximately perpendicular to core; silicified irregularly; some woodgrain texture; some amphibolitization; minor quartz as lenses and veins; garnet becomes prominent as coarse grained porphyroblasts 466-467'.
467.0'	500.0' END OF HOLE	33.0'	100%	amphibolite; foliation perpendicular to core; scattered very coarse grained garnet to 469.0'; minor quartz as lenses and veinlets; minor magnetite; hornblende (actinolite) fine to medium grained as streaks and patches; minor epidote; some carbonate as irregularly spaced veinlets; fault at 452.0'; generally massive, occasional fractures.

ASSAY LOG

COMPANY: BEAU PRE EXPLORATIONS LTD.
PROPERTY: Valentine Mountain

HOLE: DDH # 21

E. W. GROVE CONSULTANTS LTD.
6751 Barbara Drive, Victoria, B.C.

LABORATORY: BONDAR-CLEGG
ASSAY REPORT: 423-0834

DATE: 10 Jun 83

Sample No.	Feet From	Feet To	Feet Length	Rec %	ROCK TYPE	SILVER oz/ton	GOLD oz/ton
93226	16.0	17.7	1.7	90	sandstone/schist, quartz lenses	<0.02	0.002
93227	24.5	26.6	2.1	90	sandstone/schist, quartz lenses	<0.02	<0.002
93328	26.6	29.2	2.6	90	sandstone/schist, quartz lenses	<0.02	0.002
93229	33.0	33.8	0.8	90	sandstone/schist, quartz lenses	<0.02	0.002
93230	39.7	41.0	1.3	90	sandstone/schist, quartz lenses	<0.02	0.003
93231	67.0	68.6	1.6	80	garnet andalusite schist/metasandstone	<0.02	0.003
93232	93.2	94.8	1.6	95	metasandstone, some schist, quartz	<0.02	0.003
93233	106.0	107.5	1.5	95	metasandstone, schist, quartz	<0.02	0.006
93234	135.0	136.6	1.6	95	metasandstone, schist, quartz	<0.02	<0.002
93235	186.5	189.0	2.5	95	metasandstone, quartz stockwork	<0.02	<0.002
93236	189.0	192.0	3.0	95	metasandstone, quartz stockwork	<0.02	<0.002
93237	192.0	196.0	4.0	95	metasandstone, quartz stockwork	<0.02	<0.002
93238	214.2	217.0	2.8	95	schist/sandstone, quartz	<0.02	<0.002
93239	217.0	222.0	5.0	95	schist/sandstone, quartz	<0.02	<0.002
93240	222.0	224.5	2.5	95	schist/sandstone, quartz	<0.02	<0.002
93241	224.5	226.0	1.5	95	schist/sandstone, quartz	<0.02	<0.002
93242	226.0	228.5	2.5	95	schist/sandstone, quartz	<0.02	<0.002
93243	228.5	232.0	3.5	95	schist/sandstone, quartz	<0.02	<0.002
93244	232.0	234.6	2.6	95	schist/sandstone, quartz	<0.02	<0.002
93245	234.6	237.0	2.4	95	schist/sandstone, quartz	<0.02	<0.002
93246	237.0	239.0	2.0	95	schist/sandstone, quartz	<0.02	<0.002

ASSAY LOG

COMPANY: BEAU PRE EXPLORATIONS LTD.
PROPERTY: Valentine Mountain

HOLE: DDH # 21

E. W. GROVE CONSULTANTS LTD.
6751 Barbara Drive, Victoria, B.C.

LABORATORY: BONDAR-CLEGG
ASSAY REPORT: 423-0834

DATE: 10 Jun 83

Sample No.	Feet From	Feet To	Feet Length	Rec %	ROCK TYPE	SILVER oz/ton	GOLD oz/ton
93247	239.0	241.2	2.2	95	schist/sandstone, quartz	<0.02	<0.002
93248	241.2	243.5	2.3	95	schist/sandstone, quartz	<0.02	<0.002
93249	276.4	278.0	1.6	98	metasandstone	<0.02	<0.002
93250	280.0	282.4	2.4	98	metasandstone	<0.02	<0.002
93376	298.2	299.4	1.2	85	metasandstone	<0.02	<0.002
93389	299.4	301.0	1.6	85	metasandstone	<0.02	0.002
93390	301.0	302.5	1.5	85	metasandstone	<0.02	0.004
93377	302.5	303.1	0.6	85	metasandstone	<0.02	<0.002
93391	303.1	306.0	2.9	85	metasandstone	<0.02	0.003
93392	306.0	307.5	1.5	85	metasandstone	<0.02	<0.002
93378	307.5	308.2	0.7	85	metasandstone	<0.02	<0.002
93379	316.0	317.0	1.0	85	metasandstone	<0.02	<0.002
93380	345.7	348.3	2.6	85	metasandstone	<0.02	<0.002
93381	365.8	367.5	1.7	85	metasandstone	<0.02	0.020
93382	377.8	378.7	0.9	85	metasandstone	<0.02	<0.002
93383	415.8	418.2	2.4	90	garnet andalusite schist, quartz	<0.02	<0.002
93384	450.0	451.3	1.3	95	metasandstone	<0.02	<0.002
93385	452.6	457.0	4.4	95	metasandstone	0.02	0.063
93386	457.0	459.0	2.0	95	metasandstone	<0.02	<0.002
93387	473.0	477.0	4.0	100	amphibolite	<0.02	0.006
93388	497.0	500.0	3.0	100	amphibolite	<0.02	<0.002

DIAMOND DRILL GEOLOGICAL LOG

COMPANY: BEAU PRE EXPLORATIONS LTD.

E. W. GROVE CONSULTANTS LTD.
6751 Barbara Dr., Victoria, B.C.

Property: Valentine Mtn.
Hole No. DDH # A6 Core: NQ

Logged by: E.W. Grove, Ph.D., P.Eng.
Date: February 3, 1984

Azimuth: 330° Dip: -70°
Length: 246 meters

From	To	Length	Rec. %	Rock Description
0	7'	7'		overburden
7'	42'	35'		Schist, no macroscopic andalusite, small garnet, sandstone lenses increase towards 42 feet, quartz veins 5%, increasing to 42' Rare specks **Visible Gold** at 29', 33.5', and 41.5' in quartz lenses (2 cm to 6 cm wide - 50%).
42'	125'	83'		Metasandstone, dark with fine schistose layering at 45°, quartz veins at 51.8' to 52.8'; arsenopyrite and marcasite in quartz lenses at 64.5'; woodgrain texture well developed at 85'; weak alteration (hornblende) related to narrow veins 94-97', foliation at 70°, scattered quartz lenses as augen and quartz carbonate blebs, generally dark with fine silt banding.
125'	129'	4'		Schist, contorted, minor quartz.
129'	175'	46'		Metasandstone - contact at 10°, woodgrain, 5% quartz as lenses, 20+% intercalated silt (schist), becoming schistose.
175'	205'	30'		Schist, foliation @ 60-70°, fine grained garnet, andalusite as clasts, thinly intercalated sandstone, quartz lenses 5% to 167', 10-15% 167' to 213.5'.
205'	224'			Metasandstone, woodgrain, quartz lenses 10%; heavily ground - 6.5' core missing; (under '36' vein?)
224'	229'	5'		Schist, very fine grained garnet, 5% (±) quartz lenses.

DIAMOND DRILL GEOLOGICAL LOG

COMPANY: BEAU PRE EXPLORATIONS LTD.

E. W. GROVE CONSULTANTS LTD.
6751 Barbara Dr., Victoria, B.C.

Property: Valentine Mtn.
Hole No. DDH # A6 Core: NQ

Logged by: E.W. Grove, Ph.D., P.Eng.
Date: February 3, 1984

Azimuth: 330° Dip: -70°
Length: 246 meters

From	To	Length	Rec. %	Rock Description
229'	264'	35'		Metasandstone, finely banded, coarse grained garnet; 261' to 262' minor quartz veinlets, banding @ 60°.
264'	375'	111'		Amphibolite, finely banded, coarse grained biotite alteration, bands @ 70°; 5% quartz lenses parallel to banding, 5% perpendicular to bands; minor magnetite, minor calcite from 300' on scattered very fine grained epidote as veins 1 mm to 2 cm wide, strong magnetite as zones with brown biotite; quartz breccia 319-320 with chalcopyrite specks, black biotite and magnetite from 320± becoming less altered, metasandstone banding 45 to 60°, quartz lenses 1-2%, some calcite, scattered very fine grained epidote as lenses and wisps.
375'	377'	2'		Glassy quartz with ilmenite crystals cuts very fine grained to fine grained salt and pepper granodiorite.
375'	383.5'	8.5'		Very fine grained salt and pepper granodiorite.
383.5'	697'	313.5'		Metasandstone/amphibolite, generally foliation @ 45-60°; quartz carbonate lenses increasing from 410' on; from 415' 417' approx. 40% quartz & carbonate lenses; 417' on 20% quartz carbonate as lenses and veins; woodgrain texture evident 475-477'; very coarse garnet 474-478; biotite generally brown, with medium to coarse grained actinolite; alteration continues, with generally mottled zones where coarse biotite/actinolite formed as bands parallel to bedding; quartz vein 575-576'.

DIAMOND DRILL GEOLOGICAL LOG

COMPANY: BEAU PRE EXPLORATIONS LTD.

E. W. GROVE CONSULTANTS LTD.
6751 Barbara Dr., Victoria, B.C.

Property: Valentine Mtn.
Hole No. DDH # A6 Core: NQ

Logged by: E.W. Grove, Ph.D., P.Eng.
Date: February 3, 1984

Azimuth: 330° Dip: -70°
Length: 246 meters

From	To	Length	Rec. %	Rock Description
697'	806'	109'		Schist, contorted, abundant quartz/ carbonate as veins and lenses (40-50%).
806'	807' END	1'		Metasandstone, woodgrain texture, abundant quartz veins.

(246 meters)

ASSAY LOG

COMPANY: BEAU PRE EXPLORATIONS LTD.
PROPERTY: Valentine Mountain

HOLE: DDH # A6

E. W. GROVE CONSULTANTS LTD.
6751 Barbara Drive, Victoria, B.C.

LABORATORY: BONDAR-CLEGG
ASSAY REPORT: 423-3293, -3549

DATE: 16 Nov 83

Sample No.	Feet From	Feet To	Feet Length	Rec %	ROCK TYPE	SILVER oz/ton	GOLD oz/ton
51026	9.5	10	0.5		schist		<0.002
51027	16	17	1		schist		<0.002
13651	30	31	1		schist, Visible Gold, small quartz vein		0.174
13652	31	32	1		schist, Visible Gold, " " "		0.018
51028	32.5	36.5	4		schist		<0.002
51029	37	41	4		schist		0.003
13653	43	44	1		metasandstone, Visible Gold, qtz vein	0.02	0.011
13654	44	45	1		metasandstone, small quartz veins		0.002
51030	51.6	53	1.4		metasandstone, arsenopyrite		<0.002
51031	72	72.6	0.6		metasandstone		<0.002
51032	87	88.5	1.5		metasandstone		<0.002
51033	125.6	127	1.4		schist		<0.002
51034	133	137	4		metasandstone		<0.002
51035	138	139.6	1.6		metasandstone		<0.002
51036	144.5	147	2.5		metasandstone		<0.002
51037	151	152	1		metasandstone		<0.002
51038	157	165	8		metasandstone		<0.002
51039	182	183	1		schist, arsenopyrite		0.026
51040	197	202.6	5.6		schist		<0.002
51041	222	226	4		schist		0.058
51042	289	289.6	0.6		amphibolite		<0.002

Sampled by R. Beaupre

ASSAY LOG

COMPANY: BEAU PRE EXPLORATIONS LTD.
PROPERTY: Valentine Mountain

HOLE: DDH # A6

E. W. GROVE CONSULTANTS LTD.
6751 Barbara Drive, Victoria, B.C.

LABORATORY: BONDAR-CLEGG
ASSAY REPORT: 423-3293, -3549

DATE: 16 Nov 83

Sample No.	Feet From	Feet To	Feet Length	Rec %	ROCK TYPE	SILVER oz/ton	GOLD oz/ton
51043	312	317	5		amphibolite		<0.002
51044	317	321	4		amphibolite		0.004
51047	329	337	8		amphibolite		<0.002
51045	374	375	1		granodiorite, glassy quartz		<0.002
51046	375	377	2		granodiorite, glassy quartz		<0.002
51048	377	378	1		granodiorite		<0.002
51049	414.6	417	2.4		metasandstone/amphibolite		<0.002
51050	489	490	1		metasandstone/amphibolite		<0.002
13726	518.6	519	0.4		small quartz vein		<0.002
13727	574	577.6	3.6		quartz vein		0.004
13728	584	585	1		metasandstone/amphibolite		0.003
13729	697	702	5		schist		0.002
13730	717	721	4		schist, quartz		0.002
13731	721	727	6		schist, quartz		0.002
13732	767	768	1		schist		<0.002
13733	805	808	3		metasandstone		0.003

Sampled by R. Beaupre

DIAMOND DRILL GEOLOGICAL LOG

COMPANY: BEAU PRE EXPLORATIONS LTD.

E. W. GROVE CONSULTANTS LTD.
6751 Barbara Dr., Victoria, B.C.

Property: Valentine Mtn. 2 Veins
Hole No. DDH# FC#1 Core: NQ

Logged by: E.W. Grove, Ph.D., P.Eng.
Date: February 3, 1984

Azimuth: 000° Dip: -70°
Length: 285 meters

From	To	Length	Rec. %	Rock Description
0	14'	14'		overburden
14'	795'	781'		Schist; schist contorted thinly banded, 25-60% quartz lenses, with scattered carbonate and quartz veinlets; fault parallel to core at 782'.
795'	937' END (285.6 m)	142'		Metasandstone, some pockets of amphibolite developed as narrow bands, generally greenish grey, massive to poorly banded, very fine grained, dense.

ASSAY LOG

COMPANY: BEAU PRE EXPLORATIONS LTD.
PROPERTY: Valentine Mountain

HOLE: DDH FC#1

E. W. GROVE CONSULTANTS LTD.
6751 Barbara Drive, Victoria, B.C.

LABORATORY: BONDAR-CLEGG
ASSAY REPORT: 423-2855, -2295, -2994

DATE: 29 Sep 83

Sample No.	Feet From	Feet To	Feet Length	Rec %	ROCK TYPE	SILVER oz/ton	GOLD oz/ton
13681	17	18	1		schist		0.004
13682	19	21	2		schist, 2" vein		0.003
13683	26	27	1		schist, small 1" vein		0.010
13684	29	30	1		schist, small 1" vein		0.006
13685	30	32.6	2.6		schist		0.002
13686	48	49	1		schist		0.007
13687	54	56	2		schist		<0.002
13688	56.6	61.6	5		schist		0.002
13689	117	124	7		schist		0.002
13690	124	127	3		schist		<0.002
13691	137	142.5	5.5		schist		0.002
13692	149	157	8		schist		<0.002
13693	197	198.6	1.6		schist		<0.002
13694	217	221	4		schist, 8" quartz vein		0.002
13695	227	230	3		schist		<0.002
13696	247	252	5		schist		<0.002
13697	261	266	5		schist		<0.002
13698	267	270.6	3.6		schist		0.002
13699	275	281	6		schist		<0.002
13700	287.6	292	4.4		schist		<0.002
13626	292	295	3		schist		<0.002
13627	395	400.6	5.6		schist		<0.002

Sampled by R. Beaupre

ASSAY LOG

COMPANY: BEAU PRE EXPLORATIONS LTD.
PROPERTY: Valentine Mountain

HOLE: DDH FC#1

E. W. GROVE CONSULTANTS LTD.
6751 Barbara Drive, Victoria, B.C.

LABORATORY: BONDAR-CLEGG
ASSAY REPORT: 423-2855, -2295, -2994

DATE: 29 Sep 83

Sample No.	Feet From	Feet To	Feet Length	Rec %	ROCK TYPE	SILVER oz/ton	GOLD oz/ton
13676	444	447	3		schist		0.007
13677	447	449	2		schist		0.006
13678	449	451	2		schist		0.005
13628	492.5	498	5.5		schist		<0.002
13629	502.6	505	2.4		schist		<0.002
13630	506.6	510	3.4		schist		<0.002
13631	555	557	2		schist		<0.002
13632	573	576	3		schist		<0.002
13633	576	577	1		schist		<0.002
13634	620	627	7		schist		<0.002
13679	627	628	1		schist		<0.002
13635	636	641	5		schist		<0.002
13637	672	676.6	4.6		schist		<0.002
13638	699	701	2		schist		<0.002
13639	707	713	6		schist		<0.002
13640	713	715	2		schist		<0.002
13641	767	770	3		schist		<0.002
13642	770	775	5		schist		0.002
13643	777	780	3		schist		0.003
13644	780	786	6		schist, fault at 782'		0.006
13645	799	804	5		schist		<0.002

Sampled by R. Beaupre

GEOLOGICAL BRANCH
ASSESSMENT REPORT

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SEE ATTACHED 1983 AUDIT

C. DRILLING (Details in report submitted as per section 8 of regulations.) (The itemized cost statement must be part of the report.)

	COST
	142,102.00

D. GEOLOGICAL, GEOPHYSICAL, GEOCHEMICAL

(Details in report submitted as per section 5, 6, or 7 of regulations.)
(The itemized cost statement must be part of the report.)
(State type of work in space below.)

DR. EDWARD W. GROVE PHD, P.ENG REPORTS DATED FEB 28, 1984 (AND AUGUST 1982) GEOLOGICAL, DIAMOND DRILL LOGS, FIELD WORK AND WORK PROPOSALS, PLANNING	29131.00
TOTAL OF C AND D	171,233.00

Who was the operator (provided the financing)?

Name BEAU PRE EXPLORATIONS LTD

Address 1027 PANDORA ST

VICTORIA, B.C. V8V 3P6

A.R. 12642

Phone 20.11.84 - contract costs only MK

FIGURE 7

DETAILED GEOLOGY

VALENTINE MOUNTAIN

LEGEND

gn biotite (hornblende) gneiss
a andalusite garnet schist
A amphibolite
ph phyllite
hb hornblende
e epidote
g garnet

SYMBOLS

bedding, mineral layering, "foliation"
minor fold - axial plane
large fold - axial plane
fault
contact (mapped, assumed)

Scale 1: 7,200 0 72 m
Contour Interval 50 m

mixed a-gn g+hb

Valentine Mountain

Jordan River

Tyee Lk.

Valentine Creek

Bear Creek Reservoir el. 1027m

See FIGURE 10 for detail of this area

DDH-RC1

Sheet B

Geology by E.W. Bruce Consultants Ltd.

1981 TOPOGRAPHIC MAP PREPARED BY ARROWSMITH MAPPING SERVICES VICTORIA, B.C.

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ASSESSMENT REPORT

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FIGURE 7

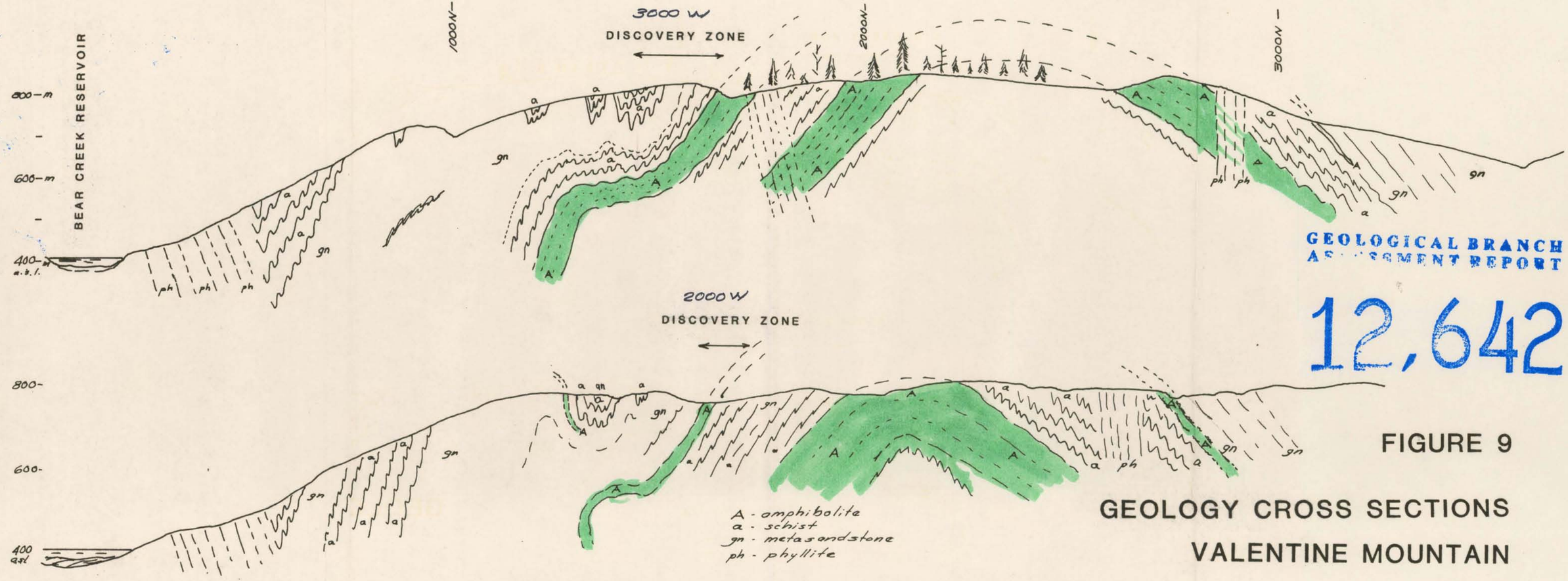

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FIGURE 9

GEOLOGY CROSS SECTIONS

VALENTINE MOUNTAIN

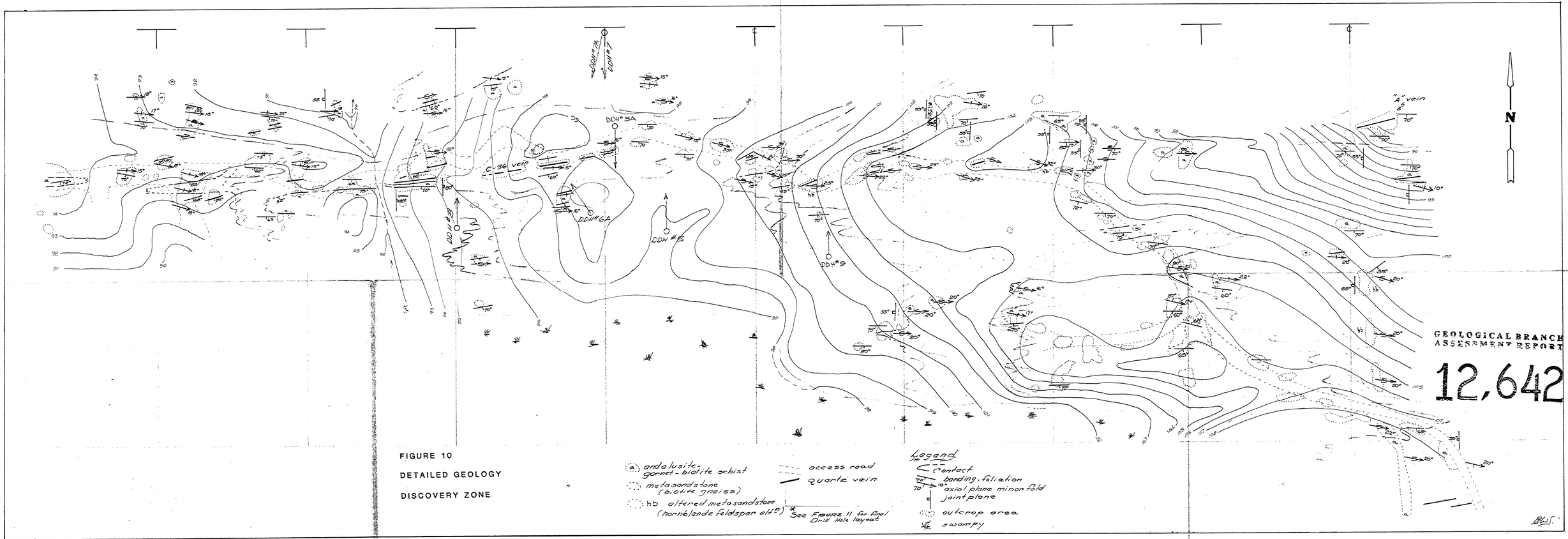

FIGURE 10

DETAILED GEOLOGY

DISCOVERY ZONE

GEOLOGICAL BRANCH
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FIGURE 10

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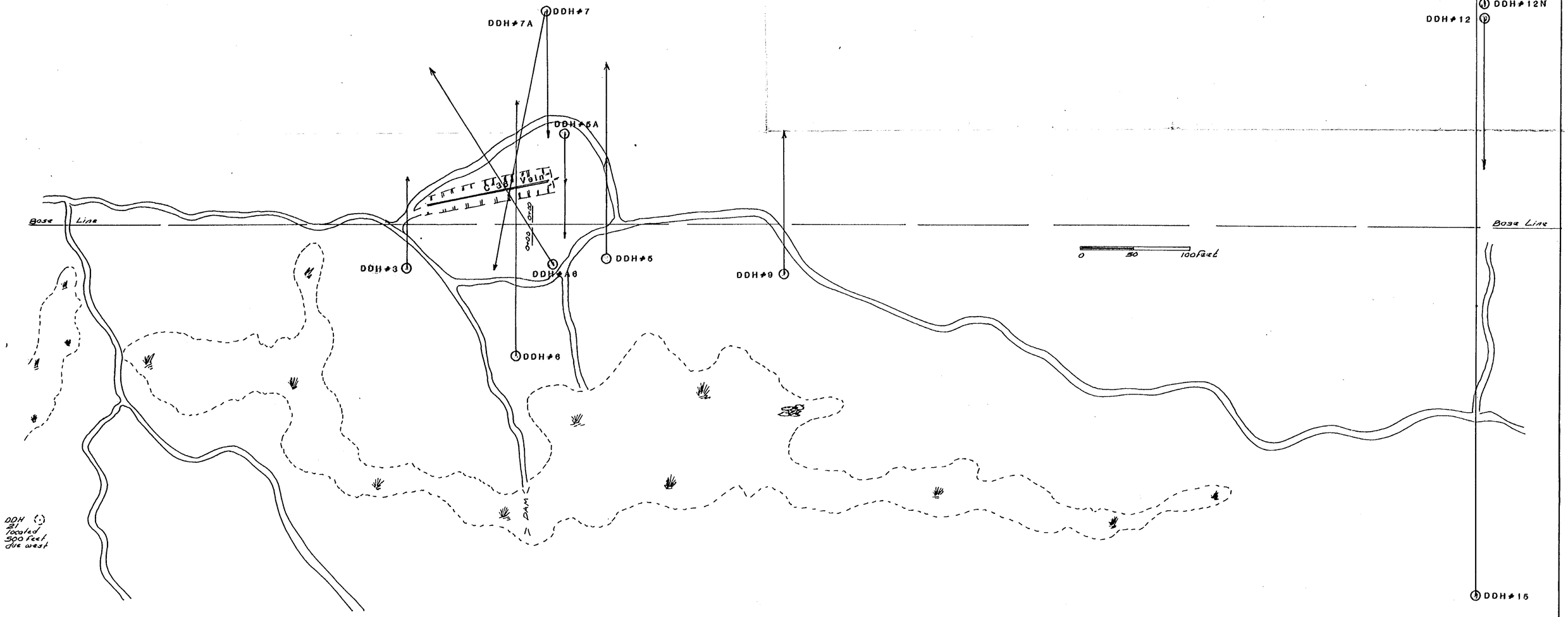
FIGURE 11
DRILL HOLE LOCATIONS
DISCOVERY ZONE



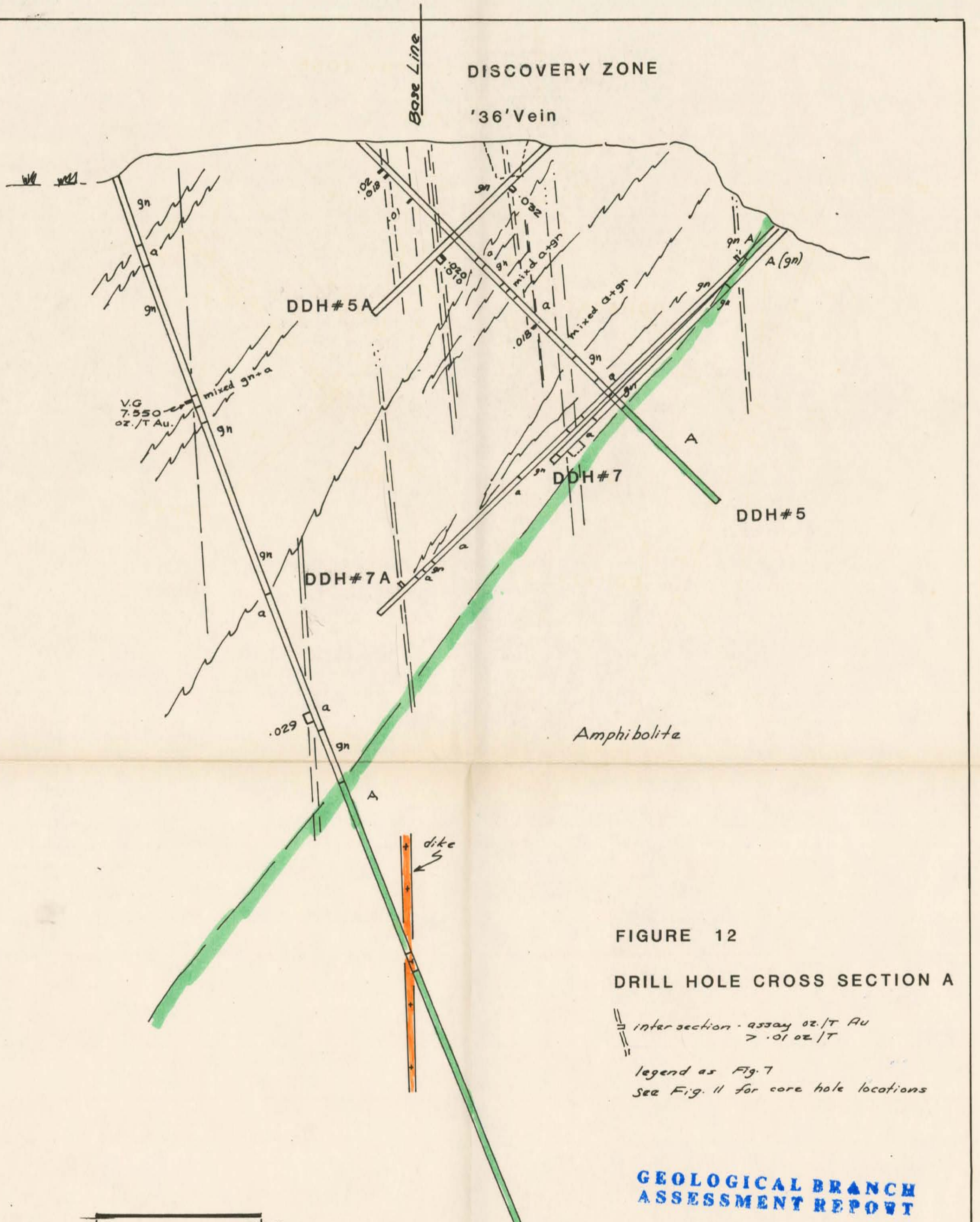


FIGURE 12

DRILL HOLE CROSS SECTION A

intersection - assay oz./T Au > .01 oz/T

legend as Fig. 7

See Fig. 11 for core hole locations

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South

DISCOVERY ZONE

BASE LINE

'A' VEIN

FRED CREEK

North

gn

Metasandstone

Schist

mixed a+gn

DDH# 12

.06

.02 V.G.

.042 V.G.

.098 V.G.

Amphibolite

Quartz zone

Schist

DDH# 12N

DDH# 15

V.G. <.002
V.G. <.002

FIGURE 13

DRILL HOLE CROSS SECTION B

intersection - assay oz./T Au
>.01 oz/T

legend as Fig. 7
See Fig. 11 for core hole locations

0 25m.

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