

006201

092C 131

January 1990

BUTTER ROCK RESOURCES INC.

3x3 and LUSTY-VALIANT CLAIMS

PROPERTY FILE

Engineering Report

by D. Cukor, geologist, V. Cukor, P. Eng.

NVC ENGINEERING LTD.

Vancouver, B.C.

TABLE OF CONTENTS

	<u>Page</u>
1. INTRODUCTION	1
2. REVIEW	2
2.1 SUMMARY AND CONCLUSIONS	2
2.2 RECOMMENDATIONS	3
2.3 COST ESTIMATE	3
3. PROPERTY	5
3.1 LOCATION	5
3.2 ACCESS	5
3.3 CLAIMS	6
3.4 TOPOGRAPHY AND CLIMATE	6
4. HISTORY	8
5. GEOLOGY	10
5.1 REGIONAL GEOLOGY	10
5.2 LOCAL GEOLOGY	10
5.2.1 Geology of the 3X3 Claim	10
5.2.2 Mineralization of the 3X3 Claim	12
5.2.3 Geology of the Lusty-Valiant Claim	14
5.2.4 Mineralization of the Lusty-Valiant Claim	16
6. GEOCHEMICAL SOIL SURVEY	18
6.1 GENERAL DESCRIPTION	18
6.2 DISCUSSION OF RESULTS	18
6.2.1 3X3 Claim	18
6.2.2 Lusty-Valiant Claim	20
7. GEOPHYSICAL SURVEYS	21
7.1 MAGNETIC SURVEY	21
7.1.1 3X3 Claim	22
7.1.2 Lusty-Valiant Claim	22
7.2 VLF-EM SURVEY	22
7.2.1 3x3 Claim	22
7.2.2 Lusty-Valiant Claim	23

ILLUSTRATIONS

		<u>After Page</u>
Figure 1	Location Map	4
Figure 2	Topography of 3X3 Claim	4
Figure 3	Topography of Lusty-Valiant Claim	4
Figure 4	Claim Map - 3X3	5
Figure 5	Claim Map - Lusty-Valiant	5
Figure 6	Regional Geology - 3X3	9
Figure 7	Regional Geology - Lusty-Valiant	9
Figure 8	Geology of 3X3 Claim	10
Figure 9	Geology of Lusty-Valiant Claim	13
Figure 10	Geochemical Plan - Gold - 3X3	17
Figure 11	Geochemical Plan - Silver - 3X3	18
Figure 12	Geochemical Plan - Gold - Lusty-Valiant	19
Figure 13	Geochemical Plan - Silver - Lusty-Valiant	19
Figure 14	Magnetic Survey - 3X3	21
Figure 15	Magnetic Survey - Lusty-Valiant	21
Figure 16	VLF-EM Survey - Seattle - 3X3	21
Figure 17	VLF-EM Survey - Hawaii - 3X3	21
Figure 18	VLF-EM Survey - Seattle - Lusty-Valiant	22
Figure 19	VLF-EM Survey - Hawaii - Lusty-Valiant	22

BUTTER ROCK RESOURCES INC.
3X3 and LUSTY-VALIANT CLAIMS
Vancouver Island, British Columbia

1. **INTRODUCTION**

The Company has contracted the exploration work program as described in this Report to NVC Engineering Ltd., a Vancouver based geological consulting company. The work was performed on two properties (3X3 and Lusty-Valiant) which are about 20 kilometres distant from each other.

The grassroot exploration carried out between November 1987 and March 1988 consisted of extensive line cutting, a geochemical soil survey, detailed geological mapping, ground geophysical magnetic and VLF-EM surveys, as well as a study and compilation of known data published for that area.

The authors of this Report visited the 3X3 claim again in November 1989 to closer examine an area of high geochemical gold anomaly and good grade rock samples.

Damir Cukor, Geologist, and Jim Weick, Geologist, conducted and/or supervised the field work and overall supervision was by V. Cukor, P.Eng.

General Testing of Vancouver, B.C. performed assays on all soil and rock samples.

2. REVIEW

PROPERTY FILE

2.1 SUMMARY AND CONCLUSIONS

Butter Rock Resources' properties consist of two separate claim groups, the 3X3 and Lusty-Valiant claims, both easily accessible by existing roads.

Both properties are underlain by metasediments of the Leech River Complex. No previous ground work was performed on either property.

Elsewhere on Vancouver Island, gold was found and produced from the Leech River Complex since prior to 1900. However, the hard rock exploration was carried out only on a very limited scale. Most extensive development was carried out on Valentine Mountain, where excellent gold values were recovered from both surface exposures and diamond drill core.

Of the Butter Rock properties, the 3X3 claim returned the much more promising results. Rock samples from the north-south zone of fracturing, crossing several zones of silicification, returned good values. This zone, coinciding with a strong geochemical soil gold anomaly, produced a rock sample with the best assay on the property - it assayed 0.214 oz/t gold and 0.42 oz/t silver. That area definitely warrants follow-up detailed work, geological mapping, bulldozer trenching and extensive rock sampling. If positive results are encountered, a second stage comprising of diamond drilling will be recommended.

The results on the Lusty-Valiant claims are mostly disappointing. Only some limited geological follow-up, including rock sampling, is warranted in the location of three samples running about 0.01 oz/t gold.

2.2 RECOMMENDATIONS

On the 3X3 claim, more detailed geological mapping is necessary to assess the north-south trending area of high geochemical anomaly and good rock samples. Detailed geological mapping and extensive sampling of all outcrops in the area should be done by an experienced geologist (geologist and helper to be retained over a one month period). In addition, a geophysical resistivity survey should be carried out over that area. Areas between the outcrops should be backhoe trenched, mapped and sampled. An additional five days of geologist's time should be allocated for supervision of the trenching. Pending positive results, a second phase consisting of diamond drilling will be recommended.

On the Lusty-Valiant claims only, a moderate follow-up program of geological examination of area with samples around 0.01 oz/t gold should be carried out. It is recommended for the geologist and helper to spend a total of about five days on that property. If encouraging results are encountered, a second phase will be recommended at a later stage.

2.3 COST ESTIMATE

The following is an estimated budget to complete the recommended program on the 3X3 and Lusty-Valiant claims:

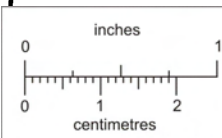
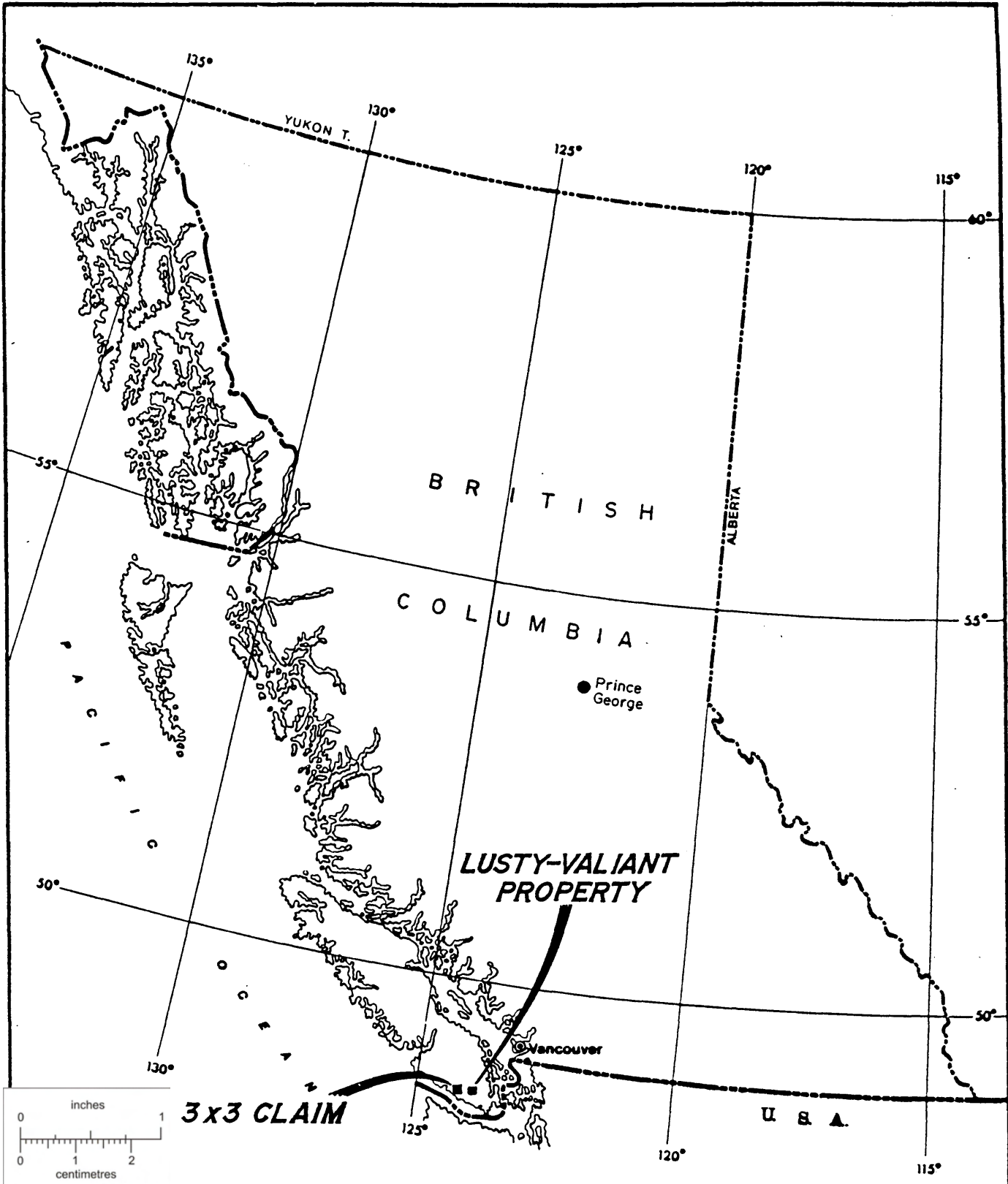
Phase 1 - 3X3 Claim

Backhoe trenching 50 hours @ \$140.00	\$ 7,000.00
Mobilization and demobilization	5,000.00
Geologist, 50 days @ \$300.00	15,000.00
Assistant, 50 days @ \$120.00	6,000.00
Resistivity survey	15,000.00
Vehicle rental, gasoline, transportation	4,500.00
Room and board	6,000.00
Assays, 250 samples @ \$15.00	3,750.00

Phase 1 - Lusty-Valiant Claim


Geologist, 5 days @ \$300.00	1,500.00
Assistant, 5 days @ \$120.00	600.00
Room and board, 10 days @ \$70.00	700.00
Vehicle, gasoline	<u>500.00</u>
Sub Total	\$65,550.00
Data Compilation and report	12,000.00
Engineering and supervision	7,500.00
Contingencies	<u>10,000.00</u>
Total	\$95,050.00

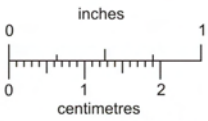
Contingent on positive and encouraging results from the Phase 1, a second phase of about \$150,000 of diamond drilling may be recommended.



This reference scale bar has been added to the original image. It will scale at the same rate as the image, therefore it can be used as a reference for the original size.

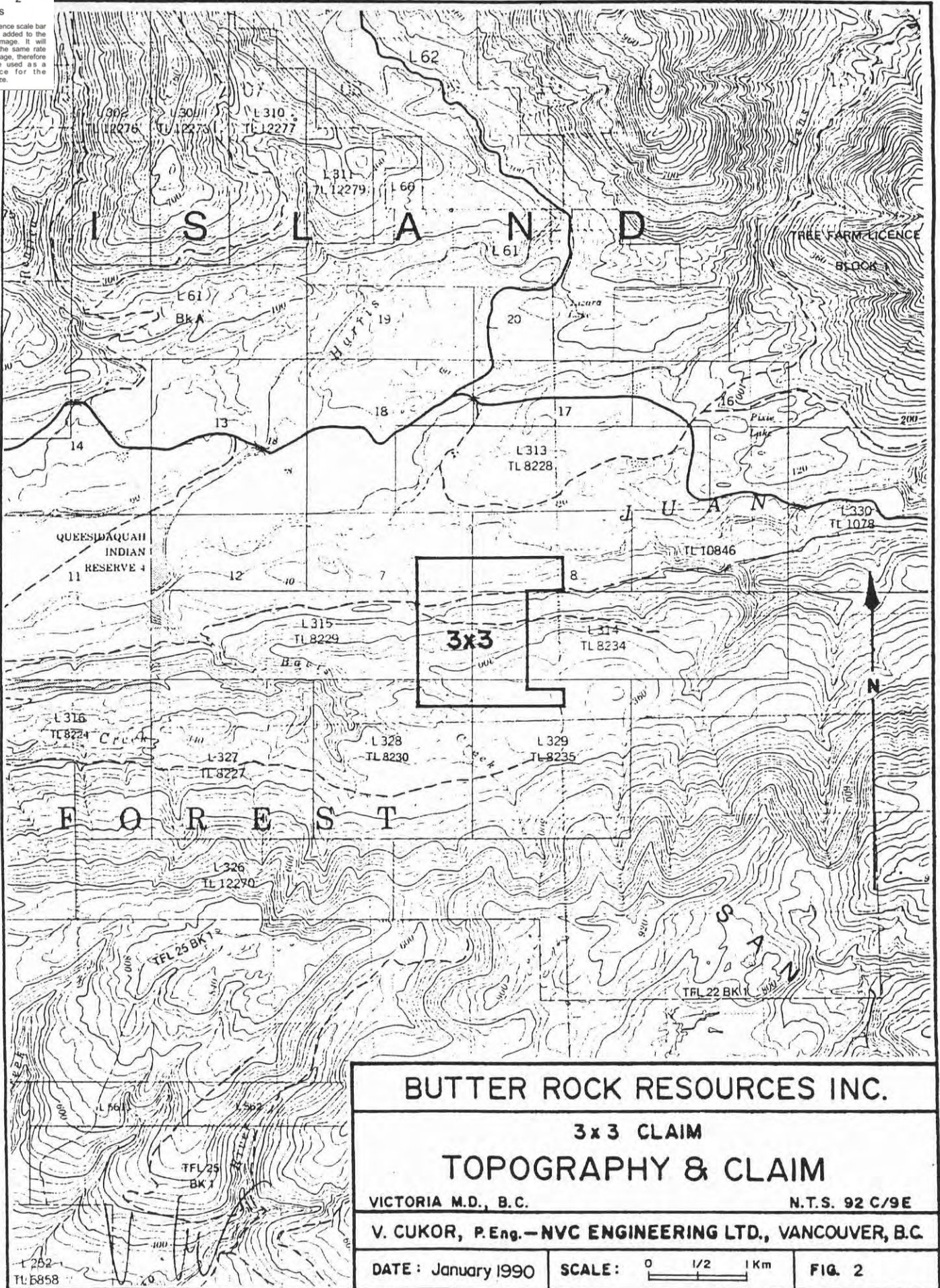
V. Cukor

BUTTER ROCK RESOURCES INC.		
LUSTY-VALIANT & 3x3 PROPERTIES		
LOCATION MAP		
VICTORIA M.D., B.C.		92 B/12W & 92C/9E
V.CUKOR, P.Eng. - NVC ENGINEERING Ltd. - VANCOUVER, B.C.		
DATE: January 1990	SCALE: 	FIG. 1



BRITISH COLUMBIA
GEOLOGICAL SURVEY

This reference scale bar has been added to the original image. It will scale at the same rate as the image, therefore it can be used as a reference for the original size.



BUTTER ROCK RESOURCES INC.

3x3 CLAIM

TOPOGRAPHY & CLAIM

VICTORIA M.D., B.C.

N.T.S. 92 C/9E

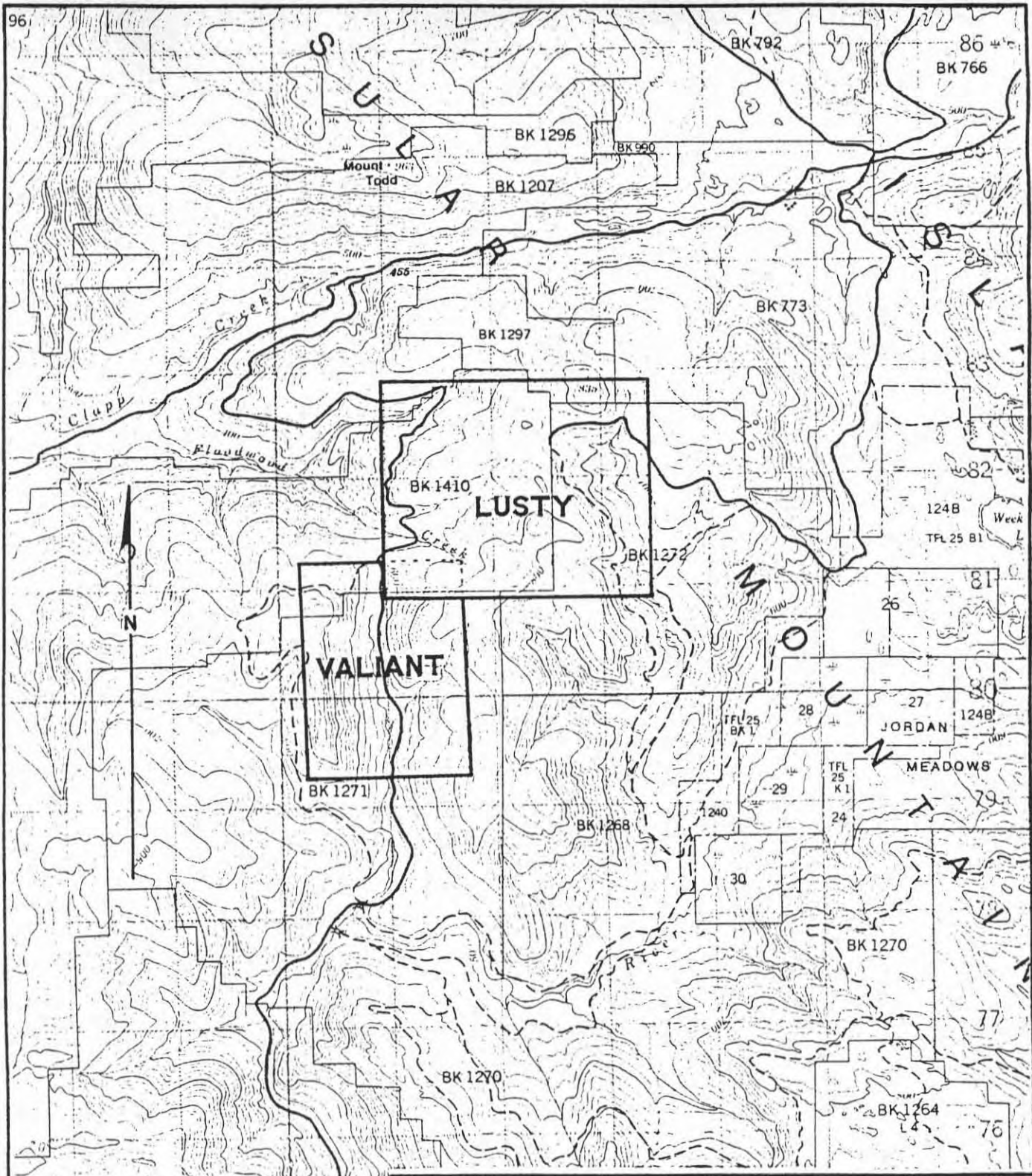
V. CUKOR, P.Eng. - NVC ENGINEERING LTD., VANCOUVER, B.C.

DATE: January 1990

SCALE: 0 1/2 1 Km

FIG. 2

L 252
Tl: 5858



BUTTER ROCK RESOURCES INC.

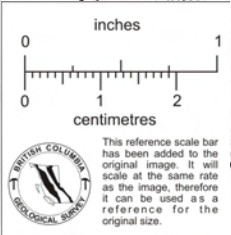
LUSTY-VALIANT PROPERTY

TOPOGRAPHY & CLAIMS

VICTORIA M.D., B.C. N.T.S. 92 B/12W

V. CUKOR, P.Eng. — NVC ENGINEERING LTD, VANCOUVER, B.C.

DATE: January 1990 SCALE: 0 1/2 1 Km FIG. 3



3. PROPERTY

3.1 LOCATION

Both mineral properties are located on the southern part of Vancouver Island. The 3X3 claim is approximately 25 kilometres east of Port Renfrew, a small community on the Island's southern coast. The claim is centred at approximate north latitude 48 34' 30" and west longitude 124 14'. It is on NTS 92C/9E.

The Lusty-Valiant claims are in the central south part of the Island, located about 25 kilometres southwest of Duncan, B.C. on NTS 92B/12W. The claims are centred at approximate north latitude 48 34' 30" and west longitude 123 55'.

Both properties are in the Victoria, B.C. Mining Division. The general location is shown on fig. 1.

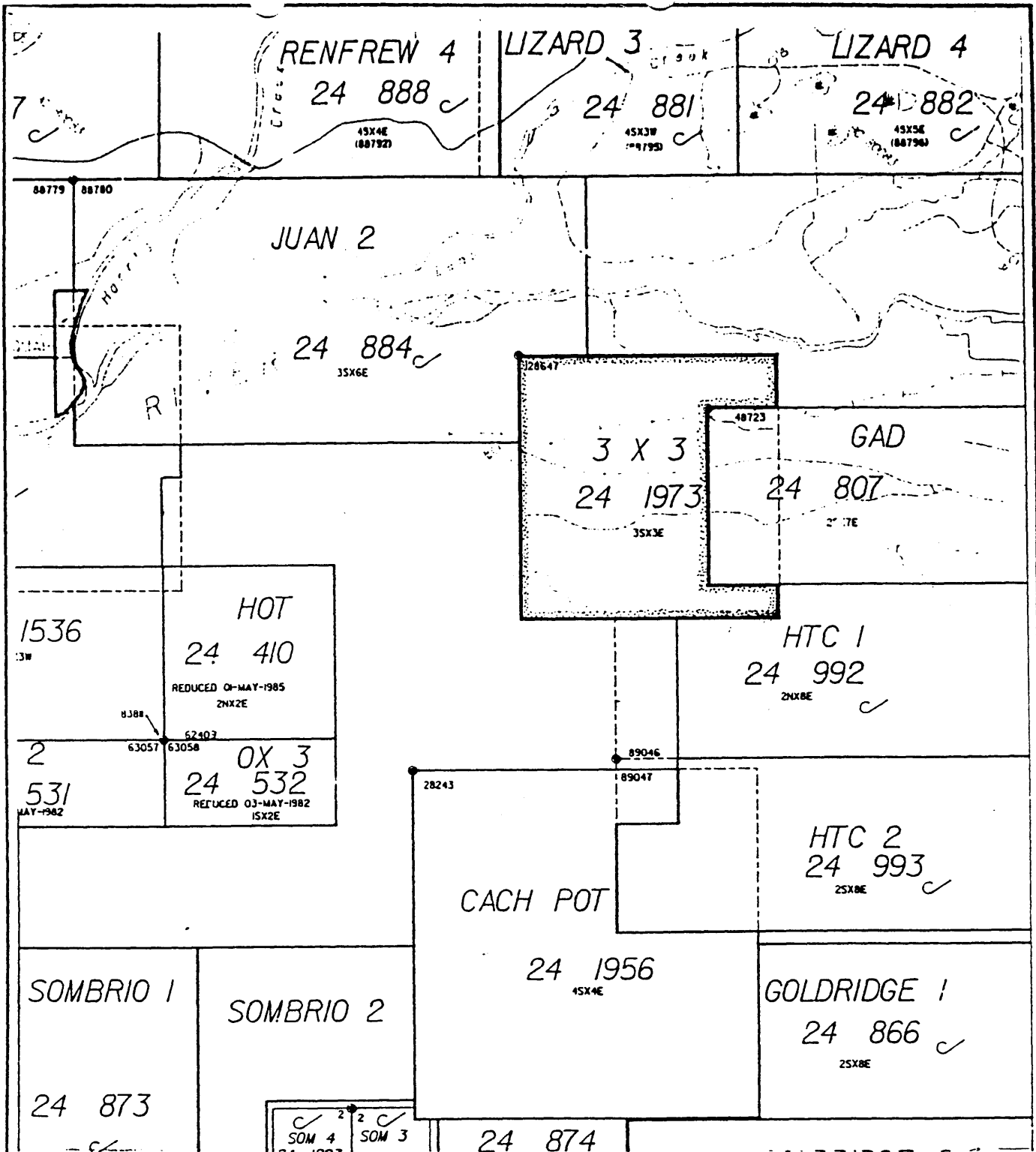
3.2 ACCESS

Both the 3X3 and Lusty-Valiant properties are readily accessible by roads.

On the 3X3 claim, the main haul road, Red Creek Fir, provides good access to the area. A good quality secondary logging road allows easy access to different parts of the claim.

The closest settlement is Port Renfrew, B.C., located about 30 kilometres northwest of Victoria, B.C. Lodging and meals for the crew are available there but none of the field supplies and/or services can be obtained there.

The Lusty-Valiant property is accessible from Shawnigan Lake by a main hauling road for a distance of 12 kilometres in the west direction. From the 12 kilometre point, the property is accessible by secondary logging roads. The Vancouver based C.I.P. Forest Company holds the



BUTTER ROCK RESOURCES INC.

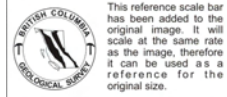
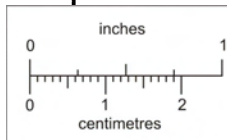
3 x 3 CLAIM

CLAIM MAP

VICTORIA M.D., B.C. N.T.S. 92 C/9E

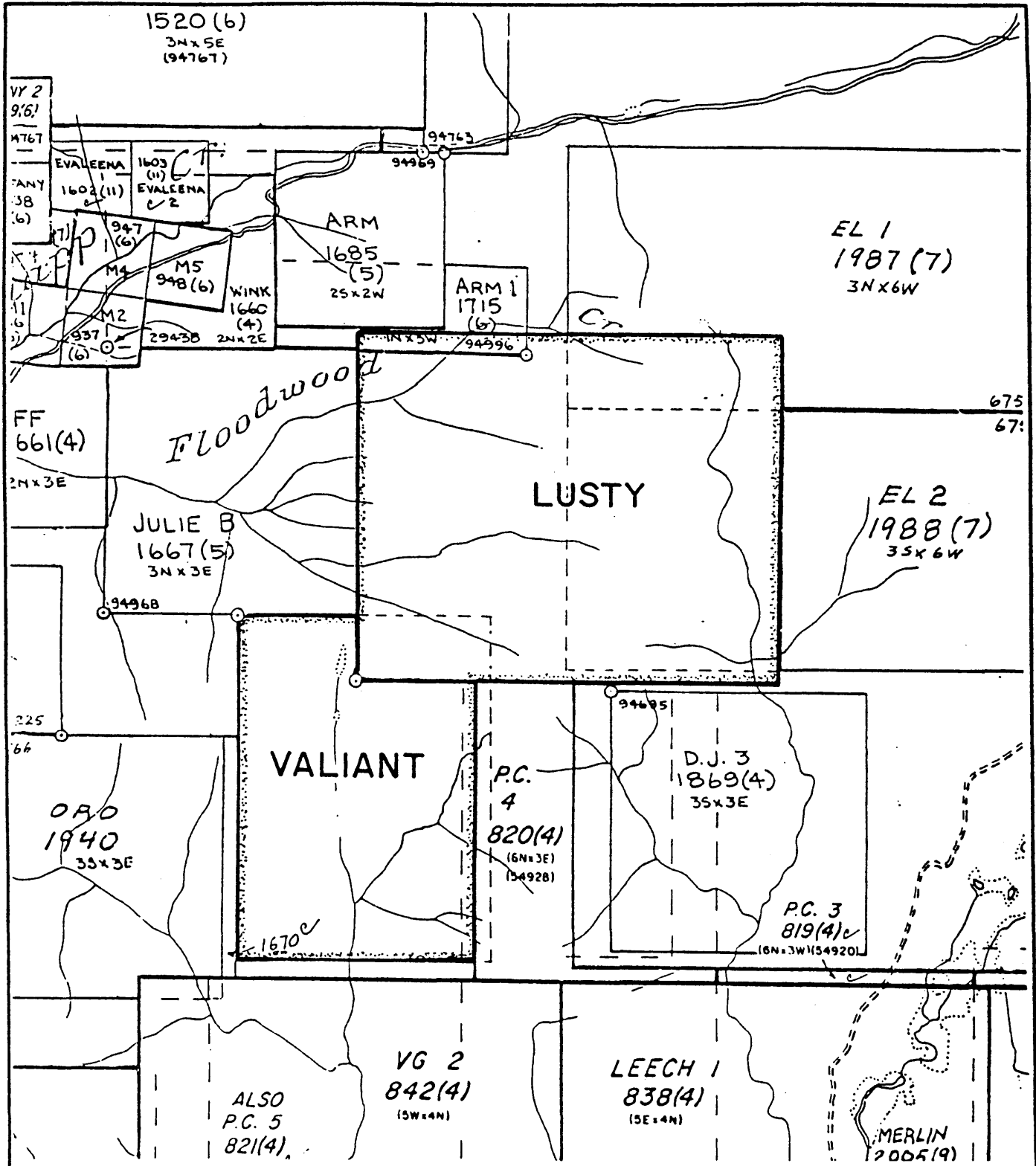
V. CUKOR, P.Eng. - NVC ENGINEERING LTD., VANCOUVER, B.C.

DATE: January 1990 SCALE: 0 1/2 1 Km FIG. 4



V. C.

This reference scale bar has been added to the original image. It will scale at the same rate as the image, therefore it can be used as a reference for the original size.



BUTTER ROCK RESOURCES INC.

LUSTY-VALIANT PROPERTY

CLAIM MAP

VICTORIA M.D., B.C.

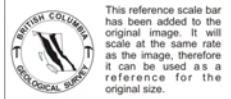
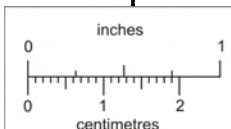
N.T.S. 92 B/12W

V. CUKOR, P.Eng. — NVC ENGINEERING LTD, VANCOUVER, B.C.

DATE: January 1990

SCALE: 0 1/2 1 Km

FIG. 5



This reference scale bar has been added to the original image. It will scale at the same rate as the image, therefore it can be used as a reference for the original size.

surface rights in the area and it is necessary to obtain permits for access to the claims.

3.3 CLAIMS

Butter Rock's holdings on Vancouver Island consist of two non-contiguous properties separated by about 20 kilometres distance. The claims and the pertinent numbers are as follows:

<u>Claim Name</u>	<u>No. Units</u>	<u>Record No.</u>	<u>Anniversary Date</u>
3X3	9	1973	June 29
Lusty	20	1951	June 16
Valiant	12	1952	June 16

All claims were located on the modified grid system, 3X3 as a single claim, and Lusty-Valiant as a separate contiguous group. The Company has obtained 100% interest in the properties. Figures 2 and 3 show the claims in relation to topographical features and figures 4 and 5 show neighbouring claims.

Both properties are in the areas where timber licences were granted to C.I.P. and B.C. Forest Products, and necessary permits have to be obtained prior to commencement of any exploration activities.

3.4 TOPOGRAPHY AND CLIMATE

The 3X3 claim is located on the foot and lower slopes of the San Juan Ridge. Topography on the claim consists of the San Juan River flats on the north, increasingly steep slopes with a series of shear cliffs in the middle and a terrace on the south.

Vegetation on the 3X3 property consists of deciduous forest on the river flats and first growth on the southern edge. Most the claim area has been logged recently.

The Lusty-Valiant property covers the valley of the north fork of the Jordan River and the adjacent ridges. Topographic relief is approximately 380 metres with the highest peak at about 840 metres.

Most of the Lusty-Valiant property has been logged off in the past and replanted, and is now covered by second growth of various maturity.

Climate of the 3X3 claim and Lusty-Valiant property is fairly typical for the West Coast. The summers are usually hot and relatively dry. Atmospheric precipitation is high in the other seasons. Winters are cool to moderately cold with variable amounts of snowfall year to year. The tops of the hills, made bare by logging, are subject to fairly high winds during the winter storms. The generally moderate climate and high precipitation are conducive to fast vegetation growth.

Timber and water for exploration purposes are available on the property.

4. HISTORY

Placer gold was discovered on the southern part of Vancouver Island around 1864, first on the Leech River and then on the Sooke, San Juan, Sombrio and Jordan Rivers and Meadow and Floodwood Creeks. Subsequent production was carried out on several locations, but the records were poorly kept.

The potential for the presence of the Lode gold deposits was mentioned for the first time in GSC Memoir 96, H. C. Cooke, in 1917. A number of gold showings were discovered in the area since. The most promising to date is the Valentine Mountain deposit of Valentine Gold Corporation, located about 6 kilometres south of the Lusty-Valiant claim and about 20 kilometres southeast of the 3X3 claim. On that property, narrow quartz veins produced most attractive samples with free gold; one of the veins assayed 34.95 oz/t Au, over 17 cm width. Visible gold was also reported from the drill core.

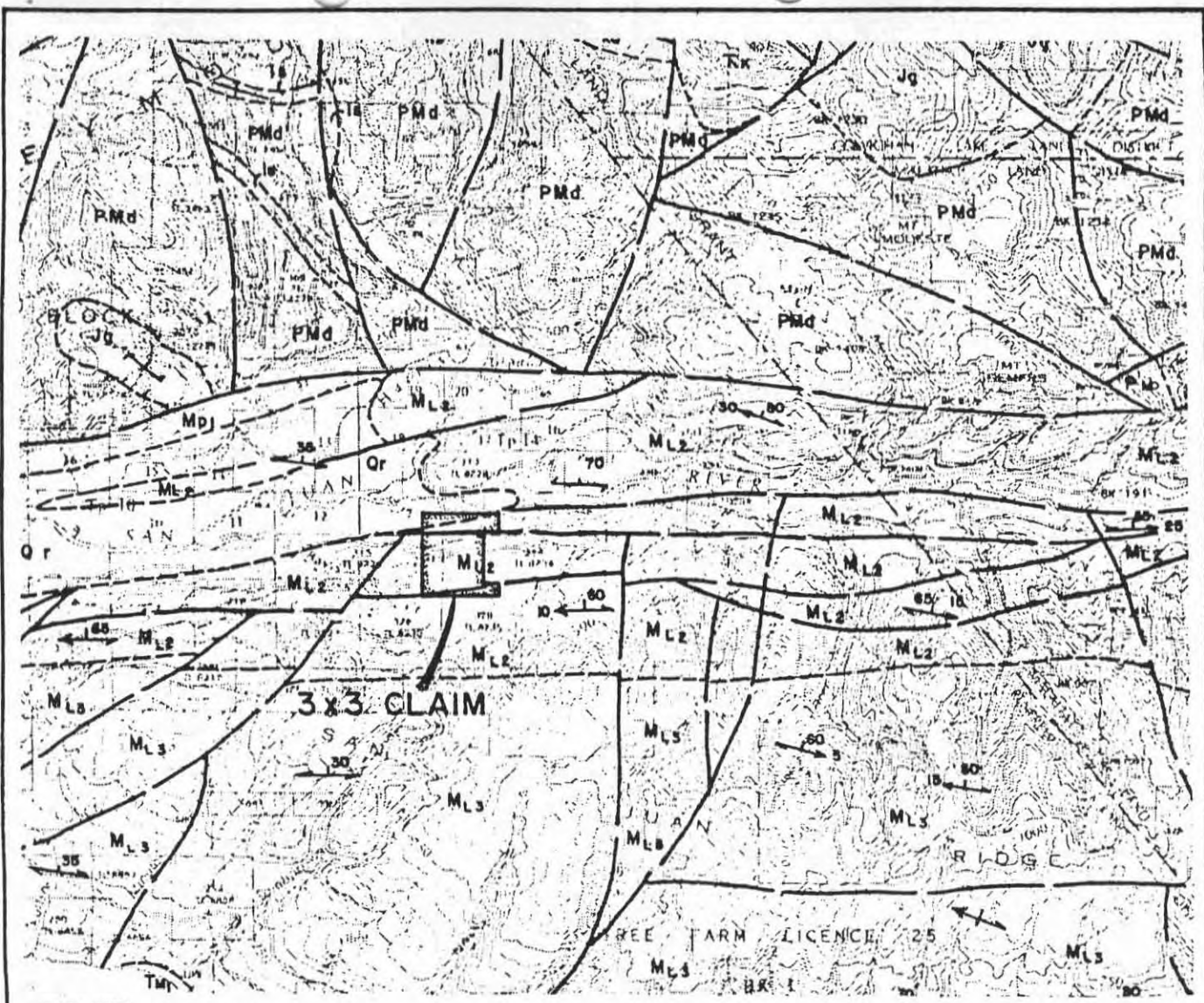
Elsewhere within the Leech River Complex, some major companies held huge blocks of claims. A large area was then submitted to regional geophysical airborne surveys, but very little, if any, ground follow-up work was carried out afterwards.

Neither the area now covered by the 3X3 claim, nor the Lusty-Valiant claims has records of any previous ground exploration work performed. Both groups were, however, covered by airborne magnetic and electromagnetic surveys within the scope of regional airborne surveys.

The GAD claim, which joins the 3X3 claim along its east side, was reported to be underlain by a volcano sedimentary complex with showings of massive pyrrhotite with chalcopyrite and sphalerite. No assays from these showings are available and it is not known whether these showings contain any gold. In the 3X3 area, the airborne geophysical study encountered four VLF-EM conductors associated with magnetic anomalies.

In the Lusty-Valiant claim area, some prospecting by Ryder Petroleum Inc. in 1984 encountered anomalous silt samples to the northeast from the claim. The 1987 program on the Bingo-Bango property, which lies about two miles east in a similar geological environment, encountered gold values in rock and soil, within an extensive northwest striking, silicified and graphitic shear zone.

The airborne VLF-EM anomaly in the Lusty-Valiant claim strikes northeast, perpendicular to the general structural trend in the area.



TRIASSIC TO CRETACEOUS

LEECH RIVER FORMATION

- MLz METAGREYWACKE-SCHIST UNIT: metagreywacke, meta-arkose, quartz-feldspar-(garnet-) biotite schist
- MLs ARGILLITE-METAGREYWACKE UNIT: thinly bedded greywacke and argillite, slate, phyllite, quartz-biotite schist
- MLc CHERT-ARGILLITE-VOLCANIC UNIT: ribbon chert, cherty argillite, metarhyolite, metabasalt, chlorite schist

PACIFIC RIM COMPLEX

- Mpj ARGILLITE-METASILTSTONE UNIT: metasiltstone, argillite, minor conglomerate
- Mpi CHERT-ARGILLITE-VOLCANIC UNIT: ribbon chert, cherty argillite, basaltic lava tuff, volcanic breccia, chlorite schist

JURASSIC

LOWER JURASSIC

BONANZA GROUP

- Jb basaltic to rhyolitic tuff, breccia, flows, sills and dykes, minor argillite greywacke

LOWER TO MIDDLE JURASSIC

ISLAND INTRUSIONS

- Jg granodiorite, quartz diorite

UPPER PALEOZOIC AND ? OR TRIASSIC AND JURASSIC

- Pmd WESTCOAST COMPLEX: quartz diorite, diorite, tonalite, agmatite; minor metavolcanic and metasedimentary rocks
 - Lx recrystallised limestone, skarn
- LOWER DEVONIAN AND OLDER
- Pc MYRA FORMATION: well-bedded silicic tuff and breccia

Reference to GSC Map O.F. 821, J.E. Muller, 1982

BUTTER ROCK RESOURCES INC.

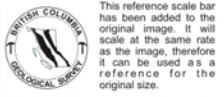
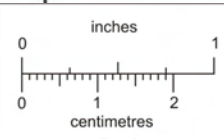
3 x 3 CLAIM

REGIONAL GEOLOGY

VICTORIA M.D., B.C.
N.T.S. 92 C/9E

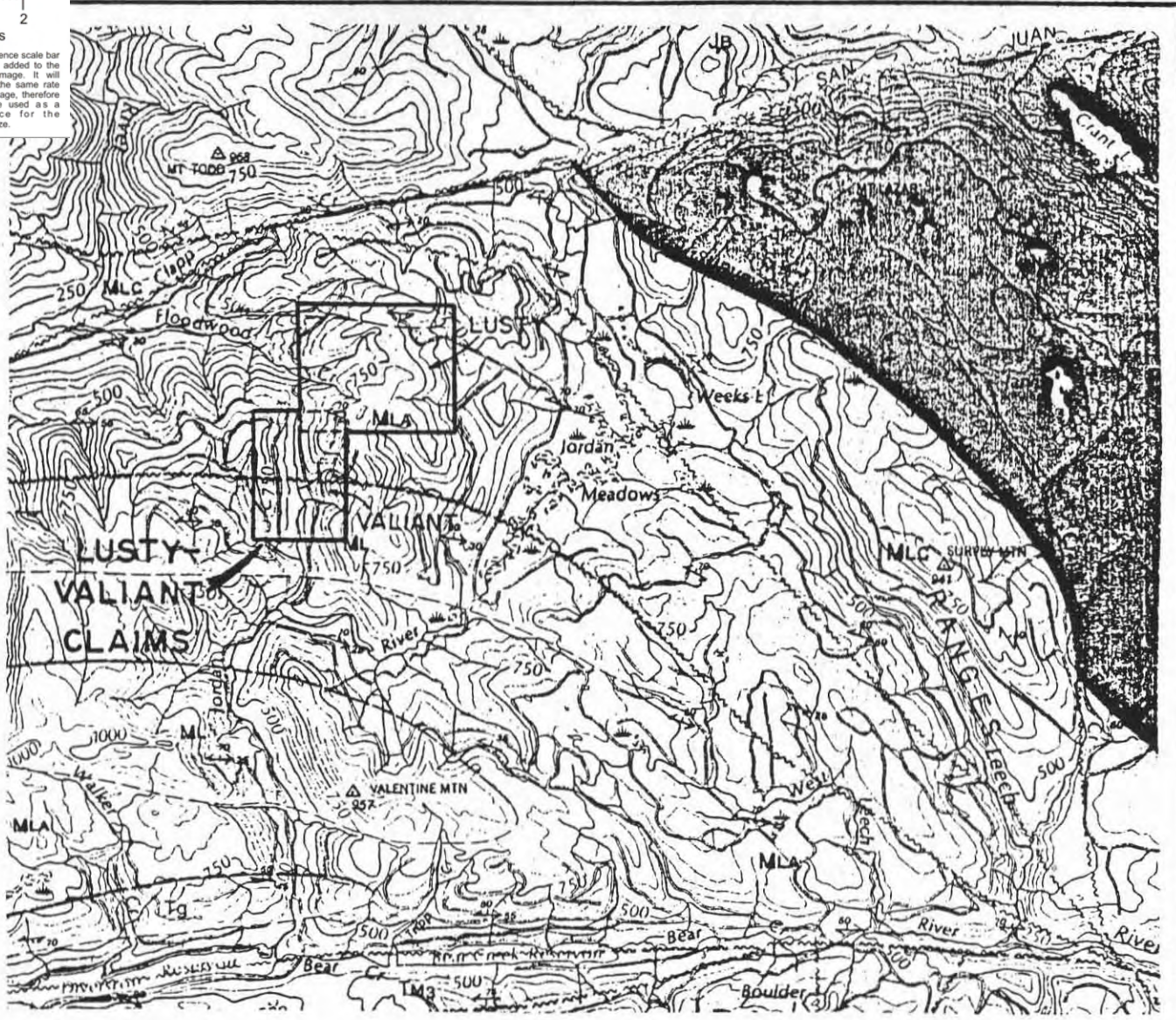
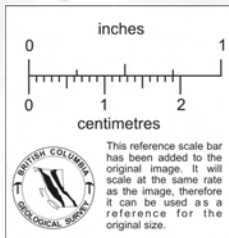
V. CUKOR, P.Eng. — NVC ENGINEERING LTD., VANCOUVER, B.C.

DATE: January 1990
SCALE:
FIG. 6



V. Cukor

This reference scale bar has been added to the original image. It will scale at the same rate as the image, therefore it can be used as a reference for the original size.



TRIASSIC TO CRETACEOUS

LEECH RIVER FORMATION (MLC to ML)

ML

METAGREYWACKE UNIT: metagreywacke, meta-arkose, quartz-leidspar - biotite schist

MLA

ARGILLITE - METAGREYWACKE UNIT: thinly bedded greywacke and argillite, slate, phyllite, quartz-biotite schist

MLC

CHERT-ARGILLITE-VOLCANIC UNIT: ribbon chert, cherty argillite, metarhyolite, metabasalt, chlorite schist

TRIASSIC

VANCOUVER GROUP

TK

KARMUISEN FORMATION: pillow basalt, breccia tuff, minor flows

JURASSIC

BONANZA GROUP

JB

Basaltic to rhyolitic tuff, breccia, flows, minor argillite, greywacke

LOWER PALEOZOIC (OR YOUNGER?)

PW

WARK GNEISS: massive and gneissic metadiorite, metagabbro, amphibolite

Reference to GSC Map 1553, J.E. Muller, 1980.

BUTTER ROCK RESOURCES INC.	
LUSTY-VALIANT PROPERTY	
REGIONAL GEOLOGY	
VICTORIA M.D., B.C.	N.T.S. 92 B/12W
V. CUKOR, P.Eng. — NVC ENGINEERING LTD., VANCOUVER, B.C.	
DATE: January 1990	SCALE: 2Km
FIG. 7	

5. GEOLOGY

5.1 REGIONAL GEOLOGY

The general geology of the 3X3 property is shown on the GSC Open File Geology map 821 by J. E. Muller, and the Lusty-Valiant claims are covered by the GSC Map 1553, also by J. E. Muller.

The area surrounding both properties is underlain by sediments and/or volcanics of Quaternary to Paleozoic age. Older formations were in turn intruded by probably Jurassic or older Westcoast Complex containing mostly quartz diorite and diorite.

The two main east-west structural elements which were the most responsible for the distribution of geological formations are the San Juan fault zone and the Leech River fault zone. The area between these two zones is underlain by the units of Triassic to Cretaceous Leech River Formation of metasediments, sediments and volcanoclastics. Both the 3X3 and Lusty-Valiant claims fall between these two faults and cover the Leech River formation.

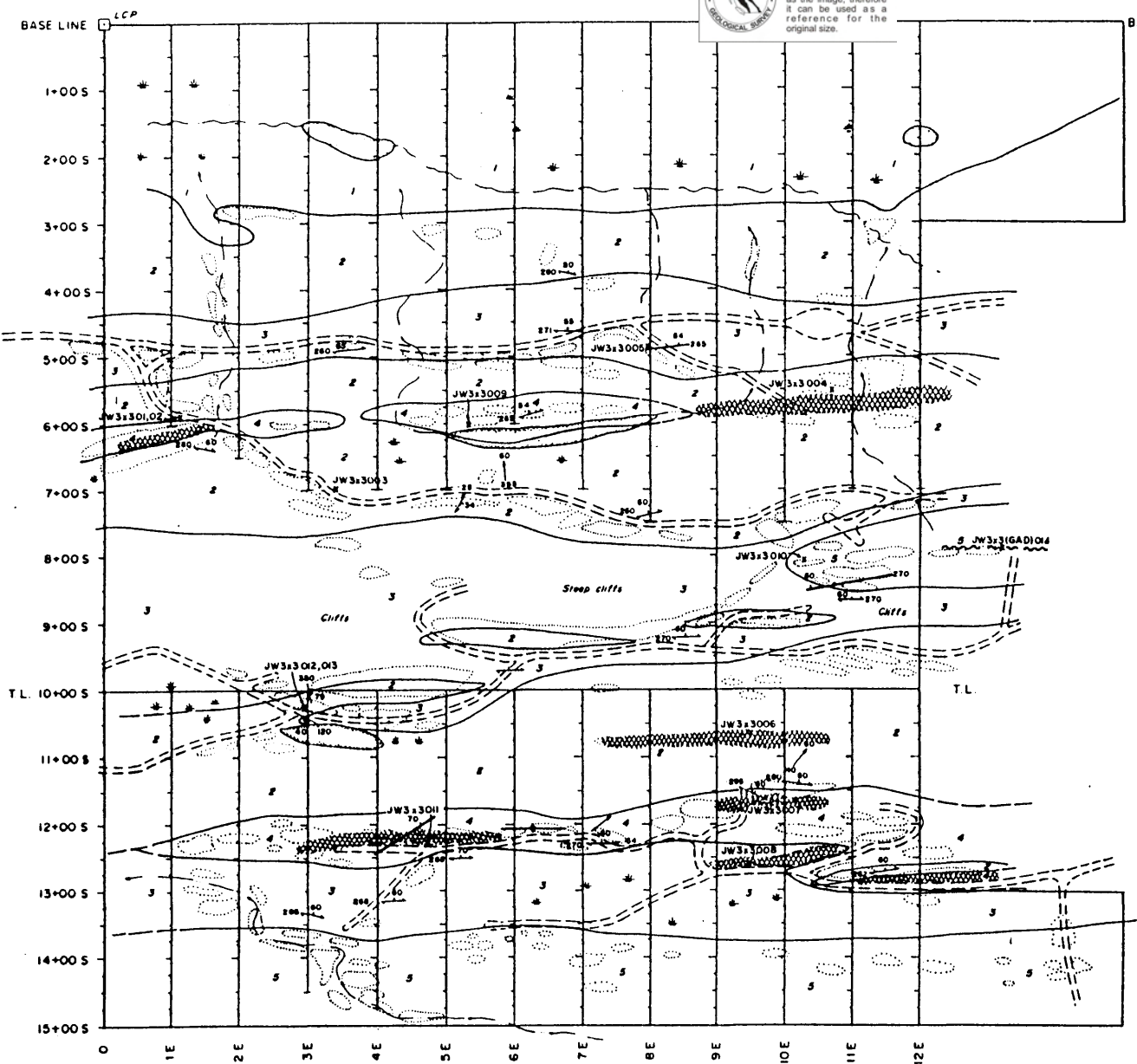
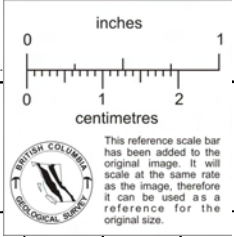
5.2 LOCAL GEOLOGY

5.2.1 Geology of the 3X3 Claim

The northernmost part of the claim is covered by the fluvial sediments of the San Juan Floodplain (fig. 8, Map Unit No. 1).

In the northerly direction, outcrop exposures occur on several easterly trending ridges that represent the surface projections of a series of steeply dipping shear folded structures. These outcrop patterns produce a series of shear cliffs with terraced plateaus that rise abruptly from the fluvial sediments.

Outcrop exposures generally consist of schist and sheared amphibolites typical to the Leech River sedimentary complex.



LEGEND

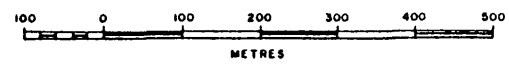
- QUATERNARY SEDIMENTS**
- 1 Unconsolidated flood plain sediments
- LEECH RIVER FORMATION**
- 2 Fine grained, well foliated chlorite sericite schist, quartz muscovite schist
 - 3 Dark to light grey, fine phyllitic mudstone, black shale, graphitic schist and argillite
 - 4 Dark grey, gossanous or with cleavage faces, phyllitic mudstone, shale, thin layers of graphitic schist, (Iron formation: high iron content)
 - 5 Bright green, foliated chloritized meta-amphibolite (magnetic: contains disseminated magnetite)

GEOLOGICAL SYMBOLS

- Geological contact (observed)
- - - Geological contact (inferred)
- ↗ Anticlinal axis
- ~ Shear
- ↘ 80 32 Cleavage with strike & dip
- ↘ 60 Cleavage showing plunge of lineation
- ↘ 60 Lineation
- ↘ 70 Jointing with strike & dip
- ↘ 64 Quartz vein showing trend & dip
- Outcrop outline
- JW33002 Rock sample location & number
- ▨ Areas of silicification

TOPOGRAPHICAL SYMBOLS

- ==== Road
- ~ Creek
- Pond
- * Swamp
- LCP Legal Corner Post



BUTTER ROCK RESOURCES INC.		
3 x 3 CLAIM		
GEOLOGY		
VICTORIA, MINING DIVISION, B.C.		M.T.S. 92 C/9E
V. CUKOR, P. Eng - MVC ENGINEERING LTD., VANCOUVER, B.C.		
DATE: January 1990	SCALE: 1:5000	Fig. 8

Individual rock units generally strike east/west and dip steeply to the north, consistent with the regional trends imposed by the San Juan fault, immediately to the north of the property.

Lithologies were roughly subdivided into four main units which include:

- I) light green to greyish green, fine grained fissile chlorite sericite schist with localized interbedded quartz biotite schist (Map Unit No. 2);
- II) dark to light grey phyllitic mudstone, black shale, graphitic schist and argillite (Map Unit No. 3);
- III) dark grey or stained black (weathers rusty red on places of cleavage) iron formation; phyllitic mudstone interlayered with discrete units of shale and graphitic schist (Map Unit No. 4);
- IV) bright "lime" green, fine to medium grained chloritized sheared meta-amphibolite (contains magnetite) (Map Unit No. 5)

Both the gossanous weathering and staining and high magnetic ground anomaly associated with Map Unit 4 suggest a high chemical component of iron. This unit correlates with the iron formation described on the GAD claim immediately to the west of the 3X3 (pers. comm. Gord Allen, Geologist, Beau Pre Resources, Victoria).

The close proximity of the San Juan fault has obliterated any of the primary sedimentary structures associated with original deposition. As a result, stratigraphic relationships are uncertain and beyond the scope of the present survey.

Contacts between individual units are highly sheared and gradational. Localized shears, refractory cleavage and kink folding were common at geological boundaries between units of contrasting competency. Localized silicification consisting of networks of quartz stringers, oxidation and chloritization were the dominant forms of alteration observed in these areas.

Under the influence of the San Juan fault, original bedding and macroscopic compositional layering is generally parallel to the schistosity and secondary fracture cleavage. Variations in the apparent thicknesses of individual units and the presence of large scale pinch and swell structures are typical of a highly deformed terrain.

The appearance of "M" shaped folds, oblique patterns of criss-crossing quartz stringers and bedding cleavage relationships suggest the presence of a tight isoclinally folded antiform at the centre of the upper grid. Orientations of bedding cleavage intersection lineations suggest an easterly plunge consistent with the documented regional trends for this area (Fairchild et al, 1982).

The local metamorphic grade is greenschist facies, well defined by the assemblage of chlorite, epidote, actinolite and magnetite in the sheared amphibolites (Map Unit 5) and fine grained chlorite and muscovite observed in pelitic schists. Localized concentrations of fine sugary garnet were observed as irregular bands and layers in some chlorite sericite schists.

5.2.2 Mineralization of 3X3 Claim

The massive pyrrhotite, chalcopyrite, sphalerite mineralization was reported to be present on the adjoining GAD claim, within the "iron formation" unit. Although this same unit extends onto the 3X3 claim, no such mineralization was detected on this claim.

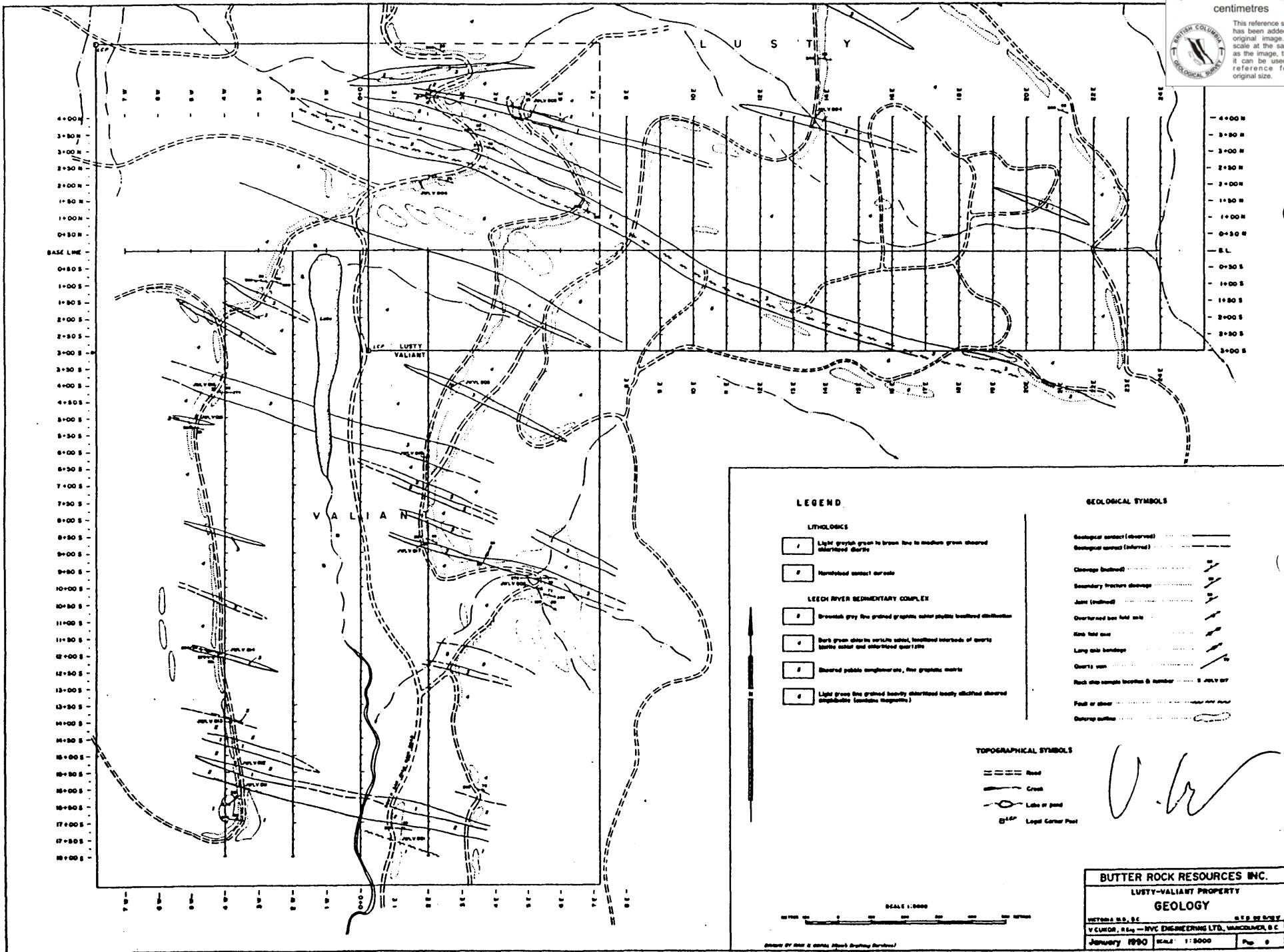
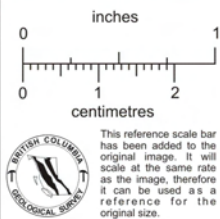
In the eastern part of the 3X3 claim, however, several zones of silicification with hematite staining are found within sheared sedimentary units. These zones are exposed along the east/west ridges and during the mapping, it was interpreted that these were individual short east/west running zones. However, although positioned within different geological units, most of these zones were lined up along the general north/south trend and are conspicuously closely associated with high geochemical gold anomaly. Some very good gold values were encountered from the outcrop following that same zone. In addition, topographic features and fractures indicate a broad zone of structural weakness, a possible conduit for mineralizing solutions. The fact that VLF-EM survey did not respond to that phenomenon is easily explained by the grid orientation, where the grid lines are parallel to the trend of the zone.

Results of rock chip samples from silicified outcrops across the mineralized structures were as follows:

<u>Sample No.</u>	<u>oz/t Gold</u>	<u>oz/t Silver</u>	<u>Character</u>
001	0.004	0.20	Chip
002	0.006	0.34	Chip
003	0.006	0.24	Chip
004	0.016	0.06	Chip
005	0.152	0.32	Chip
006	0.214	0.42	Chip
007	0.060	0.22	Chip
008	0.042	0.25	Chip
009	0.010	0.22	Chip
010	0.010	0.12	Chip
011	0.004	0.10	Chip
012	0.004	0.24	Chip
013	0.004	0.20	Chip
014	0.006	0.22	Chip (taken on GAD claim)

A detailed description of samples is given in Appendix A at the end of this report and sample locations are shown on the 3X3 Geology Map (see fig. 8). Assays were done by General Testing Laboratories employing fire assay method.

During further work, this area has to be examined in great detail to explore for the possible presence of the large north/south trending, gold bearing fracture zone.



LEGEND

LITHOLOGICS

- 1 Light grayish green to brown fine to medium grain sheared chloritized slate
 - 2 Hornblende contact aureole
- LEECH RIVER SEDIMENTARY COMPLEX**
- 3 Brownish gray fine grained quartzite, calcic phyllite, bedded distribution
 - 4 Dark green chlorite sericite schist, bedded interbeds of quartz, calcite schist and chloritized quartzite
 - 5 Sheared pebbly conglomerate, fine granitic matrix
 - 6 Light green fine grained heavily chloritized locally chloritized chlorite schist (contains magnetite)

GEOLOGICAL SYMBOLS

- Geological contact (observed)
- Geological contact (inferred)
- Clowage (inferred)
- Secondary fracture cleavage
- Joint (inferred)
- Overturned see fold axis
- Rock fold axis
- Long axis bedding
- Quartz vein
- Rock chip sample location & number
- Fault or shear
- Outcrop outline

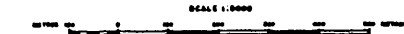
TOPOGRAPHICAL SYMBOLS

- Road
- Creek
- Lake or pond
- Legal Corner Post

V. Br

BUTTER ROCK RESOURCES INC.
LUSTY-VALIANT PROPERTY
GEOLOGY

RETURNS U.S. & C.T.S. BY MAIL
 V. CLAYTON, R. L. & INC. ENGINEERING LTD., VANCOUVER, B.C.
 January 1990 SCALE: 1:5000 Page 6



DESIGNED BY DMR & DRAWN BY DMR (Drawing Services)

5.2.3 Geology of the Lusty-Valiant Claim

Rock outcrops on the Lusty-Valiant claim consist of a sequence of sheared, isoclinally folded schists and sheared amphibolites typical of the formations of the Leech River Complex (as defined by Fairchild et al, 1982).

These units strike northwest to southeast and are well exposed in numerous road cuts which run through a series of relatively low bluffs on the Lusty and in the sides of a steep north/south "U" shaped glacial valley on the Valiant claim (see fig. 9).

These units have been roughly subdivided into six main lithologies and are described as follows:

- I) light green fine to medium grained sheared chloritized amphibolite containing localized areas of silicification consisting of roughly concordant networks of quartz stringers (Map Unit 6);
- II) sheared polymictic, quartz pebble conglomerate with a fine grained silicious graphitic matrix (Map Unit 5);
- III) a mixed unit consisting of dark green chlorite sericite schist, light green chloritized foliated quartzite and medium to fine grained chloritized quartz muscovite and quartz biotite schist (Map Unit 4);
- IV) dark grey to black fine grained graphitic schist and phyllite containing quartz stringers and silicified shears (Map Unit 3);
- V) hornfelsed contact aureole (Map Unit 2);
- VI) light green to brown fine grained sheared and chloritized diorite (Map Unit 1);

Intense shearing and deformation of these units has obscured or completely obliterated any of the primary sedimentary structures associated with original deposition. As a result, stratigraphic relationships between individual units are uncertain.

Units designated as graphitic schist separate contrasting lithologies and may represent the retrogressively altered and sheared contacts between units of contrasting competency. A prominent structural linear oblique to the south boundary of the Lusty claim and running through the northern portion of the Valiant claim was found to contain clay altered graphitic schist in fault contact with sheared amphibolite to the south and the mixed schist to the north. Localized silicification in graphitic units consisted of networks of brecciated quartz stringers and silicified shears.

Macroscopic compositional layering and contacts between individual units are generally parallel to schistosity and secondary fracture cleavage. Variations in the apparent thicknesses of individual units and boudinage of more competent units surrounded by envelopes of low temperature silicification and graphitic shears suggest high degrees of deformation.

Oblique patterns of criss-crossing quartz stringers in localized graphitic units and contrasting secondary and tertiary crenulation, fracture cleavage and kink folding, suggest the presence of several tight sheared fold hinges on the Valiant claim. The exact positioning of individual hinge zones would require additional detailed structural mapping and is beyond the scope of the present survey. These structural features may be related to the two compatible phases of deformation described by Fairchild and Cowan (1982).

Local metamorphic grade was found to be greenschist facies, well defined by the assemblage of chlorite, epidote, actinolite and magnetite in the shared amphibolites and fine grained chlorite

and muscovite observed in schists. There was a slight increase in grade toward intrusive bodies. Retrograded porphyroblasts of amphibole (var. augite) were observed in the sheared hornfelsic contact halos surrounding dioritic intrusives mapped along the northern and southern boundaries of the Valiant claim.

5.2.4 Mineralization of the Lusty-Valiant Claim

Rock samples taken during the course of the present survey were extracted from quartz stringers and areas of silicification in the graphitic schist. Samples were also taken from the irregular silicified brecciation in sheared chloritized contact halos surrounding diorite sills.

The quartz stringers that were sampled were generally small and subparallel to compositional layering in quartz muscovite, chlorite sericite and graphitic schists. In one unit of graphitic schist intense silicification and shearing along cleavage planes has produced an irregular mottling of rootless stringers (1 to 2 centimetres in thickness). This exposure was only slightly stained and oxidized.

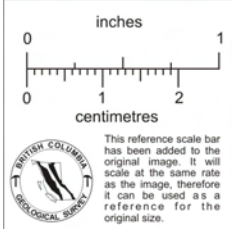
The quartz veins associated with graphitic schist were lightly to moderately stained and oxidized containing abundant hematite and limonite. No sulphide mineralization was visible. Irregular patterns of the intrusive were slightly magnetic and contain traces of fine disseminated pyrrhotite.

A total of 18 samples were collected but only three of them assayed around 0.01 oz/t gold. These samples are:




<u>Sample No.</u>	<u>oz/t Gold</u>	<u>oz/t Silver</u>
001	0.012	0.30
003	0.012	0.34
017	0.008	0.10


The rest of the samples assayed low. All assays are shown in the Assay Certificate (Appendix B), description of samples is in Appendix B and locations are shown on the Geology Map of the Lusty-Valiant claim, fig. 9.

Sampling results are not encouraging, although some follow-up detail examination is recommended in the location of the three aforementioned samples.



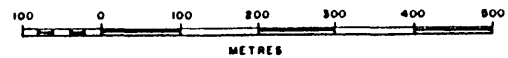
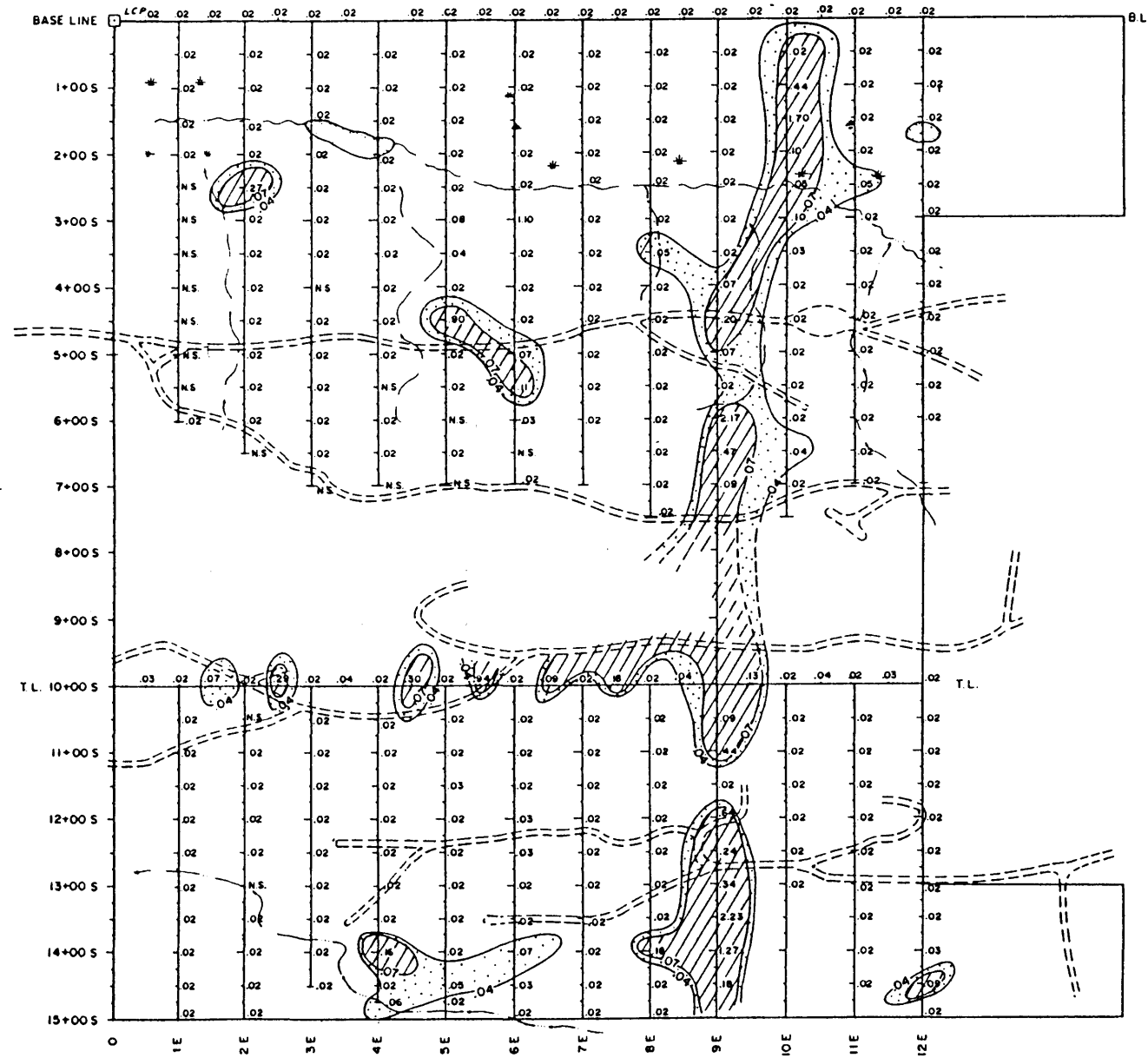
LEGEND

-  >.07 ppm Au — Significantly anomalous
-  .04-.07 ppm Au — Anomalous
-  <.04 ppm Au — Background

 Legal Corner Post



BUTTER ROCK RESOURCES INC.		
3 x 3 CLAIM		
GEOCHEMICAL SURVEY PLAN		
GOLD PLOT		
VICTORIA, MINING DIVISION, B.C.		M.T.S. 92 C/9E
V. CUKOR, P.Eng - NVC ENGINEERING LTD., VANCOUVER, B.C.		
DATE: January 1990	SCALE: 1:5000	Fig. 10



6. GEOCHEMICAL SOIL SURVEY

6.1 GENERAL DESCRIPTION

The survey was performed on precut grids which were also used for geophysical surveys and as a control for the geological mapping and soil sampling. A total of about 18 kilometres of grid lines was established on the 3X3 and 24.7 kilometres on the Lusty-Valiant claims.

Soil samples were collected along the lines at 50 metre spacing. Soil was taken from shallow pits, preferably from the "B" horizon, wherever good soil development was encountered. In areas of rock outcrops, any fine material found on location was also collected; however, swampy areas with organic materials were not sampled nor were the areas of steep, rocky cliffs. A total of 305 samples were taken on the 3X3 and 295 samples on the Lusty-Valiant claims.

All samples were packed in standard kraft sample bags, partially dried in camp and submitted to General Testing of Vancouver to be assayed for gold and silver. The assaying procedure was a combination of fire assays and Atomic Absorption methods.

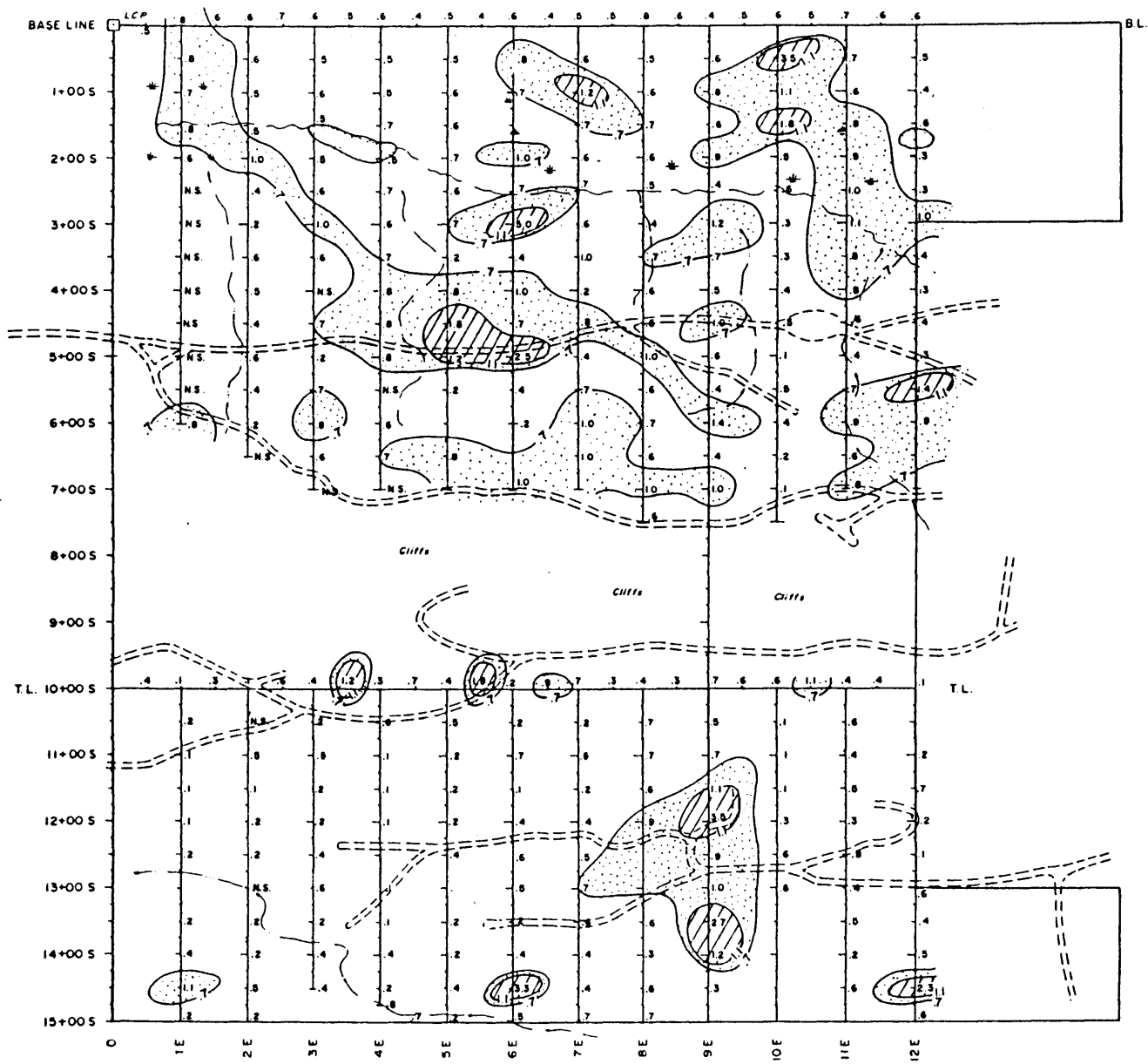
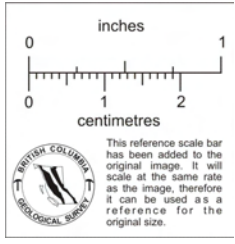
Assay results were then plotted separately for gold and for silver on grid plans in the scale of 1:5000 and all maps were contoured.

6.2 DISCUSSION OF RESULTS

6.2.1 3X3 Claim

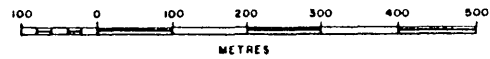
Gold

The assay was set with the lowest limit of detection at 20 ppb gold (0.02 ppm). The range of assays was between 0.02 and 2.23 ppm Au. Background values are considered lower than 0.04, anomalous values between 0.04 and 0.07 ppm and significantly



- >1.1 ppm Ag — Significantly anomalous
- .7-1.1 ppm Ag — Anomalous
- <.7 ppm Ag — Background

Legal Corner Post

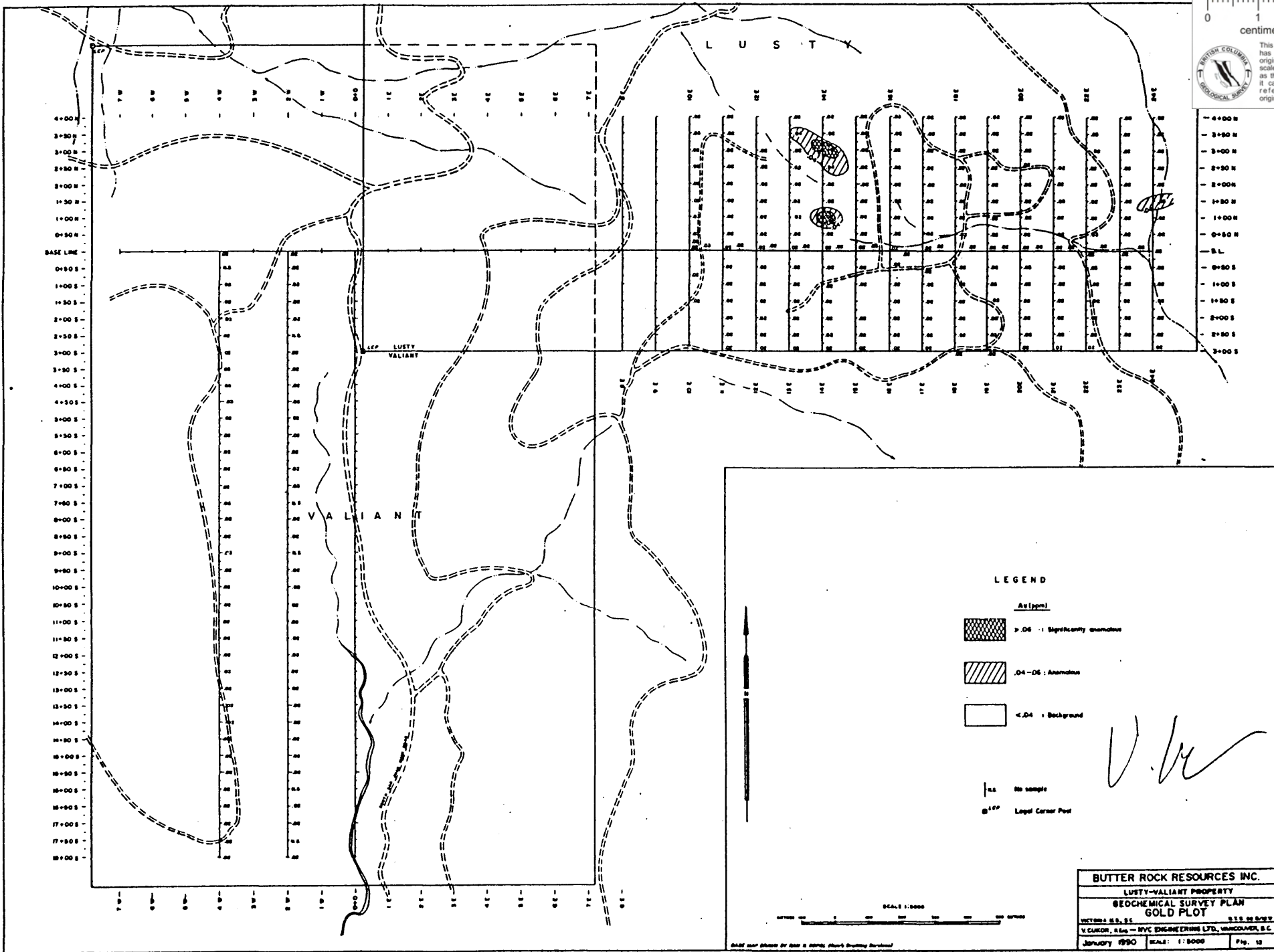
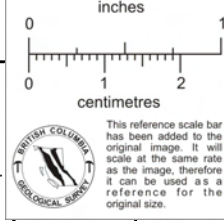


BUTTER ROCK RESOURCES INC.	
3 x 3 CLAIM	
GEOCHEMICAL SURVEY PLAN	
SILVER PLOT	
VICTORIA, MINING DIVISION, B.C.	M.T.S. 92 C/9E
V. CUKOR, P. Eng — MVC ENGINEERING LTD., VANCOUVER, B.C.	
DATE January 1990	SCALE 1:5000
Fig. 11	

anomalous, all values above 0.07 ppm Au. Several small anomalous areas are scattered over the grid area. The highlight of the survey is a significant anomaly, characterized by its size and strength, trending almost north/south along the lines 9E and 10E (see fig. 10). This anomaly most likely indicates a north/south trending, narrow structure, which remained undetected so far by geological mapping. Since it appears to trend in a general north/south direction, it was not identified by the VLF-EM survey. This anomaly needs further detailed evaluation. In addition, several anomalous gold values were also assayed along the tie line (10 + 00 S). It is possible that these values, along the top of the cliffs, are from the edge of a structure which mostly lies south of the tie line. During the dry season, these cliffs should be examined and sampled as well.


Silver


The assay results for silver range from 0.1 to 5 ppm Ag. Background values are considered lower than 0.7 ppm, anomalous values between 0.7 and 1.1 ppm and significantly anomalous values over 1.1 ppm silver. Unlike gold, silver values are scattered over the entire grid area with the highest value being an impressive 5 ppm silver. The largest anomaly seemed to be crossing the grid in the northwest/southeast trend. There is, however, very little correlation between gold and silver geochemical anomalies. Although there are some samples that carry both anomalous gold and silver, in general, both the sizes and shapes of the gold and silver anomalies differ greatly. Assays from the rock samples taken on the 3X3 claim also show the same pattern. While the silver values are fairly uniform on all 14 samples (from 0.1 to 0.42 oz/t Ag), the gold values show much greater relief (0.004 to 0.214 oz/t Au). This indicates that there is possibly more than one generation of sulphide mineralization on the property of which some carry gold and others, silver values.





LEGEND


As (ppm)

 >.06 : Significant anomalies

 .04-.06 : Anomalous

 <.04 : Background

 NS : No sample

 LCP : Legal Corner Post

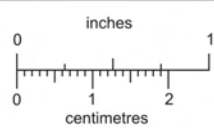
V. [Signature]

BUTTER ROCK RESOURCES INC.
 LUSTY-VALIANT PROPERTY
 GEOCHEMICAL SURVEY PLAN
 GOLD PLOT

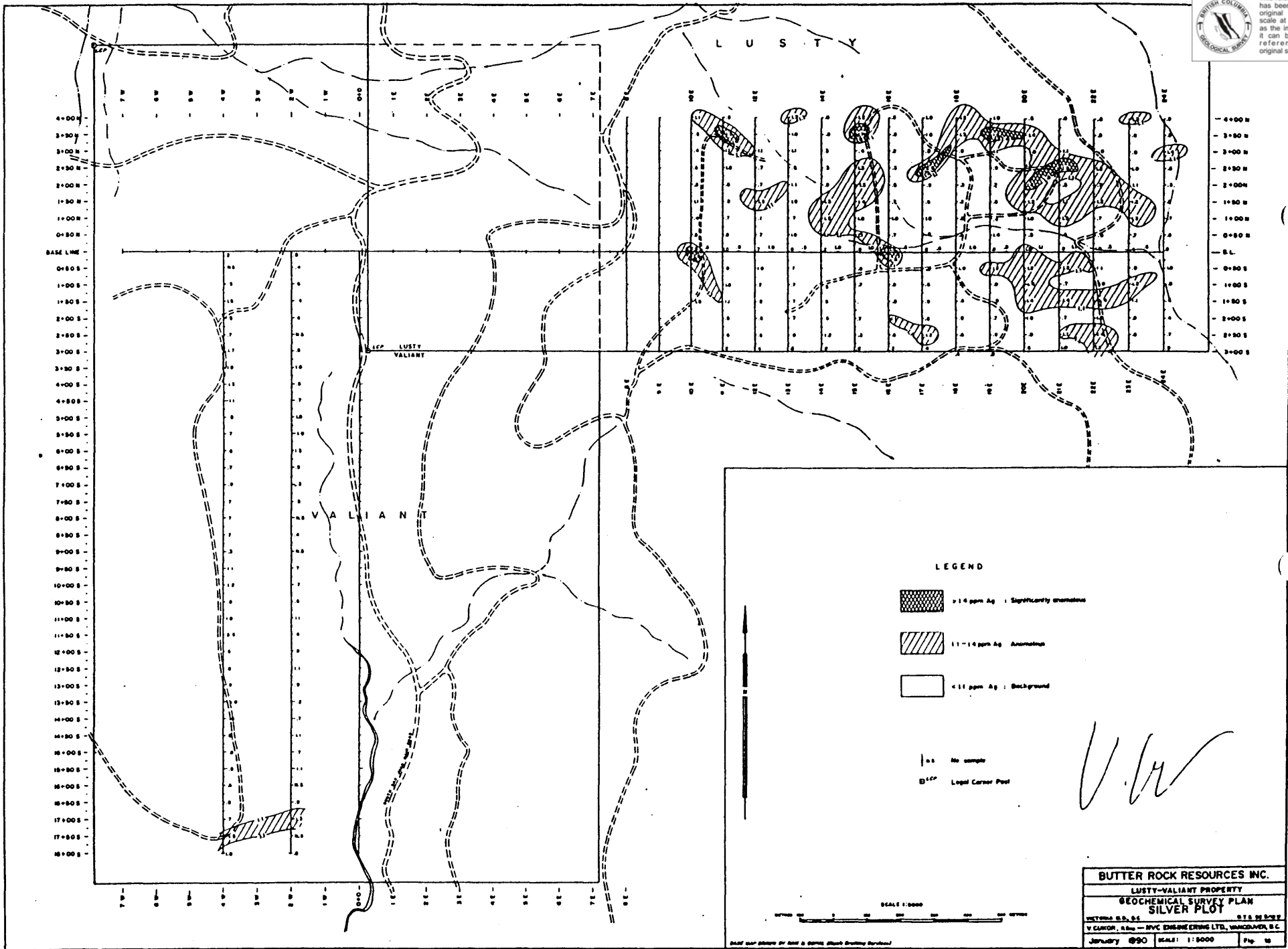
WESTERN B.C. DISTRICT REGISTRY
 VICTORIA, B.C. VANCOUVER, B.C.

January 1990 SCALE: 1:8000 Page 12

BASE MAP DRAWN BY BOB H. BIRCH (Mark's Drafting Services)



This reference scale bar has been added to the original image. It will scale at the same rate as the image, therefore it can be used as a reference for the original size.



LEGEND

- >14 ppm Ag : Significantly anomalous
- 11-14 ppm Ag : Anomalous
- <11 ppm Ag : Background

- No sample
- Legal Corner Post

V. W.

SCALE 1:5000

BUTTER ROCK RESOURCES INC.	
LUSTY-VALIANT PROPERTY	
GEOCHEMICAL SURVEY PLAN	
SILVER PLOT	
VICTORIA, B.C.	D.T.S. M. B.C.P.
V. CLAYTON, S.S.M. — INVC ENGINEERING LTD., VANCOUVER, B.C.	
January 1990	SCALE: 1:5000
	Page 10

Blank map obtained by Scott & Gordon (Blank Drawing Services)

6.2.2 Lusty-Valiant Claim

Gold

The gold assays on the Lusty-Valiant claim mostly stayed within the background limits. Only several spotty anomalous values were received from the total of 295 samples (see fig. 12). None of the anomalies has the size or strength to warrant further attention.

Silver

Statistical evaluation of geochemical assay results from the Lusty-Valiant property for silver revealed that a generally high background, but on average, the anomalous values do not show much relief (the highest value is 2.8 ppm, while other significantly anomalous values are in the range of 1.5 to 1.7 ppm Ag). The largest and strongest anomaly is in the northeast corner of the grid (see fig. 13) but it does not show any collective anomalous gold values. Nevertheless, the area should be examined in more detail by geological mapping and rock chip geochemical sampling. Any structures with sulphides should be carefully examined and sampled.

7. GEOPHYSICAL SURVEYS

These consisted of Ground Magnetic and VLF-EM surveys, which were run simultaneously, both utilizing the Scintrex IGS-2 system.

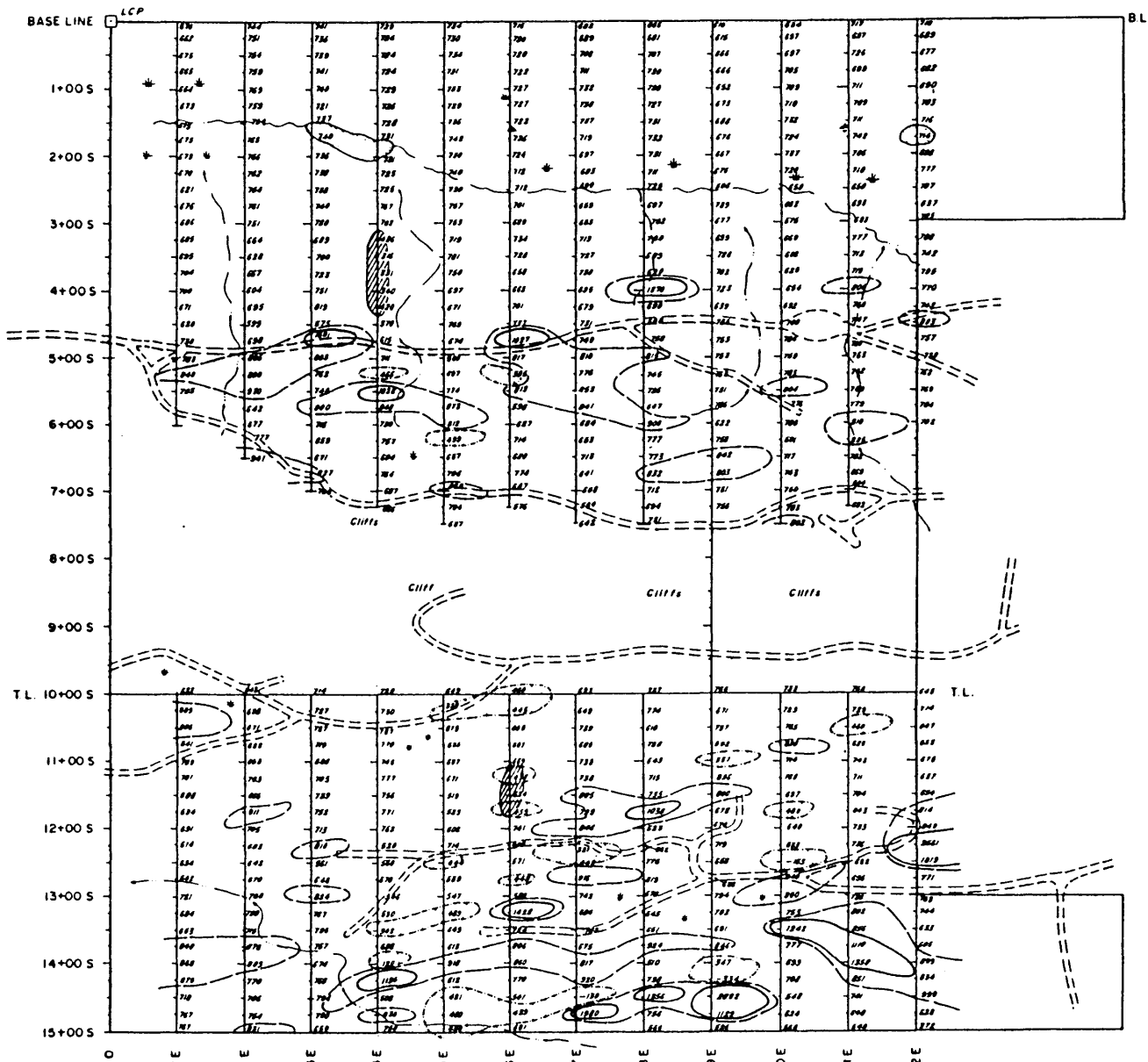
The part of the system dedicated to magnetics utilizes two console units, one set up as the base station, the other as the portable unit, and two similar proton precession sensors measuring total magnetic field. The base station and field unit are time synchronized so that the background field, diurnal variations and micro pulsations can be filtered from the data. The base station was programmed to measure the field and record the readings at five second intervals.

The VLF unit was set up to receive signals from two stations: NKL Seattle, Washington, 24.8 kHz and NPM Lualualei, Hawaii, 23.4 kHz, measuring the horizontal field strength and the in-phase and out-of-phase or quadrature components of the vertical field. The instrument uses a three coil system, one horizontal and two vertical coils, all at 90° angles to each other. The system is set to automatically adjust for topographical shadowing of signals.

7.1 MAGNETIC SURVEY

On both the 3X3 and Lusty-Valiant claims, the survey was done on a precut grid with 100 metre spaced lines and 25 metre stations. On one part of the Valiant grid, three 200 metre spaced lines were surveyed as well. Readings are shown on two 1:5000 plans (see figs. 14 and 15). Relative readings shown on the plans were arrived at by deducting 55,800 gammas from the corrected total magnetic field values.

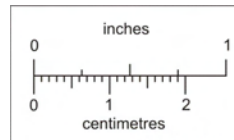
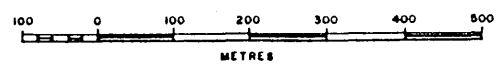
The magnetic relief on all surveyed parts is moderate.



LEGEND

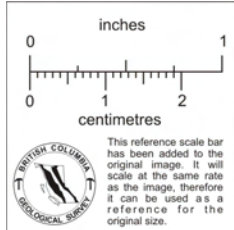
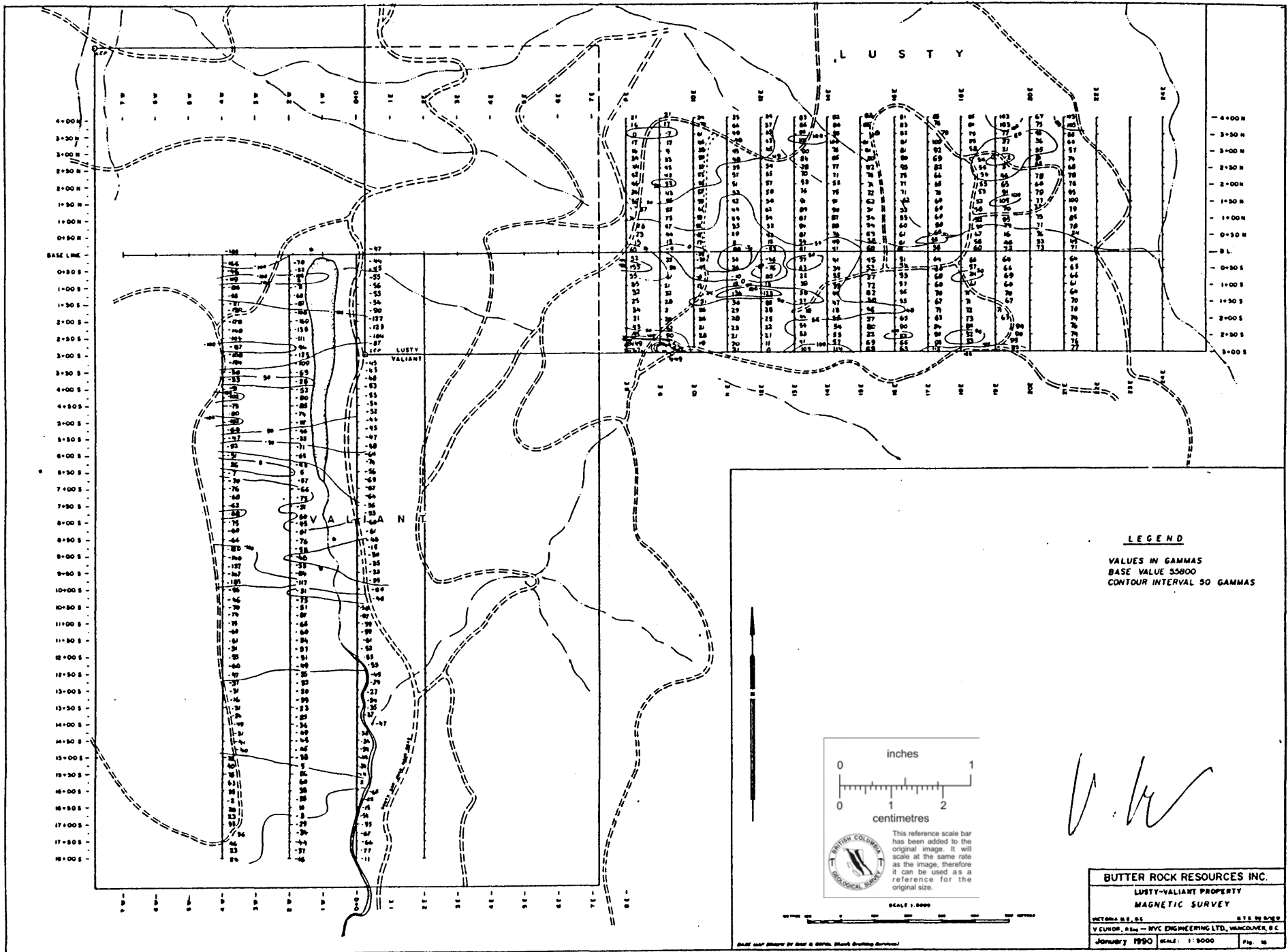
- >1000 gammas
- 800 - 1000 gammas
- <500 gammas
- Instrument error (assumed)
- Reading in gammas
- Road
- Creek
- Pond
- Swamp
- LCP Legal Corner Post

V. Cukor



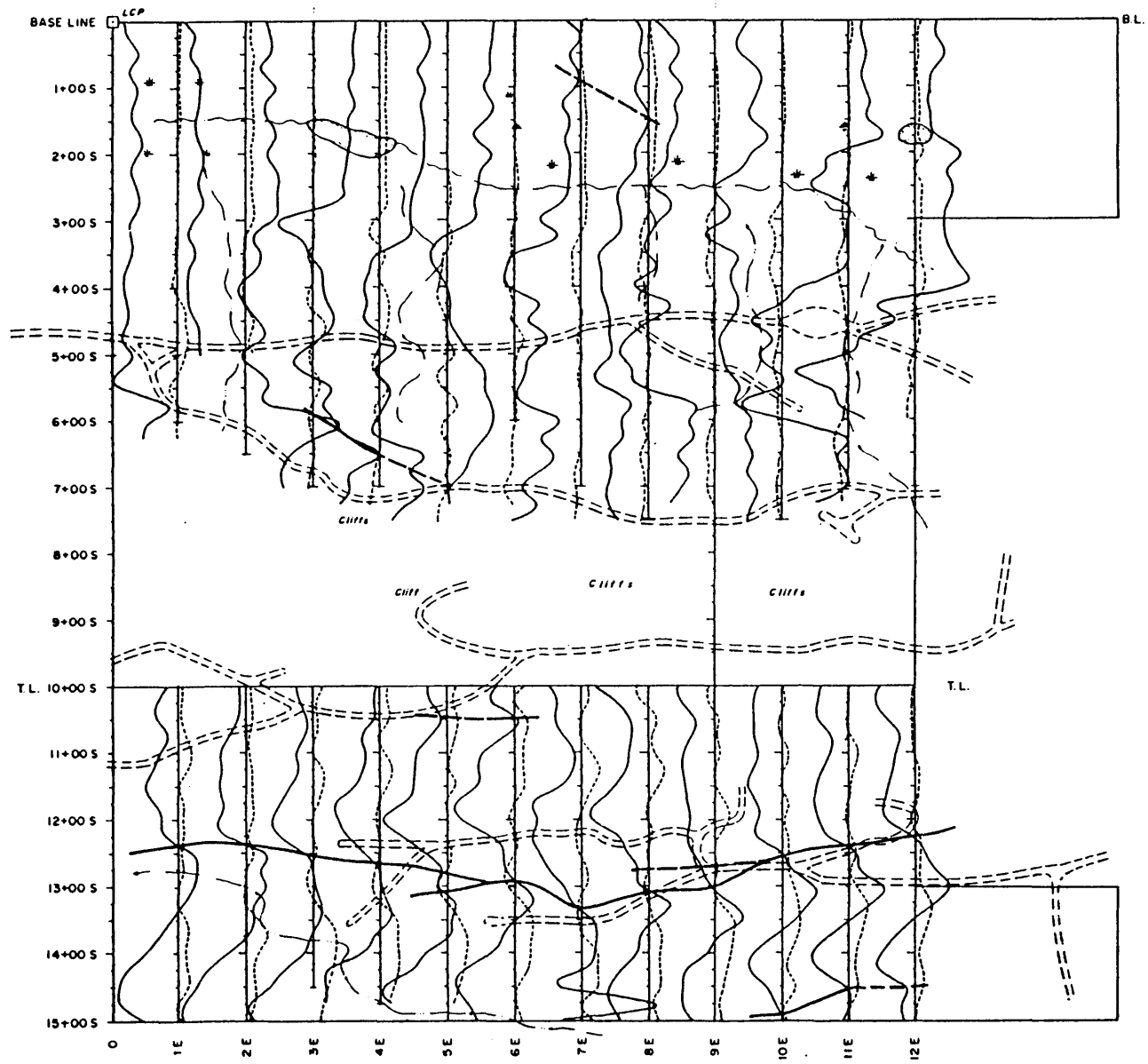
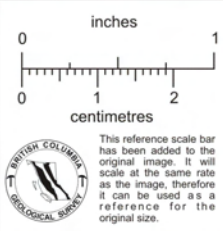
BUTTER ROCK RESOURCES INC.		
3 x 3 CLAIM		
MAG PLOT		
VICTORIA, MINING DIVISION, B.C.		M.T.S. 92 C/9E
V. CUKOR, P. Eng - MVC ENGINEERING LTD., VANCOUVER, B.C.		
DATE: January 1990	SCALE: 1:5000	FIG. 14

This reference scale bar has been added to the original image. It will scale at the same rate as the image, therefore it can be used as a reference for the original size.



V. Clunor

SCALE BAR PROVIDED BY BUTTER ROCK RESOURCES INC. (NOT TO SCALE)

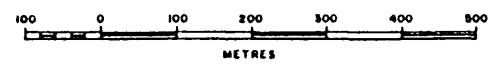


STATION : NLK, SEATTLE, 24.8 kHz

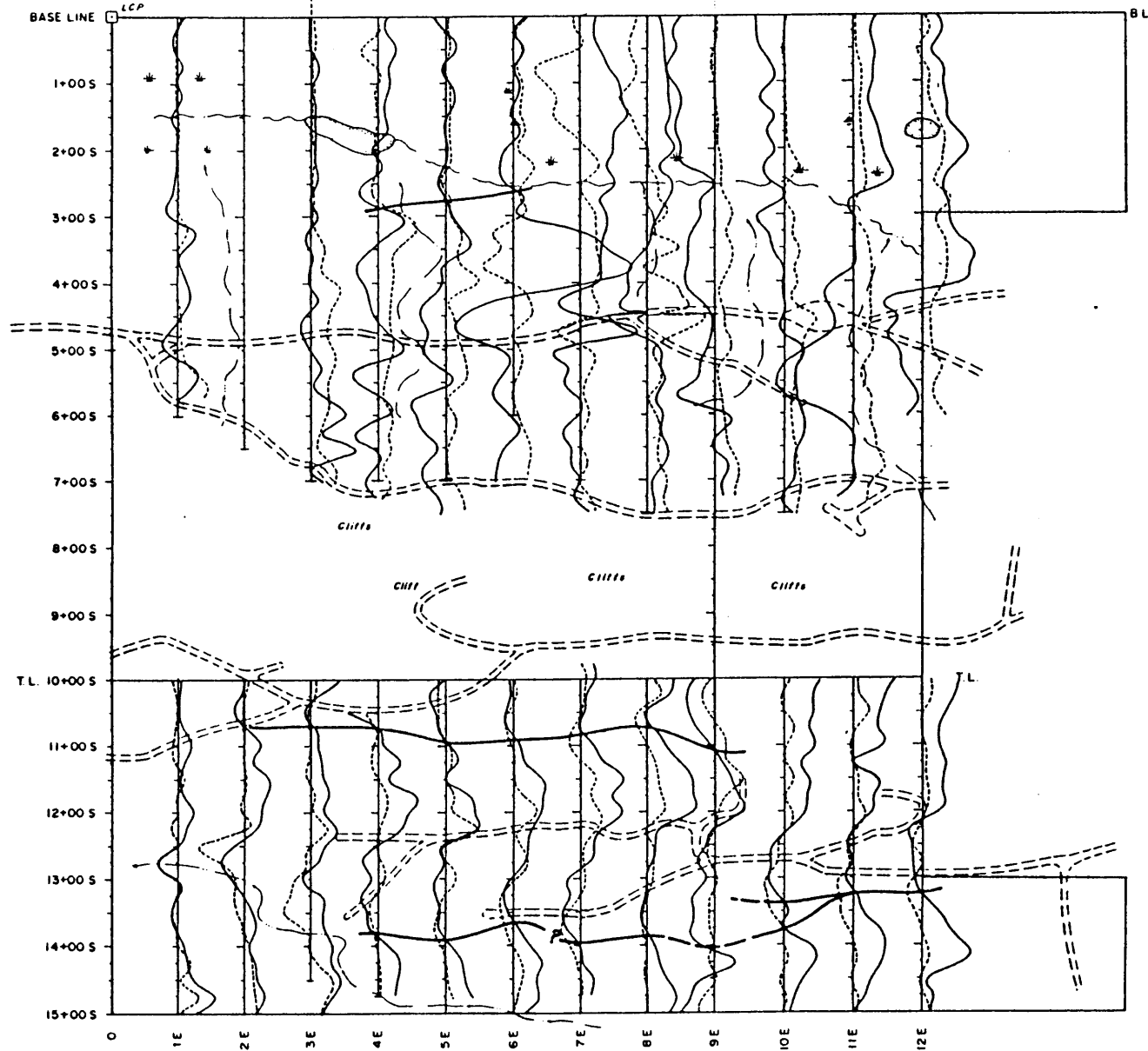
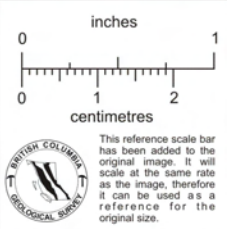
- In phase
- Out of phase (quadrature)
- Conductor (interpreted)
- Conductor (assumed)

- Road
- Creek
- Pond
- LCP Legal Corner Post

U. W.



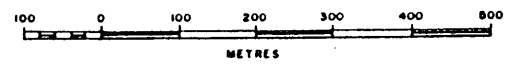
BUTTER ROCK RESOURCES INC.		
3 x 3 CLAIM		
VLF-EM SURVEY-PROFILES-SEATTLE		
VICTORIA, MINING DIVISION, B.C.	N.T.S. 82 C/8E	
V. CUKOR, P. Eng - NVC ENGINEERING LTD., VANCOUVER, B.C.		
DATE : January 1990	SCALE : 1: 5000	Fig. 18



STATION : NPM, HAWAII, 23.4 kHz

- In phase
- Out of phase (quadrature)
- Conductor (interpreted)
- Conductor (assumed)

- Road
- Creek
- Pond
- LCP Legal Corner Post



BUTTER ROCK RESOURCES INC.		
3 x 3 CLAIM		
VLF-EM SURVEY-PROFILES-HAWAII		
VICTORIA, MINING DIVISION, B.C.		N.T.S. 92 C/9E
V. CUKOR, P.Eng - NVC ENGINEERING LTD., VANCOUVER, B.C.		
DATE - January 1990	SCALE - 1:5000	Fig. 17

7.1.1 3X3 Claim

Total magnetic relief on the 3X3 claim is 3,226 gammas. Most of the anomalies follow the general east/west direction, coincident with the geological trend. In the southern portion of the map, the majority of the magnetic low anomalies occurs with or near the silicified areas (see fig. 8). The iron formation (Unit 4) did not produce the expected high magnetic results. The northern portion of the map shows a flat magnetic signature characteristic of deep overburden.

7.1.2 Lusty-Valiant Claim

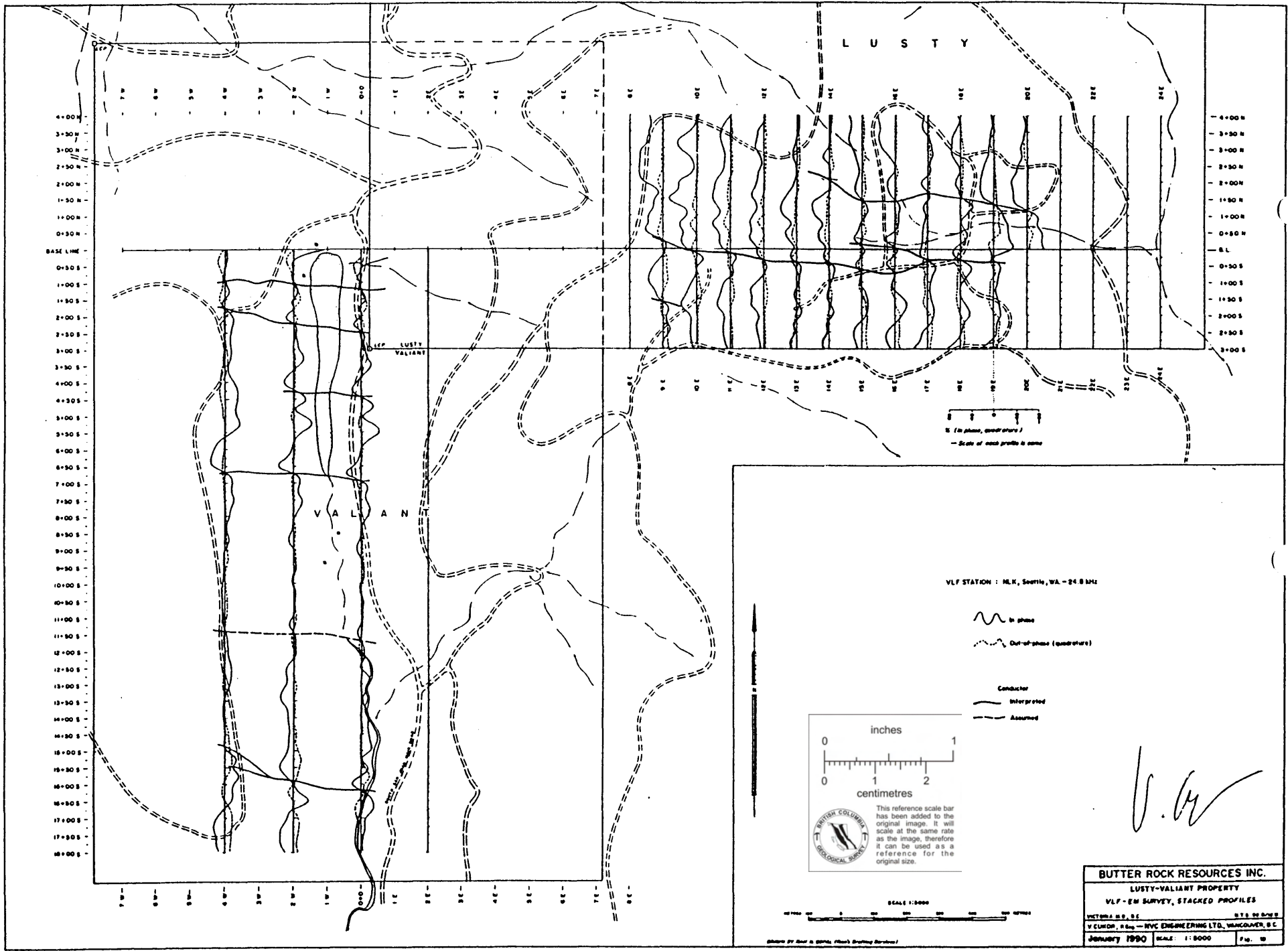
The magnetic relief on the Lusty-Valiant claim is very low, totalling 534 gammas. The one high occurs on the south end of lines 7E and 8E, on the edge of the claim. Also noted on line 12E, 1 + 00S is a weak dipole. Lines 0, 2W and 4W were run with their own base field and thus show lower than the rest of the lines.

7.2 VLF-EM SURVEY

The VLF-EM survey was conducted along the same grids as the magnetic survey (readings were taken consecutively at each station utilizing the IGS 2). For both 3X3 and Lusty-Valiant, two stations, Seattle and Hawaii, with roughly orthogonal signal directions, were used. Data is presented as stacked profiles on plans in the 1:5000 scale, see figs. 16, 16, 18 and 19.

7.2.1 3X3 Claim

Both the Seattle and Hawaii VLF-EM surveys reveal significant conductors. The longest conductor on the Seattle plot (see fig. 16) running at 12 + 50 S approximately, follows the iron formation (Unit 4 on the Geology Plan) and crosses the silicified and mineralized area where sample JW3X3007 was taken. The



L U S T Y

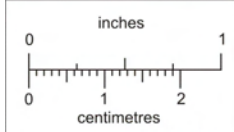
V A L I A N T

W (In phase, quadrature)
 --- Scale of each profile is same

VLF STATION : MLK, Seattle, WA - 24.8 kHz

~~~~~ In phase  
 - - - - - Out-of-phase (quadrature)

————— Conductor  
 - - - - - Assumed



This reference scale bar has been added to the original image. It will scale at the same rate as the image, therefore it can be used as a reference for the original size.

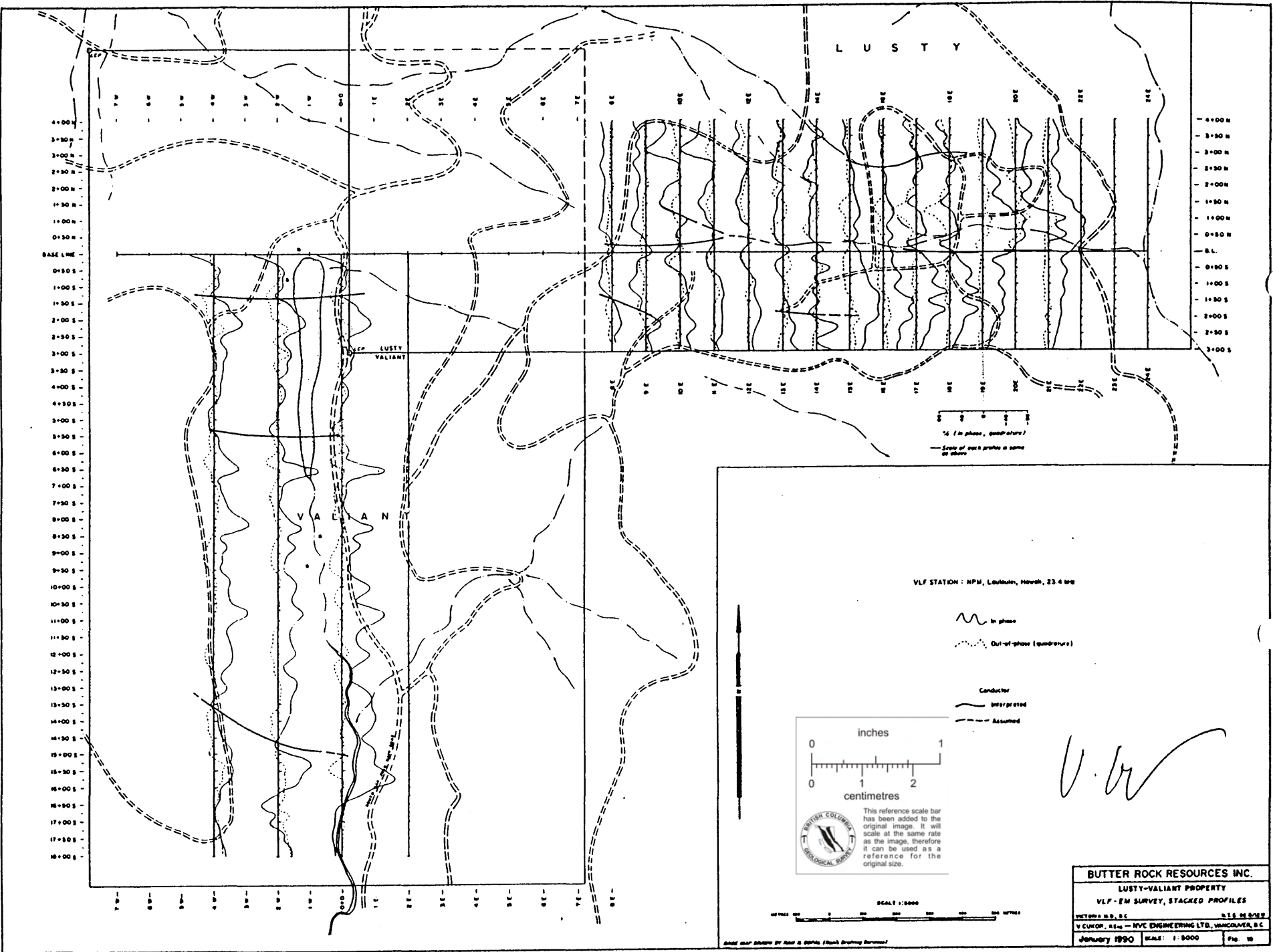
SCALE 1:5000

*V. G.*

**BUTTER ROCK RESOURCES INC.**  
 LUSTY-VALIANT PROPERTY  
 VLF - EM SURVEY, STACKED PROFILES

VICTORIA B.C. B.T. 20 20/2/90  
 V. G. (DIP. & Eng.) - RVC ENGINEERING LTD., VANCOUVER, B.C.  
 January 1990 SCALE 1:5000 Page 10

Shown by Star & Spade (Black Shading Services)



L U S T Y

4+00 N  
3+50 N  
3+00 N  
2+50 N  
2+00 N  
1+50 N  
1+00 N  
0+50 N  
BASE LINE  
0+50 S  
1+00 S  
1+50 S  
2+00 S  
2+50 S  
3+00 S  
3+50 S  
4+00 S  
4+50 S  
5+00 S  
5+50 S  
6+00 S  
6+30 S  
7+00 S  
7+30 S  
8+00 S  
8+30 S  
9+00 S  
9+30 S  
10+00 S  
10+30 S  
11+00 S  
11+30 S  
12+00 S  
12+50 S  
13+00 S  
13+30 S  
14+00 S  
14+30 S  
15+00 S  
15+30 S  
16+00 S  
16+30 S  
17+00 S  
17+30 S  
18+00 S

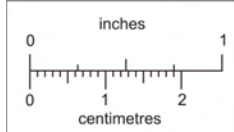
4+00 N  
3+50 N  
3+00 N  
2+50 N  
2+00 N  
1+50 N  
1+00 N  
0+50 N  
B.L.  
0+50 S  
1+00 S  
1+50 S  
2+00 S  
2+50 S  
3+00 S

1/4" (in phase, quadrature)  
— Scale of each profile is same as above

VLF STATION: NPM, Leukoula, Hawaii, 23.4 km

~ In phase  
~ Out-of phase (quadrature)

— Conductor interpreted  
- - - Assumed



This reference scale bar has been added to the original image. It will scale at the same rate as the image, therefore it can be used as a reference for the original size.

SCALE: 1:5000

*V. br*

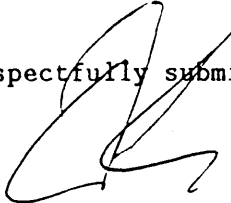
**BUTTER ROCK RESOURCES INC.**  
LUSTY-VALIANT PROPERTY  
VLF-EM SURVEY, STACKED PROFILES  
VICTORIA, B.C.      V.L.S. DE BOWEN  
V. CUNOP, REG. — BVC ENGINEERING LTD., VANCOUVER, B.C.  
January 1990      SCALE: 1:5000      Pg. 10

conductor on lines 5E and 6E at 10 + 50S is weak and the other short conductor occurs in a swampy area. The strongest conductor on the Hawaii plot, fig. 17, runs 700 metres, almost traversing the property at approximately 10 + 50S, and partially coincides with the weak Seattle conductor. At the eastern end of this conductor is the mineralized area from which JW3X3006 was taken. The other interesting conductor occurs at 13 + 75S and seems to follow the contact of the metaamphibotite with the metasediments.

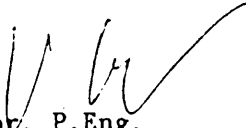
### 7.2.2 Lusty-Valiant Claim

The most interesting of the conductors runs generally along the baseline from L 8E to L 19E and is picked up by the Seattle survey along its whole length and by Hawaii survey in part. Another interesting conductor occurs at 2 + 50N running from L 13E to L 20E on the Seattle survey. A parallel conductor occurs on the Hawaii survey but is displaced 100 metres to the north. Several conductors occur on the western portion of the grid as well, on the Valiant property. The most significant is the conductor at about 14 + 00S running across all three lines on both Hawaii and Seattle surveys, and showing a strong signature on both. Two more interesting conductors occur, one at approximately 1 + 25S (which may actually be two closely spaced parallel conductors, as suggested by the Seattle survey) and the other at approximately 7 + 00S. The Hawaii response seems to be offset by approximately 100 to 150 metres to the north.

Respectfully submitted,



D. Cukor, Geologist



V. Cukor, P.Eng.

NVC ENGINEERING LTD.


January 1990

CERTIFICATE

I, VLADIMIR CUKOR, of 304 - 1720 Barclay Street in the City of Vancouver, Province of British Columbia, DO HEREBY CERTIFY that:

1. I am a Consulting Geological Engineer with NVC Engineering Ltd., with business address as above;
2. I graduated from the University of Zagreb, Yugoslavia in 1963 as a Graduated Geological Engineer;
3. I am a Registered Professional Engineer in the Geological Section of the Association of Profession Engineers in the Province of British Columbia, Registration No. 7444;
4. I have practiced my profession as a Geological Engineer for the past twenty-seven years in Europe, North America and South America in engineering geology, hydrogeology and exploration for base metals and precious metals;
5. I have personally supervised the work described in this report and have reviewed all available information on these properties;
6. I have no interest, direct or indirect, in the properties of BUTTER ROCK RESOURCES INC., nor do I expect to receive any;
7. I hereby consent to the use of this report for organizing public financing by BUTTER ROCK RESOURCES INC.

January 1990

  
V. Cukor, P.Eng.

NVC ENGINEERING LTD.

CERTIFICATE

I, DAMIR CUKOR, of 6108 McKee Street Burnaby, British Columbia, DO HEREBY CERTIFY that:

1. I graduated from the University of British Columbia in 1984 as a Bachelor of Science in Geology;
2. Since 1983, I have been employed as a geologist with NVC ENGINEERING LTD.;
3. I have worked in the field of exploration geology and geophysics for twelve seasons and have held positions of responsibility since 1982;
4. I performed and/or executed work as documented in this report;
5. I have no interest, direct or indirect, in the properties of BUTTER ROCK RESOURCES INC., nor do I expect to receive any;
6. I hereby consent to the use of this report for organizing public financing by BUTTER ROCK RESOURCES INC.

January 1990



D. Cukor, Geologist  
NVC ENGINEERING LTD.

# APPENDIX A : SAMPLE DESCRIPTIONS

## SAMPLE DESCRIPTIONS: 3X3 CLAIM

| <u>Sample</u> | <u>Description</u>                                                                                                                                                                                                                                                                                                                                                                  |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 3X3001        | irregular quartz stockwork exposed in layered chlorite sericite schist and argillite, oxidized, vuggy; (limonite, hematite 10-20%). rock chip sample from road side exposure (50 cm wide).                                                                                                                                                                                          |
| 3X3002        | irregular quartz stringers exposed in layered chlorite sericite schist and argillite, oxidized, vuggy (limonite, hematite 10-20%). rock chip sample from road side exposure (40 cm wide).                                                                                                                                                                                           |
| 3X3003        | quartz stringers in well foliated chlorite sericite schist; stained and oxidized.<br>rock chip sample from outcrop exposure (20 cm wide).                                                                                                                                                                                                                                           |
| 3X3004        | oxidized quartz stringers in fine grained, well foliated graphitic schist alternating with light green sheared slightly granular chlorite sericite schist.<br>rock chip sample from outcrop exposure (10 cm wide).                                                                                                                                                                  |
| 3X3005        | oxidized, stained quartz stringers in sheared graphitic schist and argillite.<br>rock chip sample from outcrop exposure (approx. 20 cm wide).                                                                                                                                                                                                                                       |
| 3X3006        | oxidized quartz stringers in light green granular chlorite schist.<br>rock chip sample from outcrop exposure (approx 25 cm wide).                                                                                                                                                                                                                                                   |
| 3X3007        | irregular silicified zone (approximately 1 metre in width) consisting of stringers in gradational contact between graphitic argillite and light green granular chlorite schist; heavily oxidized vuggy, drusy euhedral quartz, interstitial epidote, chlorite, magnetite.<br>rock chip sample from outcrop exposure (1 metre wide).                                                 |
| 3X3008        | well fractured quartz stringer in layered graphitic schist, argillite.<br>rocks in this area weather black and are well oxidized along cleavage planes, suggesting high iron content.<br>probably part of the iron formation exposed on the GAD claim (pers comm Gold Allen, P. Geol., Beau Pre Explorations Ltd.).<br>rock chip sample from outcrop exposure (approx. 50 cm wide). |
| 3X3009        | quartz stringer in layered graphitic schist and sheared mudstone.<br>rock chip sample from outcrop exposure (approx. 20 cm wide).                                                                                                                                                                                                                                                   |
| 3X3010        | quartz stringer in layered graphitic schist and sheared mudstone.<br>rock chip sample from outcrop exposure (approx. 20 cm wide).                                                                                                                                                                                                                                                   |



- 3X3011 quartz stringer in layered graphitic schist and sheared mudstone.  
rock chip sample from outcrop exposure (approx. 20 cm wide).
- 3X3012 fine grained disseminated pyrite (less than 10%) associated with  
epidote and chlorite parallel to planes of cleavage in medium to fine  
grained, slightly banded chloritized quartz muscovite schist.  
rock chip sample from outcrop exposure (15 cm wide).
- 3X3013 irregular quartz stringer in chloritized quartz muscovite schist.  
lightly stained and oxidized.  
rock chip sample from outcrop exposure (20 cm wide).
- 3X3014 quartz stringer in gossanous shear zone approximately 2 metres  
across, exposed by road cut in bright green sheared amphibolite.  
minor disseminated pyrite (up to 5%).  
rock chip sample from outcrop exposure on the GAD claim to the east of 3X3  
(50 cm wide).

SAMPLE DESCRIPTIONS: LUSTY-VALIANT CLAIM

| <u>Sample</u> | <u>Description</u>                                                                                                                                                                                                                                                                                     |
|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| JWL001        | quartz stringers in light greyish green sheared chloritized diorite; forms prominent ridge in hillside. lightly stained and oxidized; boxworks containing limonite and hematite. small amounts of disseminated pyrrhotite. rock chip sample from road side exposure (width of sample approx. 1 metre). |
| JWL002        | silicified layer in well foliated, crenulated quartz graphite schist. rock chip sample from road side exposure (30 cm wide).                                                                                                                                                                           |
| JWL003        | moderately oxidized quartz stringer in dark grey chlorite sericite schist. rock chip sample from road side exposure (10 cm wide).                                                                                                                                                                      |
| JWL004        | crystalline quartz stringers in graphitic schist. rock chip sample from road side exposure (approx. 1 metre wide zone).                                                                                                                                                                                |
| JWL005        | crystalline quartz stringers in graphitic schist. vuggy, numerous irregular solution cavities. rock chip sample from road side exposure (approx. 50 cm wide).                                                                                                                                          |
| JWL006        | quartz stringer in lime green fine grained chloritized foliated amphibolite. lightly stained and oxidized, masses of chlorite and amphibolite. rock chip sample from road side exposure (width of sample 50 cm).                                                                                       |
| JWL007        | crystalline quartz stringers in graphitic schist (zone approximately 2 metres). vuggy, numerous irregular cavities. rock chip sample from road side exposure (2 metres wide).                                                                                                                          |
| JWL008        | quartz veinlets in graphitic schist. vuggy, numerous irregular solution cavities containing limonite and hematite. rock chip sample from road side exposure (width of sample 2 metres).                                                                                                                |
| JWL009        | fine amorphous quartz stringers in graphitic schist. vuggy, numerous irregular solution cavities containing limonite and hematite. rock chip sample from road side exposure (width of sample 30 cm).                                                                                                   |
| JWL010        | quartz stringers in graphitic schist. vuggy, numerous irregular cavities containing limonite and hematite. rock chip sample from road side exposure (width of sample 25 cm).                                                                                                                           |

- JWL011 irregular oxidized stringers in hornfelsic aureole.  
no apparent mineralization.  
rock chip sample from road side exposure (width of sample 20 cm).
- JWL012 quartz stringers in graphitic schist.  
moderately oxidized; vuggy in appearance.  
silicified graphitic shear.  
rock chip sample from road side exposure (width of sample 45 cm).
- JWL013 irregular silicified stringer in fine grained silicified chlorite  
sericite schist.  
lightly chloritized and oxidized.  
rock chip sample from road side exposure (width of sample 10 cm).
- JWL014 irregular silicified stringers in fine grained silicified chlorite  
sericite schist.  
small graphitic shears.  
light chloritized and oxidized.  
rock chip sample from road side exposure (width of sample 30 cm).
- JWL015 quartz stringers in graphitic schist.  
lightly oxidized; vuggy in appearance.  
silicified graphitic shear.  
rock chip sample from road side exposure (width of sample 45 cm).
- JWL016 small irregular quartz stringers in graphitic schist.  
lightly stained and oxidized.  
rock chip sample from road side exposure (width of sample 15 cm).
- JWL017 quartz stringers in graphitic schist.  
lightly oxidized; vuggy in appearance.  
rock chip sample from road side exposure (width of sample 10 cm).
- JWL018 quartz stringers in graphitic schist and chloritized quartzite.  
lightly oxidized; vuggy in appearance.  
rock chip sample from road side exposure (width of sample 30 cm).

APPENDIX B

CERTIFICATES OF ASSAY

**CERTIFICATE OF ASSAY**

Date: March 30, 1988

File: 8803-0953



**SGS SUPERVISION SERVICES INC.**  
General Testing Laboratories Division

1001 East Pender Street,  
Vancouver, B.C., Canada. V6A 1W2  
Telephone: (604) 254-1647  
Telex: 04-507514

TO: N.V.C. ENGINEERING LTD.  
304 - 1720 Barclay Street  
Vancouver, B.C.  
V6G 2Y1

We hereby certify that the following are the results of assays on: soil samples

| MARKED  | GOLD     |          | SILVER     |            | SAMPLE     |         |          |          |
|---------|----------|----------|------------|------------|------------|---------|----------|----------|
|         | Au (ppm) | Ag (ppm) | XXXXXXXXXX | XXXXXXXXXX | XXXXXXXXXX | MARKED: | GOLD     | SILVER   |
|         | Au (ppm) | Ag (ppm) |            |            |            |         | Au (ppm) | Ag (ppm) |
| L# 1E   |          |          |            |            |            | L# 3E   |          |          |
| 0+50 S  | 0.02     | 0.8      |            |            |            | 0+50 S  | 0.02     | 0.5      |
| 1+00    | 0.02     | 0.7      |            |            |            | 1+00    | 0.02     | 0.6      |
| 1+50    | 0.02     | 0.8      |            |            |            | 1+50    | 0.02     | 0.5      |
| 2+00    | 0.02     | 0.6      |            |            |            | 2+00    | 0.02     | 0.5      |
| 6+00    | 0.02     | 0.8      |            |            |            | 2+50    | 0.02     | 0.6      |
| 10+50   | 0.02     | 0.2      |            |            |            | 3+00    | 0.02     | 1.0      |
| 11+00   | 0.02     | 0.1      |            |            |            | 3+50    | 0.02     | 0.6      |
| 11+50   | 0.02     | 0.1      |            |            |            | 4+50    | 0.02     | 0.7      |
| 12+00   | 0.02     | 0.1      |            |            |            | 5+00    | 0.02     | 0.2      |
| 12+50   | 0.02     | 0.2      |            |            |            | 5+50    | 0.02     | 0.7      |
| 13+00   | 0.02     | 0.2      |            |            |            | 6+00    | 0.02     | 0.8      |
| 13+50   | 0.02     | 0.2      |            |            |            | 6+50    | 0.02     | 0.6      |
| 14+00   | 0.02     | 0.4      |            |            |            | 10+50   | 0.02     | 0.2      |
| 14+50   | 0.02     | 1.1      |            |            |            | 11+00   | 0.02     | 0.5      |
| 15+00 S | 0.02     | 0.2      |            |            |            | 11+50   | 0.02     | 0.2      |
|         |          |          |            |            |            | 12+00   | 0.02     | 0.2      |
| L# 2E   |          |          |            |            |            | 12+50   | 0.02     | 0.4      |
| 0+50 S  | 0.02     | 0.6      |            |            |            | 13+00   | 0.02     | 0.6      |
| 1+00    | 0.02     | 0.5      |            |            |            | 13+50   | 0.02     | 0.2      |
| 1+50    | 0.02     | 0.5      |            |            |            | 14+00   | 0.02     | 0.4      |
| 2+00    | 0.02     | 1.0      |            |            |            | 14+50 S | 0.02     | 0.4      |
| 2+50    | 0.27     | 0.4      |            |            |            |         |          |          |
| 3+00    | 0.02     | 0.2      |            |            |            | L# 4E   |          |          |
| 3+50    | 0.02     | 0.6      |            |            |            | 0+50 S  | 0.02     | 0.5      |
| 4+00    | 0.02     | 0.5      |            |            |            | 1+00    | 0.02     | 0.5      |
| 4+50    | 0.02     | 0.4      |            |            |            | 1+50    | 0.02     | 0.7      |
| 5+00    | 0.02     | 0.6      |            |            |            | 2+00    | 0.02     | 0.5      |
| 5+50    | 0.02     | 0.4      |            |            |            | 2+50    | 0.02     | 0.7      |
| 6+00    | 0.02     | 0.2      |            |            |            | 3+00    | 0.02     | 0.6      |
| 11+00   | 0.02     | 0.5      |            |            |            | 3+50    | 0.02     | 0.7      |
| 11+50   | 0.02     | 0.1      |            |            |            | 4+00    | 0.02     | 0.8      |
| 12+00   | 0.02     | 0.2      |            |            |            | 4+50 S  | 0.02     | 0.8      |
| 12+50   | 0.02     | 0.2      |            |            |            |         |          |          |
| 13+50   | 0.02     | 0.1      |            |            |            |         |          |          |
| 14+00   | 0.02     | 0.2      |            |            |            |         |          |          |
| 14+50   | 0.02     | 0.5      |            |            |            |         |          |          |
| 15+00 S | 0.02     | 0.2      |            |            |            |         |          |          |

/ continued on page 2....

NOTE: REJECTS RETAINED ONE MONTH. PULPS RETAINED THREE MONTHS. ON REQUEST PULPS AND REJECTS WILL BE STORE FOR A MAXIMUM OF ONE YEAR.

ALL REPORTS ARE THE CONFIDENTIAL PROPERTY OF CLIENTS. PUBLICATION OF STATEMENTS, CONCLUSION OR EXTRACTS FROM OR REGARDING OUR REPORTS IS NOT PERMITTED WITHOUT OUR WRITTEN APPROVAL. ANY LIABILITY ATTACHED THERETO IS LIMITED TO THE FEE CHARGED.

*B. Pepper*  
B. Pepper

PROVINCIAL ASSAYER

**Analytical and Consulting Chemists, Bulk Cargo Specialists, Surveyors, Inspectors, Samplers, Weighers**

MEMBER: American Society For Testing Materials • The American Oil Chemists Society • Canadian Testing Association  
REFEREE AND OR OFFICIAL CHEMISTS FOR: National Institute of Oilseed Products • The American Oil Chemists' Society  
OFFICIAL WEIGHMASTERS FOR: Vancouver Board Of Trade

**CERTIFICATE OF ASSAY**

Date: March 30, 1988



**SGS SUPERVISION SERVICES INC.**

General Testing Laboratories Division

1001 East Pender Street,  
Vancouver, B.C., Canada. V6A 1W2  
Telephone: (604) 254-1647  
Telex: 04-507514

File: 8803-0953

TO: N.V.C. ENGINEERING LTD.

( page 2 )

We hereby certify that the following are the results of assays on:

| MARKED | GOLD     |          | SILVER   |          | SAMPLE MARKED:             | GOLD     |          | SILVER |  |
|--------|----------|----------|----------|----------|----------------------------|----------|----------|--------|--|
|        | Au (ppm) | Ag (ppm) | Au (ppm) | Ag (ppm) |                            | Au (ppm) | Ag (ppm) |        |  |
| L# 4E  | 5+00 S   | 0.02     | 0.8      |          | L# 6E                      |          |          |        |  |
|        | 6+00     | 0.02     | 0.6      |          | 2+00 S                     | 0.02     | 1.0      |        |  |
|        | 6+50     | 0.02     | 0.7      |          | 2+50                       | 0.02     | 0.7      |        |  |
|        | 10+50    | 0.02     | 0.6      |          | 3+00                       | 1.10     | 5.0      |        |  |
|        | 11+00    | 0.02     | 0.1      |          | 3+50                       | 0.02     | 0.4      |        |  |
|        | 11+50    | 0.02     | 0.1      |          | 4+00                       | 0.02     | 1.0      |        |  |
|        | 12+00    | 0.02     | 0.1      |          | 4+50                       | 0.02     | 0.7      |        |  |
|        | 13+00    | 0.02     | 0.1      |          | 5+00                       | 0.07     | 2.5      |        |  |
|        | 13+50    | 0.02     | 0.1      |          | 5+50                       | 0.11     | 0.4      |        |  |
|        | 14+00    | 0.16     | 0.4      |          | 6+00                       | 0.03     | 0.2      |        |  |
|        | 14+50    | 0.02     | 0.2      |          | 7+00                       | 0.02     | 1.0      |        |  |
|        | 14+75 S  | 0.06     | 0.8      |          | 10+50                      | 0.02     | 0.2      |        |  |
| L# 5E  | 0+50 S   | 0.02     | 0.5      |          | 11+00                      | 0.02     | 0.7      |        |  |
|        | 1+00     | 0.02     | 0.6      |          | 11+50                      | 0.02     | 0.4      |        |  |
|        | 1+50     | 0.02     | 0.6      |          | 12+00                      | 0.03     | 0.4      |        |  |
|        | 2+00     | 0.02     | 0.7      |          | 12+50                      | 0.03     | 0.6      |        |  |
|        | 2+50     | 0.02     | 0.6      |          | 13+00                      | 0.02     | 0.5      |        |  |
|        | 3+00     | 0.08     | 0.7      |          | 13+50                      | 0.02     | 0.2      |        |  |
|        | 3+50     | 0.02     | 0.2      |          | 14+00                      | 0.07     | 0.4      |        |  |
|        | 4+00     | 0.02     | 0.8      |          | 14+50                      | 0.03     | 3.3      |        |  |
|        | 4+50     | 0.90     | 1.8      |          | 15+00                      | 0.02     | 0.5      |        |  |
|        | 5+00     | 0.02     | 1.2      |          | L# 7E                      |          |          |        |  |
|        | 5+50     | 0.02     | 0.2      |          | 0+50 S                     | 0.02     | 0.6      |        |  |
|        | 6+50     | 0.02     | 0.8      |          | 1+00                       | 0.02     | 1.2      |        |  |
|        | 10+50    | 0.02     | 0.5      |          | 1+50                       | 0.02     | 0.7      |        |  |
|        | 11+00    | 0.02     | 0.2      |          | 2+00                       | 0.02     | 0.6      |        |  |
|        | 11+50    | 0.03     | 0.2      |          | 2+50                       | 0.02     | 0.7      |        |  |
|        | 12+00    | 0.02     | 0.2      |          | 3+00                       | 0.02     | 0.6      |        |  |
|        | 12+50    | 0.02     | 0.4      |          | 3+50                       | 0.02     | 1.0      |        |  |
|        | 13+50    | 0.02     | 0.2      |          | 4+00                       | 0.02     | 0.2      |        |  |
|        | 14+00    | 0.02     | 0.2      |          | 4+50 S                     | 0.02     | 0.8      |        |  |
|        | 14+50    | 0.05     | 0.4      |          |                            |          |          |        |  |
|        | 14+85 S  | 0.02     | 0.2      |          |                            |          |          |        |  |
| L# 6E  | 0+50 S   | 0.02     | 0.8      |          | / continued on page 3..... |          |          |        |  |
|        | 1+00     | 0.02     | 0.7      |          |                            |          |          |        |  |

NOTE: REJECTS RETAINED ONE MONTH. PULPS RETAINED THREE MONTHS. ON REQUEST PULPS AND REJECTS WILL BE STORE FOR A MAXIMUM OF ONE YEAR.

ALL REPORTS ARE THE CONFIDENTIAL PROPERTY OF CLIENTS. PUBLICATION OF STATEMENTS, CONCLUSION OR EXTRACTS FROM OR REGARDING OUR REPORTS IN NOT PERMITTED WITHOUT OUR WRITTEN APPROVAL. ANY LIABILITY ATTACHED THERETO IS LIMITED TO THE FEE CHARGED.

*B. Pepper*  
B. Pepper

PROVINCIAL ASSAYER

**Analytical and Consulting Chemists, Bulk Cargo Specialists, Surveyors, Inspectors, Samplers, Weighers**

MEMBER: American Society For Testing Materials • The American Oil Chemists Society • Canadian Testing Association  
REFEREE AND OR OFFICIAL CHEMISTS FOR: National Institute of Oilseed Products • The American Oil Chemists' Society  
OFFICIAL WEIGHMASTERS FOR: Vancouver Board Of Trade

**CERTIFICATE OF ASSAY**

Date: March 30, 1988

File: 8803-0953



**SGS SUPERVISION SERVICES INC.**

General Testing Laboratories Division

1001 East Pender Street,  
Vancouver, B.C., Canada. V6A 1W2  
Telephone: (604) 254-1647  
Telex: 04-507514

TO: N.V.C. ENGINEERING LTD.

( page 3 )

We hereby certify that the following are the results of assays on: soil samples

| MARKED       | GOLD    |         | SILVER |  | Sample<br>Marked: | Gold     |          | Silver |  |
|--------------|---------|---------|--------|--|-------------------|----------|----------|--------|--|
|              | Au(ppm) | Ag(ppm) |        |  |                   | Au (ppm) | Ag (ppm) |        |  |
| L# 7E 5+00 S | 0.02    | 0.4     |        |  | L# 8E             |          |          |        |  |
| 5+50         | 0.02    | 0.7     |        |  | 14+50 S           | 0.02     | 0.6      |        |  |
| 6+00         | 0.02    | 1.0     |        |  | 15+00 S           | 0.02     | 0.7      |        |  |
| 6+50         | 0.02    | 1.0     |        |  | L# 9E             |          |          |        |  |
| 10+00        | 0.02    | 0.7     |        |  | 0+50 S            | 0.02     | 0.6      |        |  |
| 10+50        | 0.02    | 0.2     |        |  | 1+00              | 0.02     | 0.8      |        |  |
| 11+00        | 0.02    | 0.5     |        |  | 1+50              | 0.02     | 0.6      |        |  |
| 11+50        | 0.02    | 0.2     |        |  | 2+00              | 0.02     | 0.9      |        |  |
| 12+00        | 0.02    | 0.4     |        |  | 2+50              | 0.02     | 0.4      |        |  |
| 12+50        | 0.02    | 0.5     |        |  | 3+00              | 0.02     | 1.2      |        |  |
| 13+00        | 0.02    | 0.7     |        |  | 3+50              | 0.02     | 0.7      |        |  |
| 13+50        | 0.02    | 0.6     |        |  | 4+00              | 0.07     | 0.5      |        |  |
| 14+00        | 0.02    | 0.4     |        |  | 4+50              | 0.20     | 1.0      |        |  |
| 14+50        | 0.02    | 0.4     |        |  | 5+00              | 0.07     | 0.6      |        |  |
| 15+00 S      | 0.02    | 0.7     |        |  | 5+50              | 0.02     | 0.4      |        |  |
| L# 8E 0+50 S | 0.02    | 0.5     |        |  | 6+00              | 2.17     | 1.4      |        |  |
| 1+00         | 0.02    | 0.6     |        |  | 6+50              | 0.47     | 0.4      |        |  |
| 1+50         | 0.02    | 0.7     |        |  | 7+00              | 0.09     | 1.0      |        |  |
| 2+00         | 0.02    | 0.6     |        |  | 10+00             | 0.02     | 0.7      |        |  |
| 2+50         | 0.02    | 0.5     |        |  | 10+50             | 0.09     | 0.5      |        |  |
| 3+00         | 0.02    | 0.4     |        |  | 11+00             | 0.44     | 0.7      |        |  |
| 3+50         | 0.05    | 0.7     |        |  | 11+50             | 0.02     | 1.1      |        |  |
| 4+00         | 0.02    | 0.6     |        |  | 12+00             | 0.64     | 3.5      |        |  |
| 4+50         | 0.02    | 0.5     |        |  | 12+50             | 0.24     | 0.9      |        |  |
| 5+00         | 0.02    | 1.0     |        |  | 13+00             | 0.34     | 1.0      |        |  |
| 5+50         | 0.02    | 0.6     |        |  | 13+50             | 2.23     | 2.7      |        |  |
| 6+00         | 0.02    | 0.7     |        |  | 14+00             | 1.27     | 1.2      |        |  |
| 6+50         | 0.02    | 0.6     |        |  | 14+50             | 0.18     | 0.3      |        |  |
| 7+00         | 0.02    | 1.0     |        |  | L#-10E            |          |          |        |  |
| 7+50         | 0.02    | 0.6     |        |  | 0+50 S            | 0.52     | 3.5      |        |  |
| 10+50        | 0.02    | 0.7     |        |  | 1+00 S            | 0.44     | 1.1      |        |  |
| 11+00        | 0.02    | 0.7     |        |  |                   |          |          |        |  |
| 11+50        | 0.02    | 0.6     |        |  |                   |          |          |        |  |
| 12+00        | 0.02    | 0.9     |        |  |                   |          |          |        |  |
| 13+50        | 0.02    | 0.6     |        |  |                   |          |          |        |  |
| 14+00 S      | 0.18    | 0.3     |        |  |                   |          |          |        |  |

/ continued on page 4 .....

NOTE: REJECTS RETAINED ONE MONTH PULPS RETAINED THREE MONTHS. ON REQUEST PULPS AND REJECTS WILL BE STORE FOR A MAXIMUM OF ONE YEAR.

ALL REPORTS ARE THE CONFIDENTIAL PROPERTY OF CLIENTS. PUBLICATION OF STATEMENTS, CONCLUSION OR EXTRACTS FROM OR REGARDING OUR REPORTS IN NOT PERMITTED WITHOUT OUR WRITTEN APPROVAL. ANY LIABILITY ATTACHED THERETO IS LIMITED TO THE FEE CHARGED.

*B. Pepper*  
B. Pepper

PROVINCIAL ASSAYER

Analytical and Consulting Chemists, Bulk Cargo Specialists, Surveyors, Inspectors, Samplers, Weighers

MEMBER: American Society For Testing Materials • The American Oil Chemists Society • Canadian Testing Association  
REFEREE AND OR OFFICIAL CHEMISTS FOR: National Institute of Oilseed Products • The American Oil Chemists' Society  
OFFICIAL WEIGHMASTERS FOR: Vancouver Board Of Trade

**CERTIFICATE OF ASSAY**

Date: March 30, 1988



**SGS SUPERVISION SERVICES INC.**  
General Testing Laboratories Division

File: 8803-0953

1001 East Pender Street,  
Vancouver, B.C., Canada. V6A 1W2  
Telephone: (604) 254-1647  
Telex: 04-507514

TO: N.V.C ENGINEERING LTD.

( page 4 )

We hereby certify that the following are the results of assays on: soil samples

| MARKED | GOLD     |          | SILVER |  | SAMPLE MARKED: | GOLD     |          | SILVER |  |
|--------|----------|----------|--------|--|----------------|----------|----------|--------|--|
|        | Au (ppm) | Ag (ppm) |        |  |                | Au (ppm) | Ag (ppm) |        |  |
| L# 10E | 1+50 S   | 1.70     | 1.8    |  | L# 11E         |          |          |        |  |
|        | 2+00     | 0.10     | 0.5    |  | 12+50 S        | 0.02     | 0.9      |        |  |
|        | 2+50     | 0.85     | 0.6    |  | 13+00          | 0.02     | 0.4      |        |  |
|        | 3+00     | 0.10     | 0.3    |  | 13+50          | 0.02     | 0.5      |        |  |
|        | 3+50     | 0.03     | 0.3    |  | 14+00          | 0.02     | 0.2      |        |  |
|        | 4+00     | 0.02     | 0.4    |  | 14+50 S        | 0.02     | 0.6      |        |  |
|        | 4+50     | 0.02     | 0.3    |  | L# 12E         |          |          |        |  |
|        | 5+00     | 0.02     | 0.1    |  | 0+50 S         | 0.02     | 0.5      |        |  |
|        | 5+50     | 0.02     | 0.5    |  | 1+00           | 0.02     | 0.4      |        |  |
|        | 6+00     | 0.02     | 0.4    |  | 1+50           | 0.02     | 0.6      |        |  |
|        | 6+50     | 0.04     | 0.2    |  | 2+00           | 0.02     | 0.3      |        |  |
|        | 7+00     | 0.02     | 0.1    |  | 2+50           | 0.02     | 0.3      |        |  |
|        | 10+50    | 0.02     | 0.1    |  | 3+00           | 0.02     | 1.0      |        |  |
|        | 11+00    | 0.02     | 0.1    |  | 3+50           | 0.02     | 0.4      |        |  |
|        | 11+50    | 0.02     | 0.1    |  | 4+00           | 0.02     | 0.3      |        |  |
|        | 12+00    | 0.02     | 0.3    |  | 4+50           | 0.02     | 0.4      |        |  |
|        | 12+50    | 0.02     | 0.6    |  | 5+00           | 0.02     | 0.3      |        |  |
|        | 13+00 S  | 0.02     | 0.6    |  | 5+50           | 0.02     | 1.4      |        |  |
| L# 11E | 0+50 S   | 0.02     | 0.7    |  | 6+00           | 0.02     | 0.9      |        |  |
|        | 1+00     | 0.02     | 0.6    |  | 11+00          | 0.02     | 0.2      |        |  |
|        | 1+50     | 0.02     | 0.8    |  | 12+00          | 0.02     | 0.7      |        |  |
|        | 2+00     | 0.02     | 0.9    |  | 11+50          | 0.02     | 0.2      |        |  |
|        | 2+50     | 0.05     | 1.0    |  | 12+50          | 0.02     | 0.1      |        |  |
|        | 3+00     | 0.02     | 1.1    |  | 13+00          | 0.02     | 0.6      |        |  |
|        | 3+50     | 0.02     | 0.8    |  | 13+50          | 0.02     | 0.4      |        |  |
|        | 4+00     | 0.02     | 0.8    |  | 14+00          | 0.03     | 0.5      |        |  |
|        | 4+50     | 0.02     | 0.6    |  | 14+50          | 0.09     | 2.3      |        |  |
|        | 5+00     | 0.02     | 0.4    |  | 15+00 S        | 0.02     | 0.6      |        |  |
|        | 5+50     | 0.02     | 0.7    |  |                |          |          |        |  |
|        | 6+00     | 0.02     | 0.9    |  |                |          |          |        |  |
|        | 6+50     | 0.02     | 0.6    |  |                |          |          |        |  |
|        | 7+00     | 0.02     | 0.8    |  |                |          |          |        |  |
|        | 10+50    | 0.02     | 0.6    |  |                |          |          |        |  |
|        | 11+00    | 0.02     | 0.4    |  |                |          |          |        |  |
|        | 11+50    | 0.02     | 0.5    |  |                |          |          |        |  |
|        | 12+00 S  | 0.02     | 0.3    |  |                |          |          |        |  |

/ continued on page 5 .....

NOTE: REJECTS RETAINED ONE MONTH. PULPS RETAINED THREE MONTHS. ON REQUEST PULPS AND REJECTS WILL BE STORE FOR A MAXIMUM OF ONE YEAR.

ALL REPORTS ARE THE CONFIDENTIAL PROPERTY OF CLIENTS. PUBLICATION OF STATEMENTS, CONCLUSION OR EXTRACTS FROM OR REGARDING OUR REPORTS IS NOT PERMITTED WITHOUT OUR WRITTEN APPROVAL. ANY LIABILITY ATTACHED THERETO IS LIMITED TO THE FEE CHARGED.

*B. Pepper*  
B. Pepper

PROVINCIAL ASSAYER

*Analytical and Consulting Chemists, Bulk Cargo Specialists, Surveyors, Inspectors, Samplers, Weighers*

MEMBER: American Society For Testing Materials • The American Oil Chemists Society • Canadian Testing Association  
REFEREE AND OR OFFICIAL CHEMISTS FOR: National Institute of Oilseed Products • The American Oil Chemists' Society  
OFFICIAL WEIGHMASTERS FOR: Vancouver Board Of Trade



**CERTIFICATE OF ASSAY**

Date: March 30, 1988

File: 8803-0953



**SGS SUPERVISION SERVICES INC.**  
General Testing Laboratories Division

1001 East Pender Street,  
Vancouver, B.C., Canada. V6A 1W2  
Telephone: (604) 254-1647  
Telex: 04-507514

TO: N.V.C. ENGINEERING

( page 5 )

We hereby certify that the following are the results of assays on: soil samples

| MARKED             | GOLD     |          | SILVER |  | SAMPLE MARKED: | GOLD     |          | SILVER |  |
|--------------------|----------|----------|--------|--|----------------|----------|----------|--------|--|
|                    | Au (ppm) | Ag (ppm) |        |  |                | Au (ppm) | Ag (ppm) |        |  |
| TL 0+50 E          | 0.03     | 0.4      |        |  | <u>BL</u>      |          |          |        |  |
| 1+50               | 0.07     | 0.3      |        |  | L# 1E          | 0+00 S   | 0.02     | 0.8    |  |
| 2+50               | 0.29     | 0.6      |        |  | L# 2E          |          | 0.02     | 0.6    |  |
| 3+50               | 0.04     | 1.2      |        |  | L# 3E          |          | 0.02     | 0.6    |  |
| 4+50               | 0.30     | 0.7      |        |  | L# 4E          |          | 0.02     | 0.6    |  |
| 5+50               | 0.94     | 1.8      |        |  | L# 6+50        |          | 0.02     | 0.4    |  |
| 6+50               | 0.09     | 0.9      |        |  | L# 7E          |          | 0.02     | 0.5    |  |
| 7+50               | 0.18     | 0.3      |        |  | L# 8E          |          | 0.02     | 0.8    |  |
| 8+50               | 0.04     | 0.3      |        |  | L#11E          |          | 0.02     | 0.7    |  |
| 9+50               | 0.13     | 0.6      |        |  |                |          |          |        |  |
| 10+50              | 0.04     | 1.1      |        |  |                |          |          |        |  |
| 11+50              | 0.03     | 0.4      |        |  | BLE            | 5+50E    | 0.02     | 0.6    |  |
|                    |          |          |        |  |                | 6+00E    | 0.02     | 0.6    |  |
| TL- L# 1E - 10+00S | 0.02     | 0.1      |        |  |                | 10+00E   | 0.02     | 0.6    |  |
| L# 2E              | 0.02     | 0.1      |        |  |                |          |          |        |  |
| L# 3E              | 0.02     | 0.4      |        |  |                |          |          |        |  |
| L# 4E              | 0.02     | 0.3      |        |  | GS 2           | 300N     | 0.02     | 0.3    |  |
| L# 5E              | 0.02     | 0.4      |        |  |                | 300W     |          |        |  |
| L# 6E              | 0.02     | 0.2      |        |  |                |          |          |        |  |
| L#10E              | 0.02     | 0.6      |        |  | L# 8E          | 10+00 S  | 0.02     | 0.6    |  |
| L#11E              | 0.02     | 0.4      |        |  |                |          |          |        |  |
| L#12E              | 0.02     | 0.1      |        |  |                |          |          |        |  |
| BL 0+50 E          | 0.02     | 0.5      |        |  |                |          |          |        |  |
| 1+50               | 0.02     | 0.6      |        |  |                |          |          |        |  |
| 2+50               | 0.02     | 0.7      |        |  |                |          |          |        |  |
| 3+50               | 0.02     | 0.5      |        |  |                |          |          |        |  |
| 4+50               | 0.02     | 0.4      |        |  |                |          |          |        |  |
| 5+00               | 0.02     | 0.5      |        |  |                |          |          |        |  |
| 5+50               | 0.02     | 0.4      |        |  |                |          |          |        |  |
| 7+50               | 0.02     | 0.5      |        |  |                |          |          |        |  |
| 8+50               | 0.02     | 0.6      |        |  |                |          |          |        |  |
| 9+00               | 0.02     | 0.4      |        |  |                |          |          |        |  |
| 9+50               | 0.02     | 0.5      |        |  |                |          |          |        |  |
| L9+50              | 0.02     | 0.6      |        |  |                |          |          |        |  |
| 10+50              | 0.02     | 0.5      |        |  |                |          |          |        |  |
| 11+50              | 0.02     | 0.6      |        |  |                |          |          |        |  |
| 12+00 E            | 0.02     | 0.6      |        |  |                |          |          |        |  |

NOTE: REJECTS RETAINED ONE MONTH. PULPS RETAINED THREE MONTHS. ON REQUEST PULPS AND REJECTS WILL BE STORE FOR A MAXIMUM OF ONE YEAR.

ALL REPORTS ARE THE CONFIDENTIAL PROPERTY OF CLIENTS. PUBLICATION OF STATEMENTS, CONCLUSION OR EXTRACTS FROM OR REGARDING OUR REPORTS IS NOT PERMITTED WITHOUT OUR WRITTEN APPROVAL. ANY LIABILITY ATTACHED THERETO IS LIMITED TO THE FEE CHARGED.

*B. Pepper*  
B. Pepper

PROVINCIAL ASSAYER

**Analytical and Consulting Chemists, Bulk Cargo Specialists, Surveyors, Inspectors, Samplers, Weighers**

MEMBER: American Society For Testing Materials • The American Oil Chemists Society • Canadian Testing Association  
REFEREE AND OR OFFICIAL CHEMISTS FOR: National Institute of Oilseed Products • The American Oil Chemists' Society  
OFFICIAL WEIGHMASTERS FOR: Vancouver Board Of Trade

**CERTIFICATE OF ANALYSIS**

Date: March 25, 1988

File: 8803-2352



**SGS SUPERVISION SERVICES INC.**  
General Testing Laboratories Division

1001 East Pender Street,  
Vancouver, B.C., Canada V6A 1W2  
Telephone: (604) 254-1647  
Telex: 04-507514

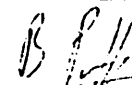
TO: N.V.C. ENGINEERING  
Ste. 304 - 1720 Barclay Street  
Vancouver, B.C.  
V6G 2Y1

We hereby certify that the following are the results of assays on: **Ore**

| MARKED          | GOLD  | SILVER | XXXXXXXX | XXXXXXXXXX | XXXXXXXXXX | XXXXXXXXXX | XXXXXXXXXX | XXXXXX |
|-----------------|-------|--------|----------|------------|------------|------------|------------|--------|
|                 | oz/st | oz/st  |          |            |            |            |            |        |
| <u>JW 3 x 3</u> |       |        |          |            |            |            |            |        |
| 001             | 0.004 | 0.20   |          |            |            |            |            |        |
| 002             | 0.006 | 0.34   |          |            |            |            |            |        |
| 003             | 0.006 | 0.24   |          |            |            |            |            |        |
| 004             | 0.016 | 0.06   |          |            |            |            |            |        |
| 005             | 0.152 | 0.32   |          |            |            |            |            |        |
| 006             | 0.214 | 0.42   |          |            |            |            |            |        |
| 007             | 0.060 | 0.22   |          |            |            |            |            |        |
| 008             | 0.042 | 0.25   |          |            |            |            |            |        |
| 009             | 0.010 | 0.22   |          |            |            |            |            |        |
| 010             | 0.010 | 0.12   |          |            |            |            |            |        |
| 011             | 0.004 | 0.10   |          |            |            |            |            |        |
| 012             | 0.004 | 0.24   |          |            |            |            |            |        |
| 013             | 0.004 | 0.20   |          |            |            |            |            |        |
| (GAD)014        | 0.006 | 0.22   |          |            |            |            |            |        |

NOTE. REJECTS RETAINED ONE MONTH PULPS RETAINED THREE MONTHS. ON REQUEST PULPS AND REJECTS WILL BE STORE FOR A MAXIMUM OF ONE YEAR.

ALL REPORTS ARE THE CONFIDENTIAL PROPERTY OF CLIENTS. PUBLICATION OF STATEMENTS, CONCLUSION OR EXTRACTS FROM OR REGARDING OUR REPORTS IS NOT PERMITTED WITHOUT OUR WRITTEN APPROVAL. ANY LIABILITY ATTACHED THERETO IS LIMITED TO THE FEE CHARGED.

  
**B. Pepper**

PROVINCIAL ASSAYER

**Analytical and Consulting Chemists, Bulk Cargo Specialists, Surveyors, Inspectors, Samplers, Weighers**

MEMBER: American Society For Testing Materials • The American Oil Chemists Society • Canadian Testing Association  
REFEREE AND OR OFFICIAL CHEMISTS FOR: National Institute of Oilseed Products • The American Oil Chemists' Society  
OFFICIAL WEIGHMASTERS FOR: Vancouver Board Of Trade

**CERTIFICATE OF ASSAY**

Date: April 5, 1988

File: 8803-2862



**SGS SUPERVISION SERVICES INC.**  
General Testing Laboratories Division

1001 East Pender Street,  
Vancouver, B.C., Canada. V6A 1W2  
Telephone: (604) 254-1647  
Telex: 04-507514

TO: N.V.C. ENGINEERING LTD.  
Ste. 304 - 1720 Barclay Street  
Vancouver, B.C.  
V6G 2Y1

We hereby certify that the following are the results of assays on: soil samples

| MARKED      | GOLD     | SILVER   | XXXXXXXXXX | XXXXXXXXXX | XXXXXXXXXX | XXXXXXXXXX | XXXXXXXXXX | XXXXXXXXXX |
|-------------|----------|----------|------------|------------|------------|------------|------------|------------|
|             | Au (ppm) | Ag (ppm) |            |            |            |            |            |            |
| L#4W 0+00 S | 0.02     | 0.3      |            |            |            |            |            |            |
| 1+00        | 0.02     | 0.5      |            |            |            |            |            |            |
| 1+50        | 0.02     | 1.5      |            |            |            |            |            |            |
| 2+00        | 0.02     | 0.5      |            |            |            |            |            |            |
| 3+00        | 0.02     | 1.7      |            |            |            |            |            |            |
| 3+50        | 0.03     | 1.0      |            |            |            |            |            |            |
| 4+00        | 0.02     | 1.3      |            |            |            |            |            |            |
| 4+50        | 0.03     | 1.1      |            |            |            |            |            |            |
| 5+00        | 0.02     | 0.8      |            |            |            |            |            |            |
| 5+50        | 0.02     | 0.7      |            |            |            |            |            |            |
| 6+00        | 0.02     | 0.6      |            |            |            |            |            |            |
| 6+50        | 0.02     | 0.7      |            |            |            |            |            |            |
| 7+00        | 0.02     | 0.9      |            |            |            |            |            |            |
| 7+50        | 0.02     | 0.7      |            |            |            |            |            |            |
| 8+00        | 0.02     | 0.7      |            |            |            |            |            |            |
| 8+50        | 0.02     | 0.9      |            |            |            |            |            |            |
| 9+00        | 0.03     | 0.3      |            |            |            |            |            |            |
| 9+50        | 0.02     | 1.1      |            |            |            |            |            |            |
| 10+00       | 0.02     | 1.2      |            |            |            |            |            |            |
| 10+50       | 0.02     | 0.8      |            |            |            |            |            |            |
| 11+00       | 0.02     | 1.0      |            |            |            |            |            |            |
| 11+50       | 0.02     | 2.5      |            |            |            |            |            |            |
| 12+00       | 0.02     | 0.6      |            |            |            |            |            |            |
| 12+50       | 0.02     | 0.8      |            |            |            |            |            |            |
| 13+00       | 0.02     | 0.9      |            |            |            |            |            |            |
| 13+50       | 0.02     | 1.0      |            |            |            |            |            |            |
| 14+00       | 0.02     | 0.9      |            |            |            |            |            |            |
| 14+50       | 0.02     | 1.2      |            |            |            |            |            |            |
| 15+00       | 0.03     | 0.8      |            |            |            |            |            |            |
| 15+50       | 0.02     | 0.5      |            |            |            |            |            |            |
| 16+00       | 0.02     | 0.6      |            |            |            |            |            |            |
| 16+50       | 0.02     | 0.9      |            |            |            |            |            |            |
| 17+00       | 0.02     | 0.7      |            |            |            |            |            |            |
| 17+50       | 0.02     | 1.5      |            |            |            |            |            |            |
| 18+00 S     | 0.02     | 1.0      |            |            |            |            |            |            |

/ continued on page 2 .....

NOTE: REJECTS RETAINED ONE MONTH PULPS RETAINED THREE MONTHS. ON REQUEST PULPS AND REJECTS WILL BE STORE FOR A MAXIMUM OF ONE YEAR.

ALL REPORTS ARE THE CONFIDENTIAL PROPERTY OF CLIENTS. PUBLICATION OF STATEMENTS, CONCLUSION OR EXTRACTS FROM OR REGARDING OUR REPORTS IN NOT PERMITTED WITHOUT OUR WRITTEN APPROVAL. ANY LIABILITY ATTACHED THERETO IS LIMITED TO THE FEE CHARGED.

*B. Pepper*  
B. Pepper

PROVINCIAL ASSAYER

**Analytical and Consulting Chemists, Bulk Cargo Specialists, Surveyors, Inspectors, Samplers, Weighers**

MEMBER: American Society For Testing Materials • The American Oil Chemists Society • Canadian Testing Association  
REFEREE AND OR OFFICIAL CHEMISTS FOR: National Institute of Oilseed Products • The American Oil Chemists' Society  
OFFICIAL WEIGHMASTERS FOR: Vancouver Board Of Trade

**CERTIFICATE OF ASSAY**

Date: April 5, 1988

File: 8803-2862



**SGS SUPERVISION SERVICES INC.**

General Testing Laboratories Division

1001 East Pender Street,  
Vancouver, B.C., Canada V6A 1W2  
Telephone: (604) 254-1647  
Telex: 04-507514

TO: N.V.C. ENGINEERING LTD.

(page 2 )

We hereby certify that the following are the results of assays on: soil samples

| MARKED        | GOLD     | SILVER   | XXXXXXXXXX | XXXXXXXXXXXX | XXXXXXXXXXXX | XXXXXXXXXXXX | XXXXXXXXXXXX | XXXXXXXXXXXX |
|---------------|----------|----------|------------|--------------|--------------|--------------|--------------|--------------|
|               | Au (ppm) | Ag (ppm) |            |              |              |              |              |              |
| L# 2W 0+00 S  | 0.02     | 0.5      |            |              |              |              |              |              |
| 0+50          | 0.02     | 0.4      |            |              |              |              |              |              |
| 1+00          | 0.03     | 0.6      |            |              |              |              |              |              |
| 1+50          | 0.02     | 0.4      |            |              |              |              |              |              |
| 2+00          | 0.02     | 0.6      |            |              |              |              |              |              |
| 3+00          | 0.02     | 0.8      |            |              |              |              |              |              |
| 3+50          | 0.02     | 1.0      |            |              |              |              |              |              |
| 4+00          | 0.02     | 0.5      |            |              |              |              |              |              |
| 4+50          | 0.02     | 0.7      |            |              |              |              |              |              |
| 5+00          | 0.02     | 1.0      |            |              |              |              |              |              |
| 5+50          | 0.02     | 1.0      |            |              |              |              |              |              |
| 6+00          | 0.02     | 1.3      |            |              |              |              |              |              |
| 6+50          | 0.02     | 0.9      |            |              |              |              |              |              |
| 7+00          | 0.02     | 0.3      |            |              |              |              |              |              |
| 7+50          | 0.03     | 0.5      |            |              |              |              |              |              |
| 8+50          | 0.02     | 0.4      |            |              |              |              |              |              |
| 9+00          | 0.02     | 0.7      |            |              |              |              |              |              |
| 10+00         | 0.02     | 0.7      |            |              |              |              |              |              |
| 10+50         | 0.02     | 0.5      |            |              |              |              |              |              |
| 11+00         | 0.02     | 1.1      |            |              |              |              |              |              |
| 11+50         | 0.02     | 0.6      |            |              |              |              |              |              |
| 12+00         | 0.02     | 0.8      |            |              |              |              |              |              |
| 12+50         | 0.03     | 1.1      |            |              |              |              |              |              |
| 13+00         | 0.02     | 0.9      |            |              |              |              |              |              |
| 13+50         | 0.02     | 0.2      |            |              |              |              |              |              |
| 14+00         | 0.02     | 0.6      |            |              |              |              |              |              |
| 14+50         | 0.02     | 0.2      |            |              |              |              |              |              |
| 15+00         | 0.02     | 0.7      |            |              |              |              |              |              |
| 15+50 (15+80) | 0.02     | 1.1      |            |              |              |              |              |              |
| 16+50         | 0.02     | 0.9      |            |              |              |              |              |              |
| 17+00         | 0.02     | 1.3      |            |              |              |              |              |              |
| 18+00         | 0.02     | 0.8      |            |              |              |              |              |              |
| 9+50          | 0.02     | 1.0      |            |              |              |              |              |              |

NOTE: REJECTS RETAINED ONE MONTH PULPS RETAINED THREE MONTHS. ON REQUEST PULPS AND REJECTS WILL BE STORE FOR A MAXIMUM OF ONE YEAR.

ALL REPORTS ARE THE CONFIDENTIAL PROPERTY OF CLIENTS. PUBLICATION OF STATEMENTS CONCLUSION OR EXTRACTS FROM OR REGARDING OUR REPORTS IN NOT PERMITTED WITHOUT OUR WRITTEN APPROVAL. ANY LIABILITY ATTACHED THERETO IS LIMITED TO THE FEE CHARGED.

*B. J. Pepper*  
B. Pepper

PROVINCIAL ASSAYER

**Analytical and Consulting Chemists, Bulk Cargo Specialists, Surveyors, Inspectors, Samplers, Weighers**

MEMBER: American Society For Testing Materials • The American Oil Chemists Society • Canadian Testing Association  
REFEREE AND OR OFFICIAL CHEMISTS FOR: National Institute of Oilseed Products • The American Oil Chemists' Society  
OFFICIAL WEIGHMASTERS FOR: Vancouver Board Of Trade

**CERTIFICATE OF ASSAY**

Date: March 25, 1988

File: 8802-2959



**SGS SUPERVISION SERVICES INC.**  
General Testing Laboratories Division

1001 East Pender Street,  
Vancouver, B.C., Canada. V6A 1W2  
Telephone: (604) 254-1647  
Telex: 04-507514

TO: N.V.C. ENGINEERING  
Ste. 304 - 1720 Barclay Street  
Vancouver, B.C.  
V6G 2Y1

LUSTY VALIANT

We hereby certify that the following are the results of assays on: soil samples

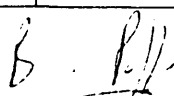
221

| MARKED        | GOLD     | SILVER   | XXXXXX | XXXXXXXXXX | XXXXXXXXXX | XXXXXXXXXX | XXXXXXXXXX | XXXXXXXXXX |
|---------------|----------|----------|--------|------------|------------|------------|------------|------------|
|               | Au (ppm) | Ag (ppm) |        |            |            |            |            |            |
| <u>B.L.</u>   |          |          |        |            |            |            |            |            |
| 10+00 S       | 0.02     | 1.5      |        |            |            |            |            |            |
| 10+50 S       | 0.03     | 0.6      |        |            |            |            |            |            |
| 11+00 E       | 0.02     | 1.0      |        |            |            |            |            |            |
| 11+50         | 0.02     | 0.8      |        |            |            |            |            |            |
| 12+00         | 0.02     | 0.7      |        |            |            |            |            |            |
| 12+50         | 0.02     | 1.0      |        |            |            |            |            |            |
| 13+00         | 0.02     | 0.8      |        |            |            |            |            |            |
| 13+50         | 0.02     | 0.5      |        |            |            |            |            |            |
| 14+00         | 0.02     | 0.2      |        |            |            |            |            |            |
| 14+50         | 0.02     | 1.0      |        |            |            |            |            |            |
| 15+00         | 0.02     | 0.8      |        |            |            |            |            |            |
| 15+50         | 0.03     | 1.0      |        |            |            |            |            |            |
| 16+00         | 0.02     | 1.5      |        |            |            |            |            |            |
| 16+50         | 0.02     | 0.6      |        |            |            |            |            |            |
| 17+00         | 0.02     | 0.8      |        |            |            |            |            |            |
| 17+50         | 0.02     | 0.6      |        |            |            |            |            |            |
| 18+50         | 0.02     | 1.0      |        |            |            |            |            |            |
| 19+00         | 0.02     | 0.8      |        |            |            |            |            |            |
| 19+50         | 0.02     | 0.8      |        |            |            |            |            |            |
| 20+00         | 0.02     | 1.2      |        |            |            |            |            |            |
| 20+50         | 0.02     | 1.1      |        |            |            |            |            |            |
| 21+00         | 0.02     | 0.8      |        |            |            |            |            |            |
| 21+50         | 0.02     | 1.1      |        |            |            |            |            |            |
| 22+00         | 0.02     | 1.0      |        |            |            |            |            |            |
| 22+50         | 0.02     | 0.5      |        |            |            |            |            |            |
| 23+00         | 0.02     | 0.4      |        |            |            |            |            |            |
| 23+50         | 0.02     | 0.6      |        |            |            |            |            |            |
| 24+00 E       | 0.02     | 0.8      |        |            |            |            |            |            |
| <u>L 10 E</u> |          |          |        |            |            |            |            |            |
| 0+50 N        | 0.02     | 0.5      |        |            |            |            |            |            |
| 1+00          | 0.03     | 0.4      |        |            |            |            |            |            |
| 1+50          | 0.02     | 1.1      |        |            |            |            |            |            |
| 2+00          | 0.02     | 0.5      |        |            |            |            |            |            |
| 2+50 N        | 0.02     | 0.6      |        |            |            |            |            |            |

/ continued on page 2 .....

NOTE: REJECTS RETAINED ONE MONTH. PULPS RETAINED THREE MONTHS. ON REQUEST PULPS AND REJECTS WILL BE STORE FOR A MAXIMUM OF ONE YEAR.

ALL REPORTS ARE THE CONFIDENTIAL PROPERTY OF CLIENTS. PUBLICATION OF STATEMENTS, CONCLUSION OR EXTRACTS FROM OR REGARDING OUR REPORTS IN NOT PERMITTED WITHOUT OUR WRITTEN APPROVAL. ANY LIABILITY ATTACHED THERETO IS LIMITED TO THE FEE CHARGED.

  
 B. Pepper  
 PROVINCIAL ASSAYER

**Analytical and Consulting Chemists, Bulk Cargo Specialists, Surveyors, Inspectors, Samplers, Weighers**

MEMBER: American Society For Testing Materials • The American Oil Chemists Society • Canadian Testing Association  
 REFEREE AND OR OFFICIAL CHEMISTS FOR: National Institute of Oilseed Products • The American Oil Chemists' Society  
 OFFICIAL WEIGHMASTERS FOR: Vancouver Board Of Trade

**CERTIFICATE OF ANALYSIS**

Date: March 25, 1988

File: 8802-2959



**SGS SUPERVISION SERVICES INC.**

General Testing Laboratories Division

1001 East Pender Street,  
Vancouver, B.C., Canada. V6A 1W2  
Telephone: (604) 254-1647  
Telex: 04-507514

TO: N.V.C. ENGINEERING LTD.

( page 2 )

We hereby certify that the following are the results of assays on: soil samples

| MARKED        | GOLD     | SILVER   | XXXXXXXXXXXXXXXXXXXX | XXXXXXXXXXXX | XXXXXXXXXXXX | XXXXXXXXXXXX | XXXXXXXXXXXX | XXXXXXXXXXXX | XXXXXXXXXXXX |
|---------------|----------|----------|----------------------|--------------|--------------|--------------|--------------|--------------|--------------|
|               | Au (ppm) | Ag (ppm) |                      |              |              |              |              |              |              |
| <u>L 12 E</u> |          |          |                      |              |              |              |              |              |              |
| 2+50 N        | 0.02     | 0.7      |                      |              |              |              |              |              |              |
| 3+00 N        | 0.02     | 1.1      |                      |              |              |              |              |              |              |
| <u>L 13 E</u> |          |          |                      |              |              |              |              |              |              |
| 0+50 S        | 0.02     | 0.7      |                      |              |              |              |              |              |              |
| 1+00          | 0.02     | 0.7      |                      |              |              |              |              |              |              |
| 1+50          | 0.02     | 0.7      |                      |              |              |              |              |              |              |
| 2+00          | 0.02     | 0.7      |                      |              |              |              |              |              |              |
| 2+50          | 0.02     | 0.8      |                      |              |              |              |              |              |              |
| 3+00 S        | 0.02     | 0.8      |                      |              |              |              |              |              |              |
| 0+50 N        | 0.02     | 1.0      |                      |              |              |              |              |              |              |
| 1+00          | 0.02     | 0.7      |                      |              |              |              |              |              |              |
| 1+50          | 0.02     | 1.0      |                      |              |              |              |              |              |              |
| 2+00          | 0.02     | 1.1      |                      |              |              |              |              |              |              |
| 2+50          | 0.02     | 0.8      |                      |              |              |              |              |              |              |
| 3+00          | 0.02     | 1.1      |                      |              |              |              |              |              |              |
| 3+50          | 0.04     | 1.0      |                      |              |              |              |              |              |              |
| 4+00 N        | 0.02     | 1.2      |                      |              |              |              |              |              |              |
| <u>L 14 E</u> |          |          |                      |              |              |              |              |              |              |
| 1+00 S        | 0.02     | 0.5      |                      |              |              |              |              |              |              |
| 1+50          | 0.02     | 0.5      |                      |              |              |              |              |              |              |
| 2+00          | 0.02     | 0.6      |                      |              |              |              |              |              |              |
| 2+50          | 0.02     | 1.2      |                      |              |              |              |              |              |              |
| 3+00 S        | 0.02     | 0.9      |                      |              |              |              |              |              |              |
| 0+50 N        | 0.02     | 1.1      |                      |              |              |              |              |              |              |
| 1+00          | 0.08     | 1.2      |                      |              |              |              |              |              |              |
| 1+50          | 0.02     | 1.3      |                      |              |              |              |              |              |              |
| 2+00          | 0.02     | 0.9      |                      |              |              |              |              |              |              |
| 2+50          | 0.04     | 0.3      |                      |              |              |              |              |              |              |
| 3+00          | 0.14     | 0.3      |                      |              |              |              |              |              |              |
| 3+50          | 0.02     | 0.8      |                      |              |              |              |              |              |              |
| 4+00 N        | 0.02     | 0.6      |                      |              |              |              |              |              |              |

/ continued on page 3 .....

NOTE: REJECTS RETAINED ONE MONTH. PULPS RETAINED THREE MONTHS. ON REQUEST PULPS AND REJECTS WILL BE STORE FOR A MAXIMUM OF ONE YEAR.

ALL REPORTS ARE THE CONFIDENTIAL PROPERTY OF CLIENTS. PUBLICATION OF STATEMENTS, CONCLUSION OR EXTRACTS FROM OR REGARDING OUR REPORTS IS NOT PERMITTED WITHOUT OUR WRITTEN APPROVAL. ANY LIABILITY ATTACHED THERETO IS LIMITED TO THE FEE CHARGED.

*B. Pepper*  
B. Pepper

PROVINCIAL ASSAYER

*Analytical and Consulting Chemists, Bulk Cargo Specialists, Surveyors, Inspectors, Samplers, Weighers*

MEMBER: American Society For Testing Materials • The American Oil Chemists Society • Canadian Testing Association  
REFEREE AND OR OFFICIAL CHEMISTS FOR: National Institute of Oilseed Products • The American Oil Chemists' Society  
OFFICIAL WEIGHMASTERS FOR: Vancouver Board Of Trade

**CERTIFICATE OF ASSAY**

Date: March 25, 1988

File: 8802-2959



**SGS SUPERVISION SERVICES INC.**  
General Testing Laboratories Division

1001 East Pender Street,  
Vancouver, B.C., Canada. V6A 1W2  
Telephone: (604) 254-1647  
Telex: 04-507514

TO: N.V.C. ENGINEERING

(P 2 A)

We hereby certify that the following are the results of assays on: soil samples

| MARKED        | GOLD     | SILVER  | XXXXXXXX | XXXXXXXXXX | XXXXXXXXXX | XXXXXXXXXX | XXXXXXXXXX | XXXXXXXX |
|---------------|----------|---------|----------|------------|------------|------------|------------|----------|
|               | Au (ppm) | Ag(ppm) |          |            |            |            |            |          |
| <u>L 10 E</u> |          |         |          |            |            |            |            |          |
| 3+00 N        | 0.02     | 0.4     |          |            |            |            |            |          |
| 3+50          | 0.03     | 0.6     |          |            |            |            |            |          |
| 4+00 N        | 0.02     | 1.1     |          |            |            |            |            |          |
| 1+50 S        | 0.02     | 1.0     |          |            |            |            |            |          |
| <u>L 11 E</u> |          |         |          |            |            |            |            |          |
| 0+50 S        | 0.02     | 0.8     |          |            |            |            |            |          |
| 1+00          | 0.02     | 1.0     |          |            |            |            |            |          |
| 1+50          | 0.02     | 1.1     |          |            |            |            |            |          |
| 2+00          | 0.03     | 0.8     |          |            |            |            |            |          |
| 2+50          | 0.02     | 0.6     |          |            |            |            |            |          |
| 3+00 S        | 0.02     | 0.8     |          |            |            |            |            |          |
| 0+50 N        | 0.02     | 0.8     |          |            |            |            |            |          |
| 1+00          | 0.02     | 0.7     |          |            |            |            |            |          |
| 1+50          | 0.02     | 0.8     |          |            |            |            |            |          |
| 2+00          | 0.02     | 0.8     |          |            |            |            |            |          |
| 2+50          | 0.02     | 1.0     |          |            |            |            |            |          |
| 3+00          | 0.02     | 1.1     |          |            |            |            |            |          |
| 3+50          | 0.02     | 1.5     |          |            |            |            |            |          |
| 4+00 N        | 0.02     | 0.8     |          |            |            |            |            |          |
| <u>L 12 E</u> |          |         |          |            |            |            |            |          |
| 0+50 S        | 0.02     | 1.0     |          |            |            |            |            |          |
| 1+00          | 0.02     | 0.7     |          |            |            |            |            |          |
| 1+50          | 0.02     | 0.8     |          |            |            |            |            |          |
| 2+00          | 0.02     | 0.8     |          |            |            |            |            |          |
| 2+50          | 0.02     | 0.6     |          |            |            |            |            |          |
| 3+00          | 0.02     | 0.6     |          |            |            |            |            |          |
| 0+50 ~        | 0.02     | 0.7     |          |            |            |            |            |          |
| 1+00          | 0.02     | .10     |          |            |            |            |            |          |
| 1+50          | 0.02     | 1.3     |          |            |            |            |            |          |
| 2+00 N        | 0.02     | 0.7     |          |            |            |            |            |          |

/ continued on page 2 .....

NOTE: REJECTS RETAINED ONE MONTH. PULPS RETAINED THREE MONTHS. ON REQUEST PULPS AND REJECTS WILL BE STORE FOR A MAXIMUM OF ONE YEAR.

ALL REPORTS ARE THE CONFIDENTIAL PROPERTY OF CLIENTS. PUBLICATION OF STATEMENTS CONCLUSION OR EXTRACTS FROM OR REGARDING OUR REPORTS IN NOT PERMITTED WITHOUT OUR WRITTEN APPROVAL. ANY LIABILITY ATTACHED THERETO IS LIMITED TO THE FEE CHARGED.

B. Pepper

PROVINCIAL ASSAYER

*Analytical and Consulting Chemists, Bulk Cargo Specialists, Surveyors, Inspectors, Samplers, Weighers*

MEMBER: American Society For Testing Materials • The American Oil Chemists Society • Canadian Testing Association  
REFEREE AND OR OFFICIAL CHEMISTS FOR: National Institute of Oilseed Products • The American Oil Chemists' Society  
OFFICIAL WEIGHMASTERS FOR: Vancouver Board Of Trade

**CERTIFICATE OF ASSAY**

Date: March 25, 1988

File: 8802-2959



**SGS SUPERVISION SERVICES INC.**  
**General Testing Laboratories Division**  
 1001 East Pender Street,  
 Vancouver, B.C., Canada. V6A 1W2  
 Telephone: (604) 254-1647  
 Telex: 04-507514

TO: N.V. C. ENGINEERING

( page 3 )

We hereby certify that the following are the results of assays on: soil samples

| MARKED        | GOLD    | SILVER   | XXXXXXXXXX | XXXXXXXXXX | XXXXXXXXXX | XXXXXXXXXX | XXXXXXXXXX | XXXXXXXXXX |
|---------------|---------|----------|------------|------------|------------|------------|------------|------------|
|               | Au(ppm) | Ag (ppm) |            |            |            |            |            |            |
| <u>L 15 E</u> |         |          |            |            |            |            |            |            |
| 0 + 50 S      | 0.02    | 0.8      |            |            |            |            |            |            |
| 1+00          | 0.02    | 0.7      |            |            |            |            |            |            |
| 2+00          | 0.02    | 0.7      |            |            |            |            |            |            |
| 2+50          | 0.02    | 0.3      |            |            |            |            |            |            |
| 3+00 S        | 0.02    | 0.8      |            |            |            |            |            |            |
| 0+50 N        | 0.02    | 1.1      |            |            |            |            |            |            |
| 1+00          | 0.02    | 1.0      |            |            |            |            |            |            |
| 1+50          | 0.02    | 1.4      |            |            |            |            |            |            |
| 2+00          | 0.02    | 1.3      |            |            |            |            |            |            |
| 2+50          | 0.02    | 1.3      |            |            |            |            |            |            |
| 3+00          | 0.02    | 0.4      |            |            |            |            |            |            |
| 3+50          | 0.02    | 1.7      |            |            |            |            |            |            |
| 4+00 N        | 0.02    | 1.2      |            |            |            |            |            |            |
| <u>L 16 E</u> |         |          |            |            |            |            |            |            |
| 0+50 S        | 0.02    | 1.1      |            |            |            |            |            |            |
| 1+00          | 0.02    | 0.9      |            |            |            |            |            |            |
| 1+50          | 0.02    | 0.8      |            |            |            |            |            |            |
| 2+00          | 0.02    | 1.1      |            |            |            |            |            |            |
| 2+50          | 0.02    | 0.6      |            |            |            |            |            |            |
| 3+00 S        | 0.02    | 0.3      |            |            |            |            |            |            |
| 0+50 N        | 0.02    | 0.7      |            |            |            |            |            |            |
| 1+00          | 0.03    | 1.0      |            |            |            |            |            |            |
| 1+50          | 0.02    | 0.7      |            |            |            |            |            |            |
| 2+00          | 0.02    | 0.8      |            |            |            |            |            |            |
| 2+50          | 0.02    | 0.3      |            |            |            |            |            |            |
| 3+00          | 0.02    | 0.2      |            |            |            |            |            |            |
| 3+50          | 0.02    | 0.8      |            |            |            |            |            |            |
| 4+00 N        | 0.03    | 0.9      |            |            |            |            |            |            |

/ continued on page 4 .....

NOTE: REJECTS RETAINED ONE MONTH. PULPS RETAINED THREE MONTHS. ON REQUEST PULPS AND REJECTS WILL BE STORE FOR A MAXIMUM OF ONE YEAR.

ALL REPORTS ARE THE CONFIDENTIAL PROPERTY OF CLIENTS. PUBLICATION OF STATEMENTS CONCLUSION OR EXTRACTS FROM OR REGARDING OUR REPORTS IN NOT PERMITTED WITHOUT OUR WRITTEN APPROVAL. ANY LIABILITY ATTACHED THERETO IS LIMITED TO THE FEE CHARGED.

*B. Pepper*  
 B. Pepper

PROVINCIAL ASSAYER

**Analytical and Consulting Chemists, Bulk Cargo Specialists, Surveyors, Inspectors, Samplers, Weighers**

MEMBER: American Society For Testing Materials • The American Oil Chemists Society • Canadian Testing Association  
 REFEREE AND OR OFFICIAL CHEMISTS FOR: National Institute of Oilseed Products • The American Oil Chemists' Society  
 OFFICIAL WEIGHMASTERS FOR: Vancouver Board Of Trade



**CERTIFICATE OF ASSAY**

Date: March 25, 1988

File: 8802-2959



**SGS SUPERVISION SERVICES INC.**  
General Testing Laboratories Division

TO: N.V.C. ENGINEERING LTD.

1001 East Pender Street,  
Vancouver, B.C., Canada. V6A 1W2  
Telephone: (604) 254-1647  
Telex: 04-507514

( page 4 )

We hereby certify that the following are the results of assays on: soil samples

| MARKED        | GOLD    | SILVER   | XXXXXXXXXX | XXXXXXXXXX | XXXXXXXXXX | XXXXXXXXXX | XXXXXXXXXX | XXXXXXXXXX |
|---------------|---------|----------|------------|------------|------------|------------|------------|------------|
|               | Au(ppm) | Ag (ppm) |            |            |            |            |            |            |
| <u>L 17 E</u> |         |          |            |            |            |            |            |            |
| 0+50 S        | 0.02    | 0.7      |            |            |            |            |            |            |
| 1+00          | 0.02    | 0.6      |            |            |            |            |            |            |
| 1+50          | 0.02    | 0.9      |            |            |            |            |            |            |
| 2+00          | 0.02    | 0.8      |            |            |            |            |            |            |
| 2+50          | 0.02    | 1.2      |            |            |            |            |            |            |
| 3+00 S        | 0.02    | 0.4      |            |            |            |            |            |            |
| 0+50 N        | 0.02    | 0.8      |            |            |            |            |            |            |
| 1+00          | 0.02    | 1.0      |            |            |            |            |            |            |
| 1+50          | 0.02    | 0.6      |            |            |            |            |            |            |
| 2+00          | 0.02    | 0.9      |            |            |            |            |            |            |
| 2+50          | 0.02    | 2.8      |            |            |            |            |            |            |
| 3+00          | 0.02    | 0.8      |            |            |            |            |            |            |
| 3+50          | 0.02    | 1.0      |            |            |            |            |            |            |
| 4+00 N        | 0.02    | 1.0      |            |            |            |            |            |            |
| <u>L 18 E</u> |         |          |            |            |            |            |            |            |
| 0+50 S        | 0.02    | 1.0      |            |            |            |            |            |            |
| 1+00          | 0.02    | 0.9      |            |            |            |            |            |            |
| 1+50          | 0.02    | 0.6      |            |            |            |            |            |            |
| 2+00          | 0.02    | 0.8      |            |            |            |            |            |            |
| 2+50          | 0.02    | 0.6      |            |            |            |            |            |            |
| 3+00 S        | 0.02    | 0.9      |            |            |            |            |            |            |
| 0+50 N        | 0.02    | 0.3      |            |            |            |            |            |            |
| 1+00          | 0.02    | 0.3      |            |            |            |            |            |            |
| 1+50          | 0.02    | 0.2      |            |            |            |            |            |            |
| 2+00          | 0.02    | 0.3      |            |            |            |            |            |            |
| 3+00          | 0.02    | 0.8      |            |            |            |            |            |            |
| 3+50          | 0.02    | 1.3      |            |            |            |            |            |            |
| 4+00 N        | 0.02    | 1.2      |            |            |            |            |            |            |

/ continued on page 5 .....

NOTE: REJECTS RETAINED ONE MONTH PULPS RETAINED THREE MONTHS. ON REQUEST PULPS AND REJECTS WILL BE STORE FOR A MAXIMUM OF ONE YEAR.

ALL REPORTS ARE THE CONFIDENTIAL PROPERTY OF CLIENTS. PUBLICATION OF STATEMENTS CONCLUSION OR EXTRACTS FROM OR REGARDING OUR REPORTS IN NOT PERMITTED WITHOUT OUR WRITTEN APPROVAL. ANY LIABILITY ATTACHED THERETO IS LIMITED TO THE FEE CHARGED.

*B. Pepper*  
B. Pepper

PROVINCIAL ASSAYER

**Analytical and Consulting Chemists, Bulk Cargo Specialists, Surveyors, Inspectors, Samplers, Weighers**

MEMBER: American Society For Testing Materials • The American Oil Chemists Society • Canadian Testing Association  
REFEREE AND OR OFFICIAL CHEMISTS FOR: National Institute of Oilseed Products • The American Oil Chemists' Society  
OFFICIAL WEIGHMASTERS FOR: Vancouver Board Of Trade

**CERTIFICATE OF ANALYSIS**

Date: March 25, 1988

File: 8802-2959



**SGS SUPERVISION SERVICES INC.**

General Testing Laboratories Division

1001 East Pender Street,  
Vancouver, B.C., Canada V6A 1W2  
Telephone: (604) 254-1647  
Telex: 04-507514

TO: N.V.C. ENGINEERING

(page 5)

We hereby certify that the following are the results of assays on: **soil samples**

| MARKED        | GOLD    | SILVER  | xxxxxx | xxxxxxxxxx | xxxxxxxxxx | xxxxxxxxxx | xxxxxxxxxx | xxxxxx |
|---------------|---------|---------|--------|------------|------------|------------|------------|--------|
|               | Au(ppm) | Ag(ppm) |        |            |            |            |            |        |
| <u>L 19E</u>  |         |         |        |            |            |            |            |        |
| 0+50 S        | 0.02    | 1.2     |        |            |            |            |            |        |
| 1+00          | 0.02    | 0.9     |        |            |            |            |            |        |
| 1+50          | 0.02    | 0.9     |        |            |            |            |            |        |
| 2+00          | 0.02    | 0.7     |        |            |            |            |            |        |
| 2+50          | 0.03    | 0.9     |        |            |            |            |            |        |
| 3+00 S        | 0.02    | 0.9     |        |            |            |            |            |        |
| 0+50 N        | 0.02    | 1.4     |        |            |            |            |            |        |
| 1+00          | 0.02    | 0.4     |        |            |            |            |            |        |
| 1+50          | 0.02    | 0.6     |        |            |            |            |            |        |
| 2+00          | 0.02    | 0.7     |        |            |            |            |            |        |
| 2+50          | 0.03    | 0.9     |        |            |            |            |            |        |
| 3+00          | 0.02    | 1.1     |        |            |            |            |            |        |
| 3+50          | 0.02    | 1.6     |        |            |            |            |            |        |
| 4+00 N        | 0.02    | 1.0     |        |            |            |            |            |        |
| <u>L 20 E</u> |         |         |        |            |            |            |            |        |
| 0+50 S        | 0.03    | 1.2     |        |            |            |            |            |        |
| 1+00          | 0.02    | 1.4     |        |            |            |            |            |        |
| 1+50          | 0.02    | 1.4     |        |            |            |            |            |        |
| 2+00          | 0.02    | 1.0     |        |            |            |            |            |        |
| 2+50          | 0.02    | 0.9     |        |            |            |            |            |        |
| 3+00 S        | 0.02    | 0.6     |        |            |            |            |            |        |
| 0+50 N        | 0.02    | 0.9     |        |            |            |            |            |        |
| 1+00          | 0.02    | 1.0     |        |            |            |            |            |        |
| 1+50          | 0.02    | 1.2     |        |            |            |            |            |        |
| 2+00          | 0.02    | 1.4     |        |            |            |            |            |        |
| 2+50          | 0.02    | 1.1     |        |            |            |            |            |        |
| 3+00          | 0.02    | 1.0     |        |            |            |            |            |        |
| 3+50          | 0.02    | 1.4     |        |            |            |            |            |        |
| 4+00 N        | 0.02    | 0.6     |        |            |            |            |            |        |

/ continued on page 6 .....

NOTE: REJECTS RETAINED ONE MONTH. PULPS RETAINED THREE MONTHS. ON REQUEST PULPS AND REJECTS WILL BE STORE FOR A MAXIMUM OF ONE YEAR.

ALL REPORTS ARE THE CONFIDENTIAL PROPERTY OF CLIENTS. PUBLICATION OF STATEMENTS CONCLUSION OR EXTRACTS FROM OR REGARDING OUR REPORTS IS NOT PERMITTED WITHOUT OUR WRITTEN APPROVAL. ANY LIABILITY ATTACHED THERETO IS LIMITED TO THE FEE CHARGED.

*B. Pepper*  
B. Pepper

PROVINCIAL ASSAYER

*Analytical and Consulting Chemists, Bulk Cargo Specialists, Surveyors, Inspectors, Samplers, Weighers*

MEMBER: American Society For Testing Materials • The American Oil Chemists Society • Canadian Testing Association  
REFEREE AND OR OFFICIAL CHEMISTS FOR: National Institute of Oilseed Products • The American Oil Chemists' Society  
OFFICIAL WEIGHMASTERS FOR: Vancouver Board Of Trade

**CERTIFICATE OF ASSAY**

Date: March 25, 1988

File: 8802-2959



**SGS SUPERVISION SERVICES INC.**

General Testing Laboratories Division

1001 East Pender Street,  
Vancouver, B.C., Canada. V6A 1W2  
Telephone: (604) 254-1647  
Telex: 04-507514

TO: N.V.C.ENGINEERING

( page 6 )

We hereby certify that the following are the results of assays on: soil samples

| MARKED        | GOLD     | SILVER  | X | XXXXXX | XXXXXXXXXX | XXXXXXXXXXXX | XXXXXXXXXXXX | XXXXXXXXXXXX | XXXXXXXXXXXX |
|---------------|----------|---------|---|--------|------------|--------------|--------------|--------------|--------------|
|               | Au (ppm) | Ag(ppm) |   |        |            |              |              |              |              |
| <u>L 21 E</u> |          |         |   |        |            |              |              |              |              |
| 0+50 S        | 0.02     | 1.2     |   |        |            |              |              |              |              |
| 1+00          | 0.02     | 0.7     |   |        |            |              |              |              |              |
| 1+50          | 0.02     | 1.4     |   |        |            |              |              |              |              |
| 2+00          | 0.02     | 0.7     |   |        |            |              |              |              |              |
| 2+50          | 0.02     | 1.1     |   |        |            |              |              |              |              |
| 3+00 S        | 0.02     | 1.0     |   |        |            |              |              |              |              |
| 0+50 N        | 0.02     | 0.6     |   |        |            |              |              |              |              |
| 1+00          | 0.02     | 1.2     |   |        |            |              |              |              |              |
| 1+50          | 0.03     | 1.1     |   |        |            |              |              |              |              |
| 2+00          | 0.02     | 0.5     |   |        |            |              |              |              |              |
| 2+50          | 0.02     | 1.5     |   |        |            |              |              |              |              |
| 4+00 N        | 0.03     | 0.4     |   |        |            |              |              |              |              |
| <u>L 22 E</u> |          |         |   |        |            |              |              |              |              |
| 0+50 S        | 0.03     | 1.1     |   |        |            |              |              |              |              |
| 1+00          | 0.02     | 1.0     |   |        |            |              |              |              |              |
| 1+50          | 0.02     | 1.4     |   |        |            |              |              |              |              |
| 2+00          | 0.02     | 1.0     |   |        |            |              |              |              |              |
| 2+50          | 0.02     | 1.4     |   |        |            |              |              |              |              |
| 3+00 S        | 0.02     | 1.2     |   |        |            |              |              |              |              |
| 0+50 N        | 0.03     | 0.6     |   |        |            |              |              |              |              |
| 1+00          | 0.03     | 0.7     |   |        |            |              |              |              |              |
| 1+50          | 0.02     | 1.2     |   |        |            |              |              |              |              |
| 2+00          | 0.02     | 0.7     |   |        |            |              |              |              |              |
| 2+50          | 0.02     | 1.2     |   |        |            |              |              |              |              |
| 3+00          | 0.02     | 0.8     |   |        |            |              |              |              |              |
| 3+50          | 0.03     | 0.5     |   |        |            |              |              |              |              |
| 4+00 N        | 0.02     | 0.8     |   |        |            |              |              |              |              |
| <u>L 23 E</u> |          |         |   |        |            |              |              |              |              |
| 0+50 S        | 0.03     | 0.8     |   |        |            |              |              |              |              |
| 1+00          | 0.02     | 1.2     |   |        |            |              |              |              |              |
| 1+50 S        | 0.02     | 1.1     |   |        |            |              |              |              |              |

/ continued on page 7 .....

NOTE: REJECTS RETAINED ONE MONTH PULPS RETAINED THREE MONTHS. ON REQUEST PULPS AND REJECTS WILL BE STORE FOR A MAXIMUM OF ONE YEAR.

ALL REPORTS ARE THE CONFIDENTIAL PROPERTY OF CLIENTS. PUBLICATION OF STATEMENTS, CONCLUSION OR EXTRACTS FROM OR REGARDING OUR REPORTS IS NOT PERMITTED WITHOUT OUR WRITTEN APPROVAL. ANY LIABILITY ATTACHED THERETO IS LIMITED TO THE FEE CHARGED.

B. Pepper

PROVINCIAL ASSAYER

**Analytical and Consulting Chemists, Bulk Cargo Specialists, Surveyors, Inspectors, Samplers, Weighers**

MEMBER: American Society For Testing Materials • The American Oil Chemists Society • Canadian Testing Association  
 REFEREE AND OR OFFICIAL CHEMISTS FOR: National Institute of Oilseed Products • The American Oil Chemists' Society  
 OFFICIAL WEIGHMASTERS FOR: Vancouver Board Of Trade

**CERTIFICATE OF ASSAY**

Date: March 25, 1988

File: 8802-2959



**SGS SUPERVISION SERVICES INC.**

General Testing Laboratories Division

1001 East Pender Street,  
Vancouver, B.C., Canada. V6A 1W2  
Telephone: (604) 254-1647  
Telex: 04-507514

TO: N.V.C. ENGINEERING

( page 7 )

We hereby certify that the following are the results of assays on: soil samples

| MARKED        | GOLD     | SILVER  | XXXXXXXX | XXXXXXXXXX | XXXXXXXXXX | XXXXXXXXXX | XXXXXXXXXX | XXXXXXXXXX | XXXXXXXXXX |
|---------------|----------|---------|----------|------------|------------|------------|------------|------------|------------|
|               | Au (ppm) | Ag(ppm) |          |            |            |            |            |            |            |
| <u>L 23 E</u> |          |         |          |            |            |            |            |            |            |
| 2+00 S        | 0.02     | 0.9     |          |            |            |            |            |            |            |
| 2+70 S        | 0.02     | 0.8     |          |            |            |            |            |            |            |
| 0+50 N        | 0.02     | 0.7     |          |            |            |            |            |            |            |
| 1+00          | 0.02     | 1.3     |          |            |            |            |            |            |            |
| 1+50          | 0.02     | 1.2     |          |            |            |            |            |            |            |
| 2+00          | 0.02     | 1.1     |          |            |            |            |            |            |            |
| 2+50          | 0.02     | 1.0     |          |            |            |            |            |            |            |
| 3+00          | 0.02     | 0.8     |          |            |            |            |            |            |            |
| 3+50          | 0.02     | 0.8     |          |            |            |            |            |            |            |
| 4+00 N        | 0.03     | 1.3     |          |            |            |            |            |            |            |
| <u>L 24 E</u> |          |         |          |            |            |            |            |            |            |
| 0+50 S        | 0.02     | 1.0     |          |            |            |            |            |            |            |
| 1+00          | 0.02     | 0.5     |          |            |            |            |            |            |            |
| 1+50          | 0.02     | 0.4     |          |            |            |            |            |            |            |
| 2+00          | 0.02     | 0.4     |          |            |            |            |            |            |            |
| 2+50          | 0.02     | 0.7     |          |            |            |            |            |            |            |
| 3+00 S        | 0.02     | 0.9     |          |            |            |            |            |            |            |
| 0+50 N        | 0.02     | 0.6     |          |            |            |            |            |            |            |
| 1+00          | 0.02     | 0.7     |          |            |            |            |            |            |            |
| 1+50          | 0.05     | 0.8     |          |            |            |            |            |            |            |
| 2+00          | 0.02     | 0.3     |          |            |            |            |            |            |            |
| 2+50          | 0.02     | 0.6     |          |            |            |            |            |            |            |
| 3+00          | 0.02     | 1.4     |          |            |            |            |            |            |            |
| 3+50          | 0.02     | 0.5     |          |            |            |            |            |            |            |
| 4+00 N        | 0.02     | 0.9     |          |            |            |            |            |            |            |

NOTE: REJECTS RETAINED ONE MONTH. PULPS RETAINED THREE MONTHS. ON REQUEST PULPS AND REJECTS WILL BE STORE FOR A MAXIMUM OF ONE YEAR.

ALL REPORTS ARE THE CONFIDENTIAL PROPERTY OF CLIENTS. PUBLICATION OF STATEMENTS, CONCLUSION OR EXTRACTS FROM OR REGARDING OUR REPORTS IN NOT PERMITTED WITHOUT OUR WRITTEN APPROVAL. ANY LIABILITY ATTACHED THERETO IS LIMITED TO THE FEE CHARGED.

*B. Pepper*  
B. Pepper

PROVINCIAL ASSAYER

**Analytical and Consulting Chemists, Bulk Cargo Specialists, Surveyors, Inspectors, Samplers, Weighers**

MEMBER: American Society For Testing Materials • The American Oil Chemists Society • Canadian Testing Association  
REFEREE AND OR OFFICIAL CHEMISTS FOR: National Institute of Oilseed Products • The American Oil Chemists' Society  
OFFICIAL WEIGHMASTERS FOR: Vancouver Board Of Trade

**CERTIFICATE OF ASSAY**

Date: April 5, 1988

File: 8803-3053



**SGS SUPERVISION SERVICES INC.**  
General Testing Laboratories Division

1001 East Pender Street,  
Vancouver, B.C., Canada. V6A 1W2  
Telephone: (604) 254-1647  
Telex: 04-507514

TO: N.V.C. ENGINEERING LTD.  
Ste. 304 - 1720 Barclay Street  
Vancouver, B.C.  
V6G 2Y1

We hereby certify that the following are the results of assays on: **Ore**

| MARKED | GOLD  | SILVER | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX |  |  |  |  |
|--------|-------|--------|------------------------------------------------------|--|--|--|--|
|        | oz/st | oz/st  |                                                      |  |  |  |  |
| LUSTY  |       |        |                                                      |  |  |  |  |
| 001    | 0.012 | 0.30   |                                                      |  |  |  |  |
| 002    | 0.006 | 0.17   |                                                      |  |  |  |  |
| 003    | 0.012 | 0.34   |                                                      |  |  |  |  |
| 004    | 0.004 | 0.22   |                                                      |  |  |  |  |
| 005    | 0.006 | 0.11   |                                                      |  |  |  |  |
| 006    | 0.006 | 0.23   |                                                      |  |  |  |  |

NOTE: REJECTS RETAINED ONE MONTH PULPS RETAINED THREE MONTHS. ON REQUEST PULPS AND REJECTS WILL BE STORE FOR A MAXIMUM OF ONE YEAR.

ALL REPORTS ARE THE CONFIDENTIAL PROPERTY OF CLIENTS. PUBLICATION OF STATEMENTS, CONCLUSION OR EXTRACTS FROM OR REGARDING OUR REPORTS IN NOT PERMITTED WITHOUT OUR WRITTEN APPROVAL. ANY LIABILITY ATTACHED THERETO IS LIMITED TO THE FEE CHARGED.

*B. Pepper*  
B. Pepper

PROVINCIAL ASSAYER

*Analytical and Consulting Chemists, Bulk Cargo Specialists, Surveyors, Inspectors, Samplers, Weighers*

MEMBER: American Society For Testing Materials • The American Oil Chemists Society • Canadian Testing Association  
REFEREE AND OR OFFICIAL CHEMISTS FOR: National Institute of Oilseed Products • The American Oil Chemists' Society  
OFFICIAL WEIGHMASTERS FOR: Vancouver Board Of Trade

**CERTIFICATE OF ANALYSIS**

Date: April 7, 1988

File: 8804-0552



**SGS SUPERVISION SERVICES INC.**

General Testing Laboratories Division

1001 East Pender Street,  
Vancouver, B.C., Canada V6A 1W2  
Telephone: (604) 254-1647  
Telex: 04-507514

TO: N.V.C. ENGINEERING LTD.  
Ste. 304 - 1720 Barclay Street  
Vancouver, B.C.  
V6G 2Y1

We hereby certify that the following are the results of assays on: **Ore**

| MARKED            | GOLD  | SILVER | XXXXXXXX | XXXXXXXXXX | XXXXXXXXXX | XXXXXXXXXX | XXXXXXXXXX | XXXXXXXXXX |
|-------------------|-------|--------|----------|------------|------------|------------|------------|------------|
|                   | oz/st | oz/st  |          |            |            |            |            |            |
| <u>JWLV</u> 20578 |       |        |          |            |            |            |            |            |
| 007               | 0.003 | 0.14   |          |            |            |            |            |            |
| 008               | 0.002 | 0.20   |          |            |            |            |            |            |
| 009               | 0.002 | 0.13   |          |            |            |            |            |            |
| 011 (red tag)     | 0.003 | 0.16   |          |            |            |            |            |            |
| 011 (green tag)   | 0.002 | 0.22   |          |            |            |            |            |            |
| 012               | 0.002 | 0.18   |          |            |            |            |            |            |
| 013               | 0.003 | 0.28   |          |            |            |            |            |            |
| 014               | 0.003 | 0.19   |          |            |            |            |            |            |
| 015               | 0.005 | 0.16   |          |            |            |            |            |            |
| 016               | 0.003 | 0.20   |          |            |            |            |            |            |
| 017               | 0.008 | 0.10   |          |            |            |            |            |            |
| 018               | 0.002 | 0.10   |          |            |            |            |            |            |

NOTE: REJECTS RETAINED ONE MONTH. PULPS RETAINED THREE MONTHS. ON REQUEST PULPS AND REJECTS WILL BE STORED FOR A MAXIMUM OF ONE YEAR.

ALL REPORTS ARE THE CONFIDENTIAL PROPERTY OF CLIENTS. PUBLICATION OF STATEMENTS, CONCLUSIONS OR EXTRACTS FROM OR REGARDING OUR REPORTS IS NOT PERMITTED WITHOUT OUR WRITTEN APPROVAL. ANY LIABILITY ATTACHED THERETO IS LIMITED TO THE FEE CHARGED.

*L. Wong*  
L. Wong

PROVINCIAL ASSAYER

*Analytical and Consulting Chemists, Bulk Cargo Specialists, Surveyors, Inspectors, Samplers, Weighers*

MEMBER: American Society For Testing Materials • The American Oil Chemists Society • Canadian Testing Association  
REFEREE AND/OR OFFICIAL CHEMISTS FOR: National Institute of Oilseed Products • The American Oil Chemists' Society  
OFFICIAL WEIGHMASTERS FOR: Vancouver Board Of Trade