

Geochemical and Geophysical Reconnaissance
Exploration in the Eastern Portion of the

LOG NO: 0303	RD.
ACTION:	
96 pp.	
FILE NO:	

NOV Claim Group

Cariboo Mining Division
Likely Area, B.C.

NOV 1 (1355) NOV 2 (1356)
 NOV 3 (1357) SUN Fr. (5106)
 Latitude: 52° 38' N
 Longitude: 121° 29' W
 NTS Number: 93 A/11 & /12

Owner:

W.H. GRAYSON
622 - 837 W. Hastings Street
Vancouver, B.C. V6C 1B6

Operator:

MALCOLM RESOURCES LTD.
1550 - 609 Granville Street
Vancouver, B.C. V7Y 1C6

By:

Stuart A.S. Croft, P.Eng.
NEVIN SADLIER-BROWN GOODBRAND LTD.

Dated:

26 February 1988

GEOLOGICAL BRANCH
ASSESSMENT REPORT

17,103

SUB-RECORDER RECEIVED	
MAR 1 1988	
M.R. #	\$
VANCOUVER, B.C.	

SUMMARY

Malcolm Resources Ltd. holds, by way of an option agreement, the NOV mineral claim group, situated 7 km northeast of Likely, in B.C.'s central Cariboo. The four contiguous claims comprising 57 metric units are located on the lower 2 km of Spanish Creek near its junction with the Cariboo River. In addition to extensive historic and active placer gold mining in the immediate vicinity of the NOV group, limited development of several auriferous quartz vein exposures has been recorded.

Mineral exploration activity in the Likely region was spurred to record levels in the early 1980's by a coincident release of the B.C. government's Regional Geochemistry Survey results, and discovery of gold at Dome Minerals (Placer Dome's) QR deposit 20 km west of the NOV group. Intensive exploration activity has subsequently resulted in gold discoveries at the Frasergold and CPW prospects, 70 and 5 km southeast of the NOV property respectively.

The NOV claims are underlain predominantly by rocks of an unnamed black phyllite unit which forms the basal sequence of the Quesnel terrane - a belt of volcanic rocks formed by intensive activity in an island arc environment during the upper Triassic. Characteristically, the dark-grey graphitic phyllite is complexly deformed, and, particularly near the top of the sequence, contains numerous tuffaceous sedimentary horizons.

Trenching conducted on the NOV property has exposed several major northwesterly trending phyllite-hosted quartz vein structures. Pyrite, galena and gold mineralization is commonly associated with the altered

calc-silicate selevage contained within these veins. An assay of 0.818 oz Au/ton obtained by the author helps to corroborate earlier reports of grades as high as 1.84 oz/ton from veins exposed in Spanish Creek.

Soil sampling on a grid installed on the eastern portion of the claim group has identified four distinct areas characterized by coincident anomalies in gold pathfinder elements silver, lead, zinc and strontium. While thick overburden and a complex Quaternary history complicate interpretation of the geochemical results, the data supports a southeastward extension of the auriferous quartz vein structure from exposures in "Spanish Canyon". A series of weak but distinctive conductors identified by a VLF-EM survey further corroborate the presence of a southeasterly trending mineralized quartz vein structure.

Based on data obtained during the course of both recent and earlier work, exploration should proceed on the NOV claim group with the objective of identifying a Frasersgold-type phyllite hosted precious metal deposit.

TABLE OF CONTENTS

	<u>Page</u>
SUMMARY	i /
Table of Contents	iii /
1. INTRODUCTION	1 /
1.1 Terms of Reference	1 /
1.2 Location and Access	1 /
1.3 Property Description	4 /
1.4 Physiographic Features	5 /
1.5 History	6 /
1.6 Previous Work on the NOV Claims	8 /
1.7 1987 Exploration Summary	8 /
2. GEOLOGY	11 /
2.1 Regional Geology	11 /
2.2 Property Geology	13 /
3. SURVEY RESULTS AND DISCUSSION	16 /
3.1 Geological Reconnaissance and Trenching	16 /
3.2 Geochemical Survey	20 /
3.3 Geophysical Survey	24 /
4. CONCLUSIONS	25 /
REFERENCES	After Text /
APPENDIX A - Certificate and Statement of Qualifications	After Text /
APPENDIX B - Itemized Statement of Costs	" ✓
APPENDIX C - Analysis Certificates	" ✓
APPENDIX D - VLF-EM Survey, NOV Claim Group	" ✓

LIST OF FIGURES

Figure 1 - Location Map	2 /
Figure 2 - Claim Map	3 /
Figure 3 - Regional Geology	11 /
Figure 4 - Property Geology	13 /
Figure 5 - Spanish Canyon - Trenching and Sampling Detail	19 /
Figure 6 - Summary Geochemical Map - Gold	After text /
Figure 7 - Summary Geochemical Map - Silver	" /
Figure 8 - Summary Geochemical Map - Lead	" /
Figure 9 - Summary Geochemical Map - Strontium	" /
Figure 10 - Summary Geochemical Map - Zinc	" /
Figure D-1 - VLF -EM Survey; Stacked Profile Map (Annapolis)	" /
Figure D-2 - VLF -EM Survey; Stacked Profile Map (Seattle) . .	" /

1.0 INTRODUCTION

1.1 Terms of Reference

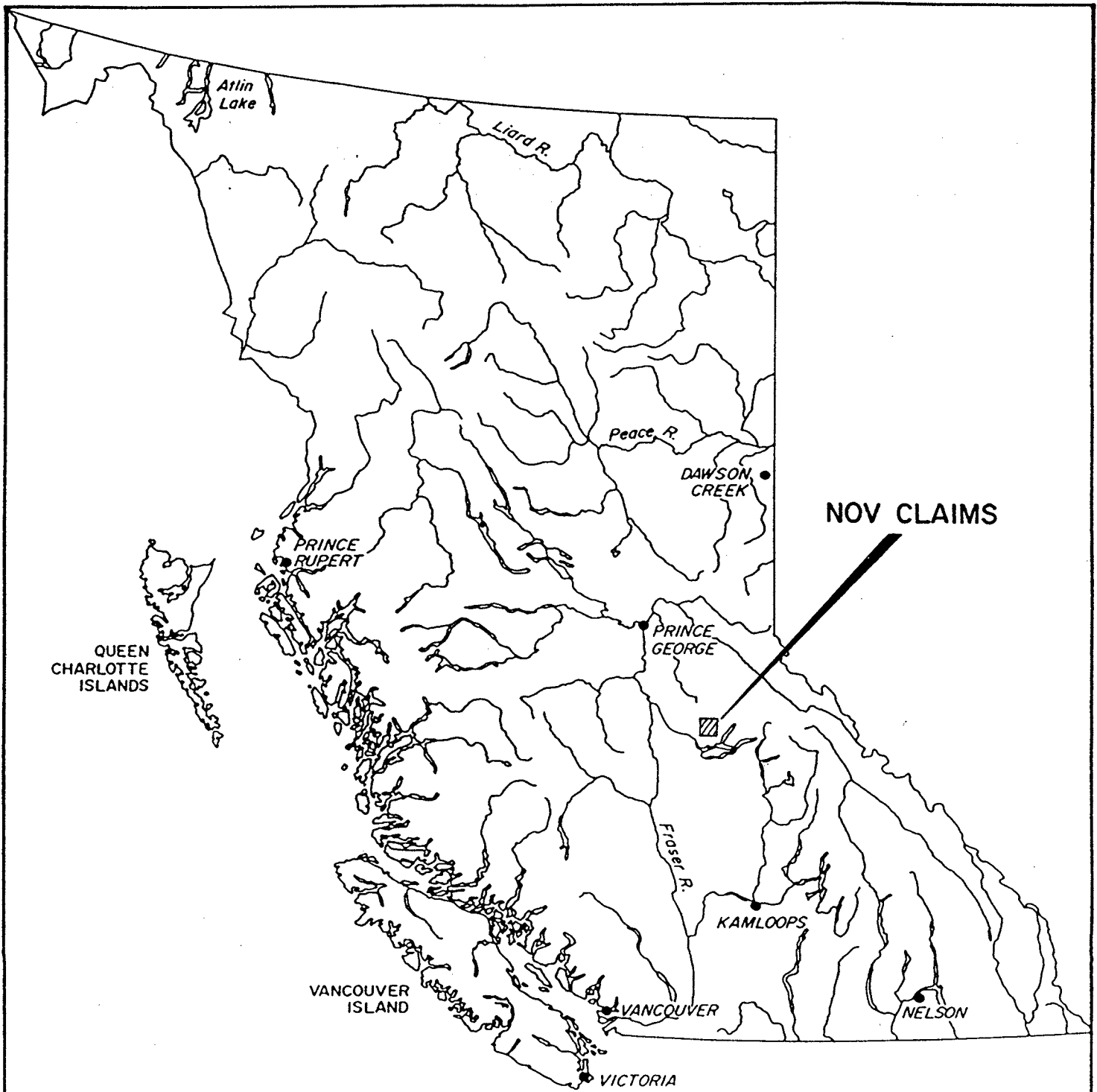
This report on the NOV Claim Group was prepared by Nevin Sadlier-Brown Goodbrand Ltd., Consulting Geologists and Engineers (NSBG), at the request of the management of Malcolm Resources Ltd. It is based primarily on information obtained during the course of an exploration program conducted by NSBG, a review of literature reporting previous work on the property, and upon research of available publications on the region.

The report is intended to provide a description of the NOV Claim Group and to summarize recent exploration undertaken by Malcolm Resources during July to September, 1987.

1.2 Location and Access

The NOV Claim Group is situated 7 km northeast of Likely, in central B.C. (Figure 1). The claims comprise an area of approximately 1400 ha covering the lower 2 km of Spanish Creek near its junction with Cariboo River (Figure 2). The claims are located at latitude 52° 38'N and longitude 121° 29'W (NTS Mapsheets 93A/11 and /12) within the Cariboo Mining Division.

Likely is situated approximately 95 km by paved highway northeast of Williams Lake, the nearest major supply centre. From Likely, an all-weather road leading to Keithly Creek traverses the NOV 3 claim approximately 1 km after the bridge crossing the Cariboo River. Access to the remainder of the claim group is readily afforded by way of an extensive network of well maintained forestry roads. A number of roads suitable only for four-wheel drive vehicles, and bulldozer access trails have been constructed during the course of exploration on the claims.



NOV CLAIMS

QUEEN CHARLOTTE ISLANDS

VANCOUVER ISLAND

MALCOLM RESOURCES LTD.

**NOV CLAIMS
LOCATION MAP**

SPANISH CREEK, LIKELY AREA

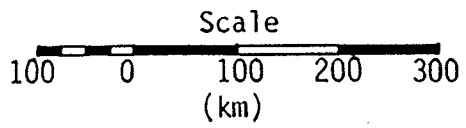
N.T.S. 93A/11,12

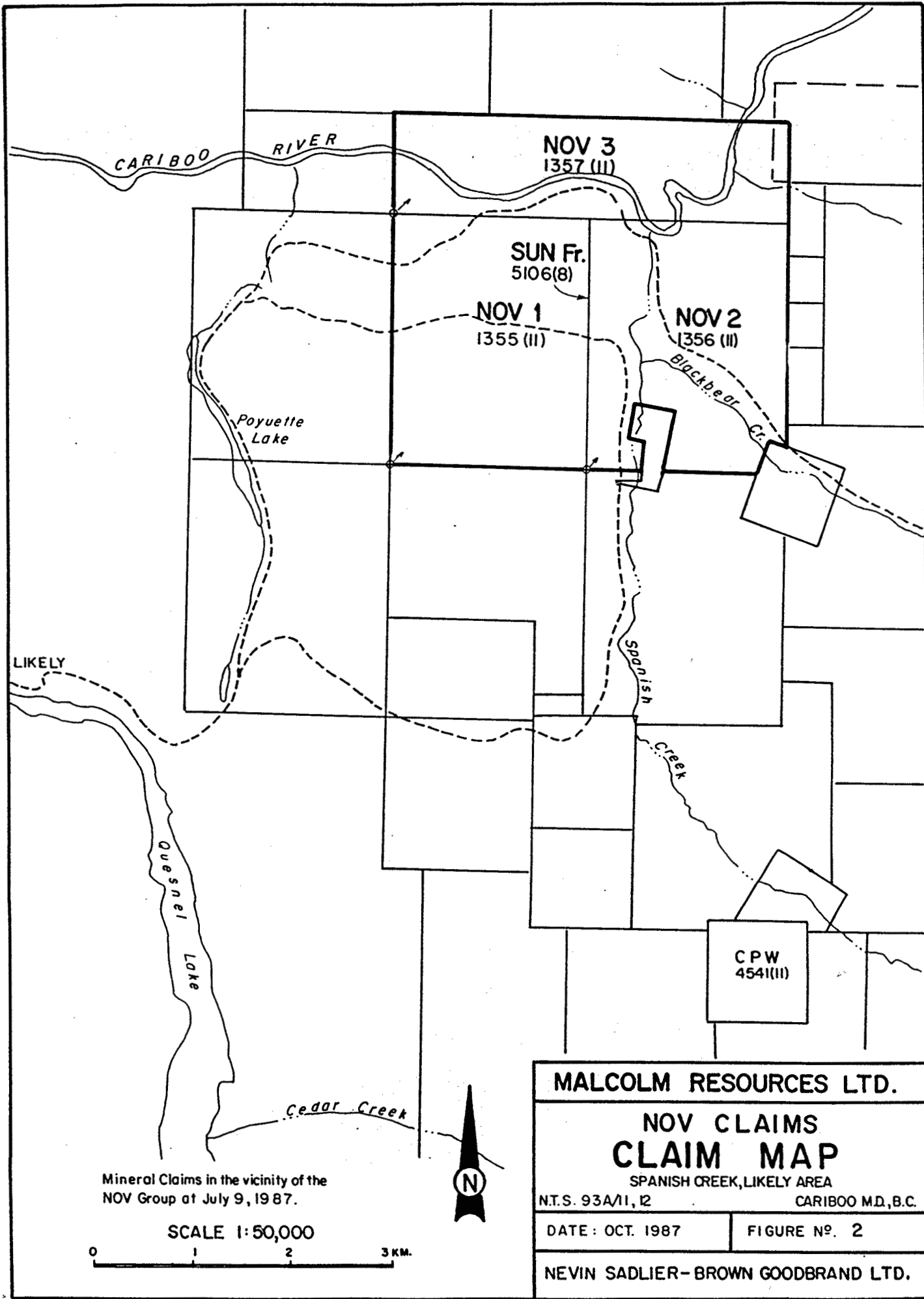
CARIBOO M.D., B.C.

DATE: OCT. 1987

FIGURE No. 1

NEVIN SADLIER-BROWN GOODBRAND LTD.





Mineral Claims in the vicinity of the NOV Group at July 9, 1987.

SCALE 1:50,000

0 1 2 3 KM.



MALCOLM RESOURCES LTD.

**NOV CLAIMS
CLAIM MAP**

SPANISH CREEK, LIKELY AREA

N.T.S. 93A/11, 12

CARIBOO M.D., B.C.

DATE: OCT. 1987

FIGURE NO. 2

NEVIN SADLIER-BROWN GOODBRAND LTD.

1.3 Property Description

By way of an Option Agreement dated 7 July 1987, Malcolm Resources Ltd. has obtained the exclusive right to acquire an undivided 100% interest in the NOV Claim Group. The property consists of 4 contiguous metric mineral claims staked under the modified grid system, as follows:

Claim Name	Units	Record No.	Expiry Date	Owner of Record
NOV 1	20	1355(11)	29 November 1987	W.H. Greyson
NOV 2	20	1356(11)	"	"
NOV 3	16	1357(11)	"	"
SUN Fraction <u>1</u>		5106(8)	25 August 1988	"

TOTAL 57 units

During the course of the property examination, the author inspected the NOV 3 legal corner post. Claim lines flagged and blazed some seven years earlier remain clearly visible, corroborating earlier observations made by MacLeod, (1982). In the writer's opinion, the claims were staked in a manner consistent with the B.C. Mineral Act regulations.

The SUN Fraction was staked three years subsequent to the location of the NOV claims when Apex Energy Corp., owners of the claims at the time, identified a 35 m gap between the NOV 1 and NOV 2 claims. The properties have been grouped under the name "NOV". Much of the NOV mineral claims area has also been staked under the Placer Mining Act.

1.4 Physiographic Features

The NOV claim group is situated on the western flanks of the Quesnel Highland in B.C.'s central Cariboo. The region is characterized by numerous large lakes, such as Horsefly, Quesnel, and Cariboo, occupying elongate valley structures formed within the mountainous Highland terrain. The Cariboo and Quesnel Rivers generally follow the Quesnel trough, draining northwestward towards the Fraser River.

Elevations on the NOV claims range from 715 m (2450') in the valley on the northwest corner of the Group to 1160 m (3800') on a height of land central to the NOV 2 claim. The Cariboo River divides the northern portion of the property, cutting through tens of meters of fluvial and glaciofluvial gravels that form its steep left bank. Atop the ancient river terraces, topographic relief on the claims is generally subdued, with slopes seldom exceeding 5°. However, Spanish Creek and its major tributary, Blackbear Creek, have deeply incised the eastern portion of the property, forming steep canyon walls in both bedrock and Quaternary sediments.

Its location with respect to the Quesnel Highland has produced a moderated interior climate in the Likely area. Summers tend to be warm and reasonably dry, although heavy rainfall can be expected occasionally. Winters are cold and, particularly at higher elevations, a snowpack of 1 to 2 m should be anticipated.

Where forested, vegetation on the property consists primarily of mature fir and spruce with moderate to thick undergrowth. Deciduous forest, and perennial shrubs and flowers typify ground cover in the logged or placer mined areas which comprise approximately half of the surface of the claims. Overburden several meters deep in some locations mantles

- 6 -

much of the property. With the exception of outcrop in Spanish and Blackbear Creek canyons, bedrock exposure on the NOV claims is sparse.

A thriving mining and mineral exploration infrastructure in the Cariboo region has been re-established as a result of record levels of activity in the area. The NOV claims are well serviced by industrial roads, and the local availability of labour, heavy equipment and transportation is excellent.

1.5 History

The Cariboo district has been pivotal in the development of British Columbia's mining industry since the discovery of placer gold along Quesnel River and its tributaries nearly 130 years ago. Placer mining activity in the region is highlighted by the Bullion Mine, situated 4 km west of Likely. Hydraulic mining of the buried valley fill occurred principally between 1894 and 1905 (producing about 60,000 oz of gold) and sporadically since that time (Clague, 1987). Remnants of an old dam and flume system attest to the hydraulic sluicing operations once conducted on Spanish Creek, and extensive historic and active placer workings are present in the vicinity of the NOV claims.

Despite a rich placer gold mining history, no significant lode gold production has been recorded from the Likely area. Early exploration for lode gold deposits on the NOV group is documented in various B.C. Ministry of Mines' reports. Bowman (1887) describes a vein on Spanish Creek from 5' to 7' in width containing galena in streaks about 1" wide, near the outlet of Blackbear Creek. No results appear to have been published of subsequent work on the Spanish Creek veins although two short (3 to 5 m) adits were developed in the area, and remain

- 7 -

accessible to present. Bowman also describes numerous large quartz-vein occurrences along Cariboo River, including the "Stephenson Ledge". In reference to work on the Sunshine Group in the 1933 B.C. Ministry of Mines Annual Report, the quartz vein is described as exposed over approximately 12 feet in width striking northwesterly, with good, but ambiguous gold grades recorded.

Current Activity

Bedrock exploration in the Quesnel Lake area intensified in the late 1960's when much of the region was staked during the "porphyry copper boom". The Cariboo Bell deposit at Boot Jack Lake, 15 km southwest of Likely, was the focus of much of this activity. Exploration dwindled until, in 1980, Dome Explorations began drilling on their QR Claim Group situated on the Quesnel River, 16 km northwest of Likely. Activity further intensified in 1981 following release of results of the B.C. Geology Branch's 1980 Regional Geochemical Survey. Most of the claims that currently surround the NOV property were staked at that time.

In October 1983, gold bearing zones were obtained in the drilling of Eureka Resources' Frasergold project, situated approximately 70 km southeast of the NOV claim group. Here, gold mineralization is associated with pyrite, pyrrhotite and chalcopyrite, and occurs as disseminations in the black graphitic phyllite and in quartz veins. Approximately 5 km south of the NOV group, recent work on the CPW Claim has identified significant gold mineralization within phyllite-hosted quartz veins and shears within grey knotted phyllites.

1.6 Previous Work on the NOV Claims

"Modern" exploration work on the NOV property began in 1980 with a prospecting program conducted by R.E. Mickle, and in 1981, with airborne magnetometer and VLF-EM survey of the claim group (Shell Drake, 1981). Diamond drillhole DDH 82-1, a vertical AQ hole was collared in phyllites on the edge of Spanish Creek canyon and was drilled towards the "Upper Adit", though no significant results were reported.

A comprehensive exploration program began in 1983 when the property was optioned to Apex Energy Ltd. Over the course of two years, Apex conducted a geochemical survey, and ground magnetometer, VLF-EM, and IP geophysical surveys which blanketed the southwestern portion of the claim block. In 1985, Apex relinquished their option on the NOV claims.

Prospecting and backhoe trenching since 1985 has focussed primarily on the Spanish Canyon showings and has successfully identified potentially significant gold-bearing quartz vein and shear structures. A program of trenching and drilling recommended by DeLeen (1984) on the basis of results collected by Apex has yet to be conducted.

1.7 1987 Exploration Summary

Survey Rationale

Re-interpretation of geochemical data derived from the earlier work identified a strong, northwesterly trending zone of soils anomalous in

gold. To evaluate the hypothesis that the zone was an extension to the auriferous quartz vein system identified in Spanish Canyon, the recent work program was designed to test the areas both southeast and northwest of these showings.

1987 Program Description

Survey control was established by the installation of a 14 km grid on the northeast portions of the NOV 1 and 2 claims. The grid was designed as an extension to an existing grid installed by Apex, and was placed to facilitate correlation with earlier results. Thirteen northeasterly oriented lines were turned-off perpendicularly to a compassed/tight-chained baseline (run at a bearing of 140°) at 200 m intervals. Crosslines were surveyed using compass and hip chain, and stations flagged at 10 m intervals.

Once established, ground magnetometer and VLF-EM geophysical surveys, and a geochemical survey were conducted on the control grid. An orientation survey was conducted over a small portion of the old grid to provide a comparison between the different surveys. Reconnaissance geological mapping was conducted in order to determine the extent of outcrop exposure in this area of the claims. In total, 580 soil samples were collected and 12.4 line-km of VLF-EM data obtained at 10 m intervals. One 9.5 km line of magnetometer data were collected for orientation purposes.

A small scale backhoe trenching and road restoration program was conducted at three sites on the property (Figure 4). Most of the program was conducted at Spanish Canyon where several trenches and pits were dug to investigate reports of gold+galena+pyrite bearing quartz

- 10 -

veins in this area. Twenty-one rock samples were assayed as a result of sampling in conjunction with the trenching and mapping program. In order to assess a variety of sampling techniques, a 620 m contour sample line (collection of 18 soil and 5 rock chip samples along a line maintaining the same topographic elevation) was also run in this vicinity.

2.0 GEOLOGY

2.1 Regional Geology

The NOV Claim Group is situated within the eastern fringes of the Quesnel terrane, described by Panteleyev (1987) as;

an allochthonous belt of predominantly Upper Triassic-Lower Jurassic basic to intermediate volcanic rocks that lies along the eastern margin of the Intermontane Belt. Quesnel terrane can be followed as a disrupted but nearly continuous narrow belt, from the southern to northern provincial boundaries.

A basal sequence of unnamed black phyllites underlies the Quesnel belt volcanic rocks, forming a linear band adjacent to the boundary of the Intermontane Belt and the Omineca Belt farther to the east (Campbell, 1978). Extensive distribution of basic to intermediate volcanic rocks throughout the Cordillera is generally attributed to intensive volcanic activity within an island arc environment during the upper Triassic.

In the Quesnel Lake map-area, the north-northwesterly trending Quesnel belt (once commonly referred to as the Quesnel trough) is approximately 60 km in width. The Eureka thrust separates the Quesnel terrane from the Precambrian to Paleozoic rocks of the Omineca belt to the east; the Pinchi Fault system forms the western boundary with Paleozoic rocks of the Cache Creek terrane.

Significant economic copper-gold and gold mineralization has been identified within rocks of Quesnel terrane in the Cariboo region. Altered volcanic rocks proximal to small intrusive stocks or

LEGEND

QUATERNARY

- PLEISTOCENE AND RECENT
 12 Glacial deposits and recent alluvium; till, gravel, sand, and silt

TERTIARY

- MIOGENE AND/OR PLIOCENE
 11 Basalt; minor tuff, conglomerate, and sandstone

PALEOCENE AND/OR EOCENE

- 10 Brown and buff rusty weathering dacite and rhyolite

PALEOCENE (?) TO PLIOCENE (?)

- 9 Sandstone, shale, and tuff

JURASSIC AND (?) CRETACEOUS

- MIDDLE JURASSIC (?) TO CRETACEOUS (?)
 8 Green andesitic tuff, agglomerate, and flows; minor argillite, chert, and conglomerate

JURASSIC

- MIDDLE AND/OR UPPER JURASSIC
 7 Dark green andesitic agglomerate, breccia, and flows; minor tuff; may be equivalent to unit 6

- 6 Green andesitic agglomerate, breccia, and flows; minor tuff, argillite, and limestone; may be equivalent to unit 7

LOWER JURASSIC (?)

- 5a, purplish brown, brown, and grey pebble and cobble conglomerate and sandstone; minor shale; 5b, soft, friable, black and brown, carbonaceous shale

LOWER JURASSIC

- 4 'Purple' volcanic rocks; purplish brown, dark grey, and rarely green andesitic agglomerate, breccia, and flows; near contact with 3 may contain analcite; minor limestone argillite, and conglomerate

TRIASSIC AND (?) JURASSIC

- UPPER TRIASSIC AND (?) LOWER JURASSIC
 3 Pebble and cobble conglomerate, sandstone, limestone, and argillite; minor volcanic rocks

PERMIAN AND (?) EARLIER

- CACHE CREEK GROUP
 2a, dark and light grey, finely crystalline, massive limestone; 2b, chert, argillite, and greenstone; minor limestone

CAMBRIAN AND/OR LATER

- CARIBOO GROUP
 1 Argillite, quartzite, slate, and phyllite; minor limy rocks

AGE UNCERTAIN

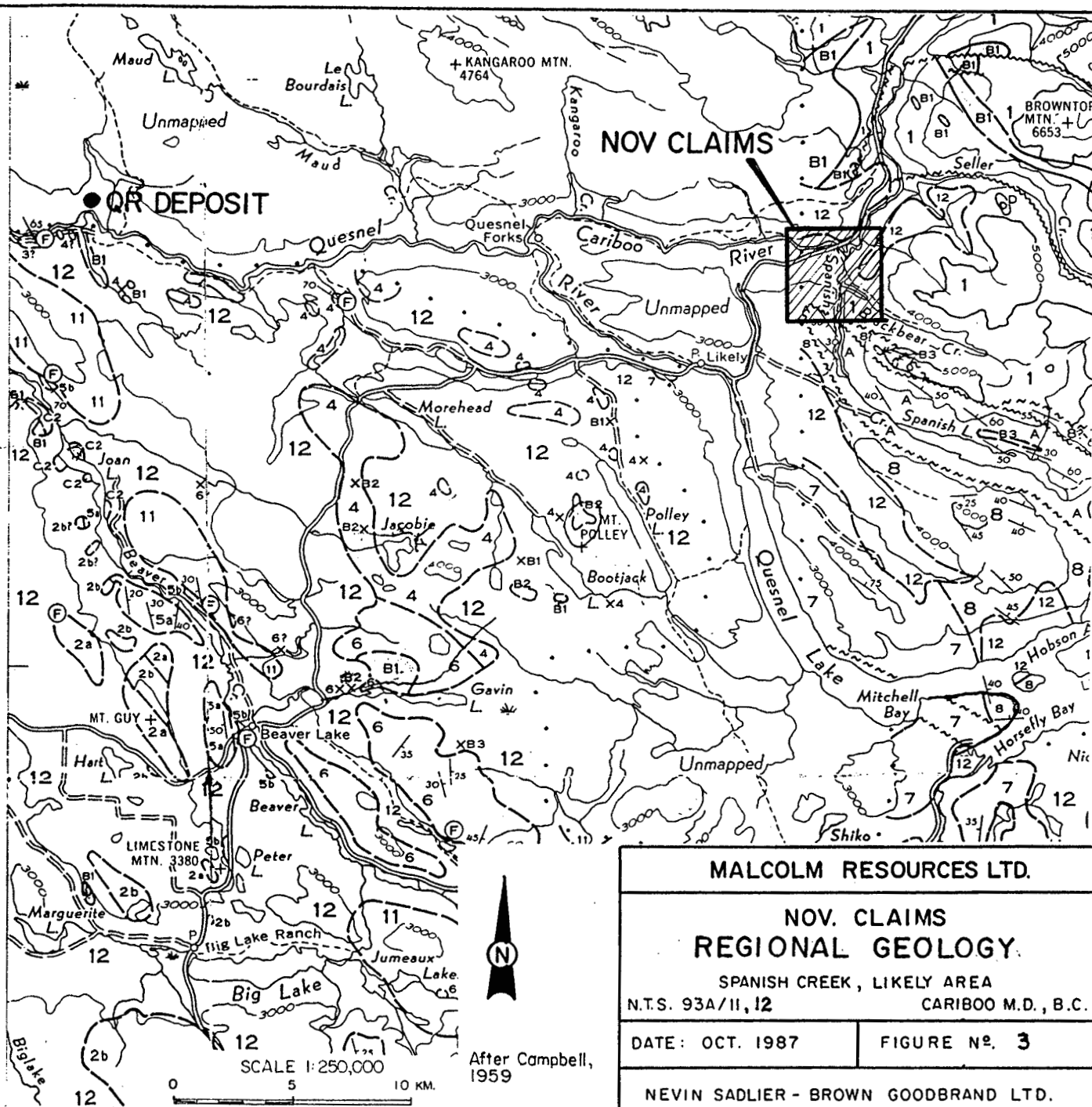
- A Slate and argillite; minor volcanic rocks and tuff; shows similarities to both units 1 and 8

INTRUSIVE ROCKS

- B1, granite, granodiorite, and quartz-diorite; B2, syenite and monzonite; B3, diorite

- C1, trachyte porphyry; may be volcanic; C2, andesite and fine-grained diorite; may all or in part be volcanic

- D Serpentinite; serpentinized ultramafic rocks



MALCOLM RESOURCES LTD.

NOV. CLAIMS
 REGIONAL GEOLOGY

SPANISH CREEK, LIKELY AREA
 N.T.S. 93A/11, 12 CARIBOO M.D., B.C.

DATE: OCT. 1987

FIGURE NO. 3

NEVIN SADLER - BROWN GOODBRAND LTD.

intrusive-extrusive breccia zones (QR deposit), and distinctive phyllitic horizons within the basal sequence containing both disseminated gold and auriferous quartz vein systems (Frasergold deposit) have proven to be attractive exploration targets within the area. Some of the placer gold deposits in the region may have been released during a lengthy period of Tertiary weathering and denudation of Quesnel terrane rocks.

2.2 Property Geology

Most of the NOV Claim Group is underlain by the sequence of unnamed "Black Phyllites" (described by Bloodgood, 1987) which comprise the basal unit of the Quesnel belt. The knotted graphitic phyllite which predominates much of the sequence exposed on the property includes numerous bands of quartz sandstone or possibly tuff horizons ranging in width from 40 cm to 3 m in thickness. Particularly in the vicinity of the Spanish Canyon showings, the phyllite is sooty, is characterized by a strong graphitic foliation, and commonly contains 1 to 3 mm porphyroblasts of completely weathered iron oxides. Pyrite cubes up to 2 cm in width have been observed within some sections of the sequence.

Complex deformation of the phyllite package is evidenced by extensive small-scale (1 to 3 mm) crenulations, a warping of bedding, and discordant bedding relations across numerous small fault zones. A southeasterly trend characterizes the strike of graphitic foliation planes although the dip is extremely variable.

The southwestern portion of the claim group is mapped as being underlain by volcanic rocks of the Quesnel terrane (Campbell, 1978),

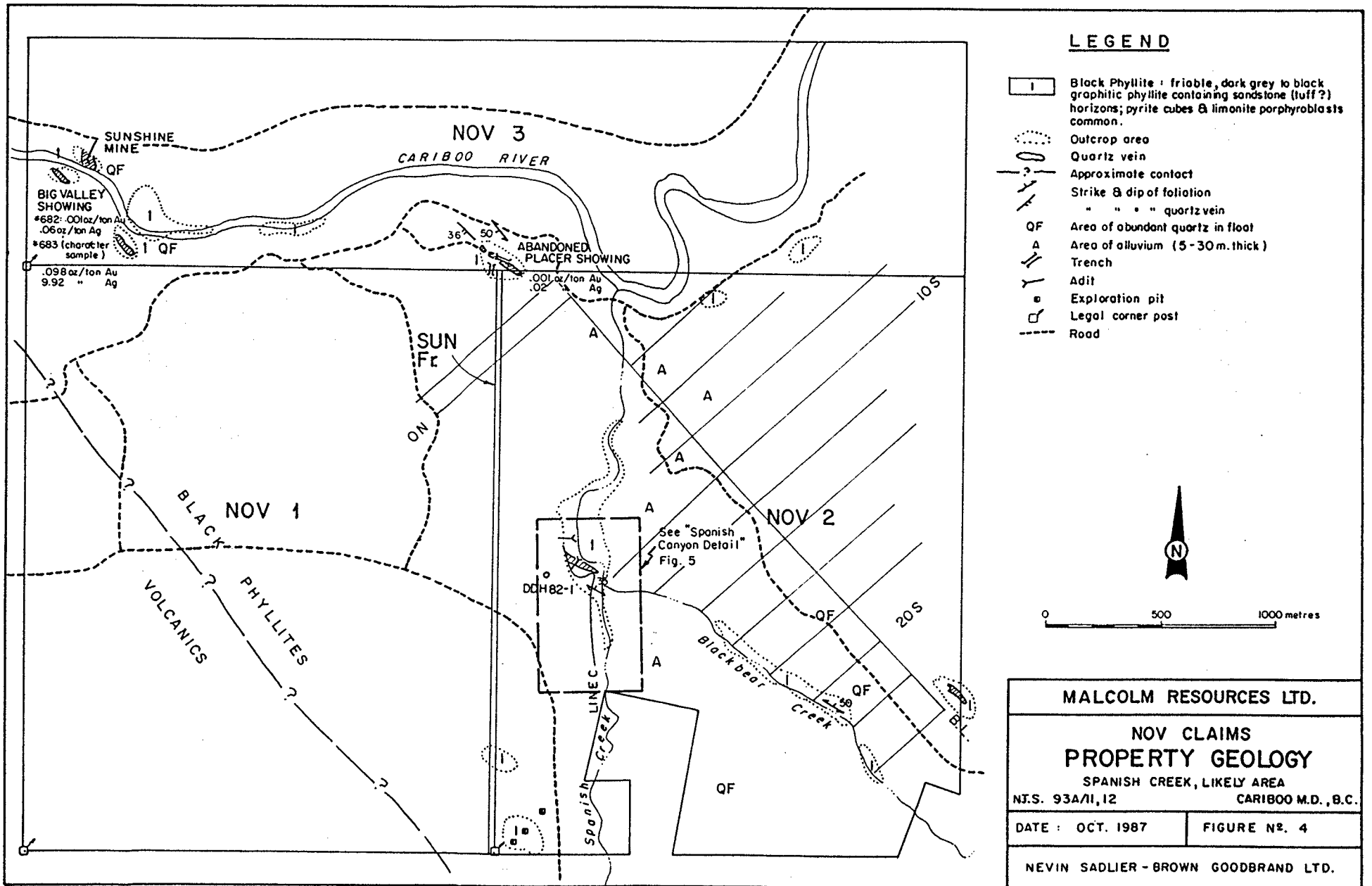
though none are observed in outcrop. The northwesterly trending contact between the phyllites and overlying volcanics bisects the NOV 1 claim.

Economic Geology

Within the Black Phyllite underlying the NOV claims are numerous sizable quartz vein structures. Best exposed by trenches in the "Spanish Canyon Zone", the veins trend approximately east-southeastward and dip moderately to steeply northward. Typical widths are 10 to 50 cm, although locally, widths to several meters have been observed. To date, mapping has been insufficient to firmly establish the continuity of the structures along strike.

Quartz veins mineralized by pyrite+galena commonly contain associated values in gold and silver (refer to Section 3.1, Figure 5). Sulfides commonly occur within a calc-silicate selvage. Particularly in the vicinity of the Upper Adit on the Spanish Canyon Zone, sericitic to talcose alteration to 2 m in width envelopes the quartz veins, and localized intense shearing is common. Steeply dipping shear- and vein-structures which intersect the more shallow dipping major quartz veins appear to play an important role in localizing sulfide deposition.

Elsewhere in the 1987 Target Area, major graphitic phyllite-hosted quartz vein exposures have been mapped near the southeastern corner of NOV 2, the southwestern corner of NOV 3, and within old placer workings on the south bank of Cariboo River (Figure 4).



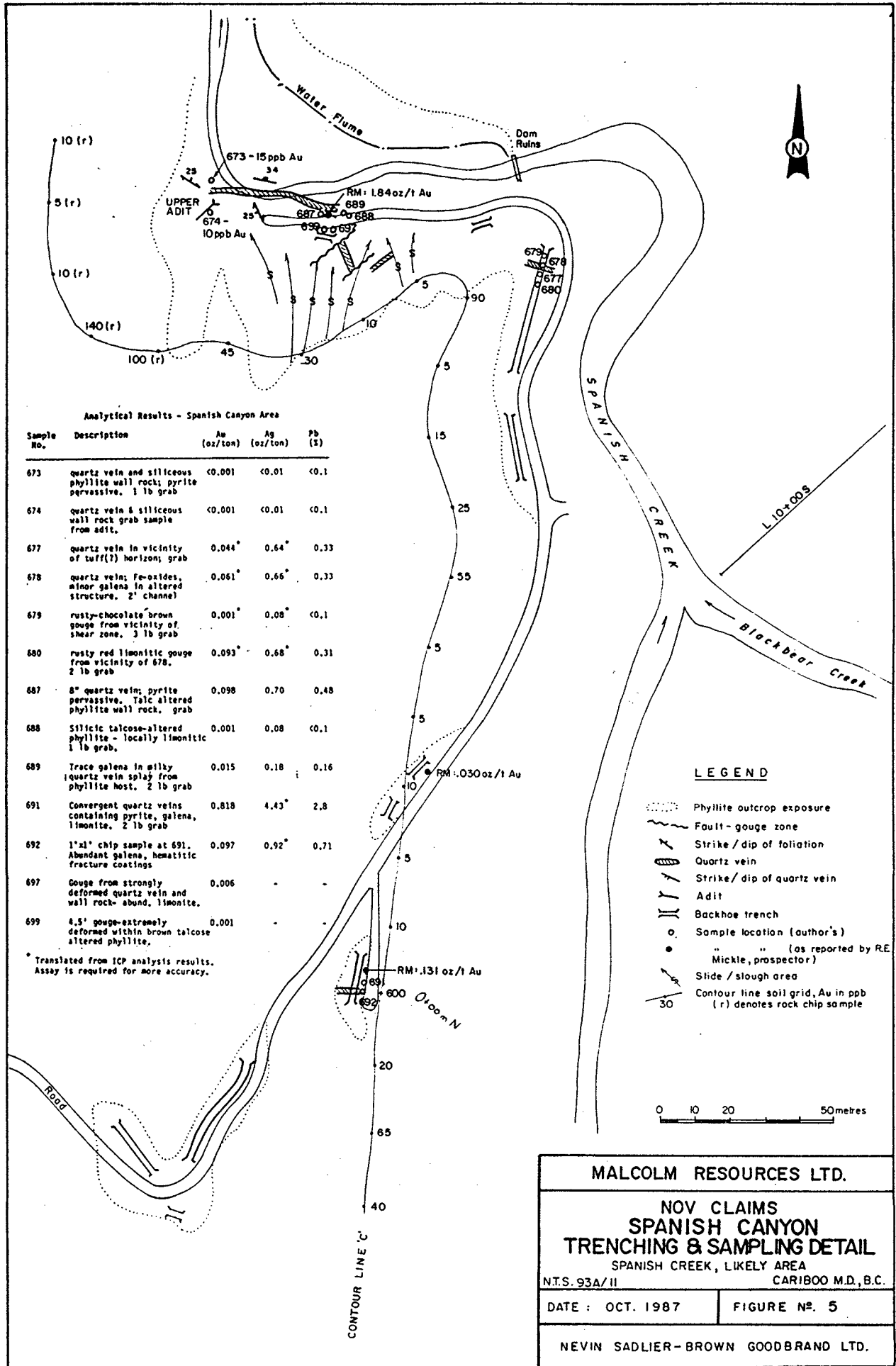
3.0 SURVEY RESULTS AND DISCUSSION

3.1 Geological Reconnaissance and Trenching

Geological mapping focussed primarily on identification and assessment of potential gold-bearing structures hosted by the Black Phyllite sequence in the Spanish Canyon area. Figure 5 depicts the results of trenching and sampling conducted in this area. Table 1 compiles rock sample descriptions and assays in this, and other areas of the property.

Of note are several assays on mineralized quartz vein structures exposed by recent trenching. The highest assays (0.818 oz Au/ton and several of approximately 0.1 oz Au/ton) were obtained from galena-bearing quartz veins 15 to 40 cm in width with a southeasterly strike and a shallow northerly dip. The vein system is hosted primarily by an incompetent dark-grey graphitic phyllite sequence which was noted to include bands of sandstone or tuff to 2 m thickness. Trenching in the vicinity of the Upper Adit could not identify a structure which, during prospecting in 1986, purportedly yielded an assay of 1.84 oz Au/ton for galeniferous quartz vein material.

In general, galena+pyrite mineralization was concentrated in the vicinity of narrow, steeply dipping quartz cross-veins. Invariably, sulfide mineralization within the quartz veins has an associated sericitic-talcosite alteration halo 50 cm to 2 m in width enveloping the host structure. The continuity of the gold-bearing vein structures, both along strike and with depth, has yet to be established.



Analytical Results - Spanish Canyon Area

Sample No.	Description	Au (oz/ton)	Ag (oz/ton)	Pb (S)
673	quartz vein and siliceous phyllite wall rock; pyrite pervasive. 1 lb grab	<0.001	<0.01	<0.1
674	quartz vein & siliceous wall rock grab sample from adit.	<0.001	<0.01	<0.1
677	quartz vein in vicinity of tuff(?) horizon; grab	0.044*	0.64*	0.33
678	quartz vein; Fe-oxides, minor galena in altered structure. 2' channel	0.061*	0.66*	0.33
679	rusty-chocolate brown gouge from vicinity of shear zone. 3 lb grab	0.001*	0.08*	<0.1
680	rusty red limonitic gouge from vicinity of 678. 2 lb grab	0.093*	0.68*	0.31
687	8" quartz veins; pyrite pervasive. Talc altered phyllite wall rock. grab	0.098	0.70	0.48
688	silicic talcose-altered phyllite - locally limonitic 1 lb grab.	0.001	0.08	<0.1
689	Trace galena in silty quartz vein splay from phyllite host. 2 lb grab	0.015	0.18	0.16
691	Convergent quartz veins containing pyrite, galena, limonite. 2 lb grab	0.818	4.43*	2.8
692	1"x1" chip sample at 691. Abundant galena, hematitic fracture coatings	0.097	0.92*	0.71
697	Gouge from strongly deformed quartz vein and wall rock- abund. limonite.	0.006	-	-
699	4.5' gouge-extremely deformed within brown talcose altered phyllite.	0.001	-	-

* Translated from ICP analysis results. Assay is required for more accuracy.

LEGEND

- Phyllite outcrop exposure
- Fault - gouge zone
- Strike / dip of foliation
- Quartz vein
- Strike / dip of quartz vein
- Adit
- Backhoe trench
- Sample location (author's)
- " (as reported by R.E. Mickle, prospector)
- Slide / slough area
- Contour line soil grid, Au in ppb (r) denotes rock chip sample

0 10 20 50metres

MALCOLM RESOURCES LTD.

**NOV CLAIMS
SPANISH CANYON
TRENCHING & SAMPLING DETAIL**

SPANISH CREEK, LIKELY AREA
N.T.S. 93A/II CARIBOO M.D., B.C.

DATE : OCT. 1987	FIGURE No. 5
------------------	--------------

NEVIN SADLER-BROWN GOODBRAND LTD.

Table 1

Analytical Results - NOV Claims

Sample No.	Description	Au (oz/ton)	Ag (oz/ton)	Pb (ppm)	Zn (ppm)	Sr (ppm)
Spanish Canyon Area						
673	quartz vein and siliceous phyllite wall rock; pyrite pervasive. 1 lb grab	15 ppb	1.2 ppm	42	164	480
674	quartz vein & siliceous wall rock grab sample from adit.	10 ppb	0.5 ppm	29	104	94
677	quartz vein in vicinity of tuff(?) horizon; grab	1500 ppb	22.1 ppm	3308	995	337
678	quartz vein; Fe-oxides, minor galena in altered structure. 2' channel	2100 ppb	22.8 ppm	3306	1396	153
679	rusty-chocolate brown gouge from gouge from vicinity of shear zone. 3 lb grab	50 ppb	2.8 ppm	105	196	140
680	rusty red limonitic gouge from vicinity of 678. 2 lb grab	3200 ppb	23.2 ppm	3113	859	115
687	8" quartz vein; pyrite pervasive Talc altered phyllite wall rock. grab	0.098	0.70	0.48%	4060	576
688	Silicic talcose-altered phyllite locally limonitic. 1 lb grab	0.001	0.08	49	121	79
689	Trace galena in milky quartz vein splay from phyllite host. 2lb grab	0.015	0.18	1559	195	472
691	Convergent quartz veins containing pyrite, galena, limonite. 2 lb grab	0.818	151.9 ppm	28123	974	20
692	1'x1' chip sample at 691. Abundant galena, hematitic fracture coatings.	0.097	31.4 ppm	7093	130	15
697	Gouge from strongly deformed quartz vein and wall rock - abund. limonite.	0.006	1.1 ppm	50	71	369
699	4.5' gouge-extremely deformed within brown talcose altered phyllite.	0.001	0.8 ppm	44	59	218
Abandoned Placer Area						
693	Largely unmineralized quartz vein with assoc. limonite, hematite. 3' chip.	0.006	1.1 ppm	106	29	12
694	3' chip sample extended from 693.	0.001	0.8 ppm	47	33	13
695	Unmineralized quartz vein in grey phyllite. 2' channel	0.001	0.9 ppm	15	89	24
696	10-15 cm wide quartz vein - highly limonitic though no sulfides observed. 2 lb character sample.	0.001	0.3 ppm	19	35	5
Big Valley Showings						
682	3' channel sample across kaolinitic altered vein structure with iron oxides.	0.001	0.06	100	41	33
683	Character sample of small pod of massive galena from quartz vein structure.	0.098	9.92	18.90%	266025	345
Sunshine Adit area						
684	Massive pyrite pods within quartz vein. 2 lb character sample	0.007	0.18	0.04%	466	27
685	Small quartz vein separating phyllite and tuff(?); pervasive sericitic alteration in 1 lb grab.	0.013	267.7 ppm	40401	45617	304

Note: 34,300 ppb = 1 oz/ton
34.3 ppm = 1 oz/ton

Values reported in ppm or ppb are from ICP analysis and may be conventional units only approximately.

"Abandoned Placer" Trenches

Trenching was also conducted at grid coordinates L 400N by 1300E in the vicinity of a recently abandoned placer gold mining operation. A large quartz-vein had been exposed by the operation, and trenching was conducted to further delineate its extent.

The phyllite-hosted quartz vein was exposed for approximately 50 m along a west-northwesterly trend. The structure displayed a variable thickness (ranging between 20 and 150 cm) typical of quartz vein boudins within incompetent host rocks.

Although iron oxides occur throughout the vein, no other sulfides were observed. Weak assay results indicate either that gold does not occur within this particular structure or that it has been weathered from the rock as a result of the near surface exposure.

Despite the lack of encouraging gold grades, discovery of the quartz vein system in this area is considered significant. It helps confirm that the vein system discovered at Spanish Canyon extends along strike across the NOV claims. That the placer mining operation was conducted in the immediate vicinity of the quartz vein exposure suggests that gold may have been derived from this nearby source.

"Big Valley" Showings

Active placer mining operations by Big Valley Resources have exposed a northwesterly trending series of quartz veins approximately 75 m south (and across Cariboo River) from the Sunshine Mine. A zone of intense phyllic alteration over the 40 m length of the showing is accompanied by spotty argentiferous galena mineralization within white quartz veins 20 cm to 5 m in width.

Assays of selected samples of the galena mineralization indicate a silver:lead ratio of approximately 0.5 oz Ag/per cent Pb. Gold graded 0.097 oz/ton in this sample; somewhat lower than might have been anticipated for this amount of galena based on results obtained from Spanish Canyon. ICP analysis results indicate elevated values in zinc (approx. 25%) and strontium. Analysis of a 1 m channel sample of barren quartz vein material and wall rock, however, indicates only trace amounts of precious and base metals are present.

3.2 Geochemical Survey

B-horizon soil samples were collected with a mattock at 20 m intervals along all 13 northeasterly oriented lines on the 1987 grid. 574 soil and 6 rock chip samples were placed in kraft paper envelopes, catalogued, and shipped to Min-En Laboratories, North Vancouver, B.C. The samples were dried and sieved, and the -80 mesh fraction digested in hot aqua regia prior to atomic absorption analysis of gold content and ICP analysis for various other metals.

Results

Figures 6 through 10 detail soil geochemistry distribution. The presence of silver (Ag), lead (Pb), zinc (Zn) and strontium (Sr) in soils is considered significant because of their association with anomalously high gold content in rock samples collected from the Spanish Canyon Zone. Furthermore, they indicate a distinctive geochemical signature which should distinguish locally derived geochemical anomalies from those attributable to alluvial or glaciofluvial gold deposits.

Perhaps the most meaningful geochemical results were obtained from the contour line run in the vicinity of showing in Spanish Canyon. Conducted largely for orientation purposes, the profile of gold geochemistry along Line C (Figure 5) clearly identifies known gold mineralization immediately above station 0+00. A far superior geochemical response (ie. a more clearly defined threshold and higher peak:background ratios) is also noted for samples collected specifically from locally derived soils. Pathfinder elements Ag, Pb, Zn and Sr each substantiate soil samples anomalously high in gold. This distinctive geochemical signature indicative of gold mineralization is also evident elsewhere on the property.

On the eastern portions of the claim group, anomalous gold values within soils are generally scattered and erratic. No persistent gold geochemical pattern was identified despite the presence of several strong single-station anomalies. However, four distinctive areas on the 1987 grid are characterized by anomalous values in pathfinder elements Ag, Pb, Zn and Sr.

The strongest of these areas (Zone "A") is situated near the eastern boundary of the claims on Line 18 S. Here, highly anomalous values in Ag and Sr correlate to moderately elevated Pb and Zn. Although arsenic in soil is weak and erratic elsewhere, the element is present in anomalously high amounts in this area. Zone A is generally restricted to the northern portion of Line 18. The anomaly is open to the southeast and may be expressed on the northern ends of Lines 22 S and 24 S. Data on Line 16 S indicate that the anomaly is truncated to the northwest.

Zone B is situated within Blackbear Creek canyon at the southwestern end of Lines 20 S, 22 S and 24 S. Because of the steepness of the terrain, this anomaly is considered indicative of a very localized feature. Very strongly anomalous values in zinc correspond with weakly to moderately elevated Ag, Sr, and Pb along a northwesterly trending geochemical feature 60 to 100 m in width which parallels the creek for approximately 600 m. The values substantiate a weakly anomalous gold value at the end of Line 22 S. Abundant quartz float was noted on a geological traverse of this anomaly.

Zone C is an area situated on the northeastern ends of Lines 8 S and 10 S characterized by weak to moderate anomalies in each of the tracer elements. Although the extent of the anomalous zone is somewhat limited, it is highlighted by a centralized, strongly anomalous single-station gold value.

Zone D is characterized by anomalous values in each of the tracer elements although none exhibits a particularly good correlation with the others. The broad area in the northwestern area of the grid is typified by the geochemical patterns displayed by zinc which shows a series of elongate, moderately anomalous bands traversing the Zone on a northwest to northerly trend. Strongly anomalous values, notably in Ag on Line 4 S, are present though discontinuous. Spotty, weakly anomalous single station gold values occur throughout the zone. The thick layer of alluvial gravels mapped in this area will have a profound affect on geochemical response.

Interpretation

Despite the limited extent of gold within soil samples collected on the NOV claims, pathfinder elements silver, lead, zinc and strontium exhibit strongly coincident anomalous patterns in a contour line run along Spanish Canyon, and at four other areas elsewhere on the 1987 grid.

Zone A is a substantial geochemical anomaly with a signature similar to that of rock specimens from Spanish canyon which proved to contain economic grades of gold mineralization. As overburden cover in this immediate area is relatively thin, the anomaly is probably indicative of a nearby source. Conceivably, the anomaly results from erosion of a large quartz vein mapped near the eastern boundary of the property and traced northwestward into the grid area.

The geochemical anomaly in Zone B is probably a direct result of shedding from a nearby geological structure. As the anomaly is situated within locally derived soils from near the base of the deeply incised Blackbear canyon, the anomaly, particularly that defined by zinc directly overlies the structure. Again, the geochemical signature is similar to Spanish Canyon-type of gold mineralization and a detailed follow-up appears warranted.

Although anomaly C is somewhat limited in extent, it is significant because the coincident geochemical anomalies in the pathfinder elements support a strongly anomalous gold value. Elsewhere, notably on Line 0, highly anomalous gold values were encountered in an area previously worked for placer gold. There was no consistent correlation between the associated gold pathfinders observed in this area. However, at

- 24 -

Zone C, a high tracer element correspondence is observed, and further investigation for a vein-type geological structure appears justified.

Zone D is an area mantled by fluvial gravels tens of meters thick at some locations. Complex glacial and fluvial processes have probably resulted in the elongate northerly to north-northwesterly trending anomalies observed in this area. Silver in particular exhibits an anomalous pattern observed over several lines. The distribution of anomalous geochemical patterns is consistent with down-ice dispersion from glaciers draining Spanish Creek valley.

3.3 Geophysical Survey

Details of the geophysical survey and interpretation of the results are discussed in a companion report "VLF-EM Survey - NOV Claim Group" by E.T. Pezzot which is included in Appendix D.

In order to evaluate the technique, an orientation magnetometer survey was conducted on Line 18 S. A maximum magnetic contrast of approximately 150 gamma was observed over the length of the line. Because of the weak magnetic response observed, no further work was conducted using this technique.

4.0 CONCLUSIONS

Recent investigation of the NOV Claim Group further confirms the property as an excellent exploration target. Numerous positive attributes, including its geological setting within a sequence known elsewhere in the region to host economic gold mineralization, the presence of gold and silver bearing structures on the property, and the well established access to the area suggest that the property is one of strong merit.

Exploration conducted on the eastern portion of the NOV claims during August 1987 indicate that mineralized quartz vein structures first identified on the lower stretches of Spanish Creek extend southeastward, running roughly parallel to Blackbear Creek. Recent exploration has confirmed the presence of a sequence of quartz vein structures containing gold mineralization up to 0.818 oz Au/ton (though values as high as 1.84 oz Au/ton have been obtained in earlier work).

Recent survey results corroborate earlier work which indicates that the structure is expressed as a sequence of quartz veins situated along a broad northwest-southeast trending zone within strongly deformed graphitic phyllite. The geological setting of the NOV Claim Group is very similar to those of the Frasergold deposit, 65 km to the southeast and, 5 km to the south, the CPW prospect.

Gold mineralization occurs most commonly in the vicinity of intersecting quartz veins, particularly those that are contained within an envelope of hydrothermal sericitic-talcose alteration of the surrounding phyllites. Argentiferous galena and associated pyrite within a calc-silicate selvage is commonly present in samples assayed

- 26 -

as containing economic gold values. Gold mineralization appears to be strongly associated with galena in samples collected to date.

The distribution and configuration of geochemical anomalies in soils is strongly influenced by the complex Quaternary history of the region. The dispersion of soil anomalies is most likely affected by glacial processes. Notable is a lead-silver anomaly originating near the eastern boundary of the claims. A dispersion train extends north-northwestward for approximately 1 km before a mantle of Quaternary alluvium deposited by the Cariboo River obscures its definition. Shedding into the alluvium-talus may be indicated by stronger silver concentrations occurring within exposed river terraces although, because the source of material comprising this geologic unit is uncertain, the credibility of this anomaly is somewhat questionable.

Elsewhere on the property, particularly on a grid installed by previous operators west of Spanish Creek, similar dispersion trains are observed. Of reconnaissance work performed on Dome Exploration's **Quesnel River** gold prospect, Fox et al., 1987 report that significant down-ice dispersion trains have been identified, and that "geochemical sampling of tills proved to be an effective prospecting tool that lead directly to the discovery of the two deposits".

Contour soil sampling along Spanish Creek canyon appears to be very effective at identifying localized gold mineralization. Strongly anomalous gold values and a distinctive geochemical signature were obtained in soil samples collected below a known auriferous quartz vein structure. Spurious geochemical effects resulting from such processes as glaciation, overburden masking, and placer deposit contamination are avoided, making contour sampling particularly effective in areas of

- 27 -

thin soil covering subcrop. Because the sampling technique is largely unaffected by erosional processes other than localized weathering, soil distribution should correlate directly with gold occurrences. Contour sampling in the steep canyons formed by Spanish and Blackbear Creeks may well prove to be an effective tool at identifying further gold occurrences in these areas. Unfortunately, extensive overburden covering much of the rest of the property will limit a broader application of this effective technique.

Of the VLF-EM survey, Pezzot (1987) concludes:

The VLF-EM data reflects a northerly bias to the geological structures underlying this grid. This contradicts the dominant northwest strike mapped elsewhere in the claim group but is supported by the results from a previous airborne magnetic survey. This change in the regional strike appears to be a direct result of a northerly striking fault zone which is closely followed by Spanish Creek and evident as an airborne magnetic gradient and surface VLF-EM field strength low.

Two increased conductivity zones are mapped in the Seattle frequency data along this structure: at line 1000S station 750E and line 600S station 1450E. A third conductivity zone mapped by the Annapolis frequency on line 400S station 1750E is also likely related to the fault lineation.

A series of anomalous conductivity responses are observed in the Seattle frequency data on line 1400S to 1800S between stations 1500E and 1750E. These anomalies are relatively

- 28 -



weak features mapped by a previous airborne survey. A reoccurrence of the phyllites mapped to the northwest could cause anomalies of this nature.

The northwestward extensions of geochemical anomaly "Zone A", located primarily on Line 1800, correspond reasonably closely to these conductive zones. Reconnaissance mapping indicates that the entire area is underlain by phyllites and accordingly, the conductors appear representative of a conductive horizon within the phyllites such as a graphitic horizon or, possibly, sulfide mineralization. It is encouraging to note that anomalous conductivity response was observed in the vicinity of the Spanish Canyon Zone.

Pezzot (pers.comm.) indicates that the north-south aligned subtle variations in field strength in the central portion of the grid may be attributable to the VLF-EM response of fluvial gravel sediments. A follow-up survey will be required to investigate these responses.

Respectfully submitted

NEVIN SADLER-BROWN GOODBRAND LTD.



Stuart A.S. Croft, P.Eng.

26 February 1988

REFERENCES


- B.C. Min. of Mines (1933): Report in B.C. Ministry of Mines 1933 Annual Report, p. A136.
- Bloodgood, M.A. (1987): Geology of the Triassic Black Phyllite in the Eureka Peak Area, Central British Columbia. B.C. Ministry of Energy, Mines and Petroleum Resources, Geological Branch, Paper 1987-1, pp. 135-142.
- Bowman, A. (1887-88): Regional report in Geological Survey of Canada Annual Report, Vol. 3, Pt. 1, p. 47C
- Campbell, R.B. (1978): Quesnel Lake 93A Map-area. Geological Survey of Canada, Open File Map 574.
- Clague, J.J. (1987): A placer gold exploration target in the Cariboo district, British Columbia. In Current Research, Part A, Geological Survey of Canada, Paper 87-1A, p. 177-180.
- Croft, S.A.S. (1987): Summary Report - Exploration in the Eastern Portion of the NOV Claim Group. Private report for Malcolm Resources Ltd., 7 October 1987.
- DeLeen, J. (1984): Report on the Likely Claim Group of Apex Energy Corp., Likely, B.C., Cariboo Mining Division. Private report for Apex Energy Corp. dated December 22, 1984.
- Fox, P.E., Cameron, R.S. and Hoffman, S.J. (1987): Geology and Soil Geochemistry of the Quesnel River Gold Deposit, British Columbia. In GEOEXPO '86, Proceedings, Association of Exploration Geochemists, Vancouver, May 1986, pp. 61-71
- MacLeod, J.W. (1982): Report on NOV 1, 2 and 3 Claims, Likely Area, Cariboo Mining Division. Private report for Apex Energy Corp. dated September 29, 1982.
- Panteleyev, A. (1987): Quesnel Gold Belt - Alkalic Volcanic Terrane between Horsefly and Quesnel Lakes (93A/6). B.C. Ministry of Energy, Mines and Petroleum Resources, Geological Branch, Paper 1987-1, pp. 125-133.
- Pezzot, E.T. (1987): Memorandum Report on a VLF-EM Survey, NOV Claim Group. Private report to Malcolm Resources Ltd. by GeoSci Data Analysis Ltd.
- Shell Drake, R.F. (1981): Report on a Helicopter E.M. and Magnetometer Survey on the NOV Claims. B.C. Ministry of Energy, Mines and Petroleum Resources, Geological Branch Assessment Report 9916.

Appendix A

CERTIFICATE AND STATEMENT OF QUALIFICATIONS

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

1. I reside at 1340 Inglewood Ave., West Vancouver, B.C. V7T 1Y9.
2. I am a consulting geologist with the firm of Nevin Sadlier-Brown Goodbrand Ltd., 401-134 Abbott Street, Vancouver, B.C. V6B 2K4.
3. I hold a B.A.Sc. in Geological Engineering from the University of British Columbia and have been practicing my profession since 1981.
4. I am a registered member of the Association of Professional Engineers of British Columbia (Geological).
5. This report is based upon knowledge of the NOV claim group obtained during a personal examination of the property June 9, 1987, and upon information obtained during the course of an exploration program on the NOV claim group. I personally supervised and participated in work conducted in August, 1987 by Nevin Sadlier-Brown Goodbrand Ltd., the findings of which are subject of this report.


Stuart A.S. Croft, Eng.

February 26, 1988

Appendix B

ITEMIZED STATEMENT OF COSTS

The following is an itemized summary of exploration costs applicable as assessment work for the NOV Claims in 1987.

A. FEES PAID

S. Croft, Geological Engineer 1-31 Aug 1987: 62.7 h @ \$48	\$3,011.00	
M. Serak, Geologist 17-31 Jul 1987: 15 d @ \$280	4,200.00	
G. Bowes, Line cutting, geophysics 17 Jul to 4 Sep 87: 26 d @ \$250	6,500.00	
C. LeGrandeur, line cutting, soil samp. 23 Jul to 12 Aug 87: 20.5 d @ \$200	4,100.00	
D. LeGrandeur, line cutting, soil samp. 23 Jul to 4 Sep 87: 27.5 d @ \$200	5,500.00	
G. McKenzie, line cutting, geophysics 16 Jul to 5 Aug 87: 10.5 d @ \$300	3,150.00	
D. Detels, line cutting, soil sampling 5 to 14 Aug 87: 9.3 d @ \$250	2,310.00	
D. Fennings, line cutting 5 to 9 Aug 87: 5 d @ \$300	1,500.00	
		30,271.00

B. FOOD AND ACCOMMODATION

Meals (116 @ \$30/d)	\$ 3,463.74	
Hotel Accomodation (3.5 weeks)	1,237.68	
		4,701.42

C. TRANSPORTATION

Truck rentals: 17 Jul to 4 Sep 87 (2 - 4WD pickup @ \$600/mo plus \$0.16/km)	\$3,343.45	
Gasoline	850.73	
ATV rental	348.68	
Lowbed rental (1 day)	300.00	
Airfare (8 Vanc. Williams Lk rtn)	2,189.02	
		7,031.88

D. INSTRUMENT RENTAL

Magnetometer	\$1,357.70	
VLF-EM (27 d @ \$15.00)	405.00	
Chainsaws (2 x 2 weeks @ \$75.00)	300.00	
		2,062.70

E. ANALYSES

580 Soils analysed for 31 element ICP plus Au @ \$11.50	\$7,070.20	
24 rock samples assayed for Au plus ICP @ \$20.00	491.70	
		7,561.90

F. MISC. EXPENDIBLE FIELD SUPPLIES AND EXPENSES

Trenching backhoe	\$1,182.50	
labour	600.00	
blasting supplies	161.50	
Road construction	1,200.00	
Expendible equipment and supplies	1,108.64	
		4,252.64

G. REPORTING

Geologist (77 h @ \$48.00)	\$3,689.50	
Typing and admin.	208.00	
copying and reproduction	174.30	
drafting	898.56	
GeoSci Data Analysis (geophysical interpretation)	1,963.50	
Telephone - communication	530.62	
		<u>7,464.48</u>
TOTAL	\$63,346.02	

Appendix C

Analysis Certificates

PROJECT NO:

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: 7-1267

ATTENTION: S. CROFT

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

* TYPE SOIL GEOCHEM *

DATE: SEPT 14, 1987

(VALUES IN PPM)	AG	AL	AS	B	BA	BE	BI	CA	CD	CO	CU	FE
LC020S	.5	12770	7	13	161	1.5	2	1850	2.1	9	59	50160
LC040S	1.2	11730	1	10	140	.9	1	2510	1.8	5	29	26950
LC060S	1.4	8750	1	7	129	.9	1	2260	2.4	6	29	30300
LC080S	1.2	19430	69	19	65	2.1	2	10580	5.7	24	184	68450
LC100S	1.9	28700	168	31	72	2.9	4	22120	8.2	44	373	93040
LC120S 40M	1.9	32420	151	36	52	2.8	1	29810	7.8	41	392	90490
LC140S 40M	2.1	31910	176	35	57	2.9	4	28850	8.3	44	396	91660
LC160S	2.1	29480	149	32	61	2.9	4	22630	7.7	46	394	95180
LC180S	2.1	28840	169	31	60	2.9	4	23970	8.6	48	400	94320
LC200S	2.3	32900	217	36	60	3.2	1	30140	10.1	54	528	105490
LC220S	1.8	30210	170	32	48	2.6	1	28810	8.3	39	399	85390
LC240S	2.2	31880	214	35	61	3.2	4	29370	8.9	55	494	104640
LC260N 40M	1.0	6370	1	8	73	2.0	1	23930	3.2	19	127	60670
LC280N	1.0	6440	1	7	69	2.1	2	26480	2.1	19	89	66210

PROJECT NO:

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: 7-1267

ATTENTION: S.CROFT

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

* TYPE SOIL GEOCHEM *

DATE: SEPT 14, 1987

(VALUES IN PPM)	K	LI	MG	MN	MO	NA	NI	P	PB	SB	SR	TH
LC020S	870	12	4120	2029	4	50	34	1060	34	1	13	1
LC040S	920	5	2040	1063	2	70	14	600	17	2	18	1
LC060S	800	8	3490	912	2	30	23	710	24	1	15	1
LC080S	770	18	13710	916	4	110	52	840	90	4	73	1
LC100S	1060	25	19620	1148	3	190	74	850	106	7	168	1
LC120S 40M	910	30	22540	1096	2	150	64	800	92	5	169	1
LC140S 40M	970	28	22260	1099	2	170	72	810	87	6	183	1
LC160S	1030	26	20590	1135	2	180	69	820	102	8	155	1
LC180S	950	25	20880	1118	3	170	67	770	119	8	175	1
LC200S	900	29	23290	1203	1	160	79	800	102	9	234	1
LC220S	730	29	21900	1017	2	130	62	770	74	5	181	1
LC240S	820	29	22350	1180	2	140	79	800	96	10	224	1
LC260N 40M	540	4	2750	837	7	20	176	830	45	2	143	1
LC280N	630	5	3070	762	4	30	83	830	41	2	100	1

COMPANY: NEVIN SADLER BROWN

MIN-EN LABS LCP REPORT

1811:PS17 PAGE 3 OF 3

PROJECT NO:

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: 7-1267

ATTENTION: S.CROFT

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

* TYPE SOIL GEOCHEM *

DATE: SEPT 14, 1987

(VALUES IN PPM)	U	V	ZN	BA	SN	W	CR	AU-PPB
LC020S	1	26.6	144	1	3	1	25	20
LC040S	1	33.4	84	1	2	1	22	65
LC060S	1	24.8	99	1	1	1	21	40
LC080S	1	71.0	201	2	1	2	42	20
LC100S	1	109.8	296	2	6	2	63	30
LC120S 40M	1	129.6	294	1	1	2	67	50
LC140S 40M	1	125.4	292	1	1	2	68	100
LC160S	1	115.4	299	2	1	2	63	60
LC180S	1	114.4	303	1	6	2	62	100
LC200S	1	131.3	345	1	1	3	76	50
LC220S	1	121.5	280	1	5	3	66	60
LC240S	1	127.9	329	1	7	2	71	70
LC260N 40M	1	11.8	261	1	1	1	10	30
LC280N	2	12.0	129	1	2	1	9	45

PROJECT NO:

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: 7-1267

ATTENTION: STU CROFT

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

* TYPE ROCK GEOCHEM *

DATE: SEPT 16, 1987

(PPM)	LC 300N	LC 300N	LC 320N	LC 340N	LC 360N	LC 380N
---------	---------	---------	---------	---------	---------	---------

AG	1.0	2.5	2.5	1.1	1.1	.7
----	-----	-----	-----	-----	-----	----

AL	7010	5130	7650	9730	15180	18610
----	------	------	------	------	-------	-------

AS	34	80	1	7	10	1
----	----	----	---	---	----	---

B	2	2	7	5	8	11
---	---	---	---	---	---	----

BA	133	92	103	134	119	134
----	-----	----	-----	-----	-----	-----

BE	1.7	2.2	1.5	1.4	1.5	1.6
----	-----	-----	-----	-----	-----	-----

BI	1	1	1	1	2	1
----	---	---	---	---	---	---

CA	5880	17840	60820	11330	16590	3960
----	------	-------	-------	-------	-------	------

CD	5.0	9.1	14.5	3.4	4.6	2.8
----	-----	-----	------	-----	-----	-----

CO	9	9	7	9	9	11
----	---	---	---	---	---	----

CU	166	156	119	64	56	41
----	-----	-----	-----	----	----	----

FE	52100	73650	46360	44210	44820	47720
----	-------	-------	-------	-------	-------	-------

K	2770	1970	2650	2050	2270	2290
---	------	------	------	------	------	------

LI	1	1	2	7	14	17
----	---	---	---	---	----	----

MG	3480	4270	1480	3600	7670	6850
----	------	------	------	------	------	------

MN	566	808	463	626	537	469
----	-----	-----	-----	-----	-----	-----

MO	1	3	52	9	8	1
----	---	---	----	---	---	---

NA	490	310	290	300	220	220
----	-----	-----	-----	-----	-----	-----

NI	76	74	85	50	51	35
----	----	----	----	----	----	----

P	500	1380	1040	500	550	550
---	-----	------	------	-----	-----	-----

PB	76	496	95	26	23	18
----	----	-----	----	----	----	----

SB	2	4	1	4	3	4
----	---	---	---	---	---	---

SR	80	133	167	61	96	29
----	----	-----	-----	----	----	----

TH	1	1	1	1	1	1
----	---	---	---	---	---	---

U	2	1	1	1	3	1
---	---	---	---	---	---	---

V	17.2	17.4	78.2	23.4	31.1	16.7
---	------	------	------	------	------	------

ZN	136	340	605	158	141	126
----	-----	-----	-----	-----	-----	-----

GA	1	1	1	1	1	1
----	---	---	---	---	---	---

SN	1	1	1	1	1	2
----	---	---	---	---	---	---

W	1	1	1	1	1	1
---	---	---	---	---	---	---

CR	43	45	68	128	111	120
----	----	----	----	-----	-----	-----

AU-PPB	10	100	140	10	5	10
--------	----	-----	-----	----	---	----

PROJECT NO: 318

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: 7-11055/P1+2

ATTENTION: T.L.SADLER-BROWN

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

* TYPE SOIL GEOCHEM *

DATE: SEPT 1, 1987

(VALUES IN PPM)	AG	AL	AS	B	BA	BE	BI	CA	CD	CO	CU	FE
C 000N	1.4	10340	13	7	141	1.5	1	3680	1.5	15	69	48280
C 020N	1.2	13130	11	6	56	1.3	1	2530	3.3	7	69	41230
C 040N	1.0	13110	11	6	64	1.2	1	2010	2.8	7	55	38110
C 060N	1.7	14460	9	7	86	1.2	1	2260	2.7	7	55	38320
C 080N	.7	12720	5	7	79	1.7	1	2080	2.1	12	78	52970
C 100N	.9	13390	8	6	67	1.1	1	2170	3.0	8	45	34410
C 120N	.7	9370	1	4	64	.9	1	2080	1.5	4	33	30190
C 140N	.7	10420	9	5	70	.9	1	1860	1.0	5	24	28310
C 160N	.7	10690	9	5	58	1.0	1	1870	1.5	6	32	30850
C 180N	.7	9380	2	4	74	.7	1	3000	1.4	4	21	22400
C 200N	.8	8770	11	6	87	1.8	1	2390	2.1	8	87	60720
C 220N	.5	7050	8	3	66	.5	1	1620	.5	3	13	16980
C 240N	.5	6760	2	4	72	1.7	1	2590	1.7	17	48	53520
LO 760E	.8	10810	4	5	79	.9	1	2010	1.3	5	24	26590
LO 780E	1.1	10170	2	5	79	.8	1	1640	1.5	4	22	23710
LO 800E	.8	15870	2	7	81	1.0	1	1160	2.0	6	28	30030
LO 820E	1.1	14090	6	7	87	.9	1	1570	1.4	4	19	25720
LO 840E	.8	12490	7	5	78	.8	1	840	1.1	3	13	24740
LO 860E	.7	12280	9	5	63	.9	1	820	1.6	5	31	27250
LO 880E	.8	9530	8	6	51	1.0	1	700	1.3	4	28	35210
LO 900E	.5	11670	10	6	74	1.2	1	1290	2.1	6	36	37560
LO 920E	1.9	13520	7	6	97	1.1	1	1360	2.2	5	25	32990
LO 940E	1.3	7890	10	4	67	.6	1	1450	1.3	3	10	20160
LO 960E	1.0	5800	7	3	62	.7	3	3890	1.5	4	23	20860
LO 980E	.9	6460	2	4	50	.7	1	4740	1.0	4	21	22820
LO 1000E	2.8	4360	8	4	118	.3	3	4170	.8	2	12	9870
LO 1020E	2.3	10490	3	4	57	1.0	1	1060	.7	4	22	34710
LO 1040E 40M	1.2	10710	6	5	74	1.5	1	1580	1.6	6	63	48410
LO 1060E	1.4	10300	3	6	98	1.2	1	1690	2.7	5	55	39920
LO 1080E	1.5	9030	10	4	94	.8	1	2330	1.3	3	16	28040
LO 1100E	.1	15440	2	9	91	1.3	1	1090	1.4	6	38	39980
LO 1120E	.1	7960	4	4	65	.8	1	1150	.7	5	23	26610
LO 1140E	.7	6700	1	3	86	.3	1	1190	.2	2	8	10080
LO 1160E 40M	.2	9310	2	6	102	1.1	1	2470	2.0	6	54	36490
LO 1180E	.5	6960	8	4	51	.8	1	1230	1.1	5	21	25360
LO 1200E	.9	18000	7	9	78	1.2	2	2730	2.2	8	44	37240
LO 1220E	.8	14180	20	6	94	1.3	2	2130	2.9	7	54	40860
LO 1240E	1.0	10900	1	7	98	1.1	1	11020	1.7	6	48	32370
LO 1260E	.6	5560	10	2	80	.7	1	3370	1.8	5	32	23760
LO 1280E	.9	6790	6	3	98	.8	1	3010	1.0	5	32	28390
LO 1300E	.5	9690	16	5	53	1.2	2	3460	2.7	9	47	40720
LO 1320E	.6	7600	10	3	54	1.0	1	2230	2.2	6	43	33590
LO 1340E	.6	6510	2	2	54	.7	1	740	.8	4	18	22060
LO 1360E	1.1	8060	2	3	51	1.0	1	1130	1.5	4	30	29580
LO 1380E	1.0	7210	5	2	57	.3	3	1070	.1	2	6	10070
LO 1400E	1.3	9380	9	6	191	.9	2	2870	2.7	5	19	26010
LO 1420E	1.3	9460	1	6	153	1.2	1	3140	1.8	5	34	40250
LO 1440E 40M	1.4	12340	16	7	74	1.7	1	3160	3.1	13	68	53050
LO 1460E	1.7	14900	3	7	70	1.4	1	3680	3.3	9	70	39650
LO 1480E	.8	10520	11	5	62	1.0	1	2420	2.1	5	29	31210
LO 1500E	.6	12080	2	6	63	1.0	1	2670	2.0	3	17	31620
IS 740E	.9	9490	8	4	70	.9	1	1890	1.4	4	22	27100
IS 760E	.6	14180	8	6	87	1.0	1	1820	1.4	4	25	31000
IS 780E	.6	11890	7	4	61	.5	1	2410	.5	2	7	14430
IS 800E	.8	8800	11	3	88	.6	1	1650	.4	4	12	18450
IS 820E	.8	8120	2	4	47	.9	1	990	1.6	4	27	29500
IS 840E	.9	10200	1	6	64	1.1	1	1220	1.4	4	31	32210
IS 860E	1.2	9630	11	4	53	.8	2	1250	1.7	3	16	25120
IS 880E	.9	15600	4	7	86	1.0	1	1030	2.2	5	21	27650
IS 900E	1.1	13710	14	6	92	.9	1	2290	1.9	6	24	27350

PROJECT NO: 318

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

DATE: SEPT 1, 1987

ATTENTION: T.L. SADLER-BROWN

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

* TYPE SOIL GEOCHEM *

DATE: SEPT 1, 1987

(VALUES IN PPM)	K	LI	MS	MN	MO	NA	NI	P	PB	SB	SR	TH
C 000N	830	9	2200	1799	1	30	23	1230	136	5	131	1
C 020N	670	14	6050	847	3	10	47	910	37	2	10	1
C 040N	740	14	4970	463	1	20	35	690	35	4	1	1
C 060N	820	14	6140	1051	1	30	38	720	29	4	14	1
C 080N	860	11	5010	914	2	30	55	870	37	3	18	1
C 100N	1060	14	6240	1067	1	30	35	780	42	4	8	1
C 120N	840	10	3160	301	1	20	22	570	27	2	29	1
C 140N	830	10	3150	411	1	30	18	540	20	3	31	1
C 160N	540	10	4420	320	1	20	23	530	8	4	12	1
C 180N	440	7	2300	360	1	10	16	500	16	3	46	1
C 200N	550	6	1670	374	2	20	36	1110	53	3	41	1
C 220N	410	7	1190	168	1	20	9	390	13	3	36	1
C 240N	530	6	1690	580	1	30	59	590	24	3	93	1
LO 760E	570	11	3170	364	1	20	17	510	26	3	14	1
LO 780E	600	10	2940	359	2	30	18	530	23	4	14	1
LO 800E	750	15	4520	297	1	30	25	660	17	5	10	1
LO 820E	630	14	3840	163	2	20	17	500	9	4	7	1
LO 840E	490	15	2980	152	1	20	9	680	18	4	1	1
LO 860E	500	12	3420	201	2	20	28	470	23	3	9	1
LO 880E	380	10	2230	179	4	20	14	1180	19	4	12	1
LO 900E	640	17	3390	255	2	20	23	940	24	3	4	1
LO 920E	450	16	3140	867	1	30	17	1400	15	5	14	1
LO 940E	520	7	1550	247	1	30	2	820	13	4	23	1
LO 960E	430	5	1990	264	1	20	12	340	15	4	59	1
LO 980E	880	8	1760	152	1	10	13	260	20	4	77	1
LO 1000E	430	3	1030	808	2	20	10	510	18	3	66	1
LO 1020E	360	12	2600	157	1	10	14	730	20	5	18	1
LO 1040E 40M	540	11	3770	443	1	20	35	1270	15	4	12	1
LO 1060E	700	7	2940	445	2	20	28	990	20	4	23	1
LO 1080E	580	9	2170	486	1	20	15	1390	14	4	44	1
LO 1100E	540	18	3580	251	1	20	29	1140	6	4	15	1
LO 1120E	420	6	2040	310	1	10	29	600	10	1	4	1
LO 1140E	490	3	1030	473	1	20	5	260	10	2	25	1
LO 1160E 40M	530	11	3200	726	1	10	29	600	22	1	19	1
LO 1180E	440	10	2320	516	1	10	17	500	7	3	6	1
LO 1200E	850	25	6450	544	1	40	35	670	16	4	31	1
LO 1220E	720	15	5000	456	1	30	33	430	9	2	7	1
LO 1240E	790	11	4690	522	1	60	30	840	19	2	158	1
LO 1260E	410	6	2220	393	1	20	13	440	19	3	51	1
LO 1280E	530	6	2050	630	1	20	17	520	21	2	40	1
LO 1300E	480	10	3580	484	2	30	26	840	24	2	40	1
LO 1320E	500	6	3350	429	2	30	22	930	23	3	40	1
LO 1340E	480	5	2040	292	1	20	11	480	11	2	17	1
LO 1360E	400	8	2780	269	1	20	18	890	20	3	18	1
LO 1380E	750	5	1370	164	1	30	4	330	18	3	26	1
LO 1400E	850	9	2820	1398	1	40	16	570	24	3	53	1
LO 1420E	730	9	2640	1025	1	40	19	790	34	2	51	1
LO 1440E 40M	680	15	5940	498	1	40	57	940	33	4	25	1
LO 1460E	880	18	6990	861	1	60	42	720	37	4	26	1
LO 1480E	640	15	4690	471	1	30	25	640	34	3	25	1
LO 1500E	680	18	3900	201	1	20	9	880	21	4	29	1
IS 740E	570	12	2760	295	1	30	17	260	14	4	16	1
IS 760E	610	17	5110	302	2	20	19	280	17	4	18	1
IS 780E	470	15	3680	119	1	30	8	140	13	4	24	1
IS 800E	670	10	2560	425	1	30	12	370	21	2	15	1
IS 820E	460	7	2280	155	1	30	13	670	12	4	15	1
IS 840E	600	11	3230	322	1	40	19	730	21	3	5	1
IS 860E	480	10	2350	185	1	30	11	960	22	6	27	1
IS 880E	730	18	4490	187	1	30	21	630	15	5	23	1
IS 900E	760	18	4400	504	2	30	21	530	14	4	19	1

VALUES IN PPM)	U	V	ZN	BA	SN	W	CR	AU-PPB
C 000N	2	22.7	213	1	1	2	19	600
C 020N	2	21.8	183	1	1	2	22	10
C 040N	5	24.1	155	1	1	2	24	5
C 060N	3	26.4	139	1	1	2	26	10
C 080N	3	26.6	165	1	1	2	27	5
C 100N	1	25.2	121	1	1	2	25	5
C 120N	1	25.4	112	1	1	1	21	55
C 140N	2	28.1	106	1	1	2	20	25
C 160N	1	28.7	120	1	1	2	19	15
C 180N	3	23.2	81	1	1	1	17	5
C 200N	1	16.0	190	1	1	2	16	90
C 220N	1	16.9	73	1	1	1	11	5
C 240N	1	12.6	228	1	1	2	15	10
LO 760E	1	21.6	114	1	1	2	19	10
LO 780E	1	22.2	95	1	1	2	18	5
LO 800E	1	26.0	130	2	1	2	25	5
LO 820E	1	28.5	96	1	1	2	25	5
LO 840E	1	27.9	85	1	1	1	20	10
LO 860E	1	19.3	99	1	1	2	18	10
LO 880E	1	25.6	155	1	1	2	17	5
LO 900E	1	22.8	182	2	1	2	19	5
LO 920E	1	23.3	173	2	1	2	21	5
LO 940E	1	24.0	90	1	1	1	15	5
LO 960E	1	25.2	78	2	1	1	16	30
LO 980E	1	27.8	120	2	1	1	15	5
LO 1000E	2	13.8	83	2	1	1	10	5
LO 1020E	1	25.6	127	2	1	2	20	5
LO 1040E 40M	1	24.6	161	4	1	2	22	10
LO 1060E	1	30.0	144	4	1	2	22	85
LO 1080E	1	30.2	130	1	1	1	19	5
LO 1100E	1	29.4	186	1	5	2	21	5
LO 1120E	1	23.8	79	1	4	1	41	5
LO 1140E	1	19.9	46	1	2	1	12	5
LO 1160E 40M	1	21.2	144	1	3	2	18	40
LO 1180E	1	19.8	116	1	3	1	15	5
LO 1200E	1	23.8	118	1	2	2	27	5
LO 1220E	1	27.2	137	1	3	2	27	5
LO 1240E	1	20.8	127	1	2	2	27	5
LO 1260E	1	17.4	101	1	1	1	15	5
LO 1280E	1	23.7	116	1	1	1	18	5
LO 1300E	1	24.9	173	1	1	1	27	250
LO 1320E	1	20.7	136	2	1	1	21	35
LO 1340E	2	18.8	65	1	1	1	15	5
LO 1360E	2	19.9	99	1	1	1	19	5
LO 1380E	4	22.3	53	1	1	1	16	5
LO 1400E	1	33.3	145	2	1	1	28	45
LO 1420E	2	32.2	121	1	1	1	27	1220
LO 1440E 40M	2	40.7	169	1	1	2	31	10
LO 1460E	4	25.2	126	1	1	2	27	5
LO 1480E	3	20.7	111	1	1	2	21	5
LO 1500E	1	27.8	109	2	1	2	23	5
1S 740E	1	22.4	86	1	1	1	18	10
1S 760E	3	27.8	99	1	1	2	28	5
1S 780E	4	20.6	56	1	1	1	16	5
1S 800E	1	22.1	78	2	1	1	17	5
1S 820E	5	22.3	84	2	1	1	17	5
1S 840E	3	23.6	91	1	1	2	19	5
1S 860E	7	24.3	75	2	1	1	19	10
1S 880E	1	26.6	112	2	1	2	28	40
1S 900E	2	25.9	105	2	1	2	25	5

(VALUES IN PPM)	AG	AL	AS	B	BA	BE	BI	CA	CD	CO	CU	FE
1S 920E	.3	9610	5	7	68	.8	1	960	1.4	4	25	26060
1S 940E	.7	9440	10	4	75	1.1	1	1150	1.1	4	13	32690
1S 960E	.7	8420	11	3	53	.8	1	780	1.7	4	15	25890
1S 980E	2.0	8630	7	4	81	1.0	1	2780	1.5	5	19	33120
1S 1000E	1.8	15570	26	8	126	2.1	2	1290	2.4	10	85	66590
1S 1040E	.9	12010	15	5	103	1.1	1	1900	1.0	6	48	33710
1S 1060E	.4	8270	2	3	40	.5	2	960	.2	3	8	14150
1S 1080E	.9	10630	9	5	81	.6	1	1260	1.2	4	10	18420
1S 1100E	1.1	13340	14	7	135	1.9	1	2190	3.2	11	107	63790
1S 1120E	1.4	9100	12	4	155	1.0	1	4680	2.6	7	21	30420
1S 1140E	2.3	7800	12	3	136	.8	3	3150	2.7	6	33	26220
1S 1160E	1.0	7930	12	4	76	.8	3	1360	1.9	5	29	25640
1S 1180E	1.6	9860	18	6	146	1.4	1	4820	3.1	10	61	46080
1S 1200E	.7	12360	2	7	70	1.0	1	4190	2.6	8	26	28970
1S 1260E	.6	10110	6	4	50	.8	2	3140	2.1	5	24	26250
1S 1280E	.9	5680	3	3	29	.2	2	2230	.1	2	7	6190
1S 1300E	1.0	8300	8	5	86	.5	2	1420	.6	2	10	15410
1S 1320E	1.0	3350	4	2	54	.1	4	890	.1	1	4	2860
1S 1340E	.7	11780	9	6	57	.9	1	1010	1.2	3	14	28800
1S 1360E	1.1	18820	14	10	82	1.5	1	1190	2.1	4	19	50360
1S 1380E	1.6	12900	12	6	70	1.2	1	970	1.9	2	13	40440
1S 1400E	.8	6160	4	3	32	.2	2	920	.5	1	4	5460
1S 1420E	2.5	6790	4	3	48	.3	4	1610	.6	2	6	8870
1S 1440E	.7	11020	10	3	46	.5	1	1190	1.2	3	12	18090
1S 1460E	1.1	5870	5	1	48	.2	4	2670	1.2	2	6	8690
1S 1480E	.6	9590	7	4	80	.6	1	1040	1.4	3	14	19910
1S 1500E	.7	7820	7	2	50	.5	2	1080	.3	3	12	15420
4S 1500E	1.3	11330	2	4	78	1.2	2	2290	2.6	8	52	37240
4S 1520E	.9	10410	7	4	60	1.2	1	2310	2.5	9	46	38510
4S 1540E	.8	9920	9	4	55	1.3	1	2380	2.7	10	56	39910
4S 1560E	.4	10510	8	25	98	.8	1	2670	2.9	5	24	24840
4S 1580E	.7	10660	1	21	69	.7	1	860	2.3	4	13	19000
4S 1600E	2.7	15620	21	21	97	1.6	1	1930	5.1	10	75	48150
4S 1620E	1.0	14190	1	24	81	1.1	1	1680	2.0	6	36	33500
4S 1640E	1.2	17800	23	30	118	1.5	2	1640	3.0	7	40	45180
4S 1660E	1.4	16950	6	19	91	.8	2	950	2.2	4	13	22900
4S 1680E	1.0	10920	6	14	60	1.1	1	1880	2.3	6	35	33080
4S 1700E	1.0	11290	15	20	82	1.2	1	2570	2.5	9	49	38530
4S 1720E	.9	18610	20	23	115	1.5	1	2490	2.9	9	61	45400
4S 1740E	1.4	15600	19	21	102	1.4	2	3700	3.8	10	62	43360
6S 1360E	1.6	14750	11	21	105	2.0	2	3390	4.5	17	109	62620
6S 1380E	1.4	16320	13	21	87	1.5	1	3780	4.0	10	71	47370
6S 1400E	1.1	12740	12	20	82	1.2	1	2980	3.9	9	54	37510
6S 1420E	.9	14910	8	17	116	1.0	1	1800	3.0	6	31	31740
6S 1440E	1.4	16680	17	27	144	1.5	1	4040	4.2	10	65	44720
6S 1460E	1.5	10100	9	17	74	1.3	1	3410	3.2	10	72	43230
6S 1480E	1.8	9540	18	21	70	1.4	1	2780	5.6	12	89	47460
6S 1500E	1.1	6870	12	14	69	.6	1	2270	3.0	3	17	19680
6S 1540E	1.2	7430	7	15	52	.6	2	1040	2.5	4	18	20950
6S 1560E	1.5	14730	6	20	101	1.5	1	1280	2.1	5	21	46980
6S 1580E	2.2	13860	16	16	101	1.6	2	1040	2.4	6	39	51070
6S 1600E	2.0	21260	24	28	135	1.8	2	1080	3.3	8	52	55570
6S 1620E	1.9	19770	8	26	125	1.7	1	1060	3.5	7	39	52950
6S 1640E	1.1	14080	1	12	108	1.1	1	940	2.0	4	17	36240
6S 1660E	1.7	21250	2	25	90	1.3	1	1110	2.7	6	19	39410
6S 1680E	1.1	18960	11	26	95	1.2	1	1470	1.8	7	21	34460
6S 1700E	1.2	15780	16	7	94	1.3	1	1590	2.1	8	33	38210
6S 1720E	1.2	13730	8	7	130	1.3	1	1430	2.8	8	28	41000
6S 1740E	.6	8290	3	3	85	1.0	1	1050	1.8	5	17	34370

PROJECT NO: 318

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: 7-11055/P3+4

ATTENTION: T.L. SADLIER-BRDWN

(604)980-5814 DR (604)988-4524

* TYPE SOIL GEOCHEM * DATE: SEPT 1, 1987

(VALUES IN PPM)	K	LI	MG	NM	MO	NA	NI	P	PB	SB	SR	TH
1S 920E	400	7	2430	243	2	30	10	240	14	3	7	1
1S 940E	440	10	2720	424	1	10	8	1280	15	1	9	1
1S 960E	560	7	1940	474	1	10	10	1030	13	2	12	1
1S 980E	520	7	2180	432	1	20	11	1400	29	2	45	1
1S 1000E	650	14	3610	423	1	30	44	2070	36	4	12	1
1S 1040E	780	11	3060	591	1	20	31	1320	17	2	25	1
1S 1060E	340	7	1670	143	1	10	9	450	4	3	9	1
1S 1080E	420	13	2460	240	1	20	7	370	22	3	9	1
1S 1100E	940	16	4950	596	2	40	52	980	28	3	10	1
1S 1120E	820	10	1920	1889	1	50	11	610	23	3	71	1
1S 1140E	800	6	2240	1802	1	40	16	580	28	3	51	1
1S 1160E	710	6	1890	858	1	40	13	660	19	4	32	1
1S 1180E	710	11	3230	1316	2	30	31	1310	36	3	74	1
1S 1200E	860	17	5000	417	2	60	20	590	25	4	39	1
1S 1260E	740	12	4220	229	1	50	16	700	18	4	36	1
1S 1280E	330	4	1260	117	1	30	6	160	14	2	28	1
1S 1300E	440	5	1670	423	1	30	6	720	5	2	27	1
1S 1320E	260	1	410	65	1	40	3	120	11	3	28	1
1S 1340E	420	10	2370	115	1	30	8	1270	13	3	17	1
1S 1360E	680	17	3210	245	2	30	8	2610	17	3	15	1
1S 1380E	580	10	2370	124	1	30	5	1780	22	5	20	1
1S 1400E	310	2	900	67	1	20	3	270	10	3	22	1
1S 1420E	460	3	1750	94	1	30	6	180	4	3	22	1
1S 1440E	480	7	2680	137	1	20	7	410	18	4	8	1
1S 1460E	580	3	1580	195	1	40	6	200	12	4	51	1
1S 1480E	580	12	3650	239	1	20	9	590	9	3	6	1
1S 1500E	670	8	2320	141	1	30	8	260	12	3	10	1
4S 1500E	660	12	4890	436	2	40	44	770	36	4	22	1
4S 1520E	580	11	4670	413	2	30	43	820	29	4	29	1
4S 1540E	510	10	4440	511	1	30	49	760	30	4	27	1
4S 1560E	840	14	3950	462	1	50	19	490	16	2	45	1
4S 1580E	580	15	3470	192	1	30	11	290	15	4	18	1
4S 1600E	980	15	7080	666	2	70	46	550	81	6	25	1
4S 1620E	870	16	5050	221	2	60	23	510	14	4	17	1
4S 1640E	880	18	5160	304	3	60	36	1560	27	5	39	1
4S 1660E	610	20	3020	116	1	40	12	580	8	5	20	1
4S 1680E	580	12	4360	276	1	40	24	600	30	5	30	1
4S 1700E	740	11	4680	466	2	60	32	830	34	3	41	1
4S 1720E	1290	24	7860	475	1	90	40	530	23	5	1	1
4S 1740E	1560	18	7060	670	1	90	41	670	26	5	50	1
6S 1360E	1130	12	6410	885	3	80	69	760	73	3	42	1
6S 1380E	1110	16	7060	705	1	80	40	860	87	3	57	1
6S 1400E	930	12	5120	543	3	90	37	530	40	3	28	1
6S 1420E	960	14	4790	350	3	80	26	360	13	4	23	1
6S 1440E	1380	16	6600	805	2	150	50	590	26	5	58	1
6S 1460E	700	11	5210	629	1	60	47	660	38	4	33	1
6S 1480E	730	9	5060	892	2	60	57	650	41	5	35	1
6S 1500E	650	5	1840	313	1	40	11	520	20	4	51	1
6S 1540E	530	6	1760	170	1	40	13	630	15	4	20	1
6S 1560E	690	14	3070	380	1	40	11	2780	22	5	28	1
6S 1580E	650	18	3450	269	3	40	20	1320	22	4	5	1
6S 1600E	950	26	4370	278	3	50	37	1190	17	5	12	1
6S 1620E	900	23	3830	360	3	50	28	1810	17	5	5	1
6S 1640E	570	15	3340	206	2	30	11	2100	16	4	23	1
6S 1660E	630	22	4490	228	1	40	24	980	4	5	19	1
6S 1680E	770	20	4210	213	2	50	31	740	4	5	4	1
6S 1700E	630	16	4250	321	2	30	36	1030	17	5	14	1
6S 1720E	740	17	3340	606	2	20	26	1980	19	2	32	1
6S 1740E	440	10	2240	230	1	10	15	2210	22	2	47	1

(VALUES IN PPM)	U	V	ZN	BA	SN	W	CR	AU-PPB
1S 920E	1	31.9	87	1	1	1	20	5
1S 940E	1	29.2	135	2	1	1	19	5
1S 960E	1	28.0	105	1	1	1	17	5
1S 980E	2	33.0	86	1	1	1	20	5
1S 1000E	1	34.7	213	2	3	2	33	10
1S 1040E	1	24.9	154	1	1	2	19	5
1S 1060E	1	21.3	68	1	1	1	13	5
1S 1080E	2	27.7	116	1	1	1	16	5
1S 1100E	1	31.9	242	1	1	2	34	20
1S 1120E	1	31.2	164	1	1	1	21	5
1S 1140E	3	25.3	125	1	1	1	19	5
1S 1160E	2	26.7	105	1	1	1	19	5
1S 1180E	3	23.4	227	1	1	2	22	5
1S 1200E	4	22.1	100	1	1	2	22	10
1S 1260E	1	22.3	77	1	1	1	20	5
1S 1280E	15	16.1	34	1	1	1	13	5
1S 1300E	3	25.6	57	1	1	1	17	5
1S 1320E	29	10.6	20	1	1	1	7	5
1S 1340E	2	36.1	70	1	1	1	23	5
1S 1360E	2	47.9	125	1	1	2	34	5
1S 1380E	2	48.1	88	1	1	2	27	5
1S 1400E	15	16.4	21	1	1	1	11	10
1S 1420E	9	20.4	29	1	1	1	16	5
1S 1440E	2	28.4	59	1	1	1	20	5
1S 1460E	13	21.3	24	1	1	1	14	5
1S 1480E	2	20.8	70	1	1	1	17	5
1S 1500E	4	18.4	63	1	1	1	15	10
4S 1500E	2	25.0	132	1	1	2	23	10
4S 1520E	1	24.4	131	1	1	2	24	5
4S 1540E	1	24.7	138	1	1	2	23	5
4S 1560E	2	22.7	104	1	1	1	21	5
4S 1580E	1	21.2	82	1	1	1	18	5
4S 1600E	1	35.8	171	1	2	2	35	5
4S 1620E	4	29.5	101	1	1	2	26	10
4S 1640E	3	35.6	123	1	2	2	31	5
4S 1660E	2	24.9	85	1	1	2	21	5
4S 1680E	3	26.6	104	1	1	2	24	5
4S 1700E	2	26.8	133	1	2	2	25	30
4S 1720E	4	32.1	152	1	3	2	32	10
4S 1740E	4	29.9	149	1	3	2	30	10
6S 1360E	1	37.3	195	1	3	2	37	50
6S 1380E	1	34.7	181	1	3	2	32	5
6S 1400E	2	28.3	156	1	1	2	27	10
6S 1420E	4	32.1	137	1	1	2	26	20
6S 1440E	2	34.2	171	1	1	2	32	10
6S 1460E	1	24.2	169	1	2	2	24	5
6S 1480E	5	24.6	191	1	2	2	25	10
6S 1500E	7	23.9	90	1	1	1	16	40
6S 1540E	8	24.7	69	1	1	1	16	10
6S 1560E	3	40.6	181	1	3	2	27	5
6S 1580E	1	33.5	198	1	1	2	28	5
6S 1600E	3	35.7	309	1	3	3	30	10
6S 1620E	4	44.7	248	1	2	2	31	5
6S 1640E	3	35.5	141	1	2	2	24	30
6S 1660E	3	28.6	148	1	3	2	26	5
6S 1680E	1	29.6	161	1	1	2	28	5
6S 1700E	3	26.5	139	1	2	2	29	10
6S 1720E	2	28.5	325	1	1	2	25	5
6S 1740E	3	23.4	158	1	2	1	17	20

PROJECT NO: 318

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: 7-1105S/P5+6

ATTENTION: T.L. SADLER-BROWN

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

* TYPE SOIL GEOCHEM *

DATE: SEPT 1, 1987

(VALUES IN PPM)	AG	AL	AS	B	BA	BE	BI	CA	CD	CO	CU	FE
6S 1780E	1.7	14610	10	8	108	1.1	1	1650	3.0	5	25	30780
6S 1800E	2.5	16420	7	8	93	1.0	1	1640	1.7	5	21	28480
6S 1820E	1.4	7750	3	3	83	.4	3	1240	1.9	2	5	10000
6S 1840E	1.4	9590	8	5	80	.6	1	1180	1.3	3	10	16900
6S 1860E	3.1	12380	12	7	97	1.0	1	1620	2.3	4	20	35710
6S 1880E	2.8	11750	15	6	124	1.1	1	2740	3.3	7	27	35870
6S 1900E	1.3	6940	3	3	71	.5	1	920	2.2	3	8	17620
6S 1920E	2.9	13810	11	7	70	1.0	1	660	2.0	3	14	31360
6S 1940E	1.9	12980	13	6	100	1.2	1	1360	2.4	5	19	36470
6S 1960E	2.2	12920	10	6	75	.8	1	1110	1.9	4	18	26370
6S 1980E	1.7	12630	9	6	124	.9	1	1130	2.3	5	18	29320
6S 2000E	1.5	13700	14	8	123	1.0	1	1190	2.7	5	19	31550
6S 2020E	3.0	18550	3	9	106	1.2	1	1320	2.4	5	20	34830
6S 2040E	1.7	12200	15	7	70	1.0	1	1660	2.0	7	25	32280
6S 2060E	.8	15020	16	8	97	1.1	1	2210	4.0	6	44	33490
6S 2080E	.9	17620	12	10	88	1.2	1	1460	2.6	6	38	34870
6S 2100E	1.1	12600	12	6	104	.6	1	870	2.0	4	17	19400
6S 2120E	.9	12990	1	7	82	.8	1	950	1.1	4	14	23090
6S 2140E	1.0	14610	14	7	86	1.1	1	1250	2.5	5	33	31830
6S 2160E	1.3	12730	1	6	75	.7	1	1630	2.0	4	16	22460
6S 2180E	1.8	15260	9	7	82	.9	1	1630	2.5	6	18	28010
6S 2200E	1.0	10670	1	6	86	.6	1	1490	2.0	3	13	19450
8S 1240E	1.2	8530	16	4	71	1.1	1	4070	2.3	8	60	33320
8S 1260E	1.1	10950	13	7	76	1.4	1	4130	2.6	8	80	43770
8S 1280E	1.0	11680	29	7	62	2.1	1	1720	5.0	11	151	67370
8S 1300E	.8	7820	2	4	75	1.1	1	1390	2.0	9	49	34120
8S 1320E	1.0	10630	6	5	70	1.1	1	1760	3.3	7	59	33330
8S 1340E	1.2	10510	3	4	69	1.1	1	1720	2.0	7	60	34160
8S 1360E	.5	11170	4	5	73	.8	1	970	1.2	4	22	25240
8S 1380E	.9	10420	8	4	75	.8	1	1030	2.0	4	15	23280
8S 1400E	.6	12110	2	7	73	1.0	1	1490	1.6	4	22	29470
8S 1420E	.6	9450	4	5	62	.7	1	1310	1.2	3	15	22020
8S 1460E	1.0	15130	15	8	123	1.6	1	1560	3.9	8	83	50390
8S 1480E	1.2	14040	17	7	148	1.4	1	1730	3.0	9	69	43080
8S 1500E	.9	14260	18	8	90	1.6	1	1150	1.7	6	40	50260
8S 1520E	1.1	14180	4	7	85	1.4	1	910	2.9	9	46	43890
8S 1540E	.9	11760	10	5	75	1.3	1	700	2.6	7	34	42820
8S 1560E	1.1	9910	4	5	79	1.5	1	870	2.3	11	40	49800
8S 1580E	1.3	11930	14	7	99	1.8	1	1250	3.3	13	59	56540
8S 1600E	1.2	12790	16	7	153	1.3	1	930	2.9	8	29	42140
8S 1620E	1.1	11840	11	6	125	1.3	1	960	1.9	9	44	41400
8S 1640E	1.8	17020	14	8	97	1.4	1	970	1.8	6	28	42730
8S 1660E	.6	8470	4	5	41	.3	3	640	.9	2	6	7640
8S 1680E	.8	9560	11	5	51	1.0	1	730	1.8	5	40	33570
8S 1700E	.8	13390	18	7	73	1.2	1	1020	1.9	5	36	39400
8S 1720E	1.6	13700	9	8	85	2.0	1	1240	3.5	10	72	64650
8S 1740E	1.6	13030	6	17	85	1.5	1	1310	2.3	7	52	49440
8S 1760E	1.8	13620	10	17	88	1.7	1	1240	3.7	9	64	55480
8S 1780E	.9	11440	14	5	65	.8	1	760	1.7	4	24	26550
8S 1800E	1.5	11040	3	5	160	.6	4	930	2.0	4	14	19420
8S 1820E	1.0	12920	5	7	109	1.3	1	1030	2.8	5	37	43020
8S 1840E	1.2	12660	11	6	73	.8	1	920	1.8	4	21	26010
8S 1860E	1.1	9150	3	3	95	.9	1	870	1.6	4	16	28590
8S 1880E	1.1	8850	1	3	60	.6	4	850	1.6	3	9	18320
8S 1900E	.9	11960	4	5	101	1.3	1	860	2.5	6	27	43200
8S 1920E	1.1	9200	5	3	60	.5	1	540	.8	2	7	15270
8S 1940E	.8	12860	6	15	85	1.2	1	930	2.0	5	22	37990
8S 1960E	1.7	10100	16	4	103	1.4	1	840	2.4	7	36	44470
8S 1980E	.5	13500	10	7	75	1.0	1	990	1.7	6	46	34430

PROJECT NO: 318

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: 7-1105S/P5+6

ATTENTION: T.L. SADLER-BROWN

(604)980-5814 DR (604)988-4524

* TYPE SOIL GEOCHEM * DATE: SEPT 1, 1987

(VALUES IN PPM)	K	LI	MG	MN	MO	NA	NI	P	PB	SB	SR	TH
6S 1780E	750	17	4900	270	2	30	31	1020	22	3	43	1
6S 1800E	790	19	5590	271	2	40	28	1140	17	4	26	1
6S 1820E	690	7	2260	254	1	30	6	460	12	3	42	1
6S 1840E	690	9	2910	193	1	20	10	670	11	3	27	1
6S 1860E	600	12	4270	258	1	20	18	1470	13	4	54	1
6S 1880E	710	14	4420	718	2	30	29	1570	26	3	66	1
6S 1900E	560	6	2110	195	1	10	5	710	19	3	41	1
6S 1920E	640	16	4080	192	2	20	10	950	22	4	3	1
6S 1940E	610	15	3550	454	1	30	17	2140	22	4	46	1
6S 1960E	690	17	4440	192	2	20	19	860	12	3	12	1
6S 1980E	620	17	4160	350	1	20	17	1240	14	4	26	1
6S 2000E	850	15	5880	289	2	30	20	1690	17	3	27	1
6S 2020E	1030	26	6150	247	2	30	20	590	9	5	1	1
6S 2040E	500	17	4500	276	1	20	25	910	19	4	20	1
6S 2060E	1300	15	7020	488	1	40	35	510	21	4	14	1
6S 2080E	1010	24	8510	393	1	50	33	390	9	5	16	1
6S 2100E	750	12	4330	282	1	40	21	360	15	4	3	1
6S 2120E	600	16	3970	155	1	30	22	700	11	4	4	1
6S 2140E	900	15	5750	215	2	40	30	590	18	5	7	1
6S 2160E	720	15	4310	246	1	30	24	590	12	4	22	1
6S 2180E	650	21	4670	316	1	20	32	850	11	5	19	1
6S 2200E	700	11	4470	298	1	30	14	780	12	4	20	1
8S 1240E	500	9	4340	380	2	60	41	680	23	4	57	1
8S 1260E	750	12	4610	512	2	30	42	610	39	4	42	1
8S 1280E	630	12	4630	426	1	40	58	590	32	4	16	1
8S 1300E	500	6	3160	528	6	20	26	570	24	4	33	1
8S 1320E	660	9	4090	545	1	30	37	480	18	4	15	1
8S 1340E	590	9	4250	540	1	30	38	450	26	5	13	1
8S 1360E	460	17	3430	149	2	10	17	430	9	3	2	1
8S 1380E	410	15	3090	197	1	20	11	480	11	4	8	1
8S 1400E	520	18	2970	191	2	30	15	710	10	4	14	1
8S 1420E	390	15	2270	167	1	20	7	570	10	3	20	1
8S 1460E	570	12	4290	356	2	30	39	690	19	4	35	1
8S 1480E	650	12	4220	614	1	40	41	650	15	6	8	1
8S 1500E	580	12	3500	302	1	30	26	2290	23	3	26	1
8S 1520E	480	18	3780	404	1	30	36	1420	11	4	8	1
8S 1540E	420	12	3120	215	2	30	26	1460	20	3	7	1
8S 1560E	530	6	2940	538	1	20	36	1380	35	4	15	1
8S 1580E	570	9	2920	383	2	40	44	1760	39	3	23	1
8S 1600E	510	12	3020	415	1	30	21	990	34	3	5	1
8S 1620E	820	7	2480	862	3	40	32	1060	25	4	9	1
8S 1640E	730	20	3630	433	1	30	19	1250	20	5	19	1
8S 1660E	520	2	1080	109	1	30	3	250	11	4	14	1
8S 1680E	610	6	2700	143	2	30	23	860	16	4	12	1
8S 1700E	820	11	3610	229	1	40	20	1530	20	3	10	1
8S 1720E	480	12	3540	315	1	30	46	1330	41	4	15	1
8S 1740E	530	12	3240	323	2	40	33	1260	22	4	1	1
8S 1760E	520	14	3520	341	1	40	43	1320	27	3	20	1
8S 1780E	540	13	2610	158	1	30	21	560	38	4	15	1
8S 1800E	550	7	2030	3233	1	50	13	580	35	4	10	1
8S 1820E	770	14	4190	310	2	40	17	1280	20	4	4	1
8S 1840E	680	16	3660	460	2	40	12	490	17	4	1	1
8S 1860E	710	7	2350	694	2	30	12	960	27	4	19	1
8S 1880E	590	7	1690	207	1	20	4	770	18	3	16	1
8S 1900E	490	12	3170	435	2	30	16	1870	24	4	12	1
8S 1920E	430	6	1570	379	1	30	3	750	17	4	12	1
8S 1940E	600	11	2730	360	1	40	17	1940	19	4	14	1
8S 1960E	620	9	3100	655	2	20	21	1830	36	3	22	1
8S 1980E	660	17	4550	235	2	30	28	570	14	3	16	1

PROJECT NO: 318

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: 7-11055/PS+6

ATTENTION: T.L. SADLIER-BROWN

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

* TYPE SOIL GEOCHEM * DATE: SEPT 1, 1987

(VALUES IN PPM)	U	V	ZN	GA	SN	W	CR	AU-PPB
6S 1780E	1	26.8	150	6	1	2	27	5
6S 1800E	3	28.3	180	1	5	2	28	5
6S 1820E	1	17.7	57	1	1	1	16	5
6S 1840E	1	22.4	70	4	1	1	19	10
6S 1860E	3	30.5	95	4	1	2	25	10
6S 1880E	4	28.5	115	6	3	2	26	30
6S 1900E	2	21.8	54	2	1	1	15	10
6S 1920E	1	26.2	81	3	3	2	24	20
6S 1940E	2	27.8	155	2	3	2	24	5
6S 1960E	1	22.7	127	1	1	2	22	5
6S 1980E	1	26.3	140	1	1	2	25	10
6S 2000E	1	30.7	105	3	2	2	31	5
6S 2020E	4	28.4	146	1	1	2	29	5
6S 2040E	1	22.6	101	1	1	2	22	5
6S 2060E	3	29.8	127	1	1	2	32	5
6S 2080E	1	29.1	124	1	2	2	30	10
6S 2100E	1	24.5	81	1	1	1	23	5
6S 2120E	3	23.6	119	1	1	2	21	5
6S 2140E	1	28.5	107	1	1	2	28	5
6S 2160E	1	22.1	114	1	1	2	21	5
6S 2180E	3	23.3	163	1	2	2	23	10
6S 2200E	2	22.1	87	1	1	1	23	5
8S 1240E	2	22.9	163	1	1	1	20	40
8S 1260E	1	23.1	196	1	1	2	23	10
8S 1280E	1	26.0	238	1	2	2	26	20
8S 1300E	2	21.8	167	1	1	1	16	10
8S 1320E	1	23.2	135	1	1	1	21	5
8S 1340E	1	22.3	139	1	1	1	21	5
8S 1360E	1	23.7	131	1	1	1	18	5
8S 1380E	1	24.1	124	1	1	1	18	5
8S 1400E	1	28.2	235	2	11	2	21	5
8S 1420E	1	24.6	180	1	7	1	16	5
8S 1460E	1	35.1	203	1	6	2	22	10
8S 1480E	1	31.0	186	1	7	2	25	40
8S 1500E	1	37.6	148	1	1	2	27	10
8S 1520E	1	26.9	185	2	11	2	25	5
8S 1540E	1	30.2	135	1	3	2	24	5
8S 1560E	3	36.3	126	2	8	2	27	5
8S 1580E	1	34.9	174	1	4	2	28	5
8S 1600E	1	32.9	148	1	4	2	26	80
8S 1620E	1	33.2	148	2	1	2	24	5
8S 1640E	1	31.3	169	1	6	2	29	5
8S 1660E	2	20.4	30	1	1	1	14	5
8S 1680E	1	28.3	101	1	1	1	23	5
8S 1700E	1	31.6	119	1	1	2	27	5
8S 1720E	1	34.8	176	1	1	2	29	410
8S 1740E	1	30.3	157	1	1	2	25	15
8S 1760E	1	30.6	171	1	1	2	26	10
8S 1780E	1	27.6	129	1	1	1	20	5
8S 1800E	1	29.2	93	3	1	1	21	5
8S 1820E	1	33.9	133	1	2	2	27	10
8S 1840E	1	29.4	153	1	2	2	26	5
8S 1860E	1	28.7	97	1	1	1	20	5
8S 1880E	1	24.5	78	1	1	1	16	5
8S 1900E	1	31.7	165	1	2	2	25	5
8S 1920E	1	25.3	51	1	1	1	17	5
8S 1940E	1	32.9	150	1	1	2	24	5
8S 1960E	1	33.0	132	1	1	2	24	5
8S 1980E	1	30.9	155	1	1	2	26	40

PROJECT NO: 318

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: 7-1105S/P7+8

ATTENTION: T.L. SADLER-BROWN

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

* TYPE SOIL GEOCHEM * DATE: SEPT 1, 1987

(VALUES IN PPM)	AG	AL	AS	B	BA	BE	BI	CA	CD	CO	CU	FE
BS 2020E	.9	6840	7	6	59	1.3	1	970	2.2	7	45	41340
BS 2040E	.9	13800	8	8	105	1.1	1	1600	1.9	8	25	35940
BS 2060E	1.0	13500	15	8	69	1.1	2	1870	2.1	7	32	37650
BS 2080E	1.9	9410	1	6	162	1.0	3	1820	5.2	9	31	33630
BS 2100E	2.4	17310	9	9	96	1.5	1	5570	3.2	9	42	43330
BS 2120E	2.1	17240	9	10	94	1.4	1	5270	3.1	9	41	43900
BS 2140E	4.4	12730	14	9	102	1.5	1	22880	4.1	8	87	45460
BS 2160E	1.3	7560	5	6	35	.8	1	1200	1.2	3	21	26250
BS 2180E	1.0	4570	1	1	19	.2	2	600	.3	2	5	6310
BS 2220E	.9	10720	1	5	52	1.3	1	1580	2.3	7	46	39050
BS 2260E	.9	11270	3	4	72	.9	1	1550	1.5	5	18	30140
BS 2280E	1.4	12560	7	5	118	1.0	1	970	2.6	4	18	27730
BS 2300E	1.3	15630	20	7	116	1.2	1	1430	4.4	7	42	39940
BS 2320E	1.4	11750	6	5	90	.8	1	1840	2.6	3	15	22880
BS 2340E	1.0	13610	7	5	60	.9	1	2050	2.3	5	17	30150
BS 2360E	1.1	15220	7	7	70	1.0	1	2360	3.0	6	23	32310
BS 2380E	1.1	12040	7	5	63	1.0	1	2060	1.8	5	26	31670
BS 2400E	.9	13020	10	5	54	.9	1	2430	2.2	6	22	30320
10S 820E	1.3	12240	1	5	73	1.0	1	4360	2.4	7	36	34680
10S 840E	.9	6320	8	1	71	.4	2	1450	1.1	3	8	13670
10S 860E	1.1	9470	9	2	52	.6	1	1910	1.4	2	7	17940
10S 880E	.8	8340	3	2	49	.6	2	1790	1.9	3	13	19210
10S 900E	1.4	6990	3	1	72	.4	2	1750	1.2	4	8	12730
10S 920E	.5	8440	6	2	37	.6	2	920	1.3	4	13	19070
10S 940E	1.1	10280	13	4	72	.8	1	13260	2.6	6	38	27010
10S 960E	.9	6540	6	1	46	.6	1	15630	1.5	4	21	17690
10S 980E	.7	11220	3	4	83	1.1	1	1930	2.1	8	50	33730
10S 1000E	.8	10990	3	4	78	.9	1	1580	2.4	5	32	27390
10S 1020E	.7	9180	9	2	51	.6	1	1010	1.1	4	10	17090
10S 1040E	1.0	12390	2	4	77	1.0	1	2060	3.3	6	41	30980
10S 1060E	1.1	14480	7	7	111	1.1	1	2490	2.3	7	35	31890
10S 1080E	1.0	11750	7	16	89	1.1	1	2280	3.6	7	43	32960
10S 1100E	1.3	10370	4	3	88	1.0	1	3260	2.8	7	36	30300
10S 1120E	.9	8710	11	3	61	1.1	1	1690	3.6	9	41	33430
10S 1140E	1.0	9320	1	2	59	.9	1	1940	2.0	6	30	26350
10S 1160E	.8	13770	7	6	132	1.2	1	2420	3.7	7	40	34830
10S 1180E	.8	14010	17	5	76	1.2	1	1430	3.0	7	41	33660
10S 1200E	1.1	12900	11	5	150	.9	1	2680	3.7	6	28	29220
10S 1220E	1.4	12270	11	4	89	.9	1	1820	3.3	6	24	26950
10S 1240E	1.3	13170	14	5	136	1.4	1	1430	2.7	7	52	43210
10S 1260E	1.0	10660	11	11	56	.9	1	780	1.9	3	12	25910
10S 1280E	1.2	13080	2	6	119	1.6	2	1150	3.0	7	47	51230
10S 1300E	1.0	11730	10	4	73	1.1	1	1060	2.0	5	31	35020
10S 1320E	.8	8570	1	2	48	.8	1	1160	1.7	4	26	23630
10S 1340E	1.3	9370	9	2	65	.6	3	860	.9	4	10	20300
10S 1360E	1.1	10740	10	4	83	1.0	1	1310	1.9	4	13	31260
10S 1380E	1.0	10720	8	14	44	1.0	1	1550	2.7	5	28	33170
10S 1400E	1.0	8460	2	2	47	.8	1	750	1.2	2	12	28030
10S 1420E	1.0	3570	10	8	24	.1	3	740	.1	1	3	2250
10S 1440E	.7	10700	7	2	80	.6	1	870	1.5	3	17	18390
10S 1460E	.9	13540	15	4	104	1.2	1	990	2.2	6	60	35410
10S 1480E	.7	13930	12	4	88	1.0	1	1010	2.4	6	32	29310
10S 1500E	1.0	8590	12	3	165	1.0	1	6880	2.9	6	30	29770
10S 1520E	.7	8130	1	1	58	.7	1	570	.6	5	15	23760
10S 1540E	1.0	6980	3	1	124	.6	1	1080	1.4	4	15	18140
10S 1560E	.7	4440	3	1	43	.2	2	640	.3	1	5	5130
10S 1580E	1.0	5260	4	1	53	.2	3	560	.1	3	6	7410
10S 1600E	.9	6030	3	1	28	.3	3	640	.5	2	9	10700
10S 1620E	.9	7590	1	1	56	1.0	1	1350	1.0	5	25	33260

(VALUES IN PPM)	K	LI	MG	MN	MO	NA	NI	P	PB	SB	SR	TH
8S 2020E	440	5	2770	495	1	10	39	1030	25	3	15	1
8S 2040E	500	17	5470	593	2	30	24	1190	31	5	28	1
8S 2060E	540	15	6550	432	2	20	20	900	30	6	19	1
8S 2080E	660	7	3680	2942	1	30	18	780	41	4	63	1
8S 2100E	870	20	5170	1204	2	50	37	810	54	7	101	1
8S 2120E	860	20	4990	1104	2	60	30	810	53	5	88	1
8S 2140E	500	12	3470	2117	6	40	49	1390	36	4	357	2
8S 2160E	330	4	2440	159	1	30	10	290	9	4	12	1
8S 2180E	240	2	850	68	1	30	3	120	11	4	20	1
8S 2220E	620	9	4700	479	1	20	23	910	33	4	22	2
8S 2260E	550	12	3630	211	1	20	15	960	26	4	33	1
8S 2280E	850	15	5530	285	1	40	20	670	15	4	13	1
8S 2300E	1210	15	7420	484	1	50	35	840	39	5	14	1
8S 2320E	980	12	4550	305	1	30	14	560	19	4	23	1
8S 2340E	620	16	6250	340	1	30	18	700	14	5	12	2
8S 2360E	860	21	5840	371	2	40	22	530	45	5	16	1
8S 2380E	790	15	5690	323	1	30	18	540	45	5	11	2
8S 2400E	800	15	5380	591	1	30	14	400	28	5	13	2
10S 820E	740	12	5720	487	1	40	26	660	42	5	34	2
10S 840E	490	5	2560	388	1	20	10	350	12	4	26	1
10S 860E	490	11	3380	103	1	30	5	450	11	3	31	1
10S 880E	560	9	3490	138	1	20	9	590	13	5	29	1
10S 900E	510	8	2160	540	1	30	8	430	12	4	37	1
10S 920E	450	12	3340	123	1	20	13	240	12	3	6	1
10S 940E	760	13	6130	380	1	60	28	570	22	3	86	2
10S 960E	440	9	5010	269	1	30	14	550	11	2	101	1
10S 980E	1070	10	4830	436	1	50	39	560	23	5	20	2
10S 1000E	730	11	4320	205	1	60	29	440	16	4	17	1
10S 1020E	430	10	2880	106	1	30	16	280	14	3	8	1
10S 1040E	900	13	6040	424	2	50	31	580	26	5	15	1
10S 1060E	970	14	6340	438	1	60	43	580	15	4	30	1
10S 1080E	910	11	5380	485	2	60	43	690	28	5	54	1
10S 1100E	940	9	4500	591	1	70	37	720	23	4	66	1
10S 1120E	530	7	3350	434	1	30	41	750	16	3	38	1
10S 1140E	700	9	4120	276	1	30	33	650	15	4	37	1
10S 1160E	920	14	6540	407	2	70	41	700	25	3	28	1
10S 1180E	910	14	7290	360	1	30	39	350	16	4	4	1
10S 1200E	960	13	5620	590	1	40	31	650	20	4	47	1
10S 1220E	960	13	5690	424	1	50	26	680	16	5	30	1
10S 1240E	760	14	5110	977	1	30	43	1030	32	5	11	2
10S 1260E	420	15	2980	146	1	30	10	560	13	3	4	1
10S 1280E	580	10	4410	253	3	40	25	1110	42	5	9	1
10S 1300E	650	15	3770	194	2	30	21	960	21	5	15	1
10S 1320E	550	9	2720	223	1	30	18	590	13	5	10	1
10S 1340E	440	15	2030	330	1	30	5	1030	12	4	21	1
10S 1360E	570	15	2830	250	1	30	8	1480	27	4	29	1
10S 1380E	730	9	4140	199	2	50	15	640	25	4	9	1
10S 1400E	490	9	2260	164	1	30	4	1060	17	3	15	1
10S 1420E	350	1	500	36	1	30	1	100	11	3	15	1
10S 1440E	650	12	2710	171	1	30	15	340	16	4	7	2
10S 1460E	540	16	3900	315	1	40	36	480	17	4	15	4
10S 1480E	390	13	3580	163	1	30	34	430	14	4	15	4
10S 1500E	570	11	3260	365	1	10	25	930	22	2	70	4
10S 1520E	320	6	2000	162	1	30	13	850	15	3	12	2
10S 1540E	480	6	1790	881	1	30	11	810	21	3	20	3
10S 1560E	200	1	860	48	1	50	4	130	8	3	18	1
10S 1580E	530	2	830	295	1	30	3	260	14	3	16	2
10S 1600E	370	3	1150	61	1	30	6	340	10	4	14	1
10S 1620E	670	4	2130	155	1	30	18	2090	33	5	53	5

PROJECT NO: 318

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: 7-11055/P7+8

ATTENTION: T.L. SADLER-BROWN

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

* TYPE SOIL GEOCHEM * DATE: SEPT 1, 1987

(VALUES IN PPM)	U	V	ZN	GA	SN	W	CR	AU-PPB
8S 2020E	3	26.7	119	1	2	1	20	10
8S 2040E	1	39.9	221	1	3	2	27	20
8S 2060E	3	42.9	181	1	3	2	31	10
8S 2080E	1	38.0	180	1	1	2	25	5
8S 2100E	6	29.4	179	1	2	2	28	5
8S 2120E	4	29.7	177	1	3	2	28	5
8S 2140E	1	21.2	91	1	2	2	25	5
8S 2160E	1	42.7	77	1	1	1	20	5
8S 2180E	20	15.0	21	2	2	1	10	5
8S 2220E	2	28.0	130	1	1	2	22	5
8S 2260E	1	27.8	136	1	2	1	24	5
8S 2280E	1	27.0	127	1	2	2	28	5
8S 2300E	1	34.1	172	1	2	2	35	5
8S 2320E	1	27.6	109	1	1	2	24	5
8S 2340E	2	24.8	90	1	1	2	20	10
8S 2360E	1	27.5	134	1	1	2	24	5
8S 2380E	3	26.0	128	1	1	2	24	5
8S 2400E	1	27.1	95	1	1	2	23	10
10S 820E	1	28.4	124	1	1	2	28	5
10S 840E	5	22.4	46	1	1	1	16	5
10S 860E	2	21.3	45	1	1	1	16	5
10S 880E	1	19.7	51	1	1	1	16	40
10S 900E	4	15.6	43	1	1	1	14	5
10S 920E	1	18.5	58	1	1	1	16	10
10S 940E	2	21.4	96	1	1	1	17	5
10S 960E	1	13.5	47	1	1	1	10	10
10S 980E	1	24.9	129	1	1	2	25	10
10S 1000E	1	23.5	93	1	1	2	23	5
10S 1020E	2	18.1	66	1	1	1	16	5
10S 1040E	2	26.9	111	1	1	2	28	5
10S 1060E	2	31.2	127	1	2	2	32	5
10S 1080E	3	26.0	133	1	1	2	29	15
10S 1100E	1	23.6	109	1	1	1	26	5
10S 1120E	1	18.9	138	1	2	1	20	10
10S 1140E	4	21.8	109	1	1	1	21	5
10S 1160E	3	29.7	158	1	1	2	32	5
10S 1180E	2	29.6	120	2	1	2	33	5
10S 1200E	1	27.8	148	1	1	2	29	5
10S 1220E	4	24.5	113	1	2	2	26	10
10S 1240E	5	27.0	181	1	4	2	29	5
10S 1260E	3	21.6	65	1	1	1	19	5
10S 1280E	3	37.6	147	1	1	2	27	30
10S 1300E	2	27.3	137	2	2	2	22	5
10S 1320E	1	20.8	90	1	2	1	16	10
10S 1340E	3	22.5	104	1	3	1	18	5
10S 1360E	2	26.5	131	2	2	2	21	5
10S 1380E	3	44.4	140	2	1	2	25	10
10S 1400E	1	28.7	77	2	1	1	18	5
10S 1420E	20	10.1	11	4	1	1	7	5
10S 1440E	1	25.2	79	1	1	1	18	5
10S 1460E	1	26.8	156	2	1	2	23	10
10S 1480E	2	26.5	111	1	1	2	22	30
10S 1500E	1	19.9	222	1	2	1	16	5
10S 1520E	1	25.9	80	1	2	1	17	5
10S 1540E	1	20.2	87	1	2	1	15	5
10S 1560E	10	15.1	17	2	1	1	13	5
10S 1580E	10	15.9	34	2	1	1	10	5
10S 1600E	8	18.6	42	1	1	1	14	10
10S 1620E	1	29.6	89	1	1	1	18	5

PROJECT NO: 318

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: 7-11055/P9+10

ATTENTION: T.L. SADLIER-BROWN

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

* TYPE SOIL GEOCHEM * DATE: SEPT 1, 1987

(VALUES IN PPM)	AG	AL	AS	B	BA	BE	BI	CA	CD	CO	CU	FE
10S 1660E	.8	11810	4	6	77	.6	1	1510	1.4	4	15	19590
10S 1680E	.7	11820	6	7	96	.9	1	1220	1.9	6	45	30980
10S 1700E	1.0	8090	1	3	77	.5	1	1810	1.2	4	12	16940
10S 1720E	1.2	11970	2	9	85	.8	2	1220	1.8	6	16	27050
10S 1740E	1.2	7830	2	4	49	.5	2	800	1.3	3	11	16140
10S 1760E 40M	1.4	13870	21	6	84	1.9	2	1120	3.1	11	59	55510
10S 1780E	1.5	16770	8	8	97	2.1	1	1810	3.0	8	54	67580
10S 1800E	1.1	11840	14	4	66	1.1	1	900	1.8	5	30	36120
10S 1820E	.8	6130	5	4	66	.3	2	1180	.5	3	12	11580
10S 1840E	.9	11560	15	4	72	1.2	1	1080	2.1	7	35	40760
10S 1860E	.8	7740	1	3	73	.4	2	1000	1.0	3	12	14380
10S 1880E	.8	7120	1	2	54	.4	2	640	.5	3	11	12180
10S 1900E	1.1	6520	1	2	54	.8	1	1120	1.6	6	24	26220
10S 1920E	1.1	6000	3	1	45	.4	3	1130	.7	3	10	12550
10S 1940E	1.1	6520	8	2	55	.6	1	780	.6	4	15	21490
10S 1960E	2.1	5830	5	3	40	.5	1	1620	1.4	3	12	15420
10S 1980E	1.4	5660	4	1	63	.4	2	1100	2.6	4	11	13240
10S 2000E	1.5	16870	6	10	83	1.5	1	1130	2.5	7	52	47700
10S 2020E	1.2	6820	9	2	49	.8	1	1690	2.6	5	24	27850
10S 2040E	1.2	14120	11	6	79	1.2	1	3270	3.7	9	29	38520
10S 2060E	1.2	16980	8	7	81	1.3	1	2020	4.1	10	32	44430
10S 2100E	1.2	10890	13	4	46	1.0	1	1750	2.6	5	20	35260
10S 2120E	.8	14050	10	8	54	1.0	1	2670	2.3	6	19	31730
10S 2140E	.8	12500	5	4	87	1.0	1	2130	1.8	5	27	32910
10S 2160E	1.0	5130	1	2	29	.4	1	550	.6	2	7	9780
10S 2180E	1.2	15510	11	7	84	1.2	1	1140	2.0	6	30	37490
10S 2200E	1.0	11830	9	4	57	1.2	2	2920	3.2	7	53	38590
10S 2220E	1.4	3840	3	1	61	.2	1	4930	2.7	2	12	6720
10S 2240E	1.8	25740	13	10	139	1.4	1	3200	4.3	7	44	36990
10S 2280E	.7	13770	7	4	43	.9	1	1240	1.7	4	10	26620
10S 2300E	.9	11010	12	11	43	.7	1	2060	2.4	3	13	22690
10S 2320E	.7	10640	1	3	37	.7	1	970	1.9	3	15	23350
10S 2340E	4.2	28520	21	13	184	1.8	2	4770	4.9	8	92	47560
10S 2360E	1.2	12700	11	4	73	.9	1	3000	4.3	5	32	27440
10S 2380E	.8	15740	1	6	70	1.0	1	4760	2.5	5	29	31550
10S 2400E	.8	14730	13	5	66	1.0	1	2930	2.2	5	19	30860
10S 2520E	.9	11030	5	3	53	.9	1	2250	2.0	5	33	29140
10S 2540E	1.2	13470	1	4	73	.9	1	6080	1.5	6	32	29890
10S 2560E	1.3	17250	1	7	133	1.2	1	4460	3.1	7	37	34890
10S 2580E	1.1	19970	20	8	87	1.3	2	2220	3.0	8	41	41370
10S 2600E	1.3	13660	7	5	56	1.3	1	3300	2.0	8	33	41450
11N 800E	1.2	8430	6	3	64	.7	2	3750	2.0	4	20	22740
11N 840E	1.2	9030	6	2	61	.6	2	1490	1.5	4	15	21910
11N 860E	1.2	12850	6	4	61	1.2	1	930	2.5	4	27	42230
11N 880E	1.1	5620	2	10	38	.4	2	8110	.7	2	12	15440
12S 940E	.8	7500	1	1	37	.9	1	2370	2.1	7	31	27360
12S 960E	.9	8330	14	2	56	.9	1	3000	2.4	8	46	31120
12S 980E	1.0	10640	13	2	66	.7	1	1440	1.6	5	28	25600
12S 1000E	.9	3400	2	1	90	.1	3	860	.5	1	3	3000
12S 1020E	1.0	12990	5	4	84	.8	1	1670	1.6	5	19	25700
12S 1040E	.5	9800	6	2	51	.6	1	930	1.1	3	13	21290
12S 1060E	.9	8900	4	1	47	.7	1	1320	1.1	6	24	21760
12S 1080E	.8	8610	5	1	46	.8	1	730	1.5	4	16	23680
12S 1100E	.7	12330	10	3	61	.8	1	860	1.8	4	17	23560
12S 1120E	.6	8960	1	1	47	.4	1	600	.8	2	8	14180
12S 1140E	.9	10570	12	2	56	.7	1	720	1.2	4	19	23700
12S 1160E	1.0	11690	7	3	58	.8	1	750	1.7	4	21	25410
12S 1180E	.8	9010	9	2	68	.8	1	870	1.0	3	11	25520
12S 1200E	.7	10270	1	2	73	1.0	1	1690	1.8	4	12	30490

PROJECT NO: 318

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: 7-1105S/P9+10

ATTENTION: T.L. SADLIER-BROWN

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

* TYPE SOIL GEOCHEM * DATE: SEPT 1, 1987

VALUES IN PPM	K	LI	MG	MN	MO	NA	NI	P	PB	SB	SR	TH
10S 1660E	480	13	3050	188	1	20	15	350	17	1	14	1
10S 1680E	570	13	4230	467	2	20	31	500	17	3	4	1
10S 1700E	820	4	2560	540	1	50	14	400	16	2	46	1
10S 1720E	730	9	3080	397	1	50	16	920	17	3	51	1
10S 1740E	650	4	1590	150	1	40	10	590	18	4	41	1
10S 1760E 40M	500	15	4280	435	3	40	51	1660	36	4	24	2
10S 1780E	800	13	3960	401	1	30	32	3630	45	5	109	2
10S 1800E	570	8	2650	151	2	30	20	940	19	4	23	1
10S 1820E	810	2	1120	144	1	30	9	370	4	4	41	1
10S 1840E	610	8	3030	194	2	30	30	1350	59	3	37	1
10S 1860E	640	4	1600	130	1	30	11	360	8	3	27	1
10S 1880E	470	4	1370	166	1	20	9	340	7	4	26	1
10S 1900E	570	6	1960	448	1	30	24	540	22	4	31	1
10S 1920E	550	3	1070	108	1	30	9	310	13	4	26	1
10S 1940E	900	4	1350	191	1	40	17	750	23	4	29	1
10S 1960E	480	4	2310	92	1	30	9	280	15	3	19	1
10S 1980E	680	4	1640	313	1	30	10	260	18	3	26	1
10S 2000E	770	21	5290	375	1	40	38	620	20	4	22	2
10S 2020E	770	7	2470	352	1	30	21	500	26	3	38	1
10S 2040E	840	16	5120	941	2	50	22	370	45	4	38	2
10S 2060E	810	29	5260	804	2	40	36	370	30	6	22	2
10S 2100E	570	13	3890	267	1	40	13	360	26	4	17	1
10S 2120E	660	19	4860	214	1	40	18	680	19	5	29	1
10S 2140E	520	16	4670	442	1	30	15	950	24	4	27	1
10S 2160E	270	2	1080	123	2	40	5	180	12	3	12	1
10S 2180E	640	17	5010	413	1	30	15	1240	24	4	15	1
10S 2200E	600	11	4760	349	1	30	27	520	24	4	26	1
10S 2220E	400	2	1060	649	1	40	7	270	14	2	86	1
10S 2240E	750	24	5320	2405	2	100	29	590	37	7	29	1
10S 2280E	370	20	5270	197	1	10	9	190	9	4	7	1
10S 2300E	430	14	4340	171	1	30	13	440	11	2	12	1
10S 2320E	550	12	4220	134	1	20	12	320	10	4	3	1
10S 2340E	1940	26	6840	756	1	120	52	590	32	6	45	2
10S 2360E	470	14	4640	471	1	20	22	430	12	3	45	1
10S 2380E	690	20	5820	390	2	40	20	420	20	3	57	1
10S 2400E	520	16	4850	478	3	30	14	330	19	4	21	1
10S 2520E	560	11	4400	267	1	20	14	630	28	2	21	1
10S 2540E	650	14	5620	446	2	30	24	860	23	2	60	1
10S 2560E	890	16	6510	525	1	110	29	710	23	4	50	1
10S 2580E	830	26	7150	383	2	50	34	550	25	5	26	1
10S 2600E	720	22	6220	379	1	30	26	720	29	4	16	1
11N 800E	630	10	3170	393	1	30	12	540	20	5	57	1
11N 840E	630	10	2920	333	1	10	11	450	21	3	15	1
11N 860E	560	18	4980	308	1	20	17	810	24	3	13	1
11N 880E	260	8	1220	74	1	30	6	220	10	2	101	1
12S 940E	480	9	4240	474	1	50	29	620	20	3	25	1
12S 960E	340	9	4300	405	2	40	32	590	27	3	31	1
12S 980E	590	13	4210	207	1	20	23	960	19	4	17	1
12S 1000E	570	2	610	155	1	20	5	130	11	2	17	1
12S 1020E	760	17	5040	317	2	50	18	520	12	4	5	2
12S 1040E	360	14	3410	103	1	30	11	260	15	3	8	1
12S 1060E	320	10	3060	137	1	40	18	410	25	5	11	1
12S 1080E	290	13	2630	103	1	20	10	590	13	4	6	1
12S 1100E	360	19	4270	139	1	20	18	340	14	4	4	2
12S 1120E	350	13	2750	113	1	20	8	200	15	2	6	1
12S 1140E	450	12	3730	138	1	20	16	310	15	4	11	2
12S 1160E	510	13	3770	129	1	20	15	390	28	4	11	1
12S 1180E	260	11	2030	96	1	10	10	1060	19	4	19	1
12S 1200E	290	11	2260	191	1	10	13	2190	22	4	33	1

(VALUES IN PPM)	U	V	ZN	GA	SN	W	CR	AU-PPB
10S 1660E	1	27.0	97	1	2	1	20	5
10S 1680E	2	28.4	132	1	2	2	24	10
10S 1700E	2	23.9	59	1	1	1	18	10
10S 1720E	1	36.5	121	1	2	1	27	5
10S 1740E	3	23.8	53	1	2	1	17	5
10S 1760E 40M	2	27.8	188	1	1	2	27	5
10S 1780E	1	44.0	166	1	1	2	40	10
10S 1800E	1	33.1	112	1	2	2	23	5
10S 1820E	6	18.6	47	1	1	1	13	5
10S 1840E	1	34.3	131	1	1	2	24	5
10S 1860E	2	21.3	58	1	2	1	15	5
10S 1880E	5	20.4	51	1	2	1	14	10
10S 1900E	1	21.5	92	1	2	1	16	5
10S 1920E	11	21.4	51	2	1	1	14	5
10S 1940E	4	24.1	69	1	1	1	17	5
10S 1960E	5	26.6	64	1	3	1	12	10
10S 1980E	9	18.3	66	1	2	1	13	5
10S 2000E	1	27.9	241	2	2	2	27	5
10S 2020E	2	23.5	130	1	3	1	18	10
10S 2040E	1	27.9	150	1	3	2	24	5
10S 2060E	4	36.7	258	1	2	3	33	5
10S 2100E	4	35.0	129	1	3	2	23	5
10S 2120E	1	37.7	194	1	3	2	25	30
10S 2140E	1	33.1	184	1	1	2	21	5
10S 2160E	12	18.3	30	1	1	1	11	5
10S 2180E	1	36.1	135	1	1	2	27	10
10S 2200E	1	35.3	136	1	2	2	31	35
10S 2220E	7	13.1	59	1	1	1	12	5
10S 2240E	4	27.4	122	1	2	3	26	5
10S 2280E	1	20.4	115	1	2	2	17	10
10S 2300E	6	20.6	116	1	3	1	17	5
10S 2320E	1	24.0	84	1	3	1	16	5
10S 2340E	7	35.6	132	1	2	3	33	10
10S 2360E	4	21.7	148	2	2	1	19	5
10S 2380E	4	21.7	93	2	3	2	19	5
10S 2400E	1	24.3	89	2	2	2	19	5
10S 2520E	1	20.2	95	1	2	1	17	5
10S 2540E	1	20.1	104	3	2	2	17	5
10S 2560E	3	25.1	125	3	1	2	22	5
10S 2580E	2	29.6	143	2	2	2	28	10
10S 2600E	2	34.8	162	4	1	2	29	5
11N 800E	2	22.6	76	3	1	1	18	40
11N 840E	2	23.8	80	1	1	1	19	5
11N 860E	2	29.1	112	3	1	2	27	5
11N 880E	3	23.3	40	1	1	1	16	10
12S 940E	2	18.4	109	2	1	1	18	5
12S 960E	1	21.6	119	1	1	1	20	25
12S 980E	2	20.2	99	1	1	1	20	5
12S 1000E	12	7.7	19	7	1	1	7	5
12S 1020E	1	22.3	81	2	1	1	21	5
12S 1040E	1	18.6	46	3	1	1	16	10
12S 1060E	1	15.1	53	1	1	1	15	5
12S 1080E	2	19.8	50	1	1	1	14	5
12S 1100E	1	20.7	58	2	1	2	17	10
12S 1120E	1	17.9	43	1	1	1	11	5
12S 1140E	2	21.9	67	4	1	1	18	5
12S 1160E	1	21.7	65	1	1	1	18	5
12S 1180E	1	23.6	66	3	1	1	15	5
12S 1200E	1	19.8	123	1	1	1	17	10

(VALUES IN PPM)	AG	AL	AS	B	BA	BE	BI	CA	CD	CO	CU	FE
12S 1240E	.7	14220	11	5	51	.9	2	900	1.0	3	14	32220
12S 1260E	.8	9770	8	2	46	.5	1	720	.1	4	9	13870
12S 1280E	.6	10190	10	5	50	.6	3	760	.9	3	10	16650
12S 1300E	.8	11960	8	4	195	.9	2	1610	1.8	5	26	30470
12S 1320E	1.3	12860	1	3	59	.7	1	800	.6	5	13	23860
12S 1340E	.9	11340	12	3	67	1.0	2	790	.9	4	15	31600
12S 1360E	1.0	10520	11	3	55	.6	1	1020	1.3	3	12	18530
12S 1380E	1.0	6950	1	1	44	.4	1	390	1.2	3	7	12320
12S 1400E	.8	7150	4	1	47	.7	1	680	.8	2	12	23460
12S 1420E	.5	9350	10	2	53	.7	1	570	.9	3	16	21950
12S 1440E	.6	13220	11	4	84	1.0	1	830	1.4	4	27	31900
12S 1480E	.9	14560	12	5	92	1.0	1	840	1.7	6	34	31070
12S 1500E	.6	12550	11	14	64	.9	1	600	.8	5	32	29950
12S 1520E	.7	13500	13	4	73	.8	1	1040	1.2	5	24	25990
12S 1540E 40M	.5	9960	9	2	53	1.3	2	490	1.9	6	48	42080
12S 1560E	.6	20050	19	8	61	1.3	1	1050	1.3	7	28	34350
12S 1580E	.9	17860	5	7	74	1.3	1	1060	2.0	6	23	36780
12S 1600E	.9	17530	10	7	71	1.2	1	1050	1.3	6	20	34220
12S 1620E	.9	16460	5	6	64	1.1	1	910	1.4	6	21	29960
12S 1640E	.9	16730	6	6	67	1.1	1	940	2.1	7	22	32020
12S 1660E	.8	16280	1	5	64	1.1	1	830	1.3	7	22	30990
12S 1680E	.8	16120	12	5	65	1.1	2	810	1.6	7	22	31840
12S 1700E	1.0	18460	18	6	65	1.1	1	800	1.9	9	25	30620
12S 1720E 40M	1.3	7220	12	1	54	1.1	1	810	1.7	6	44	37360
12S 1740E	1.1	11290	4	4	91	1.7	1	1180	3.0	9	63	62170
12S 1760E 40M	.9	8040	8	2	61	1.3	1	910	2.2	7	51	43410
12S 1780E	1.0	8220	11	2	64	1.1	1	960	1.9	6	41	38390
12S 1800E	1.4	10370	7	3	71	1.4	1	1070	2.4	7	49	44240
12S 1820E 40M	1.1	7840	13	1	59	1.4	1	940	2.6	7	53	46070
12S 1840E 40M	1.1	7090	2	1	54	1.2	1	880	1.2	6	49	39080
12S 1860E 40M	1.0	7970	6	7	68	1.3	1	1250	2.4	7	50	44450
12S 1880E 40M	1.1	8140	1	6	64	1.4	1	1030	1.5	7	52	45510
12S 1900E	1.6	10140	9	6	80	1.4	1	1230	2.9	7	48	46170
12S 1920E	1.1	12040	4	7	77	1.2	1	940	1.5	4	17	37670
12S 1940E	1.0	8770	1	7	66	.6	2	820	.5	3	12	18070
12S 1960E	.8	8530	4	4	66	.6	1	770	1.3	3	12	20300
12S 1980E	.7	9470	1	6	70	.9	1	800	.6	3	14	27870
12S 2020E	.3	7940	9	4	56	.8	1	650	.8	3	12	25480
12S 2060E	.8	8400	12	5	44	1.1	1	460	1.5	5	32	33850
12S 2080E	.6	9070	7	5	49	.8	1	550	1.2	4	23	27560
12S 2100E	.3	8620	1	5	47	.7	1	530	.6	4	20	23590
12S 2120E 40M	.9	8590	10	5	52	1.1	1	570	.8	5	39	35460
12S 2140E	1.2	9310	10	4	55	.5	2	1130	1.2	3	10	16700
12S 2160E	1.0	10780	6	5	64	.5	1	1150	.6	3	13	18610
12S 2180E	.8	10390	1	4	65	.6	1	1070	1.0	3	13	18940
12S 2200E	1.1	12290	3	6	85	.8	2	1310	1.5	4	16	23110
12S 2220E	1.1	12720	1	5	85	.7	2	1240	1.3	4	17	22320
12S 2240E	1.1	11820	5	4	65	.5	1	1230	1.1	3	11	17450
14S 1040E	.8	10710	12	4	47	1.0	1	2170	1.1	5	23	31530
14S 1060E	.7	14080	12	7	60	1.4	1	870	1.3	7	72	43980
14S 1080E	1.1	8480	7	3	88	.8	1	1440	1.1	4	39	24150
14S 1100E	.8	8360	1	3	49	.7	1	890	1.2	3	15	19890
14S 1120E	.7	9960	3	4	64	1.3	1	690	1.7	6	65	39150
14S 1160E	1.0	11010	7	3	116	.6	3	1530	1.1	4	16	20910
14S 1180E	.8	11690	4	5	63	.8	2	1360	1.4	4	13	23830
14S 1200E	1.1	9510	6	3	49	.6	3	930	.3	4	12	18080
14S 1220E	1.0	9690	2	3	52	.8	3	970	.6	4	21	22650
14S 1240E	1.0	13180	7	5	47	.7	2	460	.7	2	8	22070
14S 1260E	1.0	6910	7	2	49	.8	2	970	.4	5	28	25160

PROJECT NO: 318

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: 7-11055/P11+12

ATTENTION: T.L. SADLIER-BROWN

(604)980-5814 DR (604)988-4524

* TYPE SOIL GEOCHEM * DATE: SEPT 1, 1987

(VALUES IN PPM)	K	LI	MG	MN	MO	NA	NI	P	PB	SB	SR	TH
12S 1240E	370	12	2750	174	2	10	12	1310	15	2	3	1
12S 1260E	280	10	1640	203	1	10	11	320	5	1	13	1
12S 1280E	330	12	1820	139	1	10	8	570	6	3	9	1
12S 1300E	660	9	2790	375	1	20	15	1500	21	1	65	1
12S 1320E	390	16	2290	245	1	10	11	940	4	4	11	1
12S 1340E	450	15	2820	241	1	20	8	1030	13	2	7	1
12S 1360E	440	14	2110	217	1	20	7	520	20	3	8	1
12S 1380E	310	8	1510	163	1	20	3	270	9	3	7	1
12S 1400E	410	4	1680	184	1	10	8	1340	18	3	33	1
12S 1420E	360	13	1840	211	1	10	10	1450	10	4	32	1
12S 1440E	520	11	3120	238	2	30	19	1010	24	4	14	1
12S 1480E	650	20	3660	268	1	40	28	800	19	5	6	1
12S 1500E	440	10	2400	101	1	30	29	610	10	5	11	1
12S 1520E	550	18	2580	178	2	20	20	550	14	4	15	1
12S 1540E 40M	380	12	2780	167	1	30	31	930	26	3	10	1
12S 1560E	450	19	2790	158	1	20	24	1420	10	5	5	1
12S 1580E	560	18	2720	207	1	30	17	1790	23	6	19	1
12S 1600E	550	17	2760	193	2	20	15	1570	21	5	13	2
12S 1620E	480	16	2410	183	1	20	18	1270	16	5	17	1
12S 1640E	500	16	2760	193	1	20	23	1270	16	6	11	2
12S 1660E	450	15	2580	190	1	10	21	1200	13	5	8	2
12S 1680E	430	16	2810	196	1	20	24	1250	10	4	11	2
12S 1700E	470	19	3230	162	1	20	35	980	8	6	2	1
12S 1720E 40M	520	6	2500	240	1	20	32	1210	28	3	24	1
12S 1740E	640	9	3600	323	2	30	43	2480	35	4	49	4
12S 1760E 40M	560	6	2990	257	2	20	41	1300	22	4	26	1
12S 1780E	640	6	2530	241	1	20	28	1370	25	4	34	2
12S 1800E	650	9	3010	297	1	20	36	1460	27	6	20	1
12S 1820E 40M	460	7	2920	261	2	20	38	1370	28	3	27	1
12S 1840E 40M	450	6	2560	243	1	20	34	1050	35	3	23	1
12S 1860E 40M	530	7	2970	281	1	30	37	1500	28	5	35	1
12S 1880E 40M	530	7	3030	289	2	30	42	1470	36	5	34	1
12S 1900E	720	8	3050	322	1	40	35	1690	39	6	39	1
12S 1920E	910	8	2590	226	1	30	14	1540	23	6	33	1
12S 1940E	730	4	1630	451	1	30	11	610	18	4	19	1
12S 1960E	670	5	1710	378	1	30	11	750	17	4	21	1
12S 1980E	620	5	2010	258	1	20	12	1260	24	4	20	1
12S 2020E	490	5	1730	187	1	20	12	1090	17	3	21	1
12S 2060E	340	7	2070	129	2	20	24	790	15	4	12	1
12S 2080E	400	9	1820	107	1	10	19	780	25	4	16	1
12S 2100E	350	8	1700	102	1	20	19	670	21	5	14	1
12S 2120E 40M	350	9	2100	145	3	20	31	760	17	5	12	1
12S 2140E	690	6	1710	164	1	20	8	420	22	6	14	1
12S 2160E	730	8	1960	204	1	30	9	450	18	5	16	1
12S 2180E	600	10	1960	196	1	20	6	470	17	5	15	1
12S 2200E	660	12	2390	200	1	30	10	550	25	5	13	1
12S 2220E	670	12	2310	196	1	30	11	530	21	6	11	1
12S 2240E	610	9	1930	139	1	30	6	380	13	6	12	1
14S 1040E	400	10	4650	337	2	20	15	990	38	5	27	1
14S 1060E	550	13	3860	367	3	30	47	670	13	4	14	1
14S 1080E	490	8	3030	434	6	20	19	470	19	4	13	1
14S 1100E	400	11	2270	86	1	20	12	360	11	6	8	1
14S 1120E	430	12	2180	155	13	20	41	400	9	5	1	1
14S 1160E	550	15	3030	236	1	30	10	280	18	5	11	1
14S 1180E	540	15	3200	153	1	40	7	400	21	4	10	1
14S 1200E	470	13	2660	102	1	30	13	240	12	6	10	1
14S 1220E	370	11	3100	113	1	20	16	350	12	6	9	1
14S 1240E	310	12	1410	50	1	20	5	1100	18	6	8	1
14S 1260E	300	8	2450	153	1	20	14	730	25	4	18	1

PROJECT NO: 318

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: 7-11055/P11+12

ATTENTION: T.L. SADLIER-BROWN

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

* TYPE SOIL GEOCHEM * DATE: SEPT 1, 1987

(VALUES IN PPM)	U	V	ZN	BA	SN	W	CR	AU-PPB
12S 1240E	1	29.6	79	1	1	2	21	5
12S 1260E	1	14.5	90	1	1	1	11	5
12S 1280E	1	19.5	77	2	1	1	14	10
12S 1300E	1	31.9	104	2	1	2	20	5
12S 1320E	1	22.6	123	1	1	2	18	5
12S 1340E	1	23.5	92	1	1	2	19	15
12S 1360E	1	20.5	92	1	1	1	16	5
12S 1380E	1	16.3	46	1	1	1	12	5
12S 1400E	1	25.0	53	1	1	1	15	10
12S 1420E	1	18.4	79	1	1	1	16	5
12S 1440E	1	28.2	106	1	1	2	24	20
12S 1480E	1	28.5	145	2	2	2	24	5
12S 1500E	1	24.4	93	2	1	2	20	45
12S 1520E	1	27.8	128	1	2	2	22	5
12S 1540E 40M	1	21.1	156	1	1	2	20	20
12S 1560E	1	24.5	202	1	3	2	23	15
12S 1580E	1	29.9	183	2	2	2	25	5
12S 1600E	1	27.6	180	3	1	2	23	5
12S 1620E	1	25.2	172	1	2	2	22	5
12S 1640E	1	25.8	185	1	2	2	22	10
12S 1660E	1	24.0	183	1	2	2	21	5
12S 1680E	1	24.0	185	1	2	2	21	5
12S 1700E	1	24.4	215	2	3	2	22	5
12S 1720E 40M	1	19.4	130	3	1	1	20	10
12S 1740E	1	29.2	172	3	2	2	32	25
12S 1760E 40M	2	21.4	146	2	3	2	21	5
12S 1780E	1	23.6	120	1	2	1	23	45
12S 1800E	1	22.9	144	2	2	2	26	15
12S 1820E 40M	1	20.0	165	1	1	2	20	10
12S 1840E 40M	1	18.0	147	3	3	1	18	5
12S 1860E 40M	1	21.1	163	3	1	1	21	10
12S 1880E 40M	2	20.1	164	6	1	2	21	5
12S 1900E	2	26.8	147	2	2	2	30	10
12S 1920E	2	40.0	107	5	1	2	29	5
12S 1940E	6	26.4	71	3	1	1	19	5
12S 1960E	1	27.2	71	1	2	1	18	10
12S 1980E	1	30.7	83	6	2	1	23	5
12S 2020E	1	25.4	78	2	2	1	18	5
12S 2060E	1	21.0	112	1	2	1	17	5
12S 2080E	2	21.9	91	3	1	1	19	10
12S 2100E	2	19.9	85	3	2	1	18	5
12S 2120E 40M	3	18.9	137	3	1	1	17	5
12S 2140E	10	26.3	55	2	2	1	18	5
12S 2160E	3	28.3	70	1	2	1	19	10
12S 2180E	2	25.5	80	1	2	1	19	5
12S 2200E	2	28.6	90	1	3	1	21	5
12S 2220E	1	28.8	96	1	3	2	22	15
12S 2240E	4	28.4	65	1	2	1	20	10
14S 1040E	2	24.5	91	1	3	1	26	10
14S 1060E	1	19.1	198	1	2	2	20	5
14S 1080E	1	13.8	103	1	3	1	12	5
14S 1100E	1	17.8	69	1	2	1	13	10
14S 1120E	2	20.7	201	1	3	2	15	5
14S 1160E	1	27.6	50	1	2	1	16	5
14S 1180E	1	30.6	57	1	1	1	17	15
14S 1200E	4	22.8	47	1	1	1	16	5
14S 1220E	2	19.6	53	1	2	1	16	5
14S 1240E	2	29.2	40	1	2	2	19	5
14S 1260E	1	19.3	73	1	2	1	15	5

(VALUES IN PPM)	AS	AL	AS	B	BA	BE	BI	CA	CD	CO	CU	FE
14S 1300E	.7	13770	4	6	69	.9	1	1220	1.4	5	23	27960
14S 1340E	1.4	22010	20	10	65	1.2	1	1030	2.6	8	26	35530
14S 1360E	1.1	12390	7	5	70	.7	2	830	.8	5	17	22890
14S 1380E	1.8	15110	4	6	65	.7	3	930	.8	4	12	22250
14S 1400E	1.6	25720	4	13	104	1.6	2	1270	2.7	10	35	44770
14S 1420E	1.0	23560	21	11	91	1.4	1	1540	2.4	7	23	43240
14S 1440E	1.7	16160	18	8	104	1.4	1	1440	2.5	9	44	45300
14S 1460E	1.6	22080	6	13	94	1.4	1	2390	3.7	9	40	42190
14S 1480E 40M	1.1	14110	8	6	71	1.5	1	2380	1.5	8	30	43680
14S 1500E	1.7	17990	13	10	88	1.4	1	2130	3.1	10	38	41100
14S 1520E	1.2	9850	4	3	47	.7	1	600	.5	4	14	20670
14S 1540E	1.2	14160	3	7	59	1.2	1	790	1.3	6	25	33120
14S 1560E	1.4	14500	12	6	60	1.2	1	800	1.3	7	26	33740
14S 1580E	1.3	13890	7	6	56	1.0	1	760	1.4	6	22	31410
14S 1600E	1.4	12810	6	5	51	.9	1	660	1.4	5	20	27510
14S 1620E	1.2	12720	8	8	51	.9	2	850	1.5	5	18	26170
14S 1640E	1.7	14560	10	8	61	1.1	2	890	1.7	6	24	31590
14S 1660E	1.6	15070	1	7	67	1.2	2	990	1.9	7	25	36160
14S 1680E	1.2	12850	9	7	58	1.0	1	750	1.4	6	21	31110
14S 1700E	1.3	11860	12	5	52	1.0	1	690	1.4	5	19	27810
14S 1720E	1.0	9840	10	4	46	.7	2	580	.7	5	14	21140
14S 1740E	1.0	8550	8	3	41	.7	1	490	.9	4	13	19330
14S 1760E	.9	8030	5	3	40	.5	2	530	1.1	4	12	16940
14S 1780E	1.0	8500	1	3	39	.6	1	540	.9	4	13	19090
14S 1800E	1.0	9020	3	3	44	.6	1	590	.9	4	13	19160
14S 1820E	1.1	10710	2	5	52	.7	2	680	1.3	5	14	21790
14S 1840E	1.1	8320	8	2	49	.5	2	660	.5	4	11	15940
14S 1860E	2.0	8580	7	3	45	.5	4	650	1.1	4	12	17520
14S 1880E	1.2	9570	7	4	47	.6	1	650	.3	4	13	17860
14S 1900E	1.1	10720	3	8	52	.7	2	660	1.5	5	17	22890
14S 1920E	1.1	7510	4	2	37	.6	2	400	.7	4	11	17730
14S 1940E	1.1	8610	1	3	42	.6	1	430	.8	4	13	20450
14S 1960E	.4	7440	2	2	36	.5	1	370	.7	3	12	17430
14S 1980E	.9	8600	5	3	40	.6	1	450	.5	4	13	19910
14S 2000E	.8	8780	1	2	41	.7	1	400	.4	4	13	20980
14S 2020E	.8	8750	6	3	41	.7	1	460	.8	4	13	20190
14S 2040E	1.1	10290	8	4	48	.7	1	530	1.5	5	15	23390
14S 2060E	1.1	8220	7	2	41	.6	1	460	.9	4	14	19620
14S 2080E	1.2	9110	3	3	45	.6	1	450	.8	4	14	21200
14S 2100E	1.1	8280	5	3	39	.6	1	450	.6	4	12	18380
14S 2120E	1.2	8380	2	2	41	.6	1	470	.6	4	13	19000
14S 2140E	1.2	9390	8	3	43	.7	1	520	1.6	4	13	21650
14S 2160E	1.2	8400	2	2	39	.6	1	420	.6	4	12	18980
14S 2180E	1.0	7960	1	2	38	.5	1	350	.1	3	11	18290
14S 2200E	.9	6430	4	1	33	.5	1	330	.3	3	10	15660
14S 2220E	1.2	8400	2	3	41	.6	1	470	.9	4	13	19210
14S 2240E	.8	7920	5	3	38	.5	1	420	.8	3	10	16250
14S 2260E	1.2	9860	5	4	49	.7	1	510	1.4	5	13	20990
14S 2280E	1.3	9570	9	4	46	.7	1	540	1.1	4	14	21060
14S 2300E	1.1	9040	8	4	45	.8	1	510	1.2	4	14	23160
16S 1020E	1.0	9300	1	3	95	.6	1	1560	.5	4	14	19800
16S 1040E	1.0	8780	10	2	53	.5	1	1320	1.3	3	12	18060
16S 1060E	.8	10020	8	3	42	.7	1	1330	1.6	5	21	22160
16S 1080E	.9	8570	8	2	77	.5	1	1950	1.0	4	10	18080
16S 1100E	.9	12350	4	5	86	.9	1	3740	1.1	6	28	26910
16S 1120E	.8	11960	5	4	74	.9	1	4360	1.5	6	28	25590
16S 1140E	.8	7820	4	2	41	.5	1	770	.1	4	21	18110
16S 1160E	1.0	15040	3	5	96	.8	1	790	.6	5	19	22610
16S 1180E	.9	9150	1	3	43	.7	1	610	.7	2	9	20880
16S 1200F	1.0	10680	6	3	41	.8	1	580	.4	4	20	25400

(VALUES IN PPM)	K	LI	MS	MN	MO	NA	NI	P	PB	SB	SR	TH
14S 1300E	380	11	3600	215	1	30	17	720	22	7	8	1
14S 1340E	490	17	4940	222	2	30	36	640	16	5	10	1
14S 1360E	500	10	3180	287	1	50	14	520	22	5	12	1
14S 1380E	400	12	2860	126	1	30	7	600	18	5	6	1
14S 1400E	710	22	6790	312	1	50	36	950	29	8	20	1
14S 1420E	770	21	7340	250	1	50	24	1170	24	7	4	1
14S 1440E	660	14	3710	465	2	30	28	810	24	6	13	1
14S 1460E	820	28	9410	590	1	50	44	300	31	6	20	1
14S 1480E 40M	410	22	3200	351	2	30	31	630	29	5	17	1
14S 1500E	820	26	4880	721	3	50	36	540	39	6	21	1
14S 1520E	390	8	2040	186	1	20	13	680	13	5	13	1
14S 1540E	490	13	3260	244	2	40	22	840	25	6	7	1
14S 1560E	470	13	3350	256	2	30	21	830	33	6	7	1
14S 1580E	460	12	3220	244	1	30	18	800	27	6	6	1
14S 1600E	400	11	3110	227	1	20	18	670	13	6	3	1
14S 1620E	470	12	3120	208	1	20	17	600	22	5	6	1
14S 1640E	550	13	3390	250	2	30	22	720	23	7	6	1
14S 1660E	570	13	3310	257	1	30	17	960	32	7	16	1
14S 1680E	460	11	2840	237	1	20	15	940	27	6	15	1
14S 1700E	400	12	2770	232	1	30	15	780	21	5	9	1
14S 1720E	350	8	2020	191	1	20	12	640	20	5	12	1
14S 1740E	280	7	1840	170	1	20	13	610	15	5	10	1
14S 1760E	320	6	1660	164	1	30	11	540	14	4	10	1
14S 1780E	320	7	1740	158	1	10	13	540	16	5	11	1
14S 1800E	370	7	1860	178	1	40	10	570	16	4	11	1
14S 1820E	460	8	2160	201	1	30	12	710	19	6	11	1
14S 1840E	420	6	1670	188	1	20	8	510	9	5	13	1
14S 1860E	400	7	1730	174	1	50	9	520	19	5	14	1
14S 1880E	440	7	1830	175	1	20	11	540	16	5	14	1
14S 1900E	410	9	2410	221	1	20	11	670	15	5	11	1
14S 1920E	220	6	1560	159	1	10	10	620	17	4	7	1
14S 1940E	250	7	1760	183	1	10	9	700	15	4	7	1
14S 1960E	250	6	1470	152	1	10	8	610	8	2	3	1
14S 1980E	280	7	1700	171	1	10	10	680	5	3	2	1
14S 2000E	240	8	1820	182	1	10	13	710	15	2	6	1
14S 2020E	300	7	1810	179	1	10	9	690	10	2	5	1
14S 2040E	290	9	2050	214	1	10	10	760	15	4	10	1
14S 2060E	300	7	1800	164	1	10	11	670	20	3	6	1
14S 2080E	280	8	1870	202	1	10	10	730	18	5	8	1
14S 2100E	260	7	1590	170	1	10	10	590	11	4	9	1
14S 2120E	320	7	1740	165	1	10	9	640	19	4	9	1
14S 2140E	310	8	1900	181	1	10	8	710	15	3	7	1
14S 2160E	240	7	1620	172	1	10	11	610	13	4	7	1
14S 2180E	240	7	1480	163	1	10	7	630	16	3	6	1
14S 2200E	240	5	1170	132	1	20	8	580	16	3	7	1
14S 2220E	280	7	1670	169	1	20	12	640	11	4	7	1
14S 2240E	250	7	1480	153	1	10	9	510	15	2	4	1
14S 2260E	330	8	1920	200	1	10	11	660	17	5	12	1
14S 2280E	360	8	2020	187	1	20	11	700	10	4	8	1
14S 2300E	350	8	1990	184	1	10	9	830	16	3	11	1
16S 1020E	470	14	4010	476	1	20	15	640	10	4	19	1
16S 1040E	450	12	3490	232	1	20	10	500	16	4	11	1
16S 1060E	510	15	4500	223	1	20	18	530	18	3	10	1
16S 1080E	640	12	3240	235	1	30	12	500	7	4	21	1
16S 1100E	690	16	4950	284	1	40	20	350	20	4	13	1
16S 1120E	610	15	5120	252	1	30	22	350	15	4	19	1
16S 1140E	270	9	2700	98	1	10	14	270	12	4	3	1
16S 1160E	650	17	4300	117	1	20	14	330	17	4	8	1
16S 1180E	500	13	2990	79	1	10	10	340	105	3	8	1
16S 1200E	300	13	2520	90	1	10	16	450	19	4	3	1

PROJECT NO: 318

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: 7-11055/P13+14

ATTENTION: T.L.SADLER-BROWN

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

* TYPE SOIL GEOCHEM * DATE: SEPT 1, 1987

(VALUES IN PPM)	U	V	ZN	GA	SH	W	CR	AU-PPB
14S 1300E	1	28.0	85	1	1	2	24	5
14S 1340E	2	30.8	125	1	4	2	30	5
14S 1360E	2	27.3	82	1	1	1	22	5
14S 1380E	3	34.4	78	1	1	2	24	10
14S 1400E	1	38.3	175	1	5	3	39	5
14S 1420E	3	40.5	141	1	4	3	39	5
14S 1440E	2	35.1	161	1	2	2	30	5
14S 1460E	2	39.6	156	2	5	2	43	5
14S 1480E 40M	3	22.0	184	1	4	2	22	10
14S 1500E	2	33.3	250	2	4	2	27	95
14S 1520E	1	20.1	89	1	1	1	17	5
14S 1540E	2	26.4	119	1	3	2	23	5
14S 1560E	1	26.6	122	1	1	2	25	10
14S 1580E	2	27.0	115	1	1	2	24	5
14S 1600E	2	24.5	100	1	3	2	22	5
14S 1620E	1	24.7	93	1	1	2	23	5
14S 1640E	1	27.6	114	1	1	2	25	10
14S 1660E	2	28.8	119	1	3	2	25	5
14S 1680E	2	27.4	103	1	2	2	21	5
14S 1700E	2	22.5	103	1	2	2	20	5
14S 1720E	2	19.5	89	1	2	1	16	5
14S 1740E	2	17.1	76	1	2	1	15	10
14S 1760E	2	17.4	71	1	2	1	14	25
14S 1780E	2	17.9	78	1	1	1	15	5
14S 1800E	2	19.1	77	1	1	1	16	5
14S 1820E	2	22.5	84	1	1	1	18	65
14S 1840E	7	19.3	64	1	1	1	15	30
14S 1860E	7	19.4	71	1	1	1	16	5
14S 1880E	7	20.3	73	1	2	1	17	5
14S 1900E	1	21.4	97	1	1	1	17	5
14S 1920E	2	13.7	72	1	2	1	11	5
14S 1940E	2	16.5	80	1	2	1	14	15
14S 1960E	1	15.0	67	1	2	1	11	5
14S 1980E	2	17.1	76	1	1	1	13	10
14S 2000E	1	16.4	81	1	2	1	13	10
14S 2020E	1	17.4	81	1	2	1	14	5
14S 2040E	1	19.0	93	1	2	1	15	5
14S 2060E	2	17.4	76	1	2	1	14	15
14S 2080E	2	17.5	87	1	2	1	15	10
14S 2100E	1	16.4	76	1	2	1	13	10
14S 2120E	1	17.9	75	1	2	1	14	5
14S 2140E	1	18.7	83	1	2	1	14	5
14S 2160E	2	15.3	76	1	2	1	12	5
14S 2180E	1	15.0	70	1	1	1	13	5
14S 2200E	2	13.5	60	1	2	1	11	20
14S 2220E	2	16.8	78	1	1	1	14	5
14S 2240E	1	14.5	68	1	1	1	12	5
14S 2260E	1	18.8	87	2	1	1	16	5
14S 2280E	3	19.0	84	2	1	1	15	10
14S 2300E	2	19.3	83	1	1	1	15	5
16S 1020E	1	15.5	71	1	1	1	15	5
16S 1040E	3	15.3	52	1	1	1	15	5
16S 1060E	1	16.1	62	1	1	1	16	5
16S 1080E	1	15.3	69	1	1	1	14	5
16S 1100E	2	20.9	71	1	1	2	21	10
16S 1120E	3	19.8	69	2	2	1	17	5
16S 1140E	2	12.9	47	1	1	1	11	5
16S 1160E	1	18.9	65	1	1	2	15	10
16S 1180E	2	18.6	47	1	1	1	12	5
16S 1200E	1	19.0	51	1	1	1	16	5

ATTENTION: T.L.SADLER-BROWN

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

* TYPE SOIL BECHEM *

DATE: SEPT 1, 1987

(VALUES IN PPM)	AG	AL	AS	B	BA	BE	BI	CA	CD	CO	CU	FE
16S 1220E	.7	17870	2	8	56	1.2	1	680	1.1	4	14	35460
16S 1240E	.4	16800	12	7	55	1.1	1	790	1.3	4	15	33480
16S 1260E	.7	15510	11	8	69	1.1	1	970	1.5	6	14	30900
16S 1280E	.9	8860	1	3	58	.9	2	520	1.2	5	33	30250
16S 1300E	2.2	18260	9	8	107	1.7	1	1210	2.3	7	41	53650
16S 1340E	1.7	20750	22	9	122	1.3	1	1030	2.5	5	26	42950
16S 1360E	.8	9640	7	4	57	.6	1	980	.7	3	10	19450
16S 1380E	.9	15510	1	10	94	1.4	1	1170	1.3	6	12	43710
16S 1400E	.9	11990	11	5	68	.9	2	1140	1.7	5	16	28050
16S 1420E	.7	6660	2	1	31	.2	2	1020	.8	1	10	6530
16S 1460E	.8	8020	10	2	54	.7	3	1200	.8	4	19	22420
16S 1480E	.6	6790	8	1	58	.4	3	960	.7	3	10	15210
16S 1500E	.2	6760	5	1	51	.5	2	940	1.0	3	10	16180
16S 1520E	1.9	4800	4	1	25	.2	2	890	1.0	2	9	8240
16S 1540E	.1	11730	3	11	58	1.2	1	2320	1.9	6	34	39830
16S 1560E	1.0	21240	19	10	83	1.2	1	950	1.9	8	34	39720
16S 1580E	1.0	20140	17	8	77	1.2	1	990	1.8	8	33	37250
16S 1600E	1.1	21290	3	9	86	1.3	1	1050	2.0	7	32	38760
16S 1620E	1.1	19400	5	11	73	1.2	1	830	1.9	7	31	36290
16S 1640E	1.0	15320	3	9	64	1.0	1	1100	1.2	6	29	31790
16S 1680E	1.0	23720	15	9	79	1.2	1	720	2.5	6	23	40640
16S 1700E	1.4	24820	20	10	81	1.3	1	730	2.0	7	26	41900
16S 1720E	.8	24690	14	13	83	1.4	1	710	2.5	5	22	44790
16S 1740E	.9	22280	18	11	73	1.3	1	620	2.6	5	21	40020
16S 1760E	.8	23390	10	11	77	1.3	1	670	1.4	5	21	41860
16S 1780E	1.0	24730	20	12	81	1.4	1	710	2.3	6	24	42890
16S 1800E	.9	22000	8	9	71	1.2	1	590	2.0	5	21	39560
16S 1820E	.9	21500	9	10	63	1.2	1	540	2.1	5	21	37620
16S 1840E	.5	20830	10	8	67	1.3	1	340	1.6	5	20	43990
16S 1860E	.9	22800	14	10	74	1.2	1	620	3.1	7	29	42280
16S 1880E	.5	22920	1	10	77	1.4	1	680	2.1	6	30	40600
16S 1900E	.5	24300	5	11	76	1.3	2	690	1.9	7	28	42290
16S 1920E	1.1	28790	18	14	101	1.6	2	900	2.3	8	36	49580
16S 1940E	.8	22600	9	10	80	1.3	1	700	1.7	7	30	39490
18S 1040E	.8	11280	10	5	49	.9	1	2320	1.9	6	19	30340
18S 1060E	.7	13910	13	6	106	.8	1	1800	2.6	6	27	26010
18S 1080E	.7	14510	14	6	76	.9	1	1190	1.7	4	19	27160
18S 1100E	.8	14090	4	5	74	.9	2	1210	1.8	5	21	26160
18S 1120E	.8	12810	6	5	68	.7	1	1540	.7	4	10	22010
18S 1140E	.6	10780	1	3	48	.7	1	1010	1.5	4	14	20960
18S 1160E	.4	10320	11	3	53	.8	2	1500	1.9	6	24	23360
18S 1180E	.7	11790	8	5	59	.9	1	820	1.3	6	35	26030
18S 1200E	.7	13580	4	6	77	.8	1	1000	2.0	5	23	29400
18S 1220E	.8	10670	6	4	63	.6	1	800	1.1	4	17	20720
18S 1240E	.6	15110	5	6	67	1.0	1	840	1.8	8	27	27940
18S 1260E	.7	14310	1	5	55	.9	1	1040	.8	4	15	27380
18S 1280E	1.2	4380	2	1	40	.5	2	1080	1.4	3	19	17430
18S 1300E	1.4	11430	12	5	77	1.1	1	870	1.4	3	15	38340
18S 1320E	1.2	9750	12	3	51	.9	1	1140	1.2	3	12	29170
18S 1340E	.7	13100	1	4	54	.8	1	1060	.9	4	9	25550
18S 1380E	1.1	9390	1	3	45	1.0	1	1060	2.0	5	26	31580
18S 1400E	1.3	14740	1	6	70	.9	1	1270	1.2	4	19	28880
18S 1420E	.9	15240	13	7	77	1.2	1	990	1.4	3	18	39120
18S 1440E	.7	14070	4	7	94	.9	1	1310	1.8	5	26	30190
18S 1460E	1.4	15710	8	7	72	1.5	1	1130	2.0	7	46	49400
18S 1480E	1.5	3960	11	9	139	5.3	2	14370	4.5	7	31	200570
18S 1500E	.8	9220	4	2	64	.6	1	1500	1.4	3	15	20800
18S 1520E	1.5	21680	11	13	107	1.6	2	8370	4.8	12	77	49520
18S 1540E	1.2	19790	25	12	97	1.5	4	7780	3.5	11	72	46480
18S 1560E	1.2	26950	27	17	125	1.9	2	8540	5.5	13	113	59710

PROJECT NO: 318

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

ATTENTION: T.L. SADLER-BROWN

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

* TYPE SOIL GEOCHEM *

DATE: SEPT 1, 1987

(VALUES IN PPM)	K	LI	MS	MM	MO	NA	NI	P	PB	SB	SR	TH
16S 1220E	420	15	2580	105	1	20	6	1980	12	4	15	1
16S 1240E	390	16	2540	115	1	10	12	1050	12	5	1	1
16S 1260E	500	16	2930	249	1	20	16	1960	17	7	29	1
16S 1280E	520	7	2180	166	2	30	19	980	21	5	15	1
16S 1300E	1220	17	4690	245	1	60	18	1870	32	6	18	1
16S 1340E	970	21	6110	279	1	70	21	1000	38	5	23	1
16S 1360E	700	7	2290	157	1	30	4	810	14	4	23	1
16S 1380E	830	14	2790	414	1	40	1	2280	42	7	42	1
16S 1400E	700	14	3250	223	1	40	13	920	21	5	21	1
16S 1420E	400	2	510	44	1	40	5	100	11	4	17	1
16S 1460E	660	5	2300	131	2	40	16	300	18	4	17	1
16S 1480E	620	5	1720	314	1	30	6	370	16	4	14	1
16S 1500E	630	5	1880	307	1	30	6	410	13	3	13	1
16S 1520E	520	2	810	75	2	30	7	200	11	4	18	1
16S 1540E	800	7	4500	229	1	30	21	1230	24	3	34	1
16S 1560E	840	21	7090	256	1	60	38	550	46	6	8	1
16S 1580E	870	19	6550	247	2	60	30	600	47	6	17	1
16S 1600E	900	20	6200	306	2	60	36	810	44	7	15	1
16S 1620E	840	19	6140	242	1	60	28	630	38	7	12	1
16S 1640E	760	15	5340	246	1	50	26	610	36	5	2	1
16S 1680E	720	23	6300	183	1	60	21	870	10	7	15	1
16S 1700E	740	24	6760	198	1	70	29	810	15	7	10	1
16S 1720E	790	25	5970	177	2	60	20	930	12	5	16	1
16S 1740E	560	23	5790	173	2	40	25	900	14	6	7	1
16S 1760E	620	24	5860	174	2	50	22	890	14	6	11	1
16S 1780E	690	24	6460	189	3	50	29	890	15	6	8	1
16S 1800E	590	22	5740	169	1	40	20	840	10	5	11	1
16S 1820E	440	22	5640	156	2	30	23	770	10	5	8	1
16S 1840E	270	21	5420	156	2	20	17	980	14	4	3	1
16S 1860E	490	24	7200	213	1	30	29	780	25	6	5	1
16S 1880E	570	24	7160	211	1	70	30	720	5	2	24	1
16S 1900E	580	24	7060	210	3	50	30	790	15	4	3	1
16S 1920E	910	29	8470	259	2	140	37	740	17	5	4	1
16S 1940E	740	22	7160	214	2	100	26	610	19	4	8	1
18S 1040E	490	13	4790	294	1	70	17	790	35	4	33	1
18S 1060E	930	18	4780	555	4	50	21	480	25	4	18	1
18S 1080E	660	19	4870	155	2	50	26	550	10	4	2	1
18S 1100E	700	18	5300	190	1	30	18	460	15	4	4	1
18S 1120E	640	18	4150	138	1	30	15	790	14	5	24	1
18S 1140E	470	16	4090	120	1	40	15	350	14	4	6	1
18S 1160E	390	14	4160	163	1	70	20	290	16	3	6	1
18S 1180E	360	14	3710	124	1	50	32	350	15	5	2	1
18S 1200E	570	17	3860	130	1	60	22	790	19	4	12	1
18S 1220E	470	13	3290	96	1	50	16	360	19	5	5	1
18S 1240E	430	15	3670	132	1	20	35	560	16	5	13	1
18S 1260E	400	13	2540	106	1	20	17	1270	15	5	20	1
18S 1280E	350	3	750	121	3	40	8	340	9	3	26	1
18S 1300E	610	12	2550	174	1	20	8	2130	27	5	32	1
18S 1320E	410	15	2850	181	1	30	6	570	27	4	11	1
18S 1340E	460	13	1920	150	1	20	8	1070	21	5	14	1
18S 1380E	550	8	2450	129	1	20	19	430	24	4	14	1
18S 1400E	660	15	4550	137	1	40	16	420	22	6	5	1
18S 1420E	540	14	4330	130	1	40	9	1090	22	4	8	1
18S 1440E	670	9	2890	313	2	40	11	720	23	5	10	1
18S 1460E	670	17	4550	204	3	40	26	740	44	5	7	1
18S 1480E	130	1	2110	1499	37	20	2	2240	10	7	121	3
18S 1500E	460	12	3260	173	1	20	11	380	21	4	17	1
18S 1520E	1240	16	9900	1058	1	270	29	1250	23	9	122	1
18S 1540E	1140	15	9620	989	1	240	24	1180	28	8	115	1
18S 1560E	1350	23	11530	1139	2	210	33	1470	14	9	121	1

(VALUES IN PPM)	U	V	ZN	GA	SN	W	CR	AU-PPB
16S 1220E	2	32.3	89	1	1	2	25	5
16S 1240E	1	27.0	77	1	1	2	21	5
16S 1260E	1	27.5	105	1	1	2	20	5
16S 1280E	1	21.6	72	1	1	1	19	10
16S 1300E	1	37.2	127	1	1	3	32	5
16S 1340E	2	31.2	133	2	1	2	30	15
16S 1360E	2	31.6	64	1	1	1	18	10
16S 1380E	1	44.9	110	1	1	2	28	5
16S 1400E	1	34.9	124	1	1	2	27	5
16S 1420E	12	15.3	25	3	1	1	11	5
16S 1460E	2	31.0	78	1	1	1	20	5
16S 1480E	1	22.8	71	1	1	1	16	15
16S 1500E	2	22.5	75	1	1	1	15	10
16S 1520E	11	19.1	36	4	1	1	12	5
16S 1540E	1	59.1	110	2	1	2	27	5
16S 1560E	1	30.5	165	3	4	2	28	5
16S 1580E	1	28.3	158	3	2	2	25	10
16S 1600E	1	27.9	163	2	2	3	28	10
16S 1620E	1	28.1	139	1	1	2	27	20
16S 1640E	1	27.1	111	1	2	2	23	5
16S 1680E	1	29.9	156	3	1	3	26	5
16S 1700E	2	29.0	165	2	2	3	27	5
16S 1720E	1	32.3	165	1	1	3	28	10
16S 1740E	1	27.6	153	2	1	2	24	25
16S 1760E	1	28.7	165	1	1	3	26	5
16S 1780E	3	29.9	166	1	1	3	27	5
16S 1800E	1	26.6	152	1	1	3	24	15
16S 1820E	1	24.8	147	1	1	2	23	10
16S 1840E	1	23.7	160	1	1	2	23	10
16S 1860E	2	25.4	173	2	1	2	23	5
16S 1880E	1	25.0	150	1	1	3	23	5
16S 1900E	1	26.5	168	1	1	3	25	5
16S 1920E	2	32.2	198	1	1	3	30	20
16S 1940E	2	26.7	145	1	1	3	24	5
18S 1040E	2	27.4	107	1	1	2	24	5
18S 1060E	1	22.7	118	1	1	2	21	5
18S 1080E	1	22.4	102	1	2	2	23	5
18S 1100E	1	23.2	79	2	2	2	22	5
18S 1120E	2	20.9	72	2	1	2	19	10
18S 1140E	1	18.4	60	1	2	1	18	5
18S 1160E	1	17.2	62	1	1	1	17	5
18S 1180E	1	19.9	87	2	3	1	18	10
18S 1200E	1	27.2	108	3	4	1	20	5
18S 1220E	1	20.4	65	1	2	1	16	15
18S 1240E	1	20.8	76	1	4	2	18	10
18S 1260E	1	24.9	76	1	3	2	19	5
18S 1280E	5	14.8	97	1	2	1	9	5
18S 1300E	2	40.9	101	1	4	2	22	5
18S 1320E	1	24.4	84	2	3	2	17	5
18S 1340E	1	24.0	86	1	1	2	16	10
18S 1380E	1	24.7	93	1	3	1	23	35
18S 1400E	2	29.2	86	2	1	2	20	30
18S 1420E	2	34.1	98	2	1	2	22	5
18S 1440E	1	39.4	144	1	3	2	22	5
18S 1460E	1	43.0	175	3	1	2	32	10
18S 1480E	1	8.2	84	2	9	3	21	5
18S 1500E	3	20.0	94	1	1	1	16	5
18S 1520E	5	79.9	142	4	2	3	43	10
18S 1540E	4	74.7	134	1	2	2	42	5
18S 1560E	5	94.4	157	2	4	3	52	35

(VALUES IN PPM)	AS	AL	AS	B	BA	BE	BI	CA	CD	CO	CU	FE
18S 1580E	3.0	22080	21	13	106	1.7	13	3430	5.2	9	52	58570
18S 1600E	1.1	22170	21	16	108	1.6	2	9520	4.7	12	86	50420
18S 1620E	.9	20850	20	15	105	1.5	1	8550	5.4	12	76	47460
18S 1640E	.9	19330	21	13	93	1.4	2	8460	5.0	11	77	43560
18S 1680E	1.7	20410	20	11	96	1.8	10	2960	2.6	8	51	57920
18S 1700E	1.2	20910	4	12	118	1.5	4	3920	4.0	9	55	49870
18S 1720E	1.8	28240	4	22	266	1.7	2	14520	3.6	11	55	49170
18S 1740E	2.2	24830	22	18	198	1.6	2	10350	3.8	10	52	51240
18S 1760E	2.2	23160	4	18	189	1.5	3	10880	5.0	11	53	49480
18S 1780E	1.9	24970	5	19	210	1.5	1	13010	4.0	11	55	48340
18S 1800E	2.2	18940	13	13	139	1.4	2	8930	3.8	9	45	46880
18S 1820E	2.0	24060	2	18	196	1.5	1	9820	4.4	9	49	47390
18S 1840E	2.2	24500	10	19	191	1.5	4	10730	4.6	10	51	48600
18S 1860E	1.2	21170	18	14	104	1.5	3	8620	5.4	12	79	47630
18S 1880E	.9	21590	13	15	104	1.5	2	9170	5.6	12	83	48230
18S 1900E	1.2	21060	16	15	101	1.5	3	9330	5.8	12	83	45650
20S 1120E	2.9	9070	18	6	82	2.3	2	5110	9.1	14	157	77630
20S 1140E	1.2	14570	5	8	68	1.8	1	3330	6.0	11	96	55780
20S 1160E	2.3	11400	17	7	65	2.1	1	33800	8.7	13	116	70180
20S 1180E	1.8	15190	3	9	76	2.7	2	6950	6.2	14	166	82380
20S 1200E	.4	11130	9	5	47	.9	1	1600	2.9	4	33	27710
20S 1220E	.7	17840	5	8	55	1.0	1	3740	3.4	5	30	33480
20S 1240E	.5	15050	6	7	66	1.0	1	4880	3.8	7	32	32410
20S 1260E	1.0	16680	4	7	66	1.0	2	1690	3.2	6	23	32010
20S 1280E	1.8	16130	4	7	57	1.2	1	1140	2.7	7	45	37630
20S 1300E	.6	10520	6	4	83	.6	1	970	1.1	4	9	18160
20S 1320E	1.0	11740	8	5	72	.7	2	1000	.8	3	11	20910
20S 1380E	1.0	18590	5	9	66	1.2	1	1460	2.6	6	23	34910
20S 1400E	.6	15950	15	7	61	1.2	1	1900	2.4	4	16	36410
20S 1420E	1.0	20140	16	10	84	1.2	1	2830	3.0	6	27	37640
20S 1440E 40M	.9	15720	9	8	69	.9	1	2510	2.3	5	19	26670
20S 1460E	.9	16210	11	17	74	1.1	1	2610	3.2	6	29	32840
20S 1480E	.6	22070	5	12	119	1.1	1	4170	2.3	6	25	33790
20S 1500E	1.2	18500	16	9	87	1.1	1	2910	1.6	6	25	34150
22S 1080E	1.4	9940	1	5	53	1.2	1	3200	2.1	9	42	40910
22S 1100E 40M	.8	12330	6	8	111	1.0	1	4840	2.2	7	35	30430
22S 1120E	1.1	11340	14	5	55	.9	1	3630	2.3	6	33	29530
22S 1140E	1.4	11390	12	4	61	.9	2	2760	1.8	5	25	26460
22S 1160E	1.2	14130	7	7	56	1.1	1	2870	2.8	9	51	35750
22S 1180E	.3	14430	12	18	62	.8	1	1440	2.3	4	20	25610
22S 1200E	.9	18520	1	23	91	1.2	1	2180	2.0	8	52	36020
22S 1220E	1.1	12650	10	5	68	.8	2	1090	1.6	4	19	24870
22S 1240E	1.0	11700	5	4	87	.7	1	1140	1.1	4	14	22040
22S 1260E	.8	15760	16	7	68	1.0	1	1150	2.1	6	38	33990
22S 1280E	.9	13190	1	6	70	.9	2	1430	1.8	6	27	30340
22S 1300E	.6	21000	19	10	78	1.2	1	1060	2.4	4	30	37970
22S 1320E	1.4	15350	14	6	70	.9	1	1720	1.9	4	18	28190
22S 1440E	3.1	20720	21	9	81	1.6	1	4660	3.3	11	74	51360
22S 1460E 40M	.5	16120	8	8	66	1.3	1	1640	2.7	7	56	42530
22S 1480E	.9	16480	8	8	73	1.3	1	1780	3.4	7	56	43090
22S 1500E	2.2	21210	18	9	90	1.1	1	3290	3.0	7	29	35110
24S 1060E	1.0	13510	15	7	87	.9	1	19370	2.6	6	34	28930
24S 1100E	1.4	21100	20	11	222	1.7	1	3110	3.3	11	64	53570
24S 1120E	1.2	15700	5	15	105	.9	1	2590	2.8	6	30	28940
24S 1140E	1.2	17710	6	8	69	1.6	2	1630	3.6	9	70	47170
24S 1160E	1.2	16600	1	6	79	1.0	1	1280	2.6	5	25	30940
24S 1180E	.7	15180	5	7	90	1.2	1	1370	1.6	6	47	36920
24S 1200E	.7	14160	7	6	50	.8	1	1130	2.0	4	12	26310
24S 1220E	1.1	13250	3	5	69	.9	1	1070	2.4	4	15	28360
24S 1260E	.7	15460	14	7	58	1.0	1	1240	2.0	6	27	32550

ATTENTION: T.L. SADLER-BROWN

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

* TYPE SOIL GEOCHEM *

DATE: SEPT 1, 1987

(VALUES IN PPM)	K	LI	MG	MN	MO	NA	NI	P	PB	SB	SR	TH
18S 1580E	1330	21	8470	601	1	110	28	1110	240	5	8	1
18S 1600E	1300	16	10480	1055	3	300	27	1310	33	7	158	1
18S 1620E	1290	15	9980	1031	1	270	28	1220	28	8	143	1
18S 1640E	1140	14	9810	924	2	280	28	1110	23	7	144	1
18S 1680E	1050	19	6870	533	1	110	26	1060	228	6	6	1
18S 1700E	1800	18	7800	695	1	200	31	1030	159	6	16	1
18S 1720E	4890	18	8360	1361	3	750	31	1440	142	6	102	1
18S 1740E	3420	18	7930	1034	1	470	26	1320	141	7	76	1
18S 1760E	3230	18	7820	1189	3	400	29	1310	123	7	73	1
18S 1780E	3830	18	8020	1379	2	500	30	1380	142	5	80	1
18S 1800E	2390	16	6430	1115	1	290	23	1250	160	5	52	1
18S 1820E	3670	17	7570	1027	1	510	28	1260	138	6	71	1
18S 1840E	3520	18	7700	1141	3	450	32	1230	148	7	70	1
18S 1860E	1340	15	10020	1010	1	280	26	1220	24	8	132	1
18S 1880E	1340	16	10470	1008	2	300	29	1170	21	8	148	1
18S 1900E	1330	15	10070	953	1	340	25	1040	28	9	148	1
20S 1120E	780	8	3880	693	25	100	94	940	58	6	50	1
20S 1140E	810	17	5900	507	15	60	58	830	31	5	20	1
20S 1160E	850	11	4940	597	18	60	100	810	52	4	2	1
20S 1180E	870	15	5280	278	21	60	151	1300	45	5	4	1
20S 1200E	640	13	4350	171	3	20	23	460	16	4	10	1
20S 1220E	480	27	6230	119	2	40	21	340	30	5	38	1
20S 1240E	720	20	6140	433	2	50	20	560	27	4	36	1
20S 1260E	750	18	5440	240	2	60	26	800	23	5	11	1
20S 1280E	620	17	6390	273	1	40	38	480	542	7	13	1
20S 1300E	620	11	3270	179	1	40	9	510	23	5	11	1
20S 1320E	410	13	1940	104	1	30	8	1270	20	5	24	1
20S 1380E	790	23	5400	214	1	70	26	870	35	6	12	1
20S 1400E	690	17	4800	170	2	60	13	1750	26	6	32	1
20S 1420E	890	27	6030	218	1	60	33	790	32	6	17	1
20S 1440E 40M	770	23	4020	221	2	60	19	370	28	2	23	1
20S 1460E	730	17	5020	414	1	60	27	600	45	2	13	1
20S 1480E	1030	23	5460	468	1	70	24	760	38	1	27	1
20S 1500E	700	19	6620	384	2	60	30	400	40	4	10	1
22S 1080E	580	11	5240	456	2	50	38	730	47	3	38	1
22S 1100E 40M	780	15	5320	1056	2	50	32	600	27	1	61	1
22S 1120E	660	12	5070	347	1	40	19	750	27	3	37	1
22S 1140E	870	14	4950	275	1	50	24	890	19	3	49	1
22S 1160E	910	16	5680	275	1	100	36	690	35	3	30	1
22S 1180E	720	20	4910	164	1	50	22	660	10	2	1	1
22S 1200E	750	21	5110	277	1	90	45	770	24	4	33	1
22S 1220E	700	17	4390	171	1	30	17	540	22	4	13	1
22S 1240E	700	17	3700	192	1	30	15	490	17	3	12	1
22S 1260E	620	20	4600	163	1	30	27	680	28	3	1	1
22S 1280E	460	16	3760	194	1	40	19	670	34	4	8	1
22S 1300E	840	22	9000	140	2	30	23	840	15	4	8	1
22S 1320E	760	17	4550	197	1	50	20	390	29	3	6	1
22S 1440E	740	20	6610	338	1	50	62	500	51	6	31	1
22S 1460E 40M	740	15	7010	289	1	40	26	1040	37	2	8	1
22S 1480E	730	16	6920	344	2	40	33	1000	43	3	7	1
22S 1500E	840	33	6940	899	2	80	27	330	27	6	18	1
24S 1060E	1130	18	8580	483	2	80	24	660	22	2	135	1
24S 1100E	1060	29	5700	825	5	70	43	2050	29	3	50	1
24S 1120E	850	17	3960	446	1	70	21	720	22	4	28	1
24S 1140E	700	20	6150	236	4	40	49	630	36	6	19	1
24S 1160E	700	20	6070	373	1	40	22	740	15	5	1	1
24S 1180E	750	18	4990	274	1	30	34	760	26	4	8	1
24S 1200E	700	16	5510	186	1	30	10	730	26	3	1	1
24S 1220E	590	17	4490	148	1	40	13	960	15	2	8	1
24S 1260E	760	17	6790	306	2	30	21	470	21	3	7	1

(VALUES IN PPM)	U	V	ZN	BA	SN	W	CR	AU-PPB
18S 1580E	1	58.1	217	2	2	3	32	10
18S 1600E	1	82.3	138	1	3	3	43	5
18S 1620E	2	78.1	137	3	1	3	43	15
18S 1640E	2	71.3	120	3	3	2	38	5
18S 1680E	1	50.4	214	1	1	3	29	5
18S 1700E	1	44.8	195	2	2	3	30	5
18S 1720E	2	62.0	237	2	3	3	36	10
18S 1740E	2	57.2	218	2	1	3	35	5
18S 1760E	2	52.5	212	3	3	3	33	5
18S 1780E	1	56.5	219	2	2	3	34	10
18S 1800E	2	45.5	202	1	2	2	30	5
18S 1820E	2	52.1	204	2	3	3	33	5
18S 1840E	1	53.5	218	2	1	3	35	5
18S 1860E	3	79.6	136	3	3	3	42	10
18S 1880E	1	80.5	139	3	3	3	42	5
18S 1900E	3	77.3	120	1	2	3	41	15
20S 1120E	1	28.5	629	1	1	2	39	5
20S 1140E	2	26.8	444	1	1	2	21	10
20S 1160E	4	23.0	486	1	1	2	18	5
20S 1180E	2	24.9	1374	2	1	3	19	5
20S 1200E	2	14.3	146	1	1	2	13	5
20S 1220E	2	23.1	137	2	3	2	20	10
20S 1240E	1	23.8	108	1	1	2	21	20
20S 1260E	1	28.6	135	1	3	2	23	5
20S 1280E	1	29.1	168	1	4	2	26	5
20S 1300E	2	24.6	77	1	1	1	18	5
20S 1320E	1	26.5	81	1	2	1	17	10
20S 1380E	1	27.9	137	1	4	2	24	5
20S 1400E	1	35.2	140	1	2	2	23	5
20S 1420E	1	29.4	143	1	2	2	26	5
20S 1440E 40M	1	28.1	134	2	2	2	20	15
20S 1460E	1	25.4	113	1	3	2	19	5
20S 1480E	1	30.5	148	7	4	2	24	10
20S 1500E	1	26.3	111	8	3	2	24	5
22S 1080E	3	28.4	141	1	2	1	24	35
22S 1100E 40M	2	22.4	95	1	1	2	21	5
22S 1120E	2	22.8	92	2	1	1	20	5
22S 1140E	4	20.1	80	1	1	1	19	5
22S 1160E	2	25.2	123	2	2	2	21	15
22S 1180E	1	21.6	79	2	1	2	19	10
22S 1200E	1	31.5	153	2	1	2	25	5
22S 1220E	1	23.0	71	1	1	1	21	5
22S 1240E	1	22.7	90	1	1	1	16	5
22S 1260E	3	26.2	110	1	1	2	20	5
22S 1280E	1	27.6	110	1	1	2	20	10
22S 1300E	3	22.2	120	1	2	3	22	5
22S 1320E	1	25.5	89	1	1	2	22	5
22S 1440E	1	36.4	199	1	2	2	33	25
22S 1460E 40M	2	42.8	145	1	2	2	32	5
22S 1480E	1	43.1	156	1	1	2	33	15
22S 1500E	2	27.8	130	1	2	2	26	5
24S 1060E	1	23.8	82	1	1	2	19	5
24S 1100E	2	37.5	436	1	2	3	27	20
24S 1120E	1	28.0	160	1	2	2	22	10
24S 1140E	1	27.5	196	1	3	2	29	5
24S 1160E	2	25.6	109	1	2	2	24	5
24S 1180E	1	25.5	166	1	1	2	23	5
24S 1200E	1	22.8	83	1	1	2	19	5
24S 1220E	1	26.3	93	1	1	2	20	5
24S 1260E	1	29.0	102	1	1	2	23	5

PROJECT NO: 318

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: 7-11055/P19

ATTENTION: T.L. SADLER-BROWN

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

* TYPE SOIL GEOCHEM *

DATE: SEPT 1, 1987

(VALUES IN PPM)	AG	AL	AS	B	BA	BE	BI	CA	CD	CO	CU	FE
24S 1280E	.7	19220	10	8	70	1.1	1	1530	2.8	5	20	35930
24S 1300E	1.4	18920	11	8	75	1.1	1	1270	1.8	6	20	34870
24S 1340E	1.6	23100	21	18	106	1.3	2	1590	1.6	6	22	36780
24S 1360E	.7	17780	8	9	58	1.3	1	990	2.3	4	22	40700
24S 1380E	.6	16620	10	7	66	1.2	1	980	2.5	3	18	38140
24S 1400E	.7	12900	9	5	45	.8	1	840	1.4	4	12	26370
24S 1420E	.9	15160	6	7	68	1.6	1	950	2.7	7	49	51240
24S 1460E	2.1	12530	23	7	77	2.2	3	1490	4.3	14	170	72260
24S 1480E	.8	13840	7	6	53	1.2	1	700	2.6	5	32	40020
24S 1500E	1.6	15500	1	13	140	1.3	1	5770	2.6	5	25	38930
BS 24+20E	1.2	11920	5	6	108	1.2	1	3970	3.7	9	42	37540
BS 24+40E	1.1	12070	10	7	134	1.2	1	5430	4.7	9	45	37640
BS 24+80E	1.9	14130	22	8	123	2.0	2	4080	4.5	13	113	62950
BS 25+00E	1.1	9880	10	4	67	1.2	1	1980	3.4	9	56	40210
BS 25+20E	1.2	11100	10	4	73	.9	1	2370	1.8	4	24	27660
BS 25+40E	1.8	10620	11	5	83	1.1	1	1570	3.0	6	36	36510
BS 25+60E	1.4	9570	5	4	69	1.4	1	2120	3.6	10	52	44490
BS 25+80E	1.3	17110	17	7	125	1.2	1	4060	4.2	8	51	37170
BS 26+00E	.3	7370	3	2	39	.8	1	4090	1.5	3	16	25900
BS 26+20E	1.2	15290	12	6	88	1.0	1	3070	3.9	7	33	32300

PROJECT NO: 318

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: 7-1105S/P19

ATTENTION: T.L.SADLER-BROWN

(604)980-5814 DR (604)988-4524

* TYPE SOIL GEOCHEM *

DATE: SEPT 1, 1987

(VALUES IN PPM)	K	LI	MG	MN	MO	NA	NI	P	PB	SB	SR	TH
24S 1280E	700	22	7620	231	2	50	21	610	14	2	5	1
24S 1300E	750	24	6850	205	1	50	24	620	20	3	17	1
24S 1340E	890	24	4890	185	1	70	25	1080	31	5	12	1
24S 1360E	500	20	5500	135	2	40	16	590	39	2	11	1
24S 1380E	510	19	5380	127	1	30	12	550	32	2	13	1
24S 1400E	500	12	4560	170	2	20	5	640	19	2	14	1
24S 1420E	590	15	6490	323	2	20	25	1050	47	3	15	1
24S 1460E	720	9	7600	996	3	30	79	1060	87	4	11	1
24S 1480E	340	12	4700	292	1	10	14	1170	19	5	14	1
24S 1500E	1880	12	4720	940	2	210	11	1490	42	3	58	1
8S 24+20E	1000	11	3950	1358	1	40	22	620	60	2	52	1
8S 24+40E	1070	11	3750	1664	1	50	21	710	61	3	74	1
8S 24+80E	910	15	5330	1223	2	40	70	850	48	4	51	1
8S 25+00E	660	9	3920	459	1	30	39	800	31	3	32	1
8S 25+20E	850	10	4450	282	1	30	22	710	19	2	20	1
8S 25+40E	770	11	3350	387	4	30	22	1190	46	4	22	1
8S 25+60E	600	9	3700	418	1	20	34	1230	34	3	27	1
8S 25+80E	1030	18	5880	1305	1	60	29	920	28	5	32	1
8S 26+00E	430	8	2620	347	1	20	8	540	14	2	25	1
8S 26+20E	690	19	4900	1427	1	40	22	720	25	2	18	1

PROJECT NO: 318

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: 7-11055/P19

ATTENTION: T.L.SADLER-BROWN

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

* TYPE SOIL GEOCHEM *

DATE: SEPT 1, 1987

(VALUES IN PPM)	U	V	ZN	GA	SN	W	CR	AU-PPB
24S 1280E	1	27.9	111	1	5	2	22	5
24S 1300E	2	28.0	116	1	7	2	24	5
24S 1340E	4	30.1	200	1	6	3	27	5
24S 1360E	2	26.3	103	1	7	2	22	10
24S 1380E	1	34.6	88	1	7	2	24	5
24S 1400E	1	44.0	101	1	2	2	24	5
24S 1420E	1	47.7	164	1	2	2	40	5
24S 1460E	2	33.3	204	1	8	2	49	10
24S 1480E	1	41.0	126	1	1	2	25	5
24S 1500E	2	44.7	152	1	4	2	25	5
8S 24+20E	2	29.0	149	1	3	2	23	5
8S 24+40E	3	30.1	166	1	4	2	26	5
8S 24+80E	3	29.1	296	1	2	2	32	10
8S 25+00E	1	24.8	159	1	2	1	22	140
8S 25+20E	1	27.7	123	1	1	1	22	5
8S 25+40E	2	28.8	150	1	1	2	23	5
8S 25+60E	1	26.4	154	1	1	1	24	5
8S 25+80E	1	31.4	150	1	3	2	25	10
8S 26+00E	1	29.5	67	1	2	1	15	5
8S 26+20E	1	30.0	158	1	1	2	21	5

PROJECT NO: 318

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: 7-1073

ATTENTION: STU CROFT

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

* TYPE ROCK GEOCHEM *

DATE: AUGUST 20, 1987

(VALUES IN PPM)	AG	AL	AS	B	BA	BE	BI	CA	CD	CO	CU	FE	K
23673	1.2	4090	18	8	74	2.7	1	41680	5.2	6	65	92350	1760
23674	.5	6280	13	6	85	1.2	1	5430	3.4	6	49	35320	2570
23675	1.1	16400	5	22	268	1.9	1	102370	1.3	10	110	40230	6000
23676	6.3	1170	21	1	15	.7	4	35760	16.1	3	36	21820	300
23677	22.1	760	30	1	11	.6	11	18320	19.9	3	119	18900	190
23678	22.8	2720	50	5	45	1.7	12	9480	25.9	10	239	63170	650
23679	2.8	4520	20	11	93	3.6	2	11940	1.7	26	351	130490	1260
23680	23.2	5980	56	8	96	2.1	9	6240	10.1	11	181	75360	1800
23681	1.7	2990	6	1	42	1.0	1	33380	3.9	6	51	32390	730

COMPANY: NEVIN SADLER BROWN GOODBRAND LTD.

MIN-EN LABS ICP REPORT

(AL:PS) PAGE 2 OF 3

PROJECT NO: 318

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: 7-1073

ATTENTION: STU CROFT

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

* TYPE ROCK GEOCHEM *

DATE: AUGUST 20, 1987

(VALUES IN PPM)	LI	MG	MN	MO	NA	NI	P	PB	SB	SR	TH	U	V
23673	1	25640	2102	3	120	7	410	42	3	480	1	2	5.8
23674	1	7960	211	1	150	21	420	29	2	94	1	1	5.8
23675	1	3000	814	1	380	14	35470	5	2	1969	1	8	27.6
23676	1	15000	1343	3	290	8	260	843	1	603	1	2	8.0
23677	1	5890	474	9	140	9	460	3308	43	337	1	1	6.3
23678	1	3250	1294	114	180	21	910	3306	6	153	1	2	10.7
23679	1	2430	3465	238	130	45	2350	105	7	140	1	1	16.5
23680	1	1420	1053	50	210	31	1100	3113	4	115	1	2	13.7
23681	1	4050	896	16	290	25	470	295	2	267	1	2	16.9

(VALUES IN PPM)	ZN	GA	SN	W	CR	AU-PPB
23673	164	2	2	2	23	15
23674	104	1	1	1	60	10
23675	36	1	2	2	37	10
23676	963	2	1	1	104	1560
23677	995	1	1	1	134	1500
23678	1396	1	1	2	148	2100
23679	196	2	3	1	143	50
23680	859	1	1	2	99	3200
23681	93	1	1	1	122	20

PROJECT NO: 318

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: 7-1073

ATTENTION: STU CROFT

(604)980-5814 DR (604)988-4524

* TYPE ROCK GEOCHEM *

DATE: AUGUST 21, 1987

(VALUES IN PPM)	AG	AL	AS	B	BA	BE	BI	CA	CD	CO	CU	FE
23682	.8	3550	6	2	37	.6	3	680	1.0	2	62	16590
23683	285.2	700	22	16	52	2.1	118	62150	1677.8	8	1347	75790
23684	5.8	6060	30	16	158	8.1	5	2050	2.1	43	651	356890
23685	267.7	2200	13	10	39	2.2	132	31940	306.6	6	783	77910
23686	1.8	5200	3	4	60	1.8	1	810	1.0	7	69	59820
23687	23.1	2230	31	3	30	1.1	10	26860	10.1	5	51	35870
23688	.7	8990	8	10	116	1.5	1	4050	2.1	6	47	40940
23689	7.1	2180	2	3	12	.8	3	34260	3.4	1	16	25820
23690	1.2	4630	6	5	46	1.1	1	15300	3.0	7	107	33940
23691	151.9	730	27	1	5	.2	106	420	15.0	1	105	4540
23692	31.4	440	23	1	5	.2	23	330	1.6	1	17	6180
23693	1.1	3260	5	2	29	.5	1	580	.9	3	32	19400
23694	.8	2890	4	3	43	.8	1	480	.5	4	35	26800
23695	.9	6310	10	7	84	1.6	1	320	.6	9	60	51930
23696	.3	330	20	1	5	.2	1	570	.6	1	20	11120

(VALUES IN PPM)	K	LI	MG	MN	MO	NA	NI	P	PB	SB	SR	TH
23682	280	2	580	223	1	1690	2	70	100	2	33	1
23683	50	1	17110	2944	28	60	5	220	67143	157	345	1
23684	730	3	2850	73	1	140	679	190	374	11	27	1
23685	240	1	5200	718	91	430	97	500	40401	144	304	1
23686	890	2	950	1347	1	890	37	330	344	3	23	1
23687	590	1	11800	882	15	750	15	370	4060	5	576	1
23688	3760	2	4860	221	1	290	15	460	49	3	79	1
23689	120	1	4870	1333	12	990	7	1600	1559	2	472	1
23690	1110	2	6520	1000	1	880	27	730	79	2	286	1
23691	130	1	200	67	3	290	6	40	28123	60	20	1
23692	60	1	140	177	3	120	5	90	7093	12	15	1
23693	560	2	920	285	1	120	12	220	106	1	12	1
23694	570	1	520	993	1	180	11	100	47	2	13	1
23695	1870	1	510	281	6	400	20	580	15	2	24	1
23696	100	1	130	116	6	20	15	80	19	1	5	1

(VALUES IN PPM)	U	V	ZN	BA	SN	W	CR
23682	1	4.0	41	1	1	2	134
23683	2	7.2	266025	2	5	3	56
23684	2	7.8	466	3	1	5	78
23685	3	11.5	45617	1	1	3	45
23686	1	7.5	204	1	1	1	69
23687	2	10.3	577	1	1	2	147
23688	1	9.8	121	1	1	2	40
23689	1	6.0	195	1	1	1	96
23690	1	10.0	109	2	1	1	129
23691	4	2.3	974	1	3	1	157
23692	2	2.6	130	1	1	2	218
23693	1	6.1	29	1	1	2	166
23694	1	4.9	33	1	1	1	195
23695	1	14.1	89	1	1	1	192
23696	2	3.6	35	1	1	2	219

MIN-EN LABORATORIES LTD.

Specialists in Mineral Environments

705 West 15th Street North Vancouver, B.C. Canada V7M 1T2

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

TELEX: VIA USA 7601067 UC

Certificate of ASSAY

Company: NEVIN SADLIER BROWN GOODBRAND

File: 7-1073/P1

Project: 318

Date: AUGUST 21/87

Attention: STU CROFT

Type: ROCK GEOCHEM

I hereby certify the following results for samples submitted.

Sample Number	PB %	AG G/TONNE	AG OZ/TON	AU G/TONNE	AU OZ/TON
23682		2.1	0.06	.02	0.001
23683	18.90	340.0	9.92	3.35	0.098
23684	.04	6.1	0.18	.23	0.007
23685				.46	0.013
23686				.12	0.004
23687	.48	24.0	0.70	3.36	0.098
23688		2.8	0.08	.05	0.001
23689		6.2	0.18	.50	0.015
23690				.01	0.001
23691				28.05	0.818
23692				3.32	0.097
23693				.20	0.006
23694				.01	0.001
23695				.02	0.001
23696				.01	0.001

Certified by



MIN-EN LABORATORIES LTD.

Appendix D

MEMORANDUM REPORT

on a

VLF-EM Survey

NOV Claim Group

by

E. Trent Pezzot
GeoSci Data Analysis Ltd.

TABLE OF CONTENTS	Page
Introduction	1
Survey	1
Previous Work	2
Data Processing	2
Discussion of Results	3
Summary	6
Conclusions	7
Recommendations	8
Cost Breakdown	9
Certification	10

ILLUSTRATIONS

- Fig. 1 Stacked Profile Map (Annapolis)
- Fig. 2 Stacked Profile Map (Seattle)
- Fig. 3 Color Contour Map (Annapolis Fraser Filtered Dip Angle)
- Fig. 4 Color Contour Map (Annapolis Field Strength)
- Fig. 5 Color Contour Map (Seattle Fraser Filtered Dip Angle)
- Fig. 6 Color Contour Map (Seattle Field Strength)
- Fig. 7 Color Contour Map (Seattle Field Strength: 0° gridding)

INTRODUCTION

A VLF-EM survey was conducted across a portion of the Nov. 2 claim by Nevin Sadlier-Brown Goodbrand Ltd. on behalf of Malcolm Resources Ltd. The data was gathered on August 28 and 29, 1987 and forms part of a larger exploration program currently being used to evaluate the "Nov." claim group. Both active and abandoned placer operations are located within this claim group and it was the intention of this survey to provide information in a relatively unexplored area.

GeoSci Data Analysis Ltd. was commissioned by Nevin Sadlier-Brown Goodbrand Ltd. to process and interpret this VLF-EM data. This information is intended to be included as part of a larger report, detailing the complete exploration program conducted in this area.

SURVEY

The grid surveyed consists of 11 north-easterly oriented lines spaced at 200 metre intervals. Stations were flagged at 10 metre increments along each line.

The VLF-EM survey was undertaken with a Sabre EM-27, initially tuned to Annapolis, Maryland. Data was recorded at 402 stations along five lines, 400S to 1200S, totalling 3.97 km. before encountering an unscheduled interruption of the transmission signal. Subsequently the instrument was retuned to receive the Seattle, Washington signal. The complete grid, totalling 10.03 line km. and 1044 stations was surveyed at this frequency.

PREVIOUS WORK

The "Nov." claim group has and is being evaluated by a number of exploration techniques. Detailed geological mapping of available outcrop has been completed across much of the area. In addition an extensive northeasterly oriented survey grid has been established and soil samples have been gathered for geochemical analysis.

Previous geophysical exploration includes an airborne magnetometer and electromagnetic study and a limited amount of induced polarization survey.

Of the above mentioned procedures only the airborne geophysical survey and one reconnaissance geochemical line covered the portion of the Nov.2 claim being evaluated by this VLF-EM survey.

DATA PROCESSING

The Sabre EM 27 measures two quantities: the dip angle of the magnetic polarization ellipse and the relative field strength of the transmitted signal.

The dip angle data and the relative field strength measurements are presented in profile format for both the Annapolis and Seattle frequency data at a map scale of 1:5000 and have been used as the basis for this interpretation.

The dip angle data has been processed through a Fraser filter tuned to accent line sources at approximately 20 metres depth. This procedure converts the inflection points searched for in the dip angle data to contourable high and low values,

with intensities relative to the slope of the inflection. Color contour maps of both the Annapolis and Seattle frequency information in this format is included in the body of this report.

Subtle trends were observed in the relative field strength data which was not clearly evident in the normal profile presentation. Therefore, although it is not a common procedure, this data has also been presented in a color contour format to highlight the anomalous features.

DISCUSSION OF RESULTS

With this system, two responses are expected across distinct conductive bodies. The dip angle records a positive to negative inflection (or cross-over), which is converted to a positive peak by the Fraser filtering procedure. An increase in the relative field strength should also be observed to coincide with the dip angle cross-over. Near surface targets, with relatively good conductivity, for example massive sulphide lenses or graphitic sheets, typically produce dip angles between 20% and 50% and relative field strength increases of 20% to 40% of the base value used.

The VLF-EM data gathered across this portion of the NOV.2 claim does not indicate the presence of any highly conductive, nearsurface bodies. Individual dip angle anomalies observed are reflections of small and subtle, near surface increases in conductivity. The relative field strength data reflects both regional trends and smaller, discreet conductivity zones.

The Annapolis data is presented in profile form as figure 1 and in contour form as figures 3 and 4, representing the Fraser filtered dip angle and relative field strength values respectively. Only one, weak response, indicative of increased conductivity, was observed in the Annapolis frequency data. This anomaly is most clearly evident on the profile map as a dip angle crossover and weak field strength increase on line 400S at station 1730E and coincides with a contact zone mapped in the Seattle frequency data. A definitive shift in the Annapolis field strength measurement immediately east of this position supports a geological contact interpretation.

The majority of the lineations indicated on the dip angle color contour map, figure 3, are extremely weak and within the noise envelope of this system. The field strength measurements suggest a relative uniformly conductive halfspace in this area with the exception of a subtly more resistive zone on line 400S near station 1850E.

The Seattle data is presented in profile form as figure 2 and in contour form as figures 5 and 6, representing the Fraser filtered dip angle and relative field strength values respectively. Additionally, figure 7 illustrates the dominant northerly oriented regional trend observed in the field strength data.

Five significant conductivity anomalies are observed in the Seattle frequency data as delineated on figure 2. The most interesting of these are two, or possibly three lineations, grouped between 1500E and 1750E from lines 1400S to 1800S. These

anomalies show significant correlation between dip angle and field strength responses to be considered weak but valid conductivity trends. They also correlate with EM anomalies detected by the airborne survey.

The strongest dip angle anomaly measured is observed on the southwest end of line 1000S at the confluence of Black Bear Creek and Spanish Creek. This anomaly coincides with a strong low in the relative field strength measurement which continues to the north, being observed on the southwest ends of lines 800S, 600S and 400S. This trend closely follows Spanish Creek and is likely related to a combination of the topographic influence of the drainage system and the underlying geology. The airborne magnetic survey indicates a change from the regional northwesterly striking geology to a northerly orientation in this area. The combination of these results strongly suggests that Spanish Creek is following a geological break and that the anomalous dip angle measurement observed on line 1000S and another anomalous response noted on the southwest end of line 600S are all related.

The Seattle frequency field strength measurements indicate northerly trending regional structures. These lineations are clearly evident on the color contour map, figure 6. To further highlight these trends, the field strength data was gridded with a 0° bias as illustrated on figure 7. Three areas of field strength lows are delineated in this presentation. The strongest is a narrow feature which closely follows Spanish Creek along the southwest ends of lines 1000S through 400S. The second is a

broader feature extending from the the southwest ends of lines 1400S and 1200S to the notheast corner of the grid. The third feature is located on the southwest ends of lines 2000S through 2400S and may be related to Black Bear Creek. The anomalous conductivity zones described above are also highlighted in this presentation.

SUMMARY

A VLF-EM survey was conducted at the end of August, 1987 across the Nov.2 claim on behalf of Malcolm Resources Ltd. by Nevin Sadlier-Brown Goodbrand Ltd. The data has been processed and analyzed by GeoSci Data Analysis Ltd.

The survey utilized a Sabre EM-27 and recorded 10.03 line kilometres of Seattle frequency information and 3.97 line kilometres of Annapolis frequency information. Eleven survey lines were oriented northeast- southwest on 200 metre centres and data was gathered at 10 metre station increments along each line.

CONCLUSIONS

The VLF-EM data reflects a northerly bias to the geological structures underlying this grid. This contradicts the dominant northwest strike mapped elsewhere in the claim group but is supported by the results from a previous airborne magnetic survey. This change in the regional strike appears to be a direct result of a northerly striking fault zone which is closely followed by Spanish Creek and evident as an airborne magnetic gradient and surface VLF-EM field strength low.

Two increased conductivity zones are mapped in the Seattle frequency data along this structure: at line 1000S station 750E and line 600S station 1450E. A third conductivity zone mapped by the Annapolis frequency on line 400S station 1750E is also likely related to the fault lineation.

A series of anomalous conductivity responses are observed in the Seattle frequency data on lines 1400S to 1800S between stations 1500E and 1750E. These anomalies are relatively weak but considered valid and correlate with anomalous conductivity features mapped by a previous airborne survey. A reoccurrence of the phyllites mapped to the northwest could cause anomalies of this nature.

One reconnaissance geochemical line has been run across the area covered by this latest survey. Anomalous gold and silver concentrations were observed along this line however no direct correlation to the VLF-EM data is obvious.

RECOMMENDATIONS

A continuation of the soil geochemical analysis program and geological mapping of available outcrop is recommended as the next exploration phase with special attention being afforded to the areas of anomalous conductivity mapped by the VLF-EM survey. On the basis of this latest survey, correlation of these results should be biased towards a north-south lineation.

Respectively submitted,



E. Trent Pezzot

BSc. Geophysics-Geology

COST BREAKDOWN

Data entry: 1446 stations @0.25	\$ 361.50
Processing & Plotting: Profile Map (Seattle)	\$ 160.00
Profile Map (Annapolis)	\$ 136.00
Color Map (3 Seattle)	\$ 135.00
Color Map (2 Annapolis)	\$ 90.00
Interpretation & Report Compilation	\$ 750.00
Drafting	\$ 240.00
Reproduction/Materials	\$ 91.00
	<hr/>
TOTAL	\$1963.50

CERTIFICATION

I, E. TRENT PEZZOT, of the City of Richmond, Province of British Columbia, hereby certify as follows:

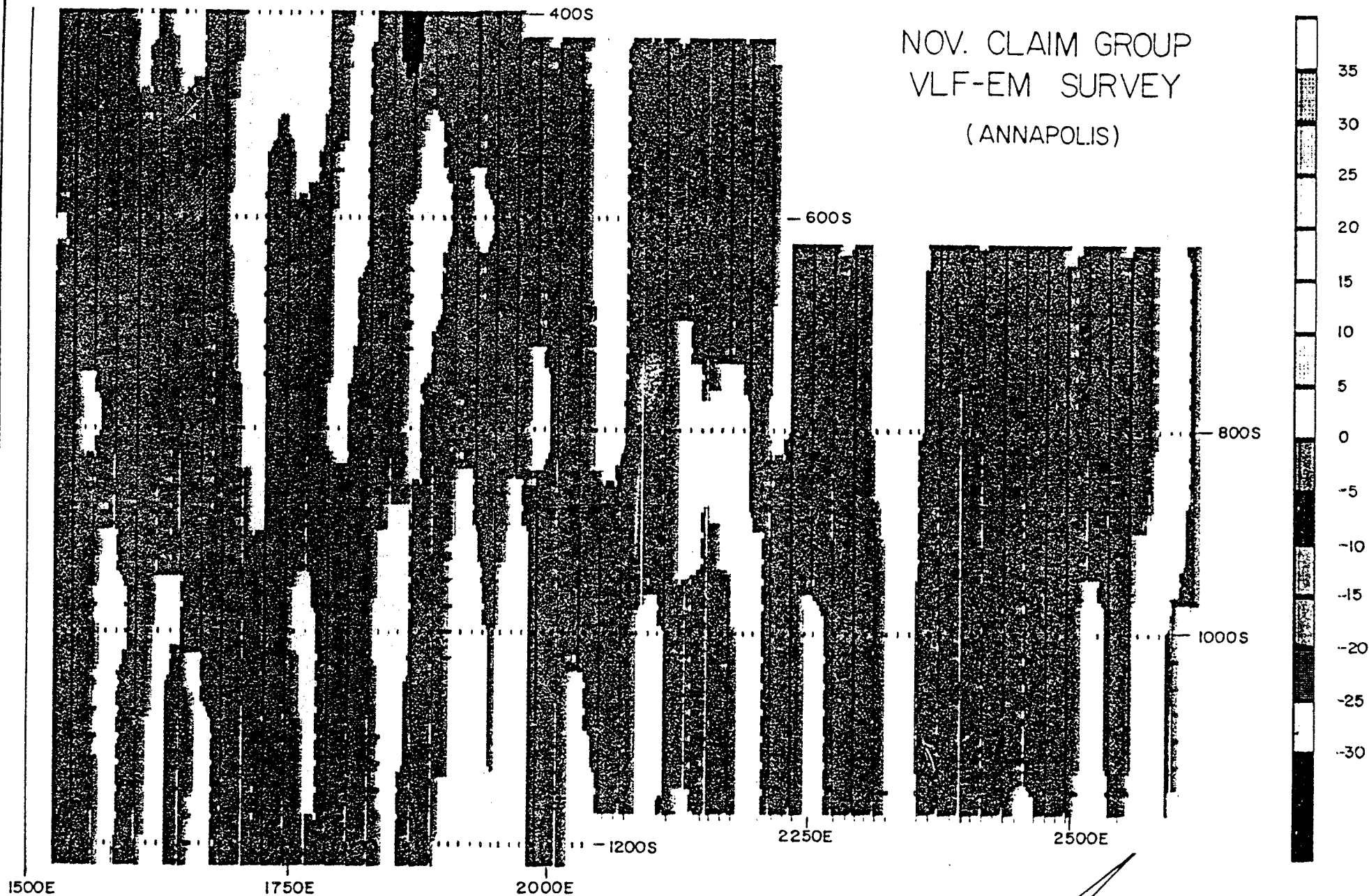
- I am a principal of GeoSci Data Analysis Ltd., a company incorporated under the laws of the Province of British Columbia.
- The Richmond office of GeoSci Data Analysis Ltd. is located at 3740 Lockhart Road, Richmond, B.C.
- I graduated from the University of British Columbia in 1974 with a BSc. degree in the combined honors Geology and Geophysics program.
- I have practiced my profession continuously from that date.
- I hold no interest, direct or indirect, in the Malcolm Resources Ltd. or any of its' affiliates, nor do I expect to receive any.
- I consent to the use of this report or the information contained within it, provide the context is not changed to alter the intended meaning, in or in connection with a Prospectus or in a Statement of Material Facts.



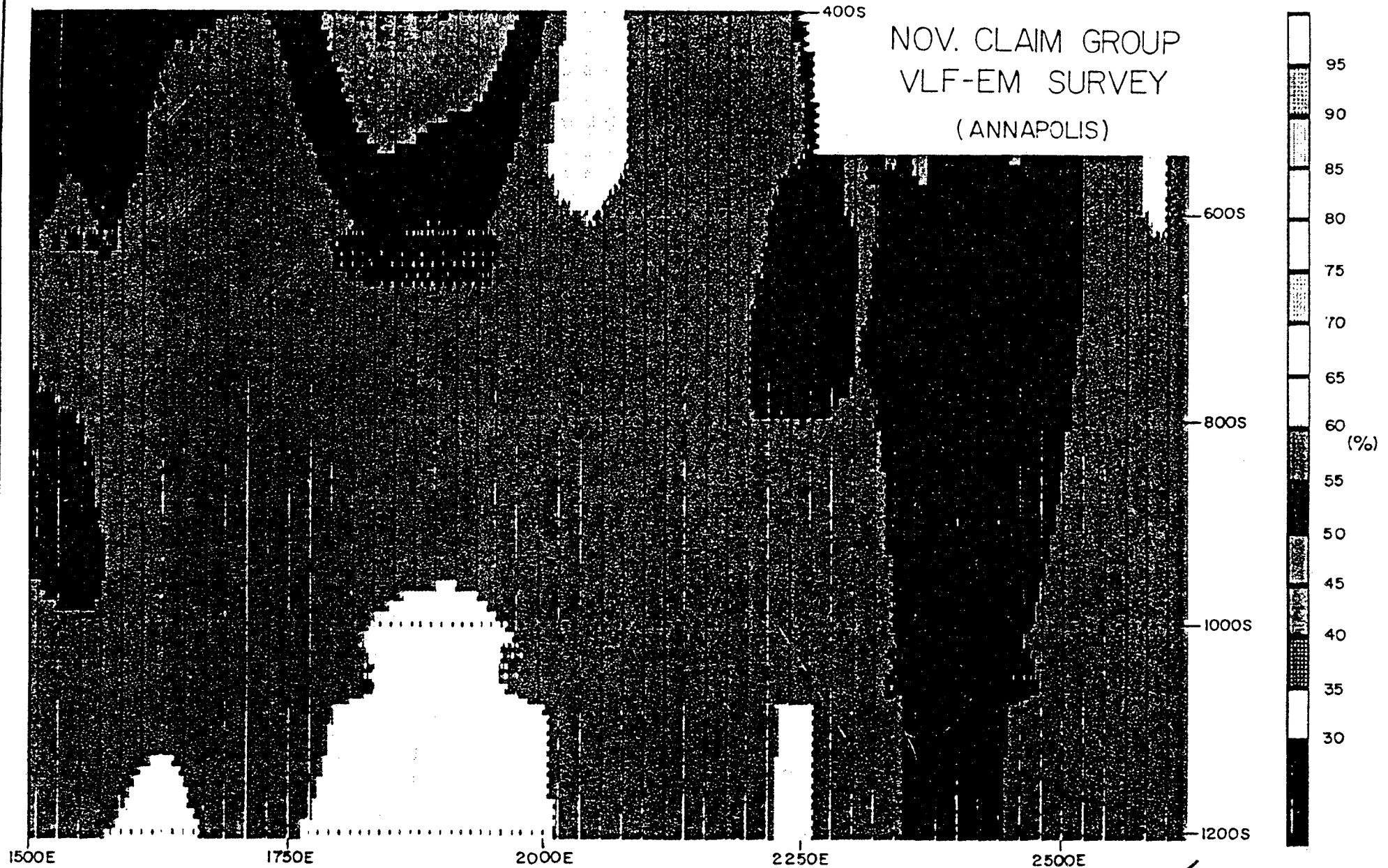
E. TRENT PEZZOT
BSC. Geophysics/Geology

Sept 18, 1987

NOV. CLAIM GROUP
VLF-EM SURVEY
(ANNAPOLIS)



FRASER FILTERED DIP ANGLE
CONTOUR MAP



FIELD STRENGTH
CONTOUR MAP

1000E

1500E

2000E

2500E

400S

600S

800S

1000S

1200S

1400S

1600S

1800S

2000S

2200S

2400S

35

30

25

20

15

10

5

0

-5

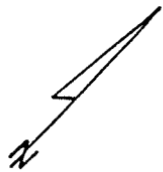
-10

-15

-20

-25

-30



NOV. CLAIM GROUP
VLF-EM SURVEY
(SEATTLE)

FRASER FILTERED DIP ANGLE
CONTOUR MAP

1000E

1500E

2000E

2500E

400S

600S

800S

1000S

1200S

1400S

1600S

1800S

2200S

2400S

95

90

85

80

75

70

65

60 (%)

55

50

45

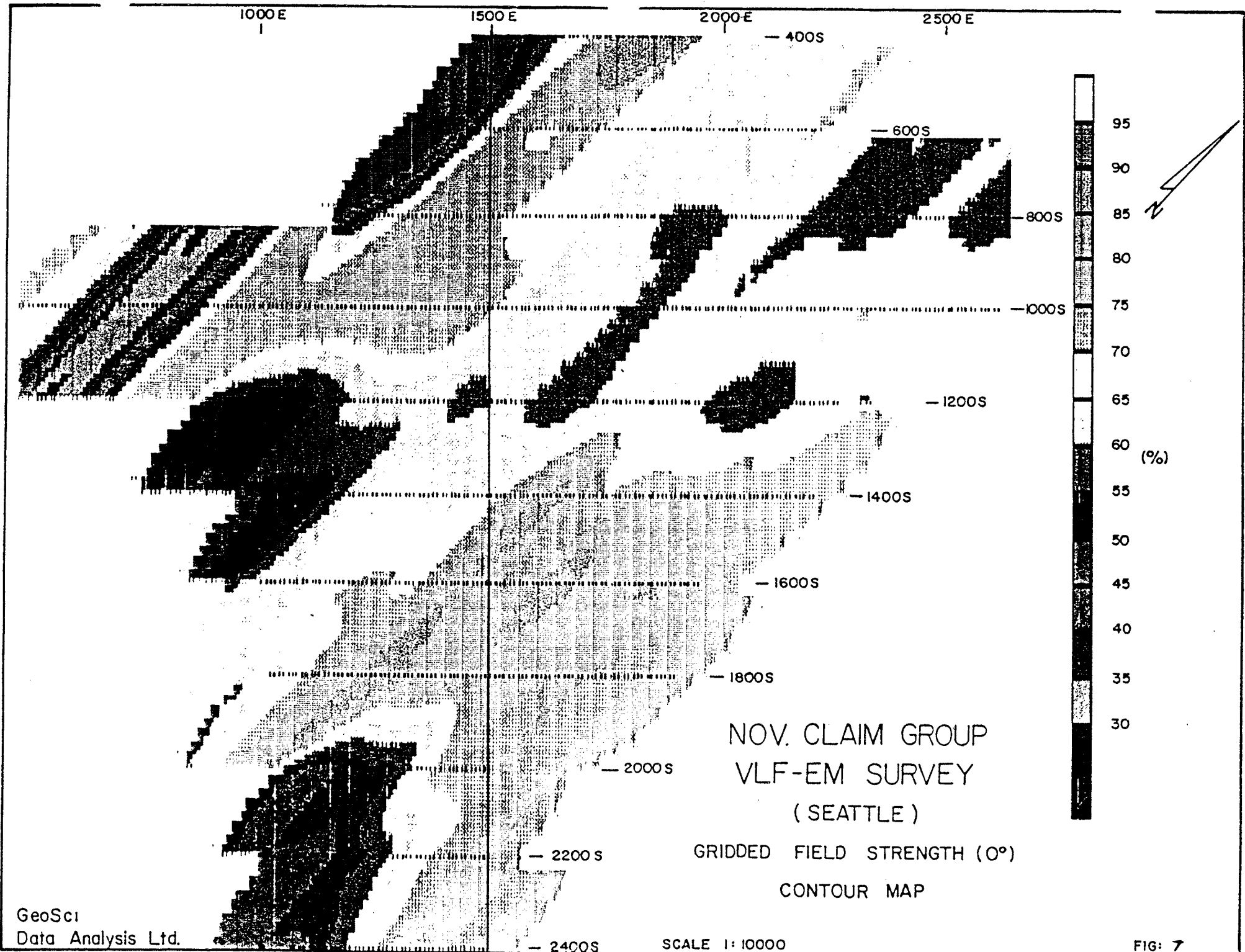
40

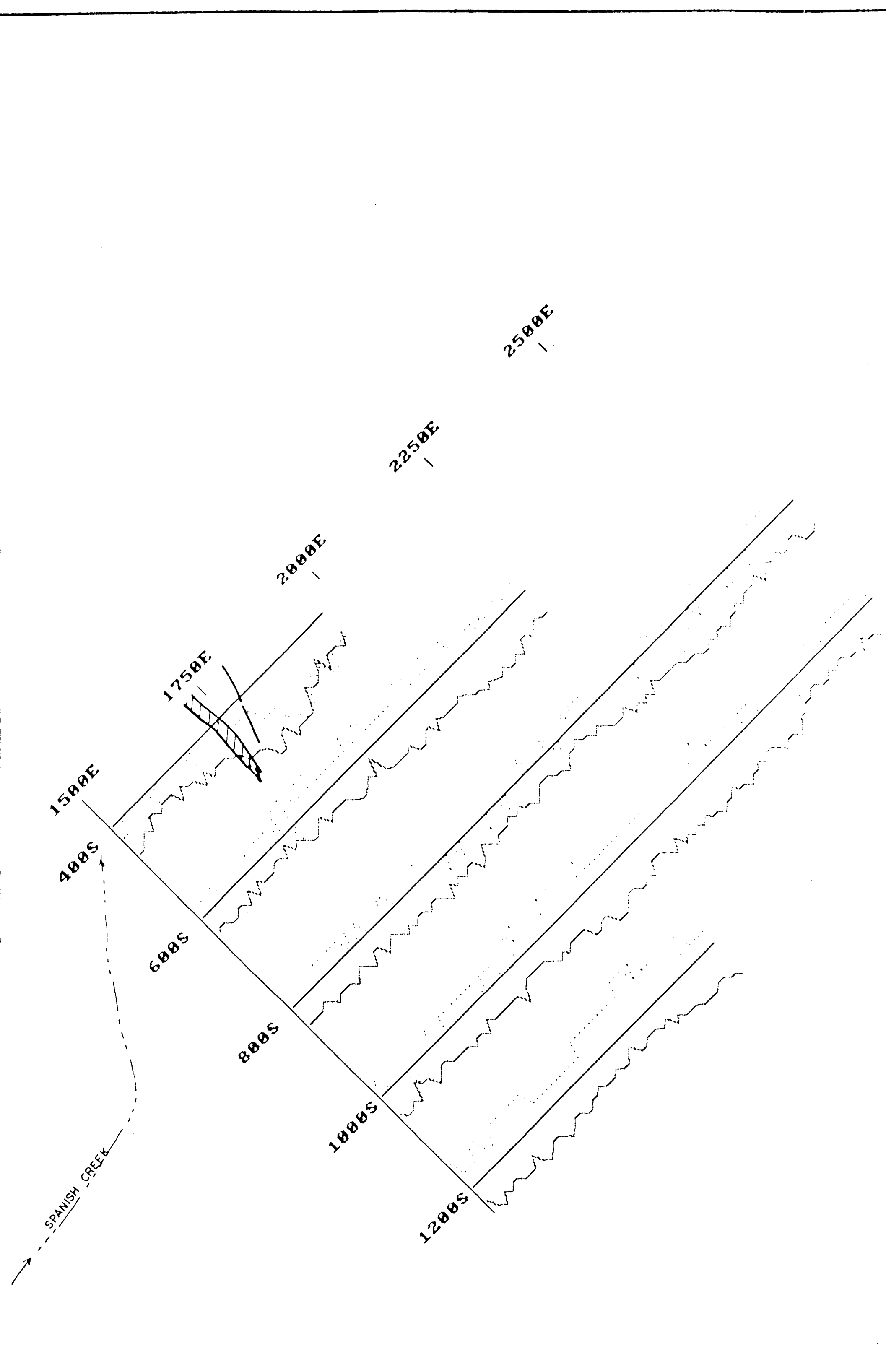
35

30

NOV. CLAIM GROUP
VLF-EM SURVEY
(SEATTLE)

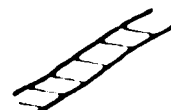
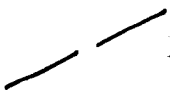
FIELD STRENGTH
CONTOUR MAP



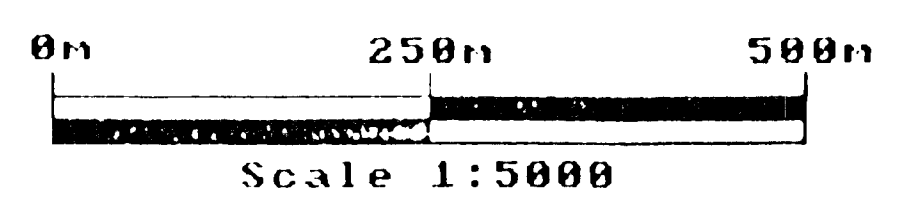
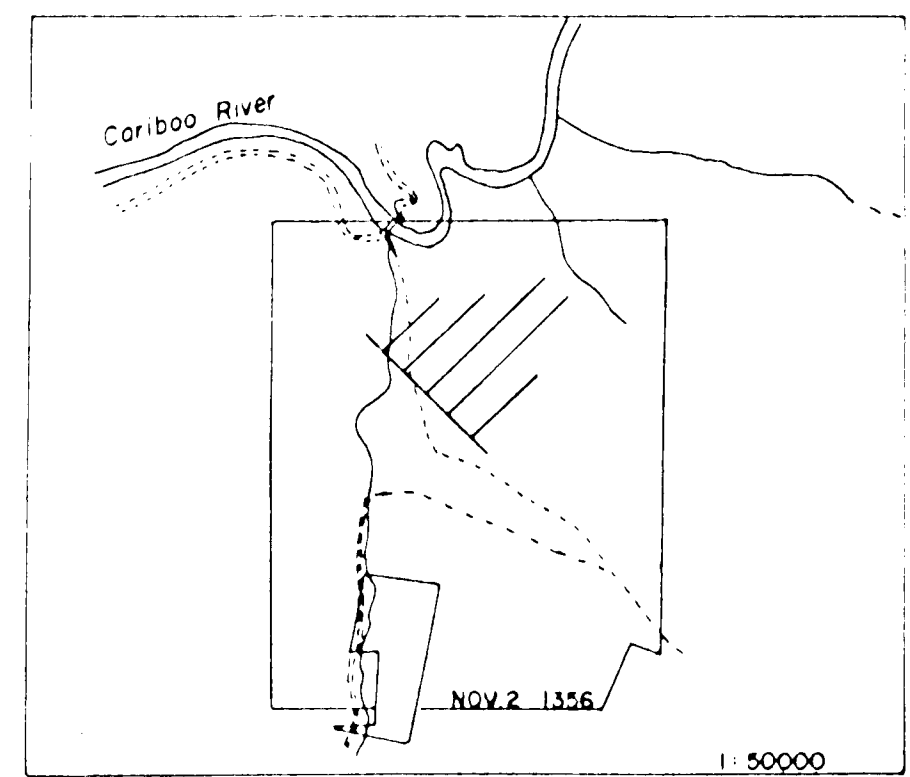


KEY

INSTRUMENT: Sabre EM-27
STATION: Annapolis, Md (21.4 kHz)
PLOTTED VALUES: Solid Line -> Dip angle (°)
 Dashed Line -> Field strength (%)
VERTICAL SCALE: Dip angle -> 10° / cm
 Baseline = 0°
 Field Strength -> 10% / cm
 Baseline = 50%
Facing Direction: Dip angle -> SE
 Field Strength -> SW

 Interpreted Conductor Axis
 Interpreted Contact

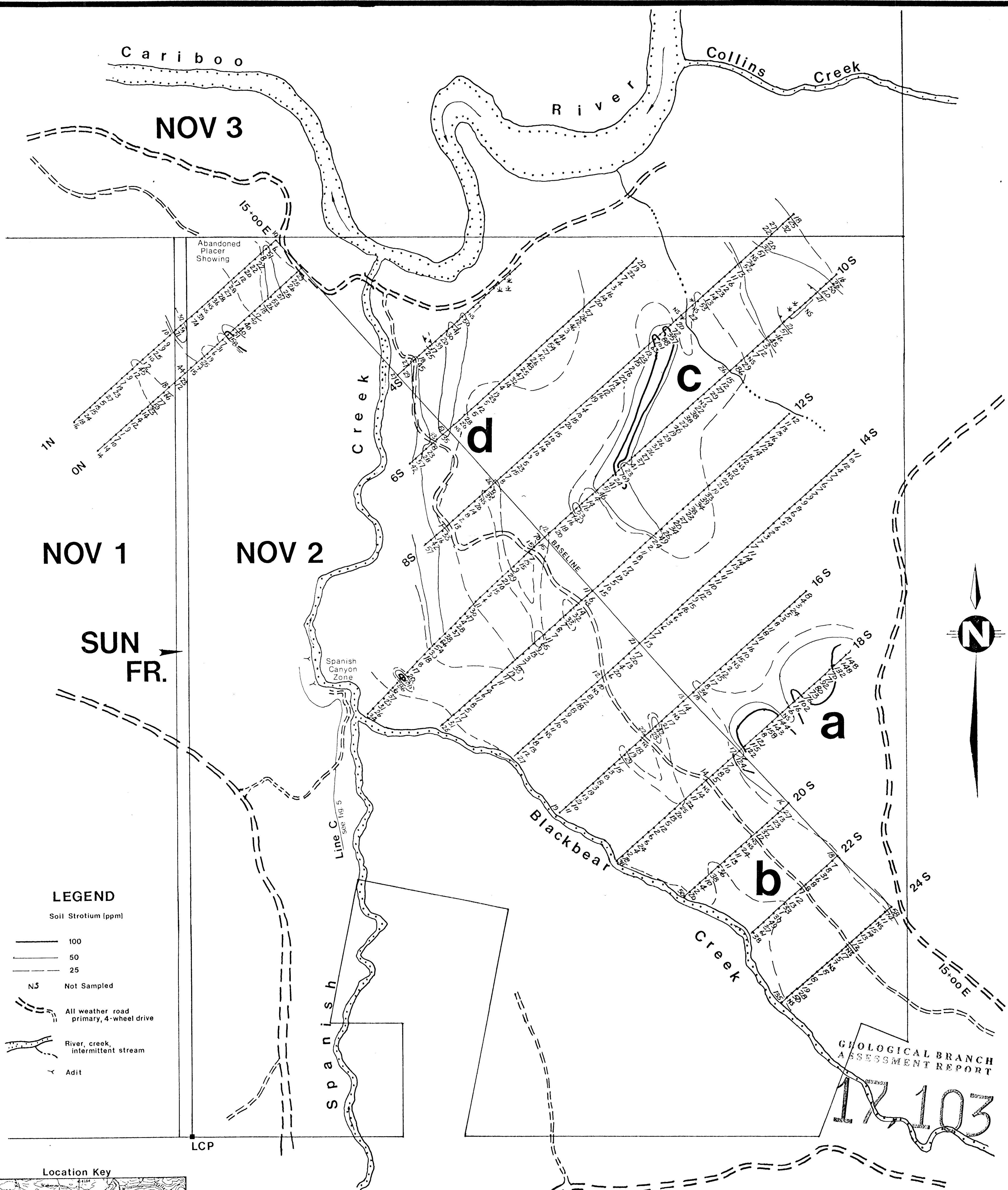
NIS: 93A/11W



GEOLOGICAL BRANCH
ASSESSMENT REPORT

17,103

MALCOLM RESOURCES LTD.	
"NOV" GROUP MINERAL CLAIMS LIKELY B.C.	
VLF-EM SURVEY STACKED PROFILE MAP (Annapolis)	
Survey by: NEVIN SADLIER-BROWN GOODBRAND LTD.	
Processing by: GEOSCI DATA ANALYSIS LTD.	
DATE: SEPT. 15/1987	FIG: D1



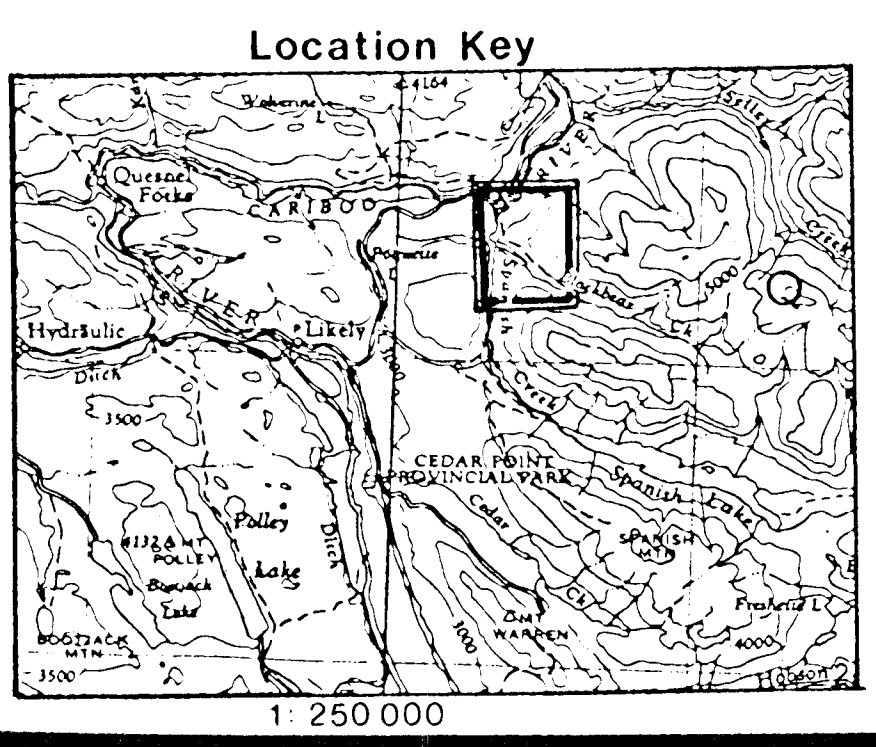
LEGEND

Soil Strotium (ppm)

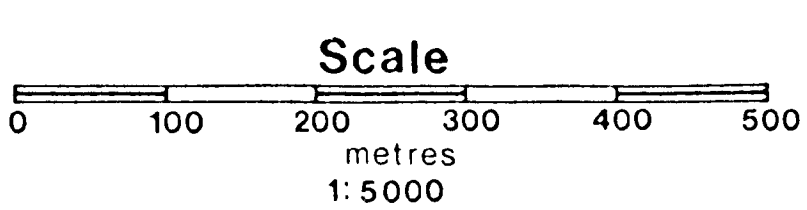
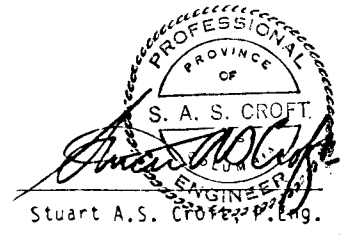
- 100
- 50
- 25
- NS Not Sampled
- All weather road primary, 4-wheel drive
- River, creek, intermittent stream
- Adit

GEOLOGICAL BRANCH
ASSESSMENT REPORT

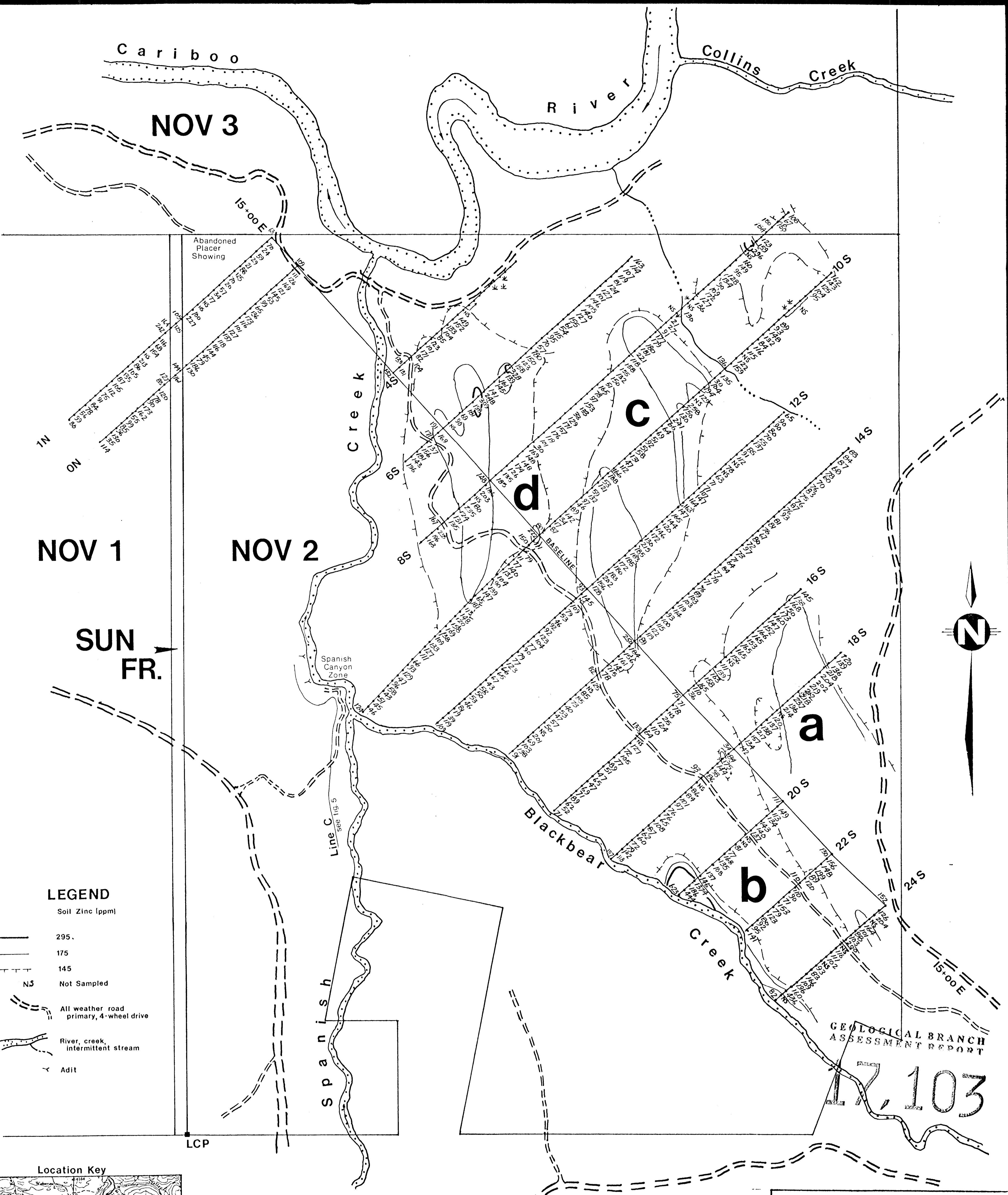
17-103



To accompany a report entitled
"GEOCHEMICAL AND GEOPHYSICAL RECONNAISSANCE
EXPLORATION IN THE EASTERN PORTION OF THE
NOV CLAIM GROUP, CARIBOO MINING DIVISION
LIKELY AREA, B.C." dated 26 February 1988 by:
Stuart A.S. Croft
Stuart A.S. Croft P. Eng.



MALCOLM RESOURCES LTD.	
NOV CLAIMS	
SOIL GEOCHEMISTRY - Sr	
SPANISH CREEK, LIKELY AREA	
N.T.S. 93A/11,12	CARIBOO M.D., B.C.
DATE: February 1988	FIGURE No. 10
NEVIN SADLER-BROWN GOODBRAND LTD.	

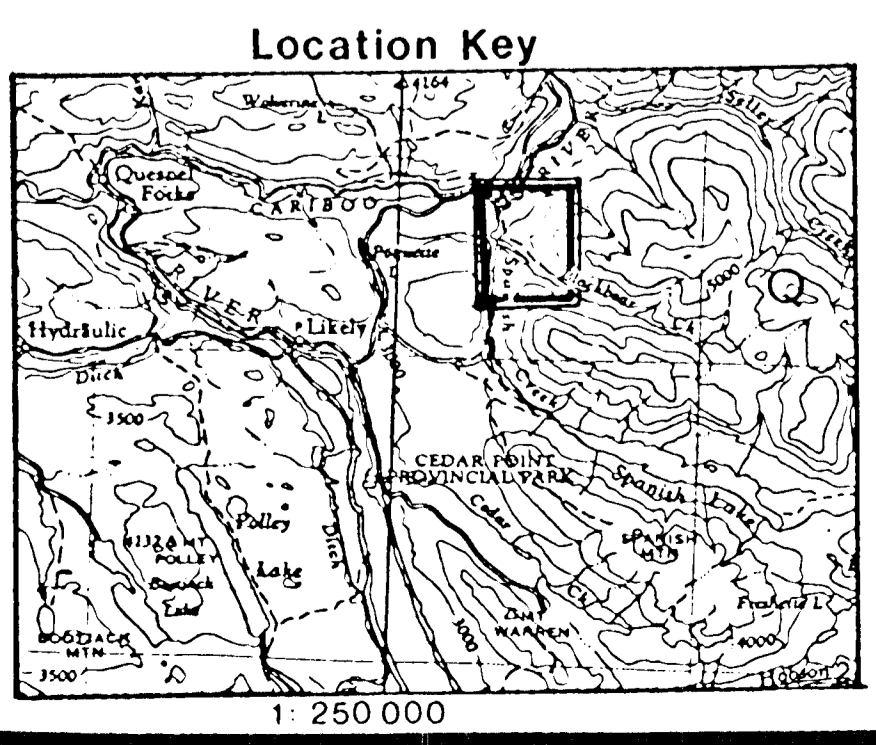


LEGEND

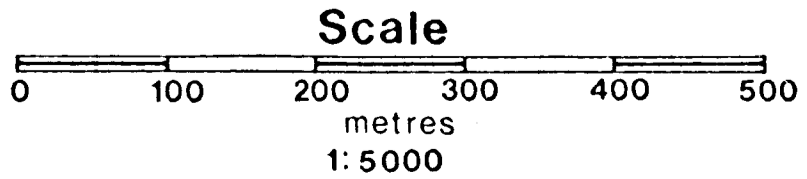
- Soil Zinc (ppm)
- 295.
 - 175
 - - - 145
 - NS Not Sampled
 - All weather road primary, 4-wheel drive
 - River, creek, intermittent stream
 - Y Adit

GEOLOGICAL BRANCH
ASSESSMENT REPORT

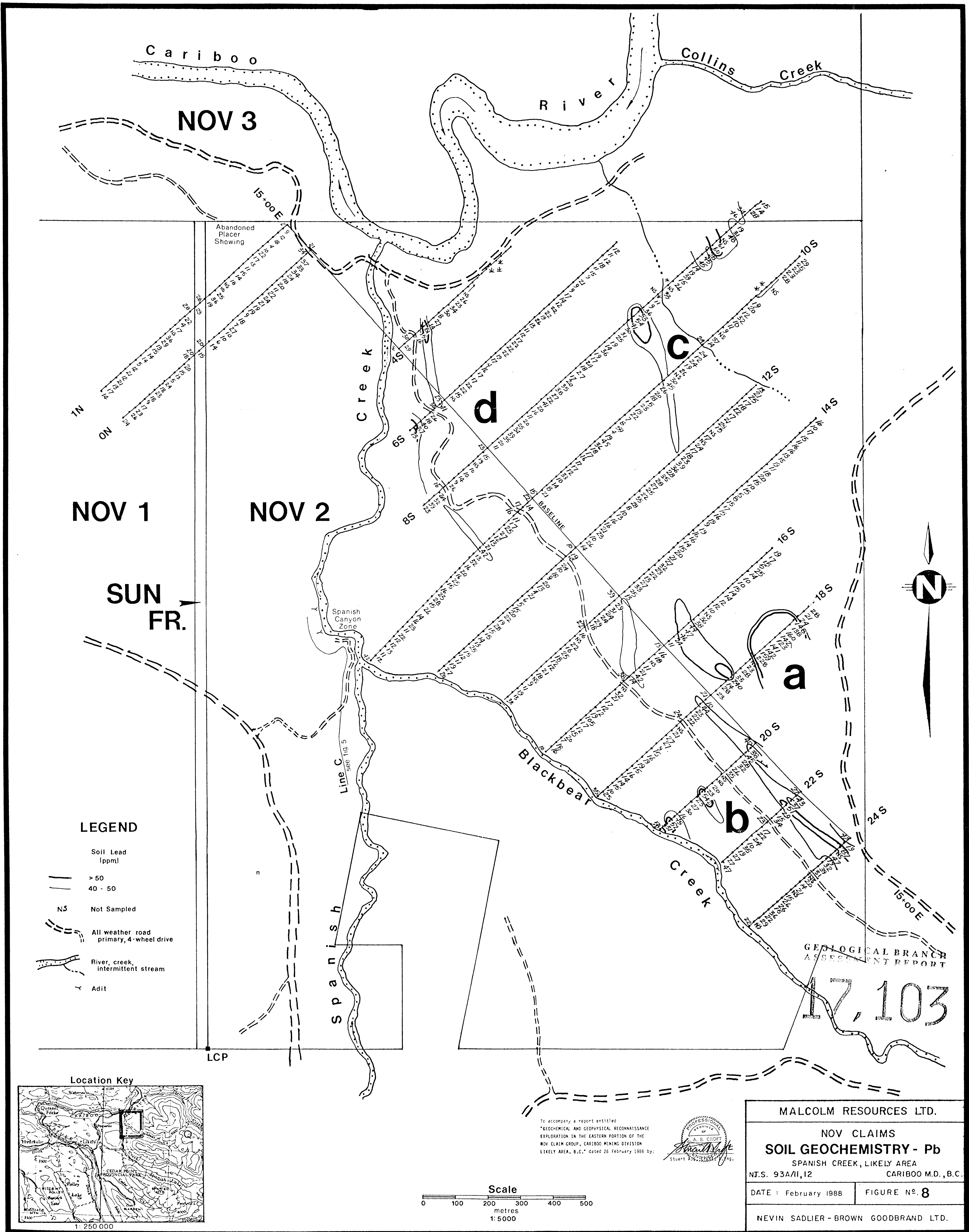
17,103



To accompany a report entitled
"GEOCHEMICAL AND GEOPHYSICAL RECONNAISSANCE
EXPLORATION IN THE EASTERN PORTION OF THE
NOV CLAIM GROUP, CARIBOO MINING DIVISION
LIKELY AREA, B.C." dated 26 February 1988 by:



MALCOLM RESOURCES LTD.	
NOV CLAIMS	
SOIL GEOCHEMISTRY - Zn	
SPANISH CREEK, LIKELY AREA	
N.T.S. 93A/11,12	CARIBOO M.D., B.C.
DATE : February 1988	FIGURE No. 9
NEVIN SADLER - BROWN GOODBRAND LTD.	



NOV 3

NOV 1

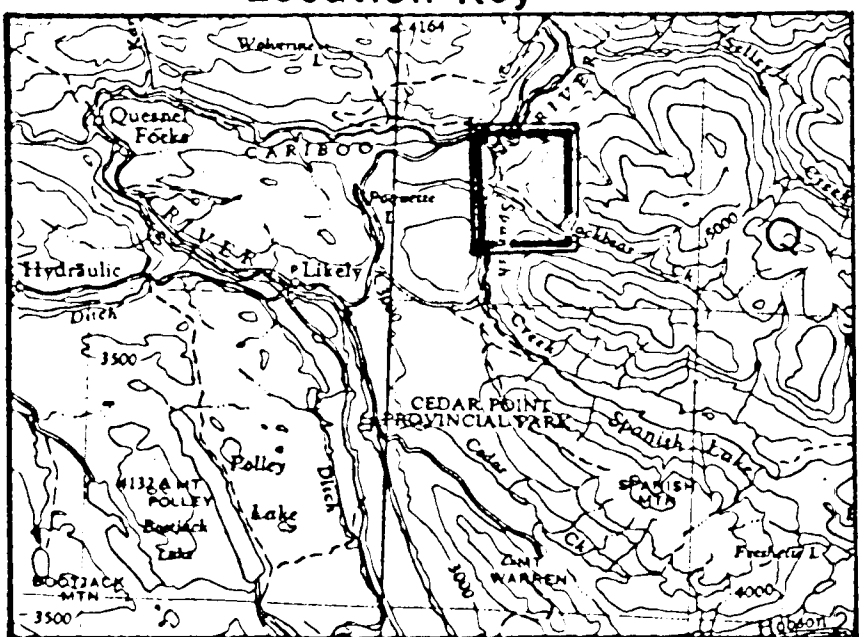
NOV 2

SUN
FR.

LEGEND

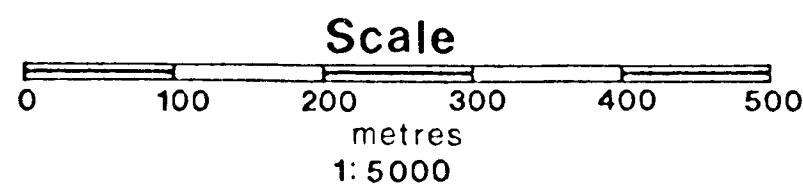
- Soil Lead (ppm)
- > 50
- - - 40 - 50
- NS Not Sampled
- All weather road primary, 4-wheel drive
- River, creek, intermittent stream
- Y Adit

Location Key



1: 250 000

To accompany a report entitled
 "GEOCHEMICAL AND GEOPHYSICAL RECONNAISSANCE
 EXPLORATION IN THE EASTERN PORTION OF THE
 NOV CLAIM GROUP, CARIBOO MINING DIVISION
 LIKELY AREA, B.C." dated 26 February 1988 by:



MALCOLM RESOURCES LTD.

NOV CLAIMS
SOIL GEOCHEMISTRY - Pb

SPANISH CREEK, LIKELY AREA
 N.T.S. 93A/II, 12 CARIBOO M.D., B.C.

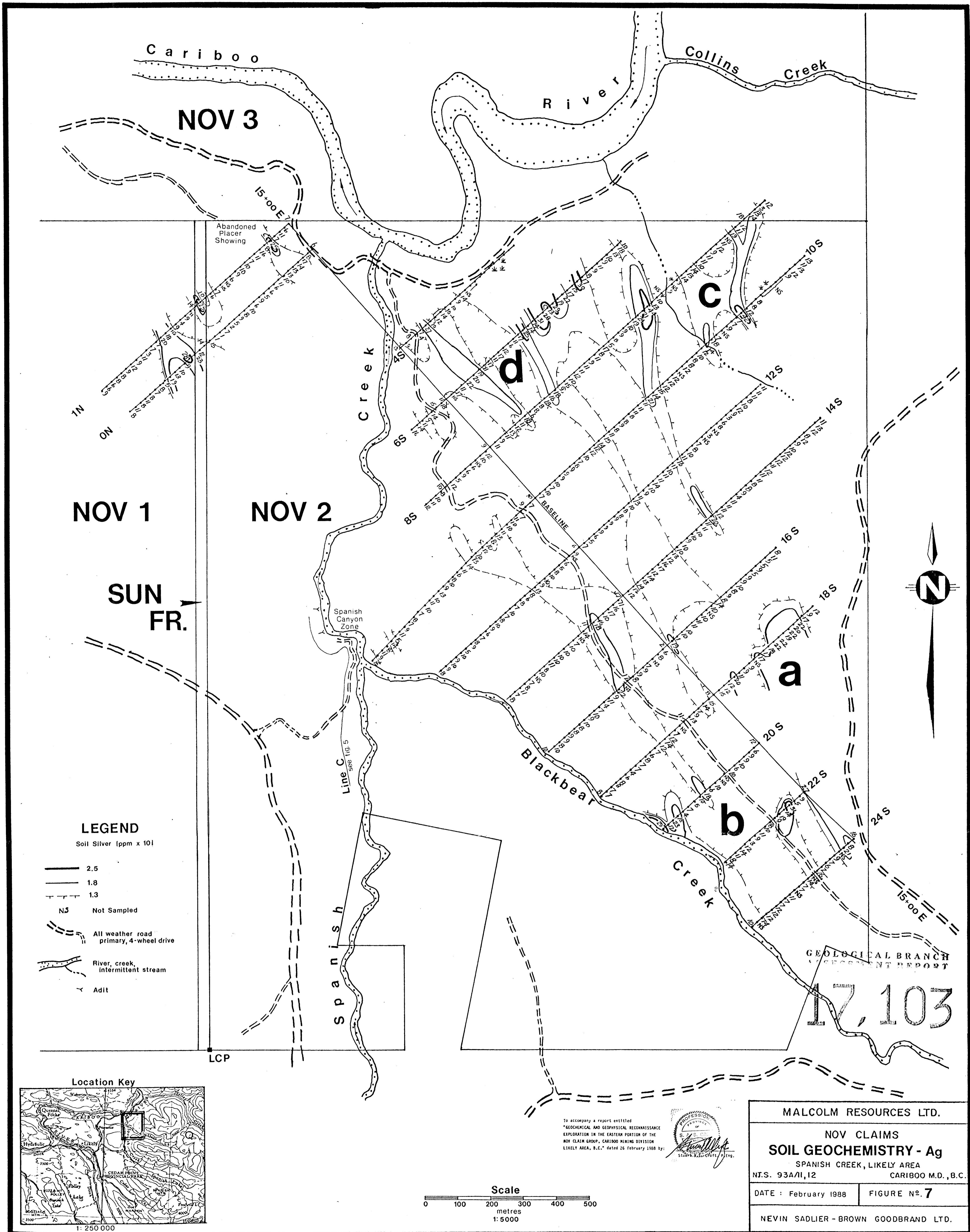
DATE: February 1988

FIGURE No. 8

NEVIN SADLER - BROWN GOODBRAND LTD.

GEOLOGICAL BRANCH
 ASSESSMENT REPORT

17,103



NOV 3

NOV 1

NOV 2

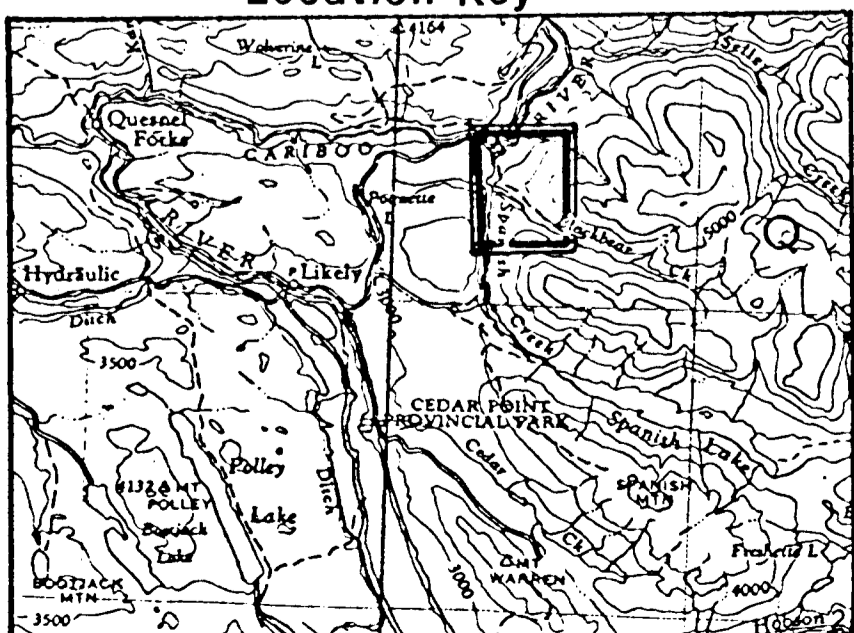
SUN
FR.

LEGEND

Soil Silver (ppm x 101)

- 2.5
- 1.8
- - - 1.3
- NS Not Sampled
- - - All weather road primary, 4-wheel drive
- ~ River, creek, intermittent stream
- Y Adit

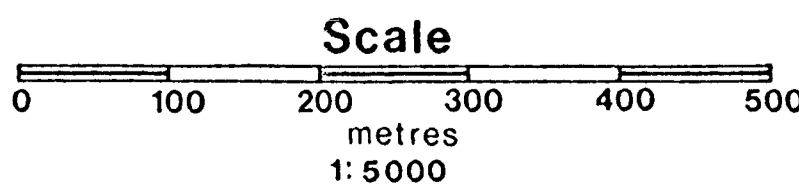
Location Key



GEOLOGICAL BRANCH
MINING REPORT

17,103

To accompany a report entitled
"GEOCHEMICAL AND GEOPHYSICAL RECONNAISSANCE
EXPLORATION IN THE EASTERN PORTION OF THE
NOV CLAIM GROUP, CARIBOO MINING DIVISION
LIKELY AREA, B.C." dated 26 February 1988 by:



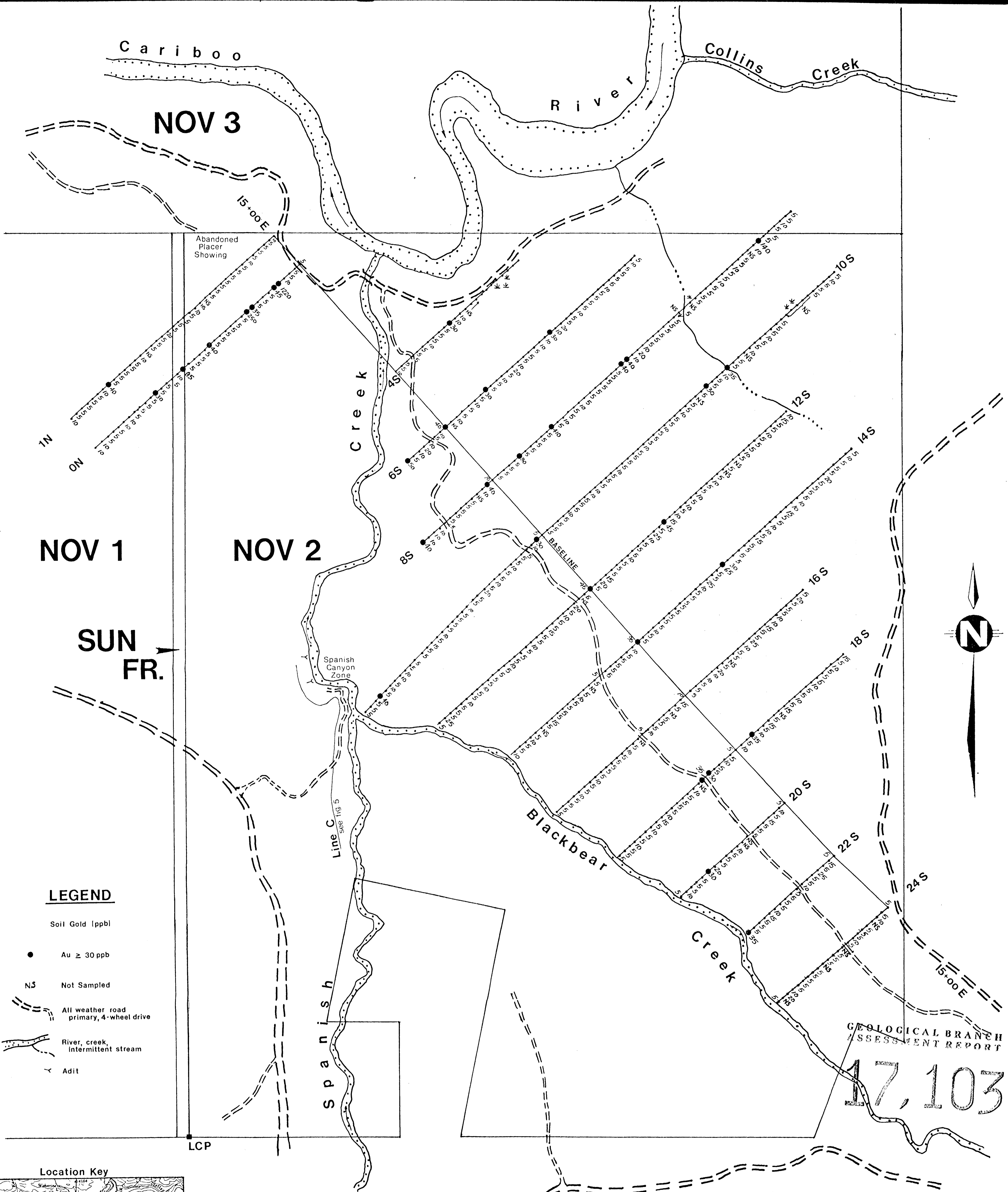
MALCOLM RESOURCES LTD.

NOV CLAIMS
SOIL GEOCHEMISTRY - Ag

SPANISH CREEK, LIKELY AREA
N.T.S. 93A/11, 12 CARIBOO M.D., B.C.

DATE: February 1988 **FIGURE NO. 7**

NEVIN SADLER - BROWN GOODBRAND LTD.



LEGEND

Soil Gold (ppb)

● Au ≥ 30 ppb

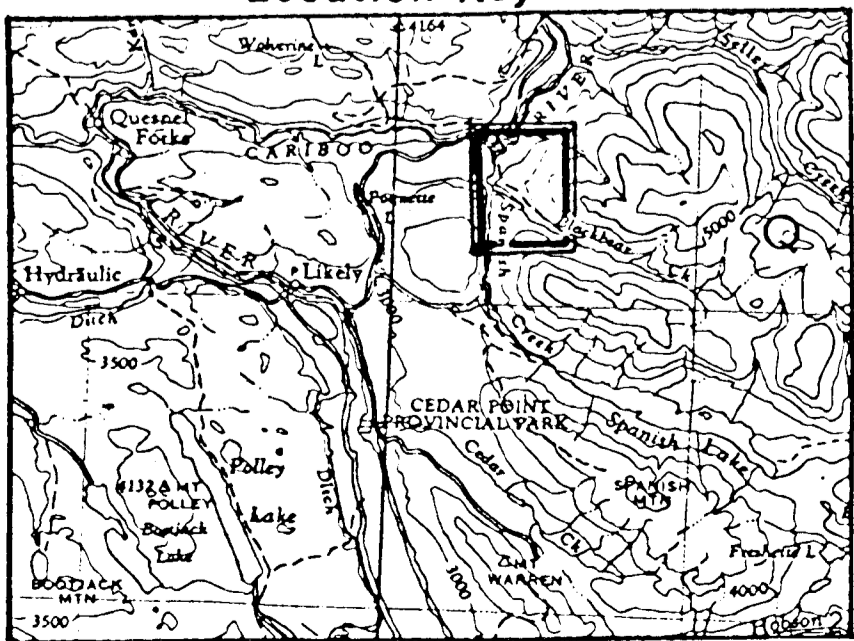
NS Not Sampled

--- All weather road primary, 4-wheel drive

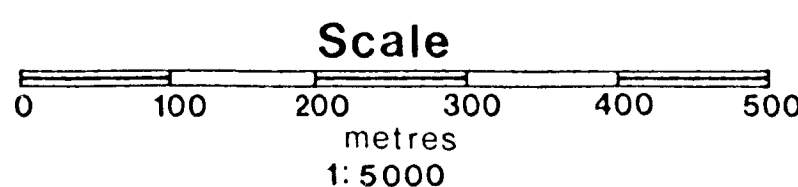
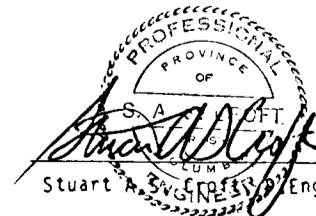
~ River, creek, intermittent stream

Y Adit

Location Key



To accompany a report entitled
 "GEOCHEMICAL AND GEOPHYSICAL RECONNAISSANCE
 EXPLORATION IN THE EASTERN PORTION OF THE
 NOV CLAIM GROUP, CARIBOO MINING DIVISION
 LIKELY AREA, B.C." dated 26 February 1988 by:



MALCOLM RESOURCES LTD.

NOV CLAIMS
SOIL GEOCHEMISTRY - Au
 SPANISH CREEK, LIKELY AREA
 N.T.S. 93A/11,12 CARIBOO M.D., B.C.

DATE: February 1988

FIGURE No. 6

NEVIN SADLER - BROWN GOODBRAND LTD.

500E

750E

1000E

1250E

1500E

1750E

2000E

2250E

2500E

1000S

400S

600S

800S

1200S

1400S

1600S

1800S

2000S

2200S

2400S



SPANISH CREEK

BLACK BEAR CREEK

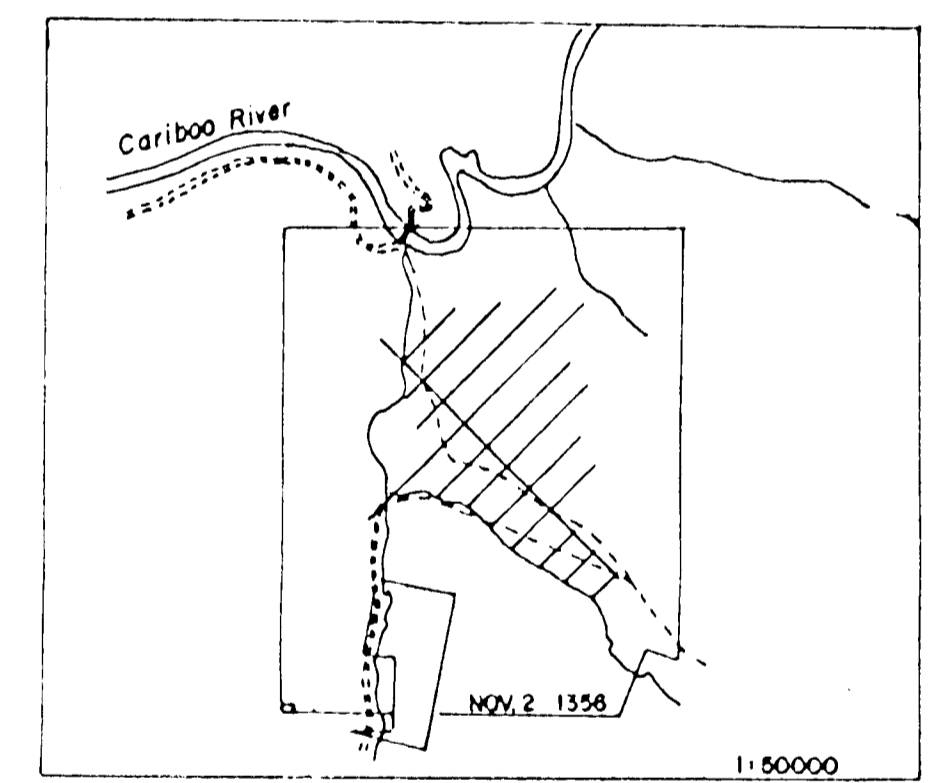


KEY

INSTRUMENT: Sabre EM-27
 STATION: Seattle, Wa. (24.8 kHz)
 PLOTTED VALUES: Solid Line -> Dip angle (°)
 Dashed Line -> Field strength (%)
 VERTICAL SCALE: Dip angle -> 10° / cm
 Baseline = 0°
 Field Strength -> 10% / cm
 Baseline = 50%
 Facing Direction: Dip angle -> NE
 Field Strength -> SE

-  Interpreted Conductor Axis
-  Interpreted Contact

NTS: 93A/11W



GEOLOGICAL BRANCH
ASSESSMENT REPORT

17,103
 0m / 250m / 500m
 Scale 1:5000

MALCOLM RESOURCES LTD.	
"NOV" GROUP MINERAL CLAIMS LIKELY B.C.	
VLF-EM SURVEY STACKED PROFILE MAP (Seattle)	
Survey by: NEVIN SADLIER-BROWN GOODBRAND LTD.	
Processing by: GEOSCI DATA ANALYSIS LTD.	
DATE: SEPT.15/1987	FIG: D2