REPORT ON PHASE II GEOLOGY, ROCK, SILT AND SOIL SAMPLING, AND MAGNETOMETER AND VLF-EM SURVEYS

of the

LAZY GROUP PROPERTY

(Lazy K 1-4, Beach, and Creek Claims)

Alberni Mining Division, British Columbia
Latitude 49°24'N, Longitude 125°54'W
NTS 92F/5

for

CONSORT ENERGY CORPORATION

February 29, 1988

C. Naas, B.Sc.

SUMMARY

Phase II exploration of the Lazy Group (Lazy K 1 to 4), Beach and Creek claims), including geological mapping, magnetometer and VLF-EM surveys, rocks, soil and silt sampling, trenching, and line cutting was carried out between November 1987 and February 1988.

Mapping indicates the property to be mainly underlain by Paleozoic mafic to intermediate volcanics with lesser cherty sediments, limestone and basalt in the southwest corner of the property. These rocks are intruded by Jurassic Island Intrusions(?) granodiorite in the western area and by Tertiary(?) diorite, locally quartz diorite in the northeastern area. Tertiary(?) feldspar and quartz-feldspar porphyry dykes are found throughout the northern area.

Strong aerial photo lineaments occur on the property. The Canyon Creek lineament strikes directly towards the old Big Boy Au-Ag mine 3 km to the northwest. The Mine Creek lineament strikes from the upper elevations of the property directly towards the old Abco mine 200 to 500 m north of the property.

The Phase II program focussed on rock samples with anomalous Au values found in the Cotter Creek area during the Phase I program. Anomalous Au values were found in quartz-carbonate veins striking east-west over a width of 20 m in both Ridge Creek and Canyon Creek. A 15 m long trench was excavated in Ridge Creek where samples returned values of up to 4000 ppb Au (check assay: 4.29 g/t = 0.125 oz/ton, sample 18504). Values of up to 2056 ppm Pb (sample 19185) and 2634 ppm Zn (sample 18503) were also obtained from this zone.

A new gold-bearing zone was discovered on Cotter Creek near L4+00E. This zone consists of north-south trending quartz-carbonate veins in shear zones. Intense quartz-carbonate alteration exists in the wall rock for up to 1 m from the quartz-carbonate veins. The veins and accompanying wall rock alteration can be traced for 50 m which cut both moderately altered intermediate dykes and mafic to intermediate volcanics. A 20 m long trench was excavated in this area where rock samples of quartz-carbonate veins returned values up to 1800 ppb Au (check assay: 2.21 g/t = 0.064 oz/ton, sample 19191). Samples of the altered wall rocks returned values up to 490 ppb Au (sample 23144).

Anomalous Au values were also returned from quartz-carbonate veins of various strikes near Canyon and Ridge Creeks. Samples returned values up to 250 ppb Au, 2107 ppm Zn and 1198 ppm Cu.

A 3 m wide quartz-ankerite vein in a 15 m wide shear zone was discovered at the 380 m elevation in Canyon Creek. A grab sample of this vein returned a value of 133 ppb Au. The geological setting of this zone is very similar to that of the old Big Boy mine, about 3 km to the northwest.

Intensely quartz-carbonate-epidote altered mafic volcanics, located 50 to 200 m north of the Lazy group property, returned values up to 48.8 ppm Ag. The strike of the altered zones is northeast-southwest.

South of Cotter Creek, a zone of locally weak to strongly anomalous Au soil geochemical samples form a zone which strikes parallel to the Canyon Creek lineament. This zone overlies the anomalous Au rock geochemical samples found in Ridge Creek and

strikes towards rock samples with anomalous Au geochemical values found in Canyon Creek. A second zone of locally weak to strongly anomalous Au soil geochemical samples lies 200 m south along strike of the anomalous Au rock geochemical samples located in Cotter Creek. North of Cotter Creek, moderate to strongly anomalous Au soil geochemical values outline a 300 m long zone that is downslope of the mine spur lineament. No outcrop was found in this area.

The soil survey was carried out over 7.8 line-km of grid located on both the north and south sides of Cotter Creek. This survey outlined several anomalous zones of Au, Ag, As, Pb, Cu, and Ca which may represent extensions of the anomalous Au found in rock samples.

The magnetometer survey was carried out over 4.4 line-km of grid located on the south side of Cotter Creek. The information may help to define lithological/structural features.

The VLF-EM survey was carried out along the same grid lines as the magnetometer survey. This survey outlined two bedrock conductors. The first conductor may reflect the Canyon Creek lineament. The second conductor may reflect a cultural response near the road.

A Phase III program consisting of geological mapping and rock sampling, enlarging the existing grid to the north and east, and establishing a second grid on the higher elevations across the Mine Creek lineament, with soil survey on the Cotter Creek grid, and soil, magnetometer and VLF-EM survey on the second grid; and an I.P. survey followed by drilling of favourable results, is recommended at an estimated cost of $300,000.

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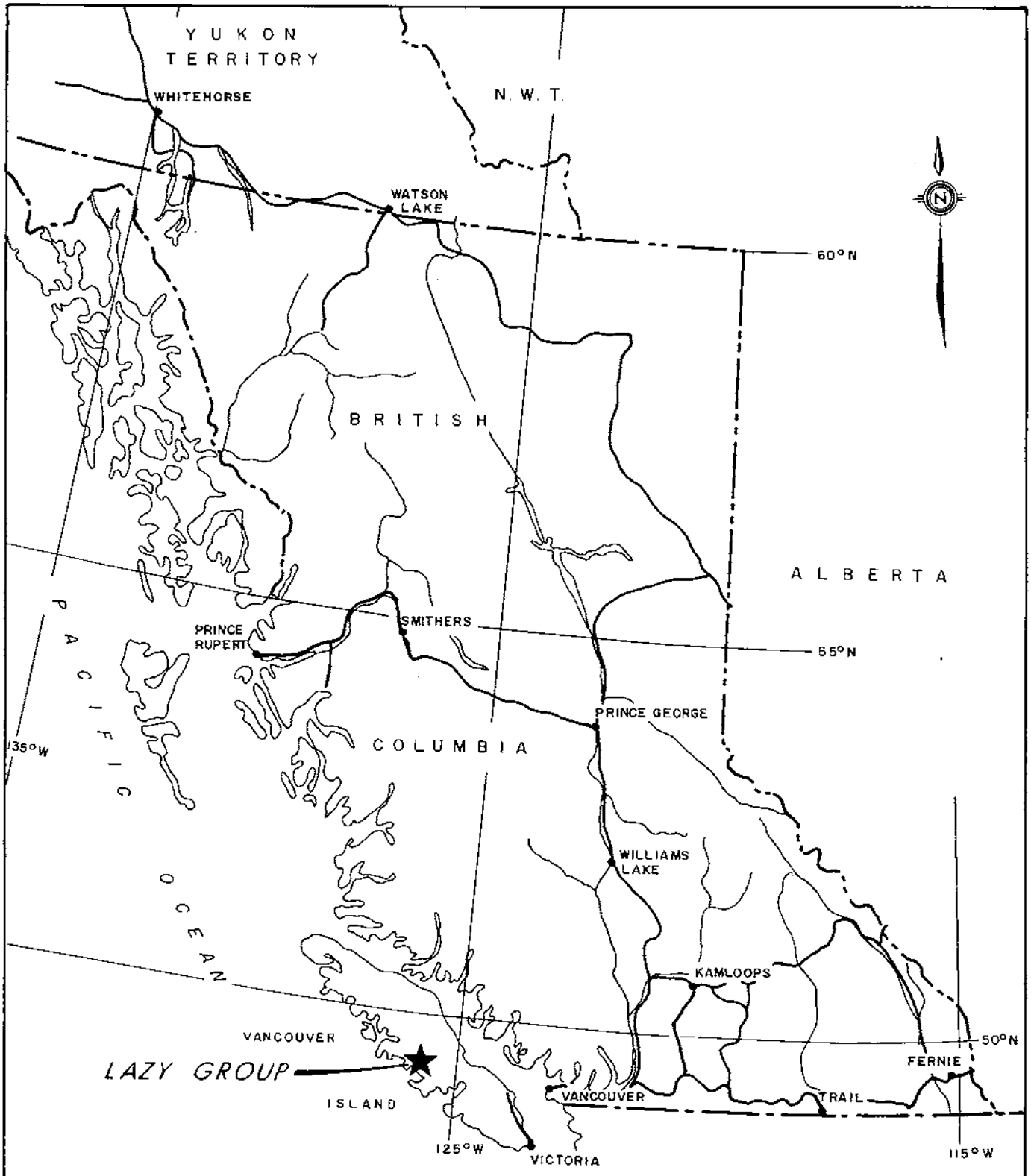

CONSORT ENERGY CORPORATION

GENERAL LOCATION MAP
LAZY GROUP PROJECT
HERBERT INLET, B.C.
ALBERNI MINING DIVISION

Project No: V 261	By: T.N.
Scale: 1 : 8 000 000	Drawn: J. S.
Drawing No: FIG. 1	Date: FEBRUARY 1988

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1.0 INTRODUCTION

This report represents the compilation of results of exploration work carried out by MPH Consulting Limited on the Lazy Group of claims (Lazy K 1 to 4, Beach and Creek claims) from November 30, 1987 to December 23, 1987; January 4 to 20, 1988; and February 14 to 27, 1988. The work was performed at the request of Mr. Harry Bygdnes, Consort Energy Corporation.

The first visit to the property gathered a total of 84 rock samples, and 187 soil samples from a 4.4 line-km grid. Magnetometer and VLF-EM surveys were conducted over the entire grid. A total of 3 silt samples was collected in various parts of the Lazy Group property. The second visit focussed on the anomalous Au geochemical values found during the first visit. A total of 87 soil samples was gathered by enlarging the grid to the north as well as additional intermediate sample lines on the south slope totalling 2 km of line. Detailed geological mapping and rock sampling of the grid area continued. A total of 14 rock samples was collected. Work was suspended on January 20, but resumed again on February 14. During this third visit, two trenches were excavated in areas of anomalous Au rock samples. A total of 43 rock samples was collected and 64 soil samples from an additional 1.4 km of line on the north side of Cotter Creek. A total of 2.5 km of line was cut in preparation for Phase III geophysical surveys. Final departure from the Lazy Group property took place on February 27, 1988.

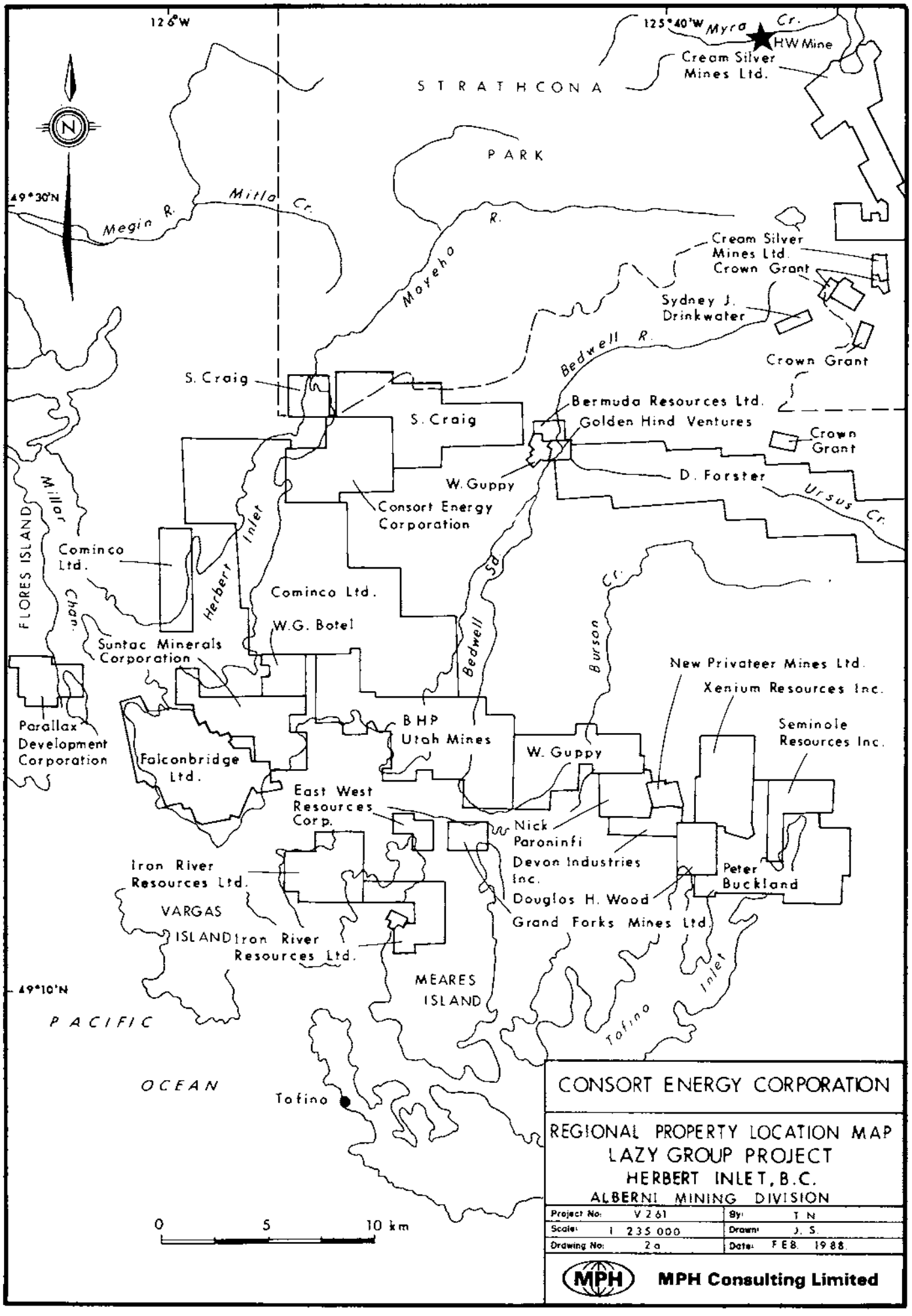
Included in the report is a description of regional geology, nearby mineral occurrences, and a recommended work program to follow up the results of the Phase II exploration program.

2.0 PROPERTY LOCATION, ACCESS, TITLE

The Consort Energy Corporation Lazy Group property is located 28 km north of Tofino on the eastern side of Herbert Inlet, immediately south of Strathcona Provincial Park, on NTS mapsheet 92F/5. It is centred at about 49°24'N latitude, 125°54'W longitude in the Alberni Mining Division of British Columbia (Figures 1, 2a and 2b).

Access to the property is by water or air. No docking facilities exist on the property. A helicopter landing pad has been established on the baseline at L4+00E of the Cotter Creek grid, approximately 1.3 km from the shoreline. Other helicopter accesses exist at a few locations along the shoreline and on the top of the ridge (±1000 m elevation). Thick forest and brush prevent helicopter access to all other parts of the property. Three roads exist on the property. The first road is located on the north side of Cotter Creek. It runs parallel to the creek and is drivable. The second road is located on the south side of Cotter Creek which runs parallel to the creek and is not presently drivable. The third road is non-drivable and exits the northern road 1 km east of the shoreline and terminates at Mine creek at the 250 m elevation.

The Lazy Group consists of 7 claims totalling units as summarized below (Figure 2). The anniversary dates listed below do not include Phase II work.



CONSORT ENERGY CORPORATION

REGIONAL PROPERTY LOCATION MAP
LAZY GROUP PROJECT
HERBERT INLET, B.C.
ALBERNI MINING DIVISION

Project No:	V 261	By:	T N
Scale:	1 235 000	Drawn:	J. S.
Drawing No:	2a	Date:	FEB. 1988.

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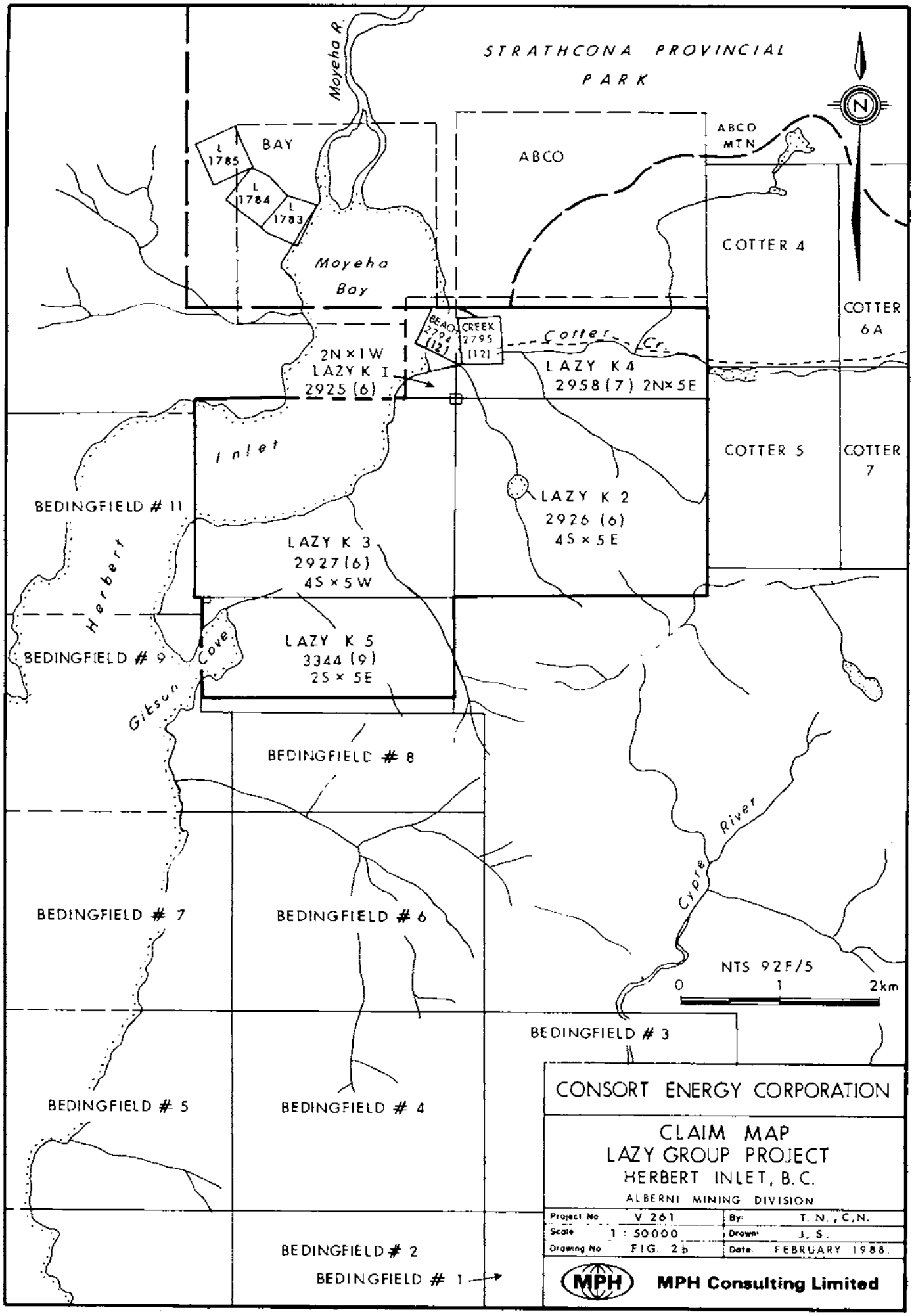

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CLAIM MAP
LAZY GROUP PROJECT
HERBERT INLET, B.C.

ALBERNI MINING DIVISION

Project No	V 261	By:	T. N., C.N.
Scale	1 : 50000	Drawn:	J. S.
Drawing No	FIG. 2b	Date:	FEBRUARY 1988.

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Claim	Record No.	Units	Anniversary Date	Year Recorded
Lazy K 1	2925	4	June 5, 1994	1986
Lazy K 2	2926	20	June 5, 1991	1986
Lazy K 3	2927	20	June 5, 1991	1986
Lazy K 4	2958	10	July 7, 1994	1986
Lazy K 5	3344	10	Sept. 2, 1988	1987
Beach	2794	1	Dec. 23, 1994	1985
Creek	2795	1	Dec. 23, 1994	1985
	Total	**66**		

The Lazy K 1 to 4 claims are owned by Consort Energy Corporation; the Lazy K 5 claim by H. Chaudet; and the Beach and Creek claims by G. Kinar. Consort Energy Corporation is the operator of the property.

The location of the common Legal Corner Post of Lazy K 1 to 4 claims 700 m north of its position on the government claim map resulted in the dropping of a total of 12 units (2 units from Lazy K 1, 10 units from Lazy K 4) on September 3, 1987. The 12 claim units were extending into Strathcona Provincial Park and were therefore void. Lazy K 5 claim was subsequently staked in the south.

The Lazy K 1 to 4, Beach and Creek claims were grouped as the Lazy Group by Notice to Group dated June 5, 1987. Lazy K 5 claim was staked in August 12, 1987 and is not grouped with the other 6 claims.

3.0 HISTORY AND ECONOMIC SETTING

3.1 History

The occurrence of gold in the area of the Lazy Group was first discovered in 1933, near the mouth of the Moyeha River. The discovery of placer gold in Cotter Creek shortly afterwards led to the discovery of two auriferous shear zones on the mountainside to the north. From 1934 to 1942 various companies explored and worked the showings, known as the Abco Mine, with several adits, drifts, and raises. A tramline to carry ore and supplies up and down the mountainside from Cotter Creek to the 740 m level was constructed prior to 1935. Total production in 1935, 1937, and 1938 is recorded as 72.6 tonnes yielding 7216 g Au, 3204 g Ag, and 265 kg Cu (99.4 g/t Au, 44.1 g/t Ag, 0.37% Cu) (MMM, 1984). In 1942 the property was allowed to lapse. It was restaked in 1944; however, very little work was done until the period from 1959 to 1962 when Berton Gold Mines Ltd. constructed docking facilities on Herbert Inlet, built a road to the bottom of the tramline, drove a new 279 m long adit at the 300 m elevation level, and carried out 290 m of diamond drilling at the face of the new adit. No work on the showings has been carried out since 1962. The showings were within the boundaries of Strathcona Provincial Park when the Lazy claims were staked.

The ground covered by the Lazy Group claims was explored from 1984 to 1987 by Consort Energy Corp. In 1984, 16 silt samples and 50 soil samples were collected from the Lazeo-Klein claim (Cook, 1984). A strong Au silt anomaly was located on a creek draining the south side of the Cotter Creek valley and weak Au soil geochemical anomalies along with a weak and a strong Au silt anomaly were located on the north side of Cotter Creek.

In 1985 rock, soil, and silt sampling was carried out on the Herb 1, 2, and 6 and Lazeo-Klein claims (Gannon, 1985). The highest result was 31 ppb Au, and 31 of 37 rock samples returned less than 10 ppb Au. Soil and silt sampling located some weakly to strongly anomalous Au values north of Cotter Creek.

The Herb and Lazeo-Klein claims lapsed, and the Lazy K 1-4 claims were staked in 1986 for Consort Energy Corporation.

On July 7, 1987, areas north of the Lazy Group property covering the old Abco mine in Strathcona Provincial Park became open to staking. This area was subsequently staked (Figure 3).

In 1987, geological mapping, rock, soil and silt sampling was carried out on the Lazy K 1 to 4 claims (Neale, 1987). Geological mapping indicated the property to be underlain by mafic to intermediate volcanics with lesser cherty sediments, and limestone. Smaller granodiorite and diorite intrusions were found in the western areas of the property.

Of the 161 rock samples collected on the Lazy Group property, 15 samples contained between 20 ppb Au to 2000 ppb Au. The higher values of Au were located on the south slope of the Cotter Creek valley. A total of 38 soil samples were taken from the north side of Cotter Creek returning weakly to moderately anomalous Au values. The highest Au value returned was 40 ppb and is located near Mine Creek. A total of 434 silt samples was collected from creeks throughout the Lazy Group. Of the 43 silt samples gathered, 40 ppb Au was the highest returned value.

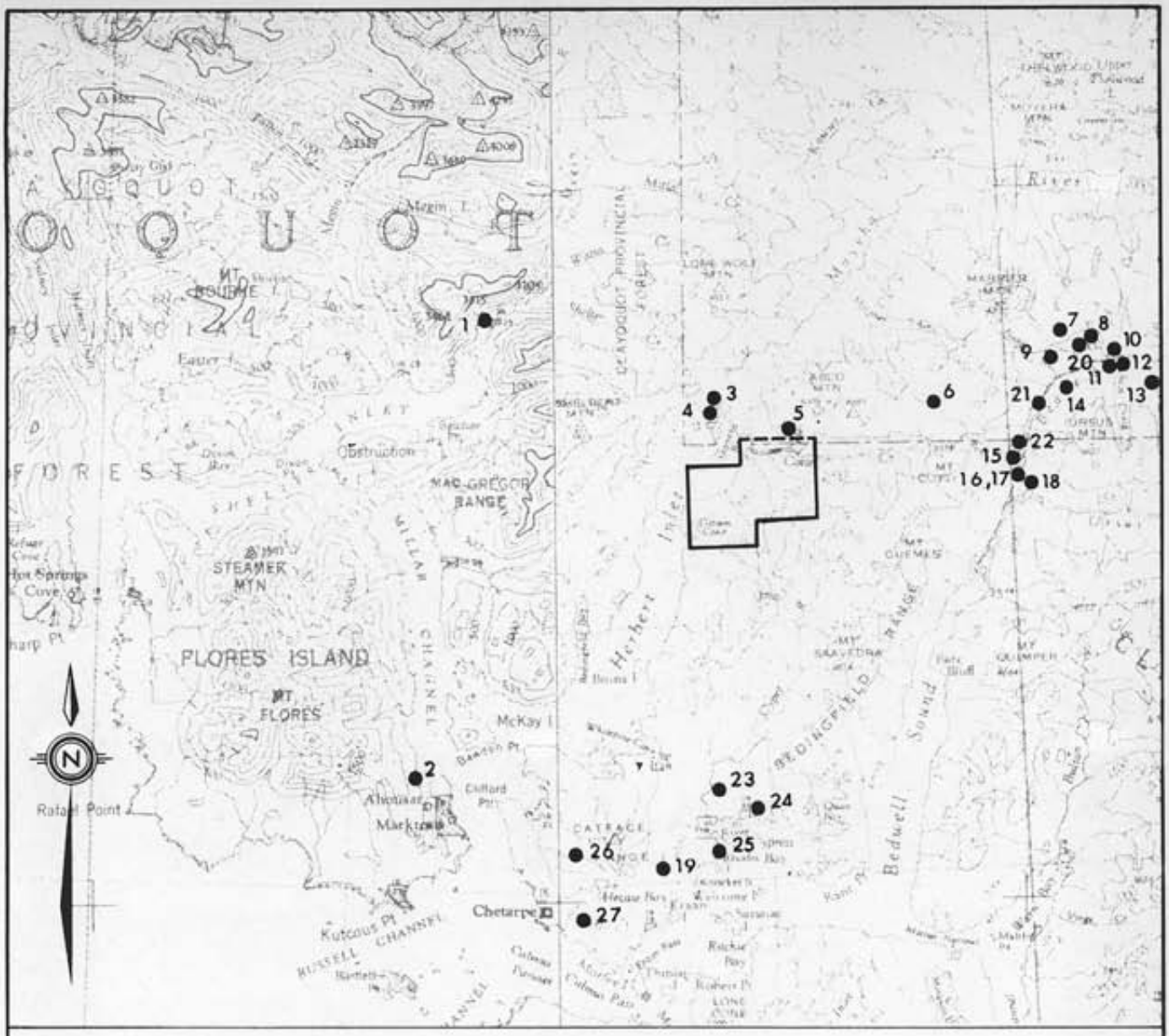
In 1986 the Lazy K 5 claim was staked due to the discovery of a copper-silver mineralized boulder returning 16.8 ppm Ag and 13964 ppm Cu.

The other main showing is the Gibson, which is described in MMAR (1935) as a well-defined quartz stringer up to nearly 30 cm wide and several smaller quartz stringers below it, cutting andesite in a shear zone oriented 120/14NE. The quartz contains minor pyrite, galena, and chalcopyrite. The shear zone was exposed for 9 m by 1.2 to 1.5 m and yielded assays of up to 49.4 g/t Au. Free gold was reported to be visible in the andesite. Bancroft (1937) described the Gibson showing as three zones of quartz-calcite veinlets up to 20-25 cm wide within a 4.6 m zone of carbonatized, locally epidotized, dacite.

Total recorded production from the Abco Mine in 1935, 1937, and 1938 is 72.6 tonnes grading 99.4 g/t Au and 44.1 g/t Ag with minor (less than 1%) Cu, Pb, and Zn values.

The second ex-producer near the Lazy Group is the Big Boy (3) (Figure 4). Geologically similar to the Abco Mine, the Big Boy mine produced 54.4 tonnes of ore grading 93.1 g/t Au, 54.3 g/t Ag, 0.39% Cu, 0.37% Pb from a shear zone trending 115/20SW. The Moyeha (4), Tyee (4), and Dawn (6) showings are also geologically similar, with Au-Ag-bearing sulphide mineralized quartz veins in shear zones cutting volcanics and quartz porphyry dykes. The Herbert Inlet area showings occur in a geological setting similar to that of the Zeballos gold camp, 90 km to the northwest, where 651,797 tonnes of ore was produced between 1934 and 1948 at average grades of 14.5 g/t Au and 6.3 g/t Ag (Cooke, 1984).

Numerous showings occur near the head of Bedwell Sound, about 10 km east-southeast of the Lazy Group. At the Musketeer Mine (12) quartz veins in sheared fractures striking north to northeast to east and dipping steeply northwest in Karmutsen Formation



Precious Metal Occurrences

1	High Boy	Au
2	Contact	Au Ag Cu Pb Zn As
3	Big Boy	Au Ag Cu Pb
4	Moyeha, Tyee	Au Ag
5	Abco Mine	Au Ag
6	Dawn	Au
7	Belvedere	Au Ag
8	OK	Au Ag
9	Noble	Au Ag
10	BB and M	Au
11	Joker	Au Ag ?
12	Musketeer	Au Ag Zn Cu Pb
13	Buccaneer	Au Ag Cu Pb
14	Corona	Au
15	Avon	Au Cu Ag Pb Fe
16	Seattle	Au Cu Fe
17	Brooklyn	Au Pb
18	Prosper	Au Ag Cu Pb
19	Cyprus	Au Cu Mo

Other Occurrences

20	Dry Gulch	Mo
21	Empress	Cu
22	Galena	Fe Cu
23	Cats-Eye	Cu
24	Bay Creek	Cu
25	Good Hope	Cu Au Ag
26	Irishman Ck.	Cu
27	Catface	Cu Mo Au Ag

0 5 10 km

NTS 92E, 92F

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MINERAL OCCURRENCES LOCATION MAP

LAZY GROUP PROJECT
HERBERT INLET, B.C.
ALBERNI MINING DIVISION

Project No:	V 261	By:	T. N., C. N.
Scale:	1 : 250 000	Drawn:	J. S.
Drawing No:	FIG. 3	Date:	FEBRUARY 1988.

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volcanics underlain by quartz diorite have produced 4536 tonnes of ore (milled; 9616 tonnes mined) in 1942, 1961-63, 1974, and 1975 yielding 94,926 g Au, 53,995 g Ag, 522 kg Cu, and 11,099 kg Pb. Reserves are reported as 5443 tonnes grading 69 g/t Au (unclassified) as of June 18, 1974. The neighbouring Buccaneer Mine (13) produced 5897 tonnes of ore grading 20.6 g/t Au, 6.6 g/t Ag, minor Pb, Cu in 1941, 1942, 1947, 1958, and 1959. Two branching quartz veins in or near altered andesite dykes in the Jurassic Bedwell Batholith contain disseminated gold-bearing sulphides. Most of the other occurrences in the Bedwell Sound area are also quartz vein showings. The Seattle (16), Prosper (18), and Galena (22) are skarn showings in Vancouver Group volcanics and/or limestone. The Prosper produced 81.6 tonnes of ore grading 81.5 g/t Au and 76.9 g/t Ag in 1942 and 1950.

The Catface deposit (27), located about 20 km south of the Lazy Group is a porphyry Cu-Mo deposit hosted by a Tertiary quartz diorite intrusion and its Paleozoic and Triassic country rocks. Reserves calculated in 1971 are 181,440,000 tonnes measured geological at a grade of 0.45% Cu.

3.2 Economic Setting

The Lazy Group is partially underlain by rocks of the Sicker Group, which elsewhere on Vancouver Island host volcanogenic massive sulphide mineralization. Examples include Westmin Resources Ltd.'s Buttle Lake Mines with reserves of 14.7 million tonnes grading 2.1% Cu, 0.3% Pb, 5.4% Zn, 2.4 g/t Au, and 41 g/t Ag (Walker, 1983); and the Abermin Corp. Lara deposit near Duncan with reserves of 837,000 tonnes grading 0.62% Cu, 0.81% Pb, 3.59% Zn, 3.26 g/t Au, and 89.5 g/t Ag (1987). Mineral occurrences in the area of the Lazy Group are shown in Figure 3.

A number of gold occurrences, two of which are past producers, occur in the immediate vicinity of the property. At the Abco Mine (5) 7 showings consisting of quartz and quartz-calcite veins containing pyrite and chalcopyrite with traces of galena and sphalerite occur in shear zones cutting volcanics variously described as andesite (MMAR 1935) or dacite (Bancroft, 1937). The strike of the shears is variable, but mainly from northerly to northeasterly and dips are generally gentle. Feldspar porphyry dykes are commonly present near or at the showings. The wall rocks are at least locally carbonatized and pyritic.

Assays of up to 448.8 g/t Au, 212.6 g/t Ag are reported from the Mary McQuilton showing. A 1935 description of the showing states that two parallel quartz veins 60 cm apart occur along the hanging wall of a 3.7 m wide shear zone oriented 045/50-60NW. The veins are 15 to 45 cm wide and are separated by shattered, mineralized andesite. The zone was exposed for at least 27 m (MMAR, 1935). A 1937 report states that the showing consists of three lenticular quartz-calcite veins up to 15 cm wide in massive dacite (Bancroft, 1937).

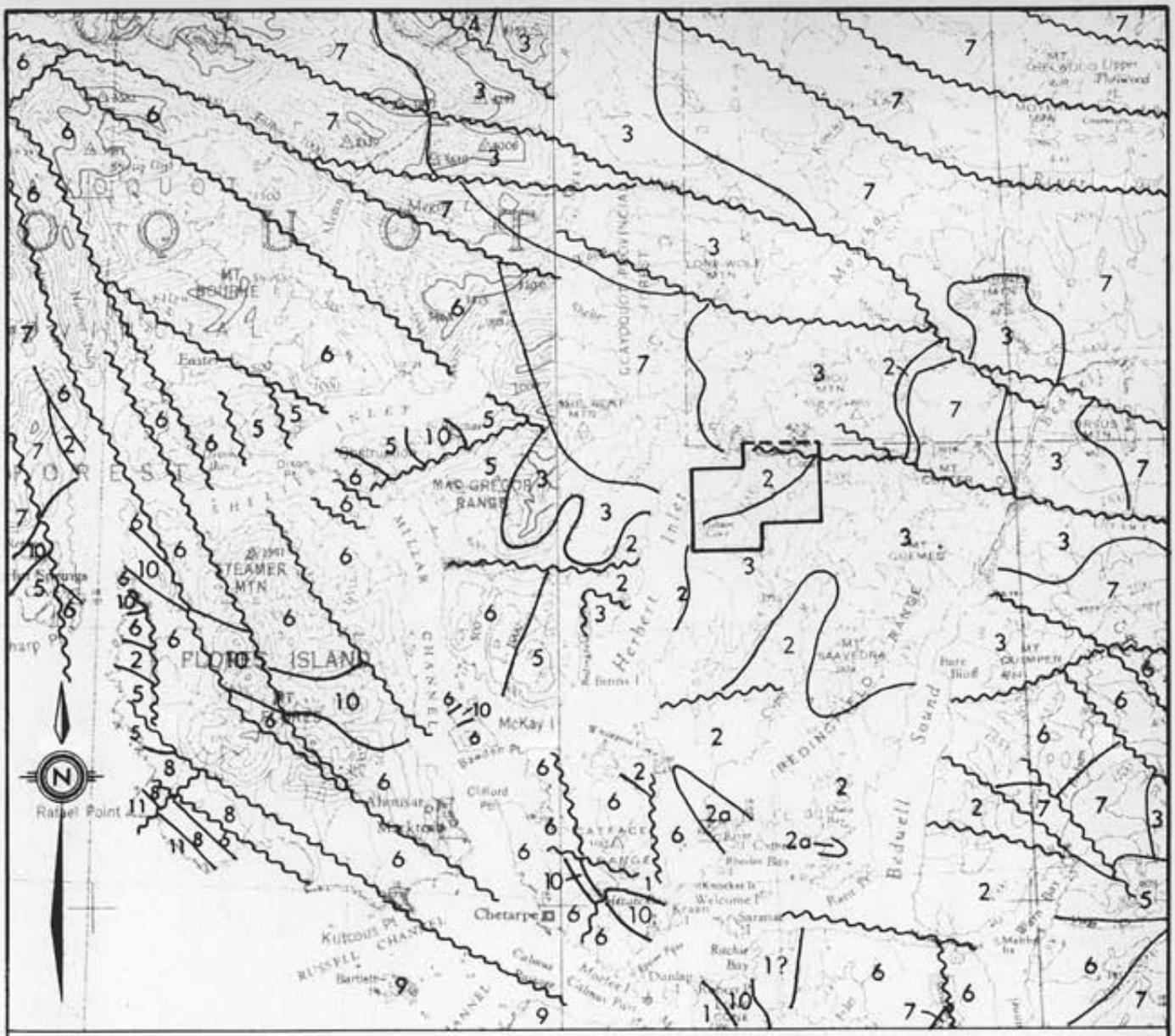
4.0 REGIONAL GEOLOGY

The west coast of Vancouver Island in the vicinity of Herbert Inlet, is underlain primarily by metavolcanic and lesser metasedimentary rocks of the Westcoast Complex along the coastal areas, with extensive exposures of Triassic Karmutsen Formation rocks and lesser Paleozoic Sicker Group rocks, intruded by Jurassic Island Intrusions rocks inland (Figure 3). The following description of regional geology is based mainly on mapping by Muller, et al (1981) in the Nootka Sound area and by Muller (1977) in the Herbert Inlet area.

4.1 Sicker Group

Muller (1980) proposed the following subdivision of the Sicker Group, from oldest to youngest: Nitinat Formation, Myra Formation, Sediment-Sill Unit, and Buttle Lake Formation.

In the Nootka Sound map area, the Sicker Group is represented by metamorphosed clastic sediments (Unit 2) in roof pendants and along the Muchalat Batholith. It is difficult to determine the total thickness of the Sicker Group here because of intrusive contacts, but it is estimated to be between 300 and 600 m (Muller, et al, 1981). They are generally in intrusive contact with granitoid rock and commonly interleaved with metabasaltic rocks. These metabasalts are perhaps sills that were emplaced later, possibly in conjunction with the eruption of Karmutsen Formation lavas.



TERTIARY
Eocene and Oligocene
11 Hesquiat Fm.
Eocene
10 Catface Intrusions

JURASSIC AND CRETACEOUS
9 Pacific Rim Complex

JURASSIC
Lower Jurassic
8 Bonanza Gp.
7 Island Intrusions

PALEOZOIC AND MESOZOIC
Westcoast Complex
6 Westcoast Diorite
5 Westcoast Amphibolite

TRIASSIC
(Middle ? and) Upper Triassic
Vancouver Group
4 Quatsino Fm.
3 Karmutsen Fm.

PENNSYLVANIAN AND OLDER
Sicker Group
2 Sediments
2a - diabase sills
1 Volcanics

References GSC OF 463; Paper 80-16

0 5 10 km

NTS 92 E, 92 F

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REGIONAL GEOLOGY MAP
LAZY GROUP PROJECT
HERBERT INLET, B.C.
ALBERNI MINING DIVISION

Project No:	V261	By:	T.N., C.N.
Scale:	1 : 250 000	Drawn:	J. S.
Drawing No:	FIG. 4	Date:	FEBRUARY 1988.

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The sills in the roof pendant areas of Muchalat Batholith are massive greenish black, fine to medium grained amphibolite. Thin sections commonly show relict diabasic texture.

In Late Triassic time, the sediments were intruded by diabase sills comagmatic with Karmutsen Formation volcanics, and minor thermal metamorphism occurred.

The Sicker Group in the Herbert Inlet area has been mapped by Müller (1977) mainly as a greywacke-argillite sequence (Unit 2). Included within this unit are minor amounts of limestone. Unit 2a consists of diabasic sills intruding the Sicker Group sedimentary rocks; these sills are not mapped separately in the Nootka Sound map area. Small amounts of Unit 1 Sicker Group volcanic rocks, ranging from basaltic to rhyolitic fine-grained banded tuffs to breccias to agglomeratic flows are mapped by Muller (1977) in the Herbert Inlet area. Similar rocks, if they occur in the Nootka Sound map area, were probably included with "amphibolitic" Westcoast Complex rocks (Unit 5).

The **Nitinat Formation** consists predominantly of mafic volcanic rocks, most commonly flow-breccias or agglomerates including some massive flows, and rare pillow basalts. It is not mapped within the Herbert Inlet or Nootka Sound areas, but may be included in Unit 1 and/or Unit 5.

The **Myra Formation** overlies the Nitinat Formation, possibly with minor unconformity. In the Port Alberni area the Myra Formation is made up of a lower massive to widely banded basaltic tuff and breccia unit, a middle thinly banded albite-trachyte tuff and argillite unit, and an upper thick bedded, medium-grained albite-trachyte tuff and breccia unit.

The type locality of the Myra Formation is Myra Creek, at the south end of Buttle Lake, about 25 km northeast of the Lazy Group. Volcaniclastic rocks consisting dominantly of rhyodacitic or rhyolitic tuff, lapilli tuff, breccia, and some quartz porphyry and minor mafic flows and argillite (Upper Myra Formation) are host to Westmin Resources Ltd.'s Myra, Lynx, Price, and H-W massive sulphide (Cu-Zn-Pb-Au-Ag-Cd) deposits. The Myra Formation is not mapped within the Herbert Inlet or Nootka Sound areas but may be included in Units 1, 2, and/or 5.

The **Sediment-Sill Unit** is transitional between the Myra and Buttle Lake Formations. The upper and lower contacts are poorly defined. Thin bedded, turbidite-like, much silicified or cherty massive argillite and siltstone are interlayered with diabasic sills. The sediments show conspicuous dark and light banding on joint surfaces. The sills consists of a fine-grained, greenish black matrix containing feldspar phenocrysts up to more than 1 cm, commonly clustered in rosettes up to few centimetres in diameter, producing a very distinctive "flower porphyry" appearance. Subophitic texture may also be visible in hand specimen. The sediments are dated as Mississippian in age whereas the sills are believed to represent feeders to Triassic Karmutsen volcanics. The Sediment-Sill Unit is not mapped within the Herbert Inlet or Nootka Sound areas, but is probably included in Unit 2 and may also be included in Unit 5. The sills are shown as Unit 2a in the Herbert Inlet area.

The **Buttle Lake Formation** consists of a basal green and maroon tuff and/or breccia overlain by coarse-grained crinoidal and calcarenitic limestone, fine-grained limestone with chert nodules and some dolomitic limestone. Lesser amounts of argillite, siltstone, greywacke, or chert may also be present.

The Buttle Lake Formation is up to 466 m thick and, on the basis of fossil dating, appears to be Middle Pennsylvanian, but may be as young as Early Permian (Muller, 1980). It is not mapped within the Herbert Inlet or Nootka Sound areas, but may be included in Unit 2.

4.2 Vancouver Group

The **Karmutsen Formation** (Unit 3) volcanic rocks unconformably to paraconformably overlie the Buttle Lake Formation limestone to form the base of the Vancouver Group. They are the thickest and most widespread rocks on Vancouver Island. The formation consists mainly of dark grey to black, or dark green, tholeiitic pillow basalt, massive basalt, and pillow breccia. Flows are commonly aphanitic, feldspar porphyritic, and amygdaloidal. Pillow lavas generally occur toward the base of the section.

Karmutsen Formation rocks are generally relatively undeformed compared to Sicker Group rocks and are dated Upper Triassic and older. Extensive exposures of Karmutsen rocks, as roof pendants in the Jurassic Muchalat Batholith occur north of the head of Herbert Inlet.

The Upper Triassic sediments (mainly limestone) of the **Quatsino Formation** (Unit 4) are found overlying Karmutsen Formation volcanics south of the head of Muchalat Inlet. Most of the economic skarn deposits on Vancouver Island are hosted by Quatsino Formation limestone.

4.3 Westcoast Complex

The **Westcoast Complex** (Units 5, 6) comprises a variety of plutonic and metamorphic basic crystalline rocks including amphibolite, diorite, and quartz diorite with homogeneous, agmatitic or gneissic textures. Metamorphosed Karmutsen Formation and/or Sicker Group rocks grade locally into the complex and are believed to be its protolith, having undergone migmatization in Early Jurassic time. The mobilized granitoid portion of the complex is believed to be the source of the Island Intrusions and, indirectly, the Bonanza Group volcanics (Muller, 1981, 1982). Small bodies of recrystallized limestone found within the complex are believed to be derived mainly from the Quatsino Formation, and to a lesser extent from the Buttle Lake Formation.

Isachsen (1984) reinterpreted the Westcoast Complex as a mixture of Jurassic intrusives and metamorphosed Karmutsen/Sicker rocks. The intrusive component of the Complex (Westcoast Diorite - Unit 6) varies in composition from trondjhemite to gabbro and is believed to be derived from the mantle rather than Paleozoic/ Mesozoic rocks. Consistent U-Pb isotopic dates of 176-189 Ma have been obtained. The Westcoast Diorite intruded the pre-existing Sicker and Karmutsen rocks, which were contemporaneously metamorphosed into the Westcoast Amphibolite (Unit 5).

The Westcoast Amphibolite is locally intimately mixed with Westcoast Diorite, producing Westcoast Migmatite. The Island Intrusions and Bonanza Group are considered to be higher level comagmatic differentiates of the Westcoast Diorite.

In the map area, the Westcoast Complex extends from Sydney Inlet southeastward across Flores Island and across the mouth of Bedwell Sound. The amphibolite unit (Unit 5) consists of foliated metavolcanic rocks (flows, basaltic dykes, and sills) and metasediments (bedded to massive partly silicified carbonates and pelites). These low grade amphibolites exhibit local generally northwest trending, isoclinal folding (Muller, et al, 1981).

4.4 Island Intrusions

Island Intrusions (Unit 7) make up batholithic granodioritic and granitic rocks along with migmatitic quartz diorites and tonalites of the Westcoast Complex, that comprise about 50% of exposed rocks in the Nootka Sound map area (Muller, et al, 1981). Island Intrusions are widely exposed in the area to the north of Herbert Inlet. These intrusions have been assigned a Middle to Upper Jurassic age.

4.5 Bonanza Group

The **Bonanza Group** (Unit 8) stratigraphy varies considerably in a horizontal and lateral sense, as it represents parts of several different eruptive centres of a volcanic arc. Basaltic, rhyolitic, and lesser andesitic and dacitic lava, tuff, and breccia with intercalated beds and sequences of marine argillite and greywacke make up the Bonanza Group. The Bonanza Group volcanics are considered to be early extrusive equivalents of the Island Intrusions and therefore of Early Jurassic age. Bonanza Group volcanics occur on the southwest corner of Flores Island.

4.6 Pacific Rim Complex

Rocks of the Jurassic and Cretaceous Pacific Rim Complex (Unit 9) occur on Vargas and Bartlett Islands. They include argillite to greywacke, ribbon chert, and pillow lavas and are believed to be of subduction zone origin, similar to the Franciscan Melange of California (Muller, et al, 1981).

4.7 Catface Intrusions

Early Tertiary intrusive stocks (Unit 10) composed mainly of quartz diorite are common on Vancouver Island. In the Nootka Sound map area they are generally southwest trending, cutting Jurassic and older rocks. K-Ar dating is almost essential to differentiate between certain intrusives as lithologies are similar. On Flores Island, the Tertiary intrusives form a 1.5 km wide belt through the middle of the island (Muller, et al, 1981), intruding the Westcoast Complex. South of Herbert Inlet, the Catface copper deposit is closely associated with Tertiary intrusive rocks.

4.8 Hesquiat Formation

The Tertiary **Hesquiat Formation** (Unit 11), striking northwesterly with a shallow southwest dip, underlies part of the southwest coast of Flores Island. Sequences of clastic rocks are composed of either mainly shale, or of alternating shale and sandstone/ conglomerate units.

4.9 Structure

The most widespread structural feature in the area is block faulting. Sicker Group rocks below the Buttle lake limestone have been deformed into asymmetric, locally isoclinal shear folds. Mesozoic and Cenozoic rocks show only local syndepositional folding, except for the Pacific Rim Complex, which is intensely deformed.

Along the coast, northwesterly and lesser northeasterly faults predominate. The major fault is the Westcoast Fault, which separates Westcoast Complex rocks from the underthrust Pacific Rim Complex rocks. Further inland north and west-northwest to west to west-southwest trending faults occur. The westerly set of faults may be related to cooling of the large Jurassic Island Intrusions batholiths while the northerly faults predate the Island Intrusions rocks. All faults are steeply dipping and are usually poorly exposed. Sense of movement on the faults is generally not known due to the lack of marker units.

5.0 PHASE II EXPLORATION

Phase II exploration consisted of detailed geological mapping, rock, soil and silt sampling, magnetometer and VLF-EM surveys, trenching, and line cutting. Work was focussed on the areas of anomalous gold values returned from the Phase I exploration program.

A total of 141 rock, 338 soil and 3 silt samples was collected. Geological mapping at 1:2500 scale was carried out over 4 km^2 of the Cotter Creek area. Extremely thick undergrowth and steep terrain prevented more extensive coverage over the upper elevations of the property.

5.1 Property Geology

The area of the Lazy Group has been mapped by Muller (1977) as underlain by Karmutsen Formation rocks in the northern and southeastern areas, and by Sicker Group sedimentary rocks in the western area (Figure 3).

Geology of the Lazy Group property has been mapped at a scale of 1:10,000 (Figure 5) by Neale (1987) in areas outside the Cotter Creek grid area. The grid area was mapped during Phase II at a scale of 1:2500 (Figure 6), while Trench A (Figure 7) and Trench B (Figure 8) were mapped at a scale of 1:500.

The Cotter Creek area is underlain mostly by mafic to intermediate volcanics with lesser intermediate intrusives. The majority of the volcanics are fine-grained dark green massive

basalt. Quartz, quartz-carbonate, quartz-epidote or epidote stringers are common in both rock units. Feldspar porphyritic basalt is found throughout the grid area, with greater concentrations occurring on the north side of Cotter Creek. Locally within the basaltic rocks, quartz and/or calcite amygdules, and basaltic tuff with fragments to 2 mm are found.

The volcanics are cut by andesitic, feldspar porphyritic and quartz-feldspar porphyritic dykes. The andesitic dykes and/or tuff units are both narrow and abundant. They are fine-grained and range from 10 cm to 10 m wide. The less abundant feldspar porphyritic dykes weather a rusty brown colour and are several metres wide. They are found in Lake Creek and in Ridge Creek at Trench B where they crosscut andesitic dykes. The quartz-feldspar porphyritic dykes are the most abundant of the three types, and occur throughout the grid area within the basaltic unit. They are very irregular in size and shape, and range from massive dykes of greater than 25 m wide to less than 1 m wide with angular contacts with the country rocks. At Trench B, these dykes were observed crosscutting a feldspar porphyritic dyke.

Along the shoreline north of Ocean Creek, and in the Lake Creek area, a body of diorite to (locally) quartz diorite outcrops. The diorite varies from fine- to medium-grained. In the Lake Creek area, a 200 m long outcrop of very mafic-rich diorite was found. At the western edge of this outcrop, up to 20 cm wide xenoliths of mafic-rich diorite as well as basalt were found within the diorite. Xenoliths of basalt of up to 20 cm wide were also found along the shoreline north of Cotter Creek, in Bridge Creek and in the higher elevations of Lake Creek.

In the Cotter Creek area, rocks are carbonatized to some degree. Moderate to intense carbonate alteration occurs in rocks located in faults and shear zones. Greater quartz-carbonate alteration is present in the quartz-feldspar porphyritic dykes than in the basaltic rocks in areas of gold mineralization.

Disseminated pyrite is widespread, especially in the more carbonatized rocks and near quartz and quartz-carbonate veins.

In the area of Ted's Creek, fine-grained basalt, with quartz, quartz-carbonate, or quartz epidote veins, occurs. Locally, minor amounts of tuffaceous and/or more intermediate volcanics are also present, but the rocks are less variable than in the Cotter Creek area. Diorite intrusions found in the Cotter Creek area are absent here. On the ridge between Herbert Inlet and Gibson Cove an irregular body of medium-grained diabasic rock occurs. It is slightly coarser-grained than the neighbouring basalts and is finer-grained than the diorite north of Ocean Creek.

In the Gibson Cove area fine-grained cherty sediments predominate. Significant amounts of basalt occur as major interbeds(?) within the sedimentary unit. Also included in the unit are lesser amounts of argillite, limestone, and laminated cherty siltstone and limestone. The cherty sediments vary in colour from light to dark grey to light whitish-brown and from slightly silty to muddy chert to silica-rich siltstone, to locally, quartzite. The laminated rocks consist of thinly interbedded (1 to 5 cm) cherty rocks, limestone, and minor argillite. They commonly have "wavy" bedding surfaces with small folds(?) up to 10 cm high by 30 cm long and locally are folded on

outcrop scale. An indication of even larger scale folding occurs in the Deep Point area, where bedding strikes north-northeast and dips east, west of the point, and strikes northwest and dips southwest east of the point. North of Gibson Cove strikes are about east-west and dips are northerly. In the Gibson Cove area, despite the local small scale folding, measured strikes are uniformly north-northeast and dips are all moderate easterly. Two mappable intervals of limestone occur within the cherty sediment unit east of Gibson Cove. The limestone is white, medium-grained, and recrystallized. It has a very distinctive "hackly" weathering surface. Another considerable limestone outcrop occurs on Gibson Creek.

On the west shore of Herbert Inlet medium-grained granodiorite intrudes fine- to medium-grained massive black basalt. The granodiorite contains abundant angular basalt xenoliths to at least 1 m in size, while the basalt is cut by abundant granodioritic dykes. A small amount of granodiorite intrusive also outcrops on the east side of Herbert Inlet near Ted's Creek. The granodiorite probably belongs to the Jurassic Island Intrusions, and may be related to the diorite located in the Cotter Creek area.

Structure

Several very strong air photo lineaments occur on the Lazy Group. North-trending lineaments follow Mine Creek, the base of Canyon Creek, and the eastern shore at the head of Herbert Inlet; northwest-trending lineaments follow Ocean Creek and the upper part of Canyon Creek; an east-trending lineament follows Cotter Creek; and northeast-trending lineaments are found at the bottom of Mine Creek and in the area of Gibson Cove.

The Mine Creek lineament is associated with the abandoned Abco mine mineralized zones. The Canyon Creek lineament strikes directly toward the old Big Boy mine at the head of Herbert Inlet. Strongly foliated rocks are found along this lineament, indicating a shear zone.

The Mine spur lineament strikes across Mine Creek near Cotter Creek.

Local evidence of shearing in Ocean Creek and the apparent end of the diorite intrusive at Ocean Creek indicates that the Ocean lineament may well represent a fault. Shearing was also noted in two locations in Lake Creek where the Lake Creek lineament is located.

The Gibson Cove lineament is expressed on the ridgetop between Gibson Cove and Herbert Inlet by a very pronounced flat-bottomed gully cutting diabasic rocks. The lineament appears to separate an area of Unit 2 rocks with variable strike and dip to the north from an area with essentially uniform strike and dip to the south.

A major east-west trending fault has been mapped by Muller (1977) along Cotter Creek. Field evidence to support this claim was not observed on the Lazy Group property during both the Phase I and II exploration programs.

In the area of Trench A, north-south trending shear zones occur up to 2 m wide. Gold mineralization has been found within these shear zones.

North-south jointing is widespread throughout the Cotter Creek area. Shallow dipping joints in the area of Trench A give a step-like appearance in the outcrop. Bedding was not observed in the basalt, but lineations of feldspar phenocrysts, which may represent layering planes, trend north-south in several locations on Cotter Creek.

5.2 Rock Sampling, Trenching and Mineralization

A total of 141 rock samples was collected from within or near the boundaries of the Lazy Group property. The samples were analyzed for Au and by 31-element ICP by Min-En Laboratories. Sample locations outside the grid area are shown in Figure 5 while sample locations within the grid area are shown in Figure 6. Sample descriptions and selected results are included in Appendix II while full analytical results are included in Appendix III.

During the Phase II exploration program, two areas of anomalous Au rock samples were trenched. Trench A is located on Cotter Creek, 1.3 km east of the shoreline. It is 20 m long, and was used to expose the shear zones containing Au mineralization. Trench B is located on Ridge Creek, 200 m south of Cotter Creek. It is 15 m long, and was used to expose quartz veins containing Au, Pb, and Zn mineralization. Locations of Trenches A and B with sample locations and selected analytical results are plotted in Figures 6, 7, and 8.

In Trench A, quartz-carbonate veins with intensely quartz-carbonate-pyrite altered wall rocks are hosted in quartz-feldspar dykes and minor mafic to intermediate volcanics. Of the 24 samples taken from both the trenched and nearby areas, 11 samples returned anomalous Au values. Results are listed below.

TRENCH A

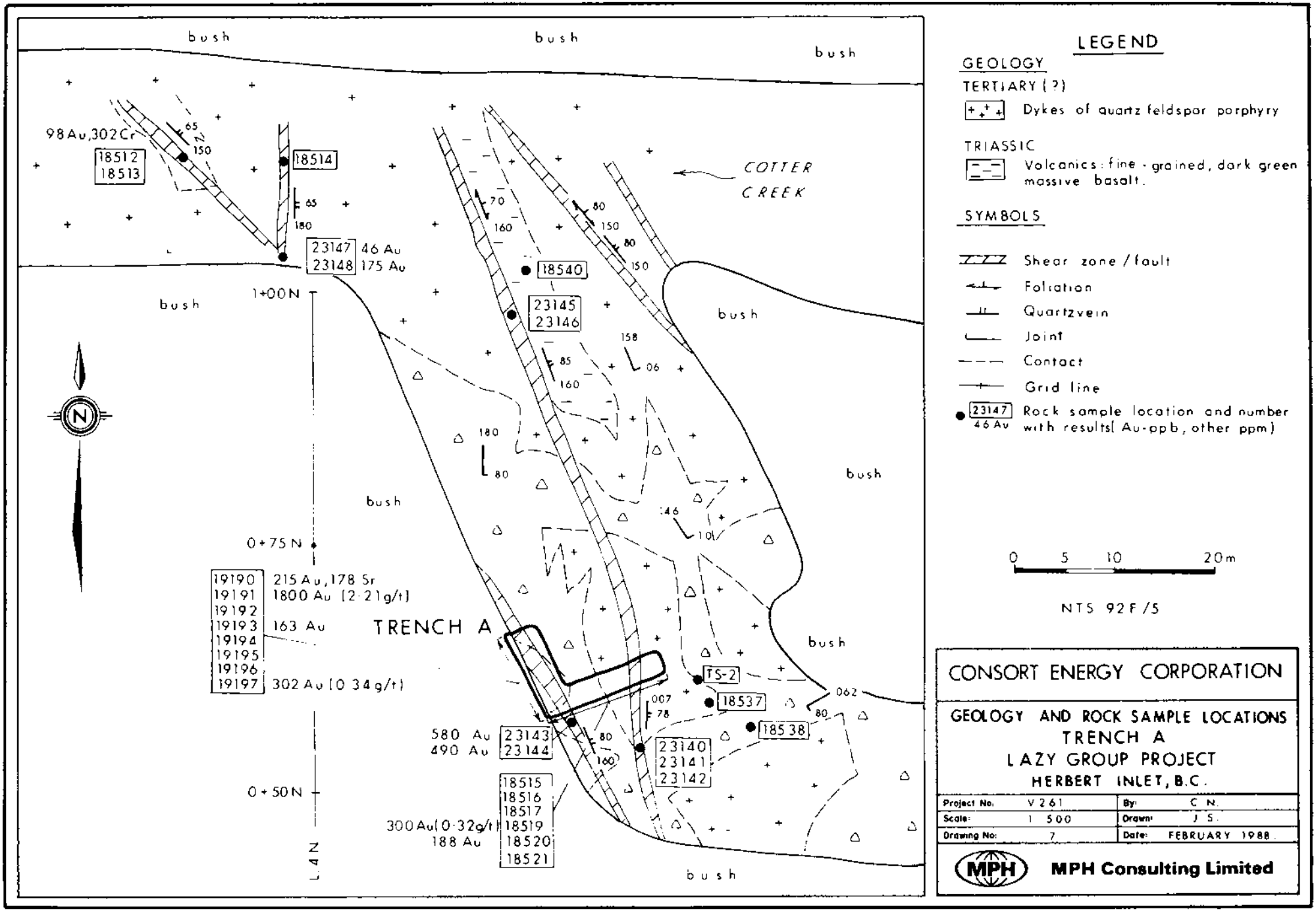
18512	98 ppb Au, 302 ppm Cr	
18519	300 ppb Au (check assay:	0.32 g/t)
18520	188 ppb Au	
19190	215 ppb Au, 178 ppm Sr	
19191	1800 ppb Au (check assay:	2.21 g/t)
19193	163 ppb Au	
19197	302 ppb Au (check assay:	0.34 g/t)
23143	580 ppb Au	
23144	490 ppb Au	
23147	46 ppb Au	
23148	175 ppb Au	

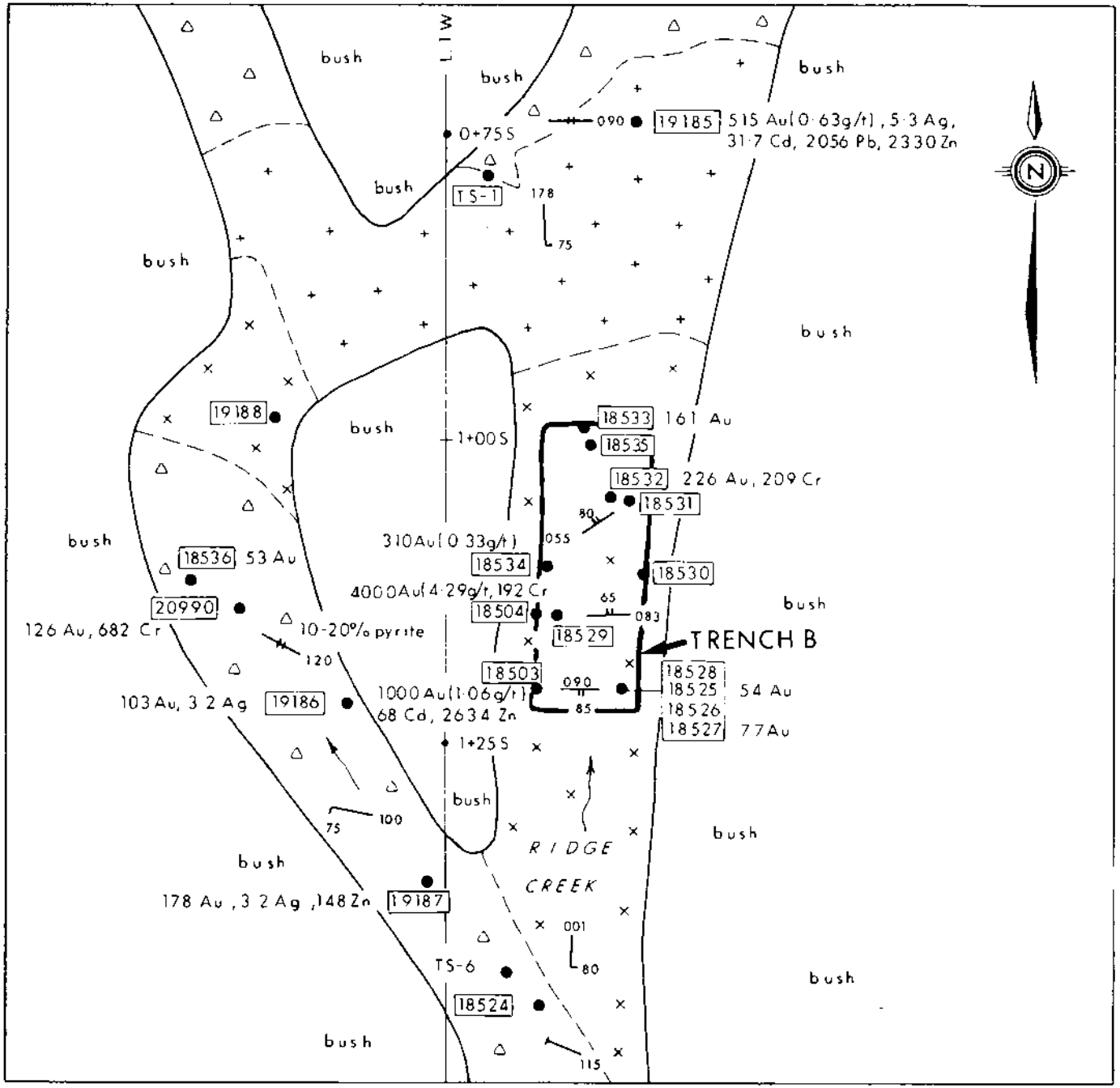
The highest Au values came from quartz-carbonate veins (1800 ppb Au, sample 19191). However, intensely quartz-carbonate altered wall rocks also returned anomalous values (490 ppb Au, sample 23144).

In Trench B, quartz-carbonate veins are hosted in moderately carbonatized and pyritic feldspar porphyry dykes with lesser mafic volcanics and quartz-feldspar porphyry dykes. Of the 22 samples taken from in and around this area, 13 returned anomalous Au values. Results are listed below.

TRENCH B

18503	215 ppb Au (check assay: 1.06 g/t), 68.2 ppm Cd, 153 ppm Pb, 2634 ppm Zn, 105 Cu
18504	4000 ppb Au (check assay: 4.29 g/t), 192 ppm Cr
18525	54 ppb Au
18527	77 ppb Au
18529	136 ppb Au, 277 ppm Cu
18532	226 ppb Au, 209 ppm Cr
18533	161 ppb Au
18534	310 ppb Au (check assay: 0.33 g/t)
18536	53 ppb Au
19185	515 ppb Au (check assay: 0.63 g/t), 5.3 ppm Ag, 31.7 ppm Cd, 2056 ppm Pb, 2330 ppm Zn, 136 Cu
19186	103 ppb Au, 3.2 ppm Ag, 123 ppm Pg, 162 ppm Zn
19187	178 ppb Au, 3.2 ppm Ag, 148 ppm Zn
20990	126 ppb Au, 682 ppm Cr


bush
bush
bush
98Au,302Cr
18512
18513
18514
65
150
65
180
23147 46 Au
23148 175 Au
COTTER CREEK
70
160
80
150
80
150
18540
23145
23146
158
06
85
160
1+00N
bush
bush
bush
180
80
bush
46
10
0+75N
19190 215 Au,178 Sr
19191 1800 Au (2·21g/t)
19192
19193 163 Au
19194
19195
19196
19197 302 Au (0·34g/t)
TRENCH A
TS-2
18537
18538
062
007
78
80
580 Au 23143
490 Au 23144
80
160
23140
23141
23142
0+50N
18515
18516
18517
300 Au (0·32g/t) 18519
188 Au 18520
18521
L 4 N
bush
bush
N
LEGEND
GEOLOGY
TERTIARY (?)
Dykes of quartz feldspar porphyry
TRIASSIC
Volcanics: fine - grained, dark green massive basalt.
SYMBOLS
Shear zone / fault
Foliation
Quartz vein
Joint
Contact
Grid line
23147 46 Au Rock sample location and number with results (Au-ppb, other ppm)
0 5 10 20m
NTS 92F/5
CONSORT ENERGY CORPORATION
GEOLOGY AND ROCK SAMPLE LOCATIONS
TRENCH A
LAZY GROUP PROJECT
HERBERT INLET, B.C.
Project No: V261
By: C.N.
Scale: 1:500
Drawn: J.S.
Drawing No: 7
Date: FEBRUARY 1988.
MPH
MPH Consulting Limited



LEGEND

GEOLOGY

TERTIARY (?)

Dykes of quartz feldspar porphyry

Dykes of feldspar porphyry

TRIASSIC

Volcanics, fine-grained, dark green massive basalt.

SYMBOLS

Quartz vein

Joint

Contact

Grid line

18533 / 161 Au — Rock sample location and number with results (Au - ppb, other - ppm)

0 5 10 20m

NTS 92F/5

CONSORT ENERGY CORPORATION

GEOLOGY AND ROCK SAMPLE LOCATIONS
TRENCH B
LAZY GROUP PROJECT
HERBERT INLET, B.C.

Project No:	V261	By:	C N
Scale:	1 500	Drawn:	J S
Drawing No:	8	Date:	FEBRUARY 1988

MPH Consulting Limited

The highest Au values came from quartz-carbonate veins (4000 ppb Au, sample 18504). No anomalous Au values were reported from the wall rock samples.

The east-west trending quartz-carbonate veins in Trench B contain small fragments of wall rocks and numerous small vugs which are filled with euhedral quartz crystals. Anomalous Au and locally anomalous Ag-Pb-Zn mineralization occurs in the quartz-carbonate veins. Similar veins and mineralization are found 200 m east in Canyon Creek where rock samples taken during the Phase I program returned values of up to 2000 ppb Au (Neale, 1987).

Other rocks samples with anomalous Au geochemistry found in the Lazy Group property are listed below.

18507	133 ppb Au
18509	160 ppb Au
18511	123 ppb Au
19200	65 ppb Au, 420 ppm Cr
H-203	57 ppb Au, 175 ppm Cu
H-207	64 ppb Au, 465 ppm Ba
H-209	66 ppb Au
H-211	63 ppb Au
H-214	94 ppb Au
H-215	44 ppb Au
H-216	102 ppb Au
H-508	250 ppb Au

Sample 18511 is from the gold zone outlined during the Phase I program in Canyon Creek, 300 m south of Cotter Creek. Samples 18509 and H-508 are located north of the Canyon Creek lineament between Canyon Ridge Creeks. They are both quartz-carbonate veins containing small fragments of wall rock and small vugs which are filled with euhedral quartz crystals.

Samples H207, 214 and 216 are from east-west trending quartz-carbonate veins located near both Canyon and Ridge Creeks.

Samples H-203, 209 and 211 are altered basalts from the hanging walls of north-south trending quartz-carbonate veins located near both Canyon and Ridge Creeks.

Sample 19200 is of a quartz vein located on Cotter Creek.

Sample 18507 represents a third type of gold mineralization. At the 380 m elevation of Canyon Creek, a 3 m wide quartz-ankerite vein is hosted in strongly foliated mafic volcanics from the middle of a 15 m wide shear zone. Sample 18507 is a chip over 3 m from the quartz-ankerite vein.

From the north side of Cotter Creek, 4 samples were taken 50 to 200 m north of the Lazy Group property in Silver Creek. All 4 samples returned anomalous Ag and Pb values and are listed below.

23110	48.8 ppm Ag,	6 ppb Au, 2752 ppm Pb, 90 ppm Sb, 473 ppm Zn
23111	44.1 ppm Ag,	7 ppb Au, 1752 ppm Pb, 114 ppm Sb, 536 ppm Zn
23112	8.4 ppm Ag,	9 ppb Au, 292 ppm Pb
23113	11.0 ppm Ag,	4 ppb Au, 327 ppm Pb

All samples are of intensely quartz-carbonate-epidote altered mafic volcanics. The alteration zone from which sample 23110 (which is only 50 m to the north of the Lazy Group property) strikes southwest, which suggests a good possibility of locating similar mineralization within the boundaries of the Lazy Group.

5.3 Whole Rock Analyses

Seven rocks from the Lazy Group property were selected for whole rock analysis, yielding percentages for 12 major element oxides as well as L.O.I. (loss on ignition), representing the volatile content (H_2O, CO_2S). Their chemical composition analyses can be found in Appendix III.

Two samples of diorite (samples 18539 and 18541), one of a mafic dyke (sample 18540), one of a mafic volcanic (18537), two of intermediate dykes (samples 18524 and 18538) and one of an altered intermediate dyke (sample 18515) were selected. Analyses and interpretation are presented in Appendix IV.

5.4 Petrographic Studies

Six rock samples from the area of the Lazy Group property were selected for petrographic interpretation. Thin sections were made by Vancouver Petrographics of samples TS-1, TS-2, TS-3, TS-4, TS-5, TS-6, and TS-7. Analyses and interpretation are presented in Appendix V.

5.5 Silt Sampling

Three silt samples were collected from creeks on the Lazy Group property. The locations are shown in Figures 5 and 6. Samples were analyzed for Au and by 31-element ICP at Min-En Laboratories.

None of the 3 silt samples returned anomalous values of Au. Neale (1987) reported that silt samples taken at the base of Canyon Creek and Ridge Creek did not return anomalous Au values even though gold values of up to 2000 ppb Au were found in rock samples less than 200 m upstream.

5.6 Soil Sampling

A total of 338 soil samples was collected from a 7.8 line-km grid during the Phase II program. Samples were collected from the B horizon (average depth of 20 cm) at 25 m intervals on lines 50 m to 100 m apart. The baseline was established on the south side of Cotter Creek using an old road. To the north, lines range from 50 m to 510 m long with 5 lines extending to the north side of Cotter Creek. To the south, lines range from 175 m to 350 m long and terminate due to cliffy terrain. A 600 m tieline was established 200 m south of, and parallel to, the baseline, between L3+00W and L3+00E. Samples were analyzed for Au and by 31-element ICP at Min-En Laboratories. Complete analytical results are included in Appendix III.

Contoured plots of geochemical values for Au, Ca (Figure 9); Pb, Cu (Figure 10) and As, Ag (Figure 11) have been made. Ca and Au are paired because both have been found to be associated with shear zone and/or faults. Pb, Cu, As and Ag have been plotted because of their anomalous association with gold mineralization in rock samples.

Anomalous soil sample results for Au, Ag, As, Pb, Cu, and Ca were determined by statistical methods. For each element, the mean

and standard deviation were calculated using all of the samples. Any result over mean plus 2 standard deviations was considered obviously anomalous and that result was deleted from the list. The mean and standard deviation were then recalculated using the remaining samples. Values over mean plus 1 standard deviation are considered above background, while those over mean plus 2 standard deviations are considered anomalous.

	Au (ppb)	Ag (ppm)	As (ppm)	Pb (ppm)	Cu (ppm)	Ca (ppm)
Above background	25	1.6	11	23	88	5518
Anomalous	39	2.0	15	29	129	7573
Range	1-860	0.1-5.3	1-25	3-92	6-420	560-14900

Gold

Contour intervals in Figure 9 for Au use above background and anomalous values (25 and 39 ppb). Anomalous Au locations have been labelled A through G.

Anomalies A (L6W, 0+62N), B (L3W, 0+75S), and C (L4W, 0+50N and, L3W, 0+00) form an anomalous zone which is parallel to the Canyon Creek lineament/shear zone. Anomaly C overlies the Trench A gold mineralization zone at Ridge Creek. The highest Au soil geochemical value in anomaly C is 450 ppb Au. The gold mineralization zone found in rock samples in Canyon Creek is on strike with this anomalous Au soil geochemical zone. A correlation between this zone and the Canyon Creek lineament/ shear zone may exist.

Anomaly D (L5E and L5+40E, 1+25S) outlines along strike the possible extension toward the south of the gold zone found in Cotter Creek (Trench A). It is a single anomalous sample with 645 ppb Au.

Anomaly E (L3E, 1+50N northeast to L6E, 2+00N) outlines a significant anomaly which is downslope of the Mine spur lineament. This anomaly strikes parallel to the Mine spur lineament and covers an area over 300 m long. The highest gold soil geochemical value is 860 ppb Au.

Anomaly F represents an anomalous zone with the highest gold soil geochemical value of 43 ppb Au.

Calcium

Several strong aerial photo lineaments appear on the Lazy Group property. Field observations show that many of these lineaments are associated with shear zones and/or faults which are moderately to intensely carbonatized. Anomalous Au values have been returned from quartz-carbonate veins located in or near shear zones and faults with moderately to strongly carbonatized wall rocks. The carbonate is calcitic in places, although may also contain ferroan dolomite or ankerite components. Calcium has therefore been plotted in an attempt to outline carbonatized rocks which are favourable host rocks for gold mineralization.

Contour intervals in Figure 9 for Ca use above background and anomalous values (5518 and 7573 ppm). Anomalous Ca locations have been labelled G through N.

Anomaly G (L3W, 2+00S northwest to L6W, 0+50N) may represent carbonatized rocks found in the Canyon Creek shear zone. A portion of this anomaly extends over the Trench B gold zone (L3W, 2+00S northeast to L1W, 1+00S).

Anomaly H (L2W, 0+00 to L0, 0+50N) is located below Trench B on Ridge Creek. This anomalous zone connects with anomaly G at Trench B.

Anomaly I1 (L5E and L6E, 1+00N southeast to L5+40E, 0+25S) and I2 (L5E to L6E, 1+25S) are along strike to the south of the Cotter Creek gold mineralization zone at Trench A.

Anomaly J (L3E, 1+50N northeast to L6E, 2+00N) may represent carbonatized rocks from the Mine spur lineament.

Anomaly K1 (L3E, 1+50N to L5E, 4+00N and 3+00N), K2 (L1W, 0+75N to L0, 1+25N), K3 (L1E, 0+25S to L4E, 0+00) and K4 (L3E, 0+75S) overlie no known shear zone or fault.

Lead

Contour intervals in Figure 10 for Pb use above background and anomalous values (23 and 29 ppb). Anomalous Pb locations have been labelled L through N.

Anomaly L (L5W, 1+25S, 1+75S to 2+00S and 3+00S) is a collection of locally anomalous soil geochemical samples with a high of 92 ppb Pb. They are underlain by diorite to gabbro(?).

Anomaly M (L2W, 1+00S to L1E, 0+00) is located, in part, over Trench B. Rock samples from Trench B returned several anomalous Pb values. Anomaly M, which has a length of 300 m, may outline the extension of the Trench B gold zone.

Anomaly N (L4E from 1+50N to 3+50N east to L5E, 3+00N and L6E, 1+25N) is not thought to represent the continuation along strike of the Trench A gold zone as rock samples from this area did not yield anomalous Pb values. However, it may correlate with the Mine spur lineament where anomalous soil geochemistry samples of Au, Ag, Cu and Ca have been located.

Several other small zones anomalous in Pb occur throughout the grid.

Zinc, although not plotted, has similar anomalous locations as Pb.

Copper

Contour intervals in Figure 10 for Cu use above background and anomalous values (88 and 129 ppb). Anomalous Cu locations have been labelled O through Q.

Anomaly O (L6W, 0+25S to L5+50W, 0+25S, L6W, 0+50N, 0+75S and 1+25S, L5W, 0+75S and L4W, 0+00 and 0+25S) are all in the proximity of the Canyon Creek lineament. The highest soil geochemical value is 165 ppm Cu.

Anomaly P1 (L2W, 0+00 and 0+25S to L1W, 0+00) is 100 m downslope of the gold mineralization zone found in Trench B. The highest

copper soil geochemical value is 193 ppm Cu. Anomaly P2 is a single high of 128 ppm Cu directly west of Trench B on L2W, at 1+00S.

Anomaly Q is a zone encompassing most of the grid on the north side of Cotter Creek. The southern section of this zone may represent Cu mineralization in the Mine spur lineament. The highest soil geochemical value from the southern section of this anomaly is 216 Cu. Neale (1987) found several float samples located in the northern section of the Cotter Creek grid which returned up to 12,514 ppm Cu. The high Cu values from the northern section of this zone may be reflecting strongly anomalous float or bedrock.

Arsenic

Arsenic is plotted because of the close association it has with gold mineralization. Arsenic has a correlation of +0.37 with gold using all 141 rock samples. Deriving correlation coefficients is described by Devore (1982).

Contour intervals in Figure 11 for As use above background and anomalous values. Anomalous As locations have been labelled R through U.

Anomaly R1 (L4W, 1+00S to 1+75S southwest to L6W, 1+25S to 0+25N) and R2 (L5W, 0+00 to 0+50N eastward to L2W, 0+75N) overlie the Canyon Creek lineament and extend outward both to the west (R1) and to the east (R2). The highest As soil geochemical value is 25 ppm for R1 and 24 ppm for R2.

Anomaly S extends over the Trench A gold zone and continues along strike for 200 m. The highest soil geochemistry value is 23 ppm As.

Anomaly T (L5E, 2+00N and L6E, 3+00N to L5E, 1+50N and L6E, 1+00N) is located over the Mine spur lineament and extends downslope to Cotter Creek. The highest soil geochemical value is 23 ppm As.

Anomaly U is located in the northeastern end of the grid. The highest soil geochemical value is 22 ppm As.

Several other small zones anomalous in As occur throughout the grid.

Silver

Contour intervals in Figure 11 for Ag use above background and anomalous values (1.6 and 2.0 ppm). Anomalous Ag locations have been labelled V through Z.

Anomaly V (L5+50W, 0+62N to 0+00 and 0+50S to 1+25S) represents several anomalous areas in the western area of the grid. The northern area overlies the Canyon Creek lineament while the southern anomalous area is located 100 m upslope of the creek. The highest soil geochemical value from both zones is 4.2 ppm Ag.

Anomaly W1 (L1E, 0+75N to L3+50E, 0+50N) represents a significant anomalous zone extending from the western edge of the Mine spur lineament to 200 m along strike to the southwest. The highest

soil geochemical value is 5.3 ppm Ag. Anomaly W2 (L3E, 0+00 to 0+50S to L4+40E, 0+00 and 0+50S) is located 50 m south of W1. The highest soil geochemical value is 3.4 ppm Ag.

Anomaly X (centered at L2E, 2+00S) is a small zone with a high geochemical value of 2.2 ppm Ag.

Anomaly Y (L3E, 1+50N to L6E, 1+50N) overlies, in part, the possible extension to the north of the Trench A gold zone. The highest soil geochemical value is 3.3 ppm Ag. This anomalous zone also strikes southwest from the Mine spur lineament towards anomaly W1 (13+50E, 2+00N to L3E, 1+50N).

Anomaly Z (L3+50E, 30+00N to L6E from 3+50N to 4+00N) has a high geochemical value of 2.9 ppm Ag. Rock samples taken from Silver Creek, less than 200 m to the northwest of this anomaly returned values of up to 48.8 ppm Ag.

Several other small zones anomalous in silver are located throughout the grid area.

The soil survey outlined several anomalous zones of Au, Ag, As, Pb, Cu, and Ca. These zones may reflect extensions of the anomalous Au found in rock samples and in some cases may reflect independent zones not yet detected by geological mapping or rock sampling.

5.7 Magnetometer Survey

The magnetic survey was conducted with a Geometric C-816 proton precession magnetometer. Diurnal variations in the geomagnetic

field were monitored and subsequently removed from the data by periodically re-occupying a base station established at the intersection of the base line and crosslines. Magnetic readings were taken at 25 m intervals along north-south lines spaced at 1200 m over 4.4 line-km.

The magnetic values ranged from 55,358 nT to 55,948 nT and with a base corrected to 55,000 nT (Figure 13).

Over 600 nT of magnetic relief was measured on the Lazy property, yet, due to the layout of the survey and limited number of readings, no significant trends are interpreted. There does not seem to be any magnetic evidence to support structure or lithology discrimination.

Inspection of the government aeromagnetic map (G.S.C. Map 7689G) strongly indicates a lineament/fault type feature trending northwest to southeast onto the Lazy Group, and corresponding to the Canyon Creek lineament.

5.8 VLF-EM Survey

The VLF-EM survey was conducted with a Saber Model 27 receiver. The VLF-EM method measures distortion of the primary field emanating from a network of military radio transmitters. The receiver was turned to the transmitting station located at Seattle, Washington (azimuth 134° from the property). The direction to the Seattle transmitter provided adequate coupling with the stratigraphic/structural trends observed in the area. The survey was carried out taking readings (dip angle and field strength) every 25 m on line spacing of 100 m over 4.4 line-km.

The VLF-EM results are displayed in Figure 13 in stacked profile format portraying in-phase and quadrature measurements. The interpreted conductive features, rated in terms of anomaly strengths and character, are presented in Figure 14.

The VLF-EM survey outlined two bedrock conductors labeled C-1 and C-2 in Figure 14.

Conductor C-1 is located on L5+00W through L3+00W near 1+00S to 1+75S and trends northwest to southeast. C-1 is interpreted to reflect a moderate to weak bedrock conductor and may reflect the Canyon Creek lineament. The Canyon Creek lineament can be observed in air photos and on an aeromagnetic map (G.S.C. Map 7689G).

Conductor C-2 is located on L3+00W to L4+00N near baseline trending east to west. C-2 is interpreted to be a weak bedrock conductor possibly reflecting a cultural response near the road.

Discussion

The total field magnetic survey shows little information discerning lithology or structure. This is likely due to the limited scope of the survey and limited magnetic relief shown in the aeromagnetic data.

The aeromagnetic data shows a magnetic lineament trending northwest to southeast onto the Lazy Group claims. This lineament has been termed the Canyon Creek lineament.

The VLF-EM survey may support the existence of the Canyon Creek lineament, which may be reflected by conductor C-1. The orientation of the grid covers the Canyon Creek lineament obscurely on only three lines. Future VLF-EM surveys may be used to map this feature should it become of interest.

5.9 Correlation of Geology, Geochemistry and Geophysics

A compilation of geology, geochemical anomalies and geophysical features in the Cotter Creek grid area is shown in Figure 14.

The VLF-EM conductors correlate with anomalous Au found in both soil and rock samples. The Canyon Creek lineament, which trends parallel to these anomalies, may also be related.

Geophysical surveys were not conducted over the grid that extends to the north of Cotter Creek. It is in this area where anomalous Au in soil and rock samples were found in the area of the Mine Spur lineament.

Geophysical anomalies did not outline the possible extension of the Trench A gold zone. The Trench A rock samples returned anomalous Au but no anomalous base metals or visible magnetic minerals. This absence of conductive minerals would prevent the outlining of possible extensions by both a magnetometer and VLF-EM survey. The soil survey did, however, outline the possible extensions of this zone.

6.0 PROPOSED WORK PROGRAM

Phase II exploration of the Lazy Group has outlined several areas of interest. Phase III work will explore these areas in more detail, with the aim of providing targets for diamond drilling.

6.1 Plan

Phase III will consist of future geological mapping and rock sampling, IP surveys over selected portions of established grids, and diamond drilling of areas of interest. A second grid will be established over the Mine Creek lineament on the south side of Cotter Creek where soil, magnetometer and VLF-EM surveys will be carried out.

Geological mapping and rock sampling will be used to locate mineralized areas. IP surveys will be used to outline areas of disseminated mineralization and to provide targets for diamond drilling. Grid B soil, magnetometer and VLF-EM surveys will be used to locate mineralization associated with the Mine Creek lineament and the Canyon Creek shear zone. Diamond drilling will explore mineralized areas and determine the extent of the mineralized units.

6.2 Budget

Phase III

Mobilization/Demobilization	$ 6,000
Personnel	47,225
Support Costs	10,285
Transportation, Communication, Supplies	10,250
Equipment Rental	16,750
Drilling and Site Preparation	120,000
Analyses	9,373
Report Preparation	22,159
Administration, 15%	22,486
Contingency, 15%	35,455
Total cost, say	**$300,000**

6.3 Schedule

Phase III work is estimated to require a total of 12 weeks for completion of field work and a further 6 weeks for compilation of results and report writing.

7.0 CONCLUSIONS

1. The Lazy K 1 to 5, Beach and Creek claims are mainly underlain by Paleozoic mafic to intermediate volcanics with lesser cherty sediments, limestone and basalt in the southwestern corner of the property. These rocks are intruded by Jurassic Island Intrusions(?) granodiorite in the western area and by diorite, locally quartz diorite, in the northeastern area. Tertiary(?) feldspar and quartz-feldspar porphyry dykes are found throughout the northern area.

2. Several strong aerial photo lineaments are located on the Lazy Group property. The Canyon Creek lineament is along strike of the Big Boy mine located on the western edge of Herbert Inlet, about 3 km to the northwest. The Big Boy mine has produced 54.4 tonnes of ore grading 93.1 g/t Au and 54.3 g/t Ag. The Mine Creek lineament is along strike of the Abco mine located 200 to 500 m north of the Lazy Group property. The Abco mine has produced 72.6 tonnes of ore grading 99.4 g/t Au and 44.1 g/t Ag.

3. Trenching in Ridge Creek uncovered a 20 m wide zone of quartz veins cutting altered mafic to intermediate volcanics and intermediate dykes. The east-west trending veins range from 0.1 to 20 cm wide and occur throughout this area. The wall rock is moderately quartz-carbonate altered. Rock samples of quartz-carbonate veins returned up to 4000 ppb Au (check assay: 4.29 g/t, sample 18504) along with up to 2055 ppm Pb (sample 19185) and 2634 ppm Zn (sample 18503).

4. A previously unknown Au zone was discovered on the Lazy Group. It has been explored for 50 m along Cotter Creek and contains values up to 1800 ppb Au (check assay: 2.21 g/t). The 25 m wide zone consists of quartz-carbonate veins hosted in intensely quartz-carbonate-pyrite altered intermediate dykes and minor mafic to intermediate volcanics. The quartz-carbonate veins range from less than 1 cm to 20 cm wide. The altered wall rocks range from 0.5 to 1 m wide on both the hanging wall and footwall sides. Anomalous Au values have been returned from the wall rocks of up to 490 ppb Au.

5. A 3 m wide quartz-ankerite zone was located in intensely foliated mafic volcanics at the 380 m elevation in Canyon Creek. A grab sample of this zone returned 133 ppb Au (sample 18507).

6. Differences exist between quartz-carbonate veins found in Trench A and in Trench B. Trench A contains north-south trending quartz-carbonate veins with intensely altered quartz-carbonate wall rocks which are associated with shearing. Gold mineralization is found in both the quartz-carbonate veins and in the altered wall rocks. Trench B contains east-west trending quartz-carbonate veins with moderately quartz-carbonate altered wall rocks. The veins contain small fragments of host rock as well as small vugs filled with euhedral quartz crystals. Gold values and local lead-zinc mineralization are found in the quartz-carbonate veins while the altered wall rocks contain little or no gold mineralization.

7. Possible extensions of the Trench A, B, and Canyon Creek gold zones are outlined by anomalous Au, Ag, As, and Pb in soil geochemical samples.

8. Soil geochemical samples from a 300 m long zone overlying the Mine spur lineament yield anomalous Au, Ag, As, Pb, Cu, and Ca values.

9. Anomalous Ca soil geochemical samples outline several possible areas of carbonatized rocks within shear zones which may host gold mineralization.

10. The magnetic relief is such to require a magnetometer measuring to $\pm$ 0.1 nT with a station separation of 12.5 m to define subtle magnetic responses over the area. This detailed information may help to define lithological/ structural features.

11. The VLF-EM survey was adequate in defining the Canyon Creek lineament. The VLF-EM survey coverage should be increased to further outline the Canyon Creek lineament and possibly define any features associated with anomalous gold geochemistry mapped to the east.

12. Further exploration of the Lazy Group, including Phase III geological mapping and geochemical and geophysical (magnetometer, VLF-EM and I.P.) surveys followed by diamond drilling, is warranted. The Phase III exploration program is recommended at an estimated cost of $300,000.

8.0 RECOMMENDATIONS

Further exploration is warranted on the Lazy Group property, with the following recommendations for a Phase III program:

1. The establishment of a base camp near the shore line and a fly camp in the upper elevations is recommended for easier access to areas of interest.

2. Additional grid lines to the north and east of the Cotter Creek grid and an accompanying soil survey are recommended.

3. It is recommended that an I.P. survey be carried out over selected areas of the Cotter Creek grid where known surface gold mineralization occurs. If this survey proves successful, then further I.P. is warranted over the entire grid area.

4. It is recommended that soil sampling, magnetometer and VLF-EM surveys be carried out on a second grid to be established over the upper elevations which would encompass the Mine Creek lineament.

5. It is recommended that anomalous Au rock samples from the upper elevations of Canyon Creek be followed up with rock sampling and geological mapping.

6. Diamond drilling of favourable targets is recommended to further define the gold mineralization zones.

7. It is recommended that Phase III exploration of the Lazy Group be carried out at an estimated cost of $300,000.

Respectfully submitted,
MPH Consulting Limited

February 29, 1988

C. Naas, B.Sc

CERTIFICATE

I, C. Naas, do hereby certify:

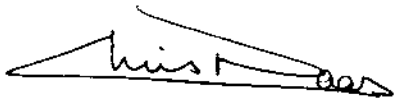
1. That I presently hold the position of Project Manager/ Geologist with MPH Consulting Limited.

2. That I am a graduate in geology of Dalhousie University (B.Sc, 1984).

3. That I have practiced geology in mineral exploration since 1981.

4. That the opinions, conclusions, and recommendations contained herein are based on field work carried out on the claims by myself and other MPH Consulting Limited personnel.

5. That I own no direct, indirect, or contingent interest in the subject property or shares or securities of Consort Energy Corporation or associated companies.



C. Naas, B.Sc.

Vancouver, B.C.
February 29, 1988

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Appendix I

LIST OF PERSONNEL

and

STATEMENT OF EXPENDITURES

LIST OF PERSONNEL AND STATEMENT OF EXPENDITURES

The following expenses have been incurred on the Lazy Group of claims as defined in this report for the purposes of mineral exploration. The statements cover the periods from November 30, 1987 to February 29, 1988.

Personnel					
G. Hawkins, P.Geol.	5	days @	$500	$ 2,500.00	
C. Naas, B.Sc.	50.5	days @	375	18,937.50	
V. Ryback-Hardy, P.Eng.	7	days @	350	2,450.00	
J. Getsinger, Ph.D.	5.5	days @	350	1,925.00	
T. Hayes, Field Coord.	13.75	days @	350	4,812.50	
K. Lund, B.Sc.	2.5	days @	350	875.00	
J. Lang, Field Tech.	7.5	days @	250	1,875.00	
T. Neale, B.Sc.	0.75	hr @	50	37.50	
G. Lorenzetti, B.Sc.	1	hr @	35	35.00	
B. Davidson, Field Asst	10	days @	150	1,500.00	
J. Zackodnik, Field Asst	28.5	days @	150	4,275.00	
C. Zackodnik, Field Asst	6	days @	150	900.00	
S. Clarke, Field Asst.	2	days @	150	300.00	
G. Charlie, Field Asst.	1	day @	150	150.00	
K. Clarke, Field Asst.	15	days @	150	2,250.00	
S. Blacquiere, Office Assistant	1.75	days @	150	262.00	
		Subtotal			$43,085.00
Food and Accommodation	131	days @	50		6,550.00
Equipment Rental					
Trucks	27.5	days @	90	2,475.00	
Magnetometer	2	days @	30	60.00	
VLF-EM	2	days @	30	60.00	
Boat	38	days @	100	3,800.00	
Chainsaws (2)	10	days @	30	300.00	
Plugger	10	days @	30	300.00	
Radios (3)	8	days @	30	240.00	
		Subtotal			7,235.00

List of Personnel and
Statement of Expenditures
Page Two continued

Disbursements

Helicopter			$ 267.30	
Transportation			1,389.16	
Miscellaneous Equipment and Supplies			3,333.81	
Analyses				
7 rocks (whole rock)		@ $ 25	175.00	
7 rocks (Au assay)		@ 8	56.00	
141 rocks (Au, ICP)		@ 16.75	2,361.75	
338 soils (Au, ICP)		@ 11.90	4,022.20	
3 silts (Au, ICP)		@ 11.90	35.70	
Drafting			1,144.00	
		Subtotal	12,784.92	
		Administration Fees	1,917.94	
		Total		$14,702.86
Thin Sections	6	@ 100		600.00
Report Typing, Reproduction	6 copies	@ 316.49		1,898.94
		Grand Total		**$74,071.80**

Appendix II

ROCK SAMPLE DESCRIPTIONS

and

LITHOGEOCHEMICAL RESULTS

Sample No.	Description	Au ppb	Ag ppm	Cu ppm	Pb ppm	Other ppm
18501	Location: Lazy K4 claim, L3E, 2+50S Rock Type: Andesite Sample Type: Grab from outcrop Fine-grained, greenish-grey andesite. Sample is from fault(?) striking 132° with a 70°NE dip. Sample contains 5-10% quartz stringers which are <1 mm wide and 5-10% altered diorite. Contains 1% fine-grained disseminated pyrite.	3	2.3	56	32	21 As
18502	Location: Lazy K4 claim, Ridge Creek Rock Type: Basalt Sample Type: Grab from outcrop Fine-grained, grey basalt with 30% of sample intruded by 1 mm wide quartz stringers. Quartz stringers strike 132° and dip 78°NE. Host rock contains 1-2% fine-grained disseminated pyrite. Quartz stringers weather rusty brown.	2	3.2	123	30	20 As
18503	Location: Lazy K4 claim, Trench B Rock Type: Quartz vein Sample Type: Grab from outcrop A 3 cm wide quartz vein hosted in greenish-grey, fine to medium-grained carbonatized feldspar porphyry dyke. Host rock fragments ranging from 1-3 mm are contained within the quartz vein. Quartz vein strikes 082° with a vertical dip. Trace to 1% fine-grained pyrite and sphalerite in quartz vein and 3% fine-grained disseminated pyrite in host rock. Host rock weathers rusty brown. Sample is 70% quartz vein and 30% host rock.	1000 1.06 g/t	1.5	105	153	2634 Zn 68.2 Cd
18504	Location: Lazy K4 claim, Trench B Rock Type: Quartz vein Sample Type: Grab from outcrop A 5 cm wide quartz vein hosted in greenish-grey, fine to medium-grained carbonatized feldspar porphyry dyke. Host rock fragments up to 1 cm are found within quartz vein. Quartz vein strikes 090° and dips 65°N. Quartz vein contains 5% fine-grained pyrite. Sample contains 80% quartz vein and 20% host rock.	4000 4.29 g/t	2.1	82	56	192 Cr

Sample No.	Description	Au ppb	Ag ppm	Cu ppm	Pb ppm	Other ppm
18505	Location: Lazy K2 claim, Canyon Creek Rock Type: Quartz vein Sample Type: Grab from outcrop A 1 cm wide quartz vein hosted in siliceous and carbonatized green fine-grained basalt. Quartz vein strikes 114° and dips 75°N. Contains 2-3% fine-grained pyrite and 1% magnetite in host rock. Sample is 50% quartz vein and 50% host rock.	15	2.8	13	25	201 Sr
18506	Location: Lazy K2 claim, Canyon Creek Rock Type: Altered basalt Sample Type: Grab from outcrop Green, fine-grained carbonatized basalt with 0.5 - 2 cm wide quartz-carbonate-epidote stringers. Orientation of stringers varies from east-west to north-south. Trace of fine-grained disseminated pyrite in basalt.	6	2.4	38	20	
18507	Location: Lazy K2 claim, Canyon Creek Rock Type: Quartz-ankerite vein Sample Type: Chip from outcrop Sample is taken across a 3 m wide strongly gossanous quartz-ankerite vein. Vein is hosted in strongly foliated and carbonatized, greenish-grey, fine-grained basalt. Foliated basaltic layers of up to 1 mm occur throughout vein. Quartz vein and foliation strike 116° and dip 70°E. Vein was traced for 5 m before disappearing under large boulders. Contains 1% fine-grained disseminated pyrite in basalt, quartz-ankerite vein weathers rusty brown.	133	1.5	46	20	
18508	Location: Lazy K2 claim, Canyon Creek Rock Type: Altered basalt Sample Type: Grab from outcrop Green, fine-grained carbonatized basalt. Sample is from a fault(?) striking 066° and dipping 50°NW. Trace to 1% fine-grained disseminated pyrite.	4	2.0	15	28	

Sample No.	Description	Au ppb	Ag ppm	Cu ppm	Pb ppm	Other ppm
18509	Location: Lazy K4 claim, near slash line and Canyon Creek Rock Type: Quartz vein Sample Type: Grab from outcrop A 2 cm wide quartz vein hosted in a greenish-grey, fine-grained basalt. Quartz vein strikes 066° and dips 78°NW. No sulphide mineralization visible but surface weathers rusty brown. Sample is 90% quartz vein and 10% host rock.	160	2.1	30	34	20 As
18510	Location: Lazy K4 claim, L1E, 2+25S Rock Type: Quartz vein Sample Type: Grab from outcrop An 8 cm wide brecciated quartz vein hosted in green, fine-grained basalt. Quartz vein strikes 078° and dips 77°NW and can be traced for 5 m. No sulphide mineralization visible, but surface weathers rusty brown. Sample is 70% quartz vein and 30% host rock.	5	0.6	33	18	249 Cr
18511	Location: Lazy K4 claim, Canyon Creek Rock Type: Quartz vein Sample Type: Grab from outcrop A 5 cm wide brecciated quartz vein hosted in green feldspar porphyry basalt. Basalt fragments within quartz vein range from 0.3 to 3 cm. Quartz vein strikes 107° and dips 70°N and can be traced for 15 m to sample 18313 from Phase I exploration program. No mineralization seen, but surface weathers rusty brown. Sample is 40% quartz vein and 30% host rock.	123	0.7	43	33	
18512	Location: Lazy K4 claim, Cotter Creek Rock Type: Quartz vein Sample Type: Grab from outcrop A 5 cm wide quartz vein hosted in strongly siliceous and carbonatized fine-grained basalt and diorite. Quartz-carbonate alteration exists for 0.5 m from quartz vein on both the hanging wall and footwall sides. Surface of altered wall rock weathers a strong rusty brown colour. Quartz vein strikes 150° and dips 65°NE and is traced for 15 m to sample 23147. Sample is 95% quartz vein and 5% host rock.	98	0.7	6	5	302 Cr

Sample No.	Description	Au ppb	Ag ppm	Cu ppm	Pb ppm	Other ppm
18513	Location: Lazy K4 claim, Cotter Creek Rock Type: Altered basalt Sample Type: Grab from outcrop Strongly siliceous and carbonatized fine-grained rock. Sample is taken 20 cm from sample 18512 from both the hanging wall and footwall sides. Contains 8-10% disseminated fine-grained and cubic pyrite. Sample is 80% basalt, and 20% diorite.	24	1.0	13	12	
18514	Location: Lazy K4 claim, Cotter Creek Rock Type: Quartz stringers Sample Type: Grab from outcrop Quartz stringers ranging from <0.1 to 1 cm are hosted in a strongly siliceous and carbonatized diorite. Quartz-carbonate alteration exists up to 0.5 m from quartz vein in both the hanging wall and footwall sides. Quartz stringers strike 180° and dip 65°E and can be traced for 8 m to sample 23148. No visible sulphide mineralization in quartz stringers. Contains 8-10% fine-grained disseminated pyrite in host rock. Host rock weathers strong rusty brown.	26	0.9	10	7	
18515	Location: Lazy K4 claim, Trench A Rock Type: Altered quartz-feldspar porphyry dyke Sample Type: Grab from outcrop Strongly siliceous and carbonatized, pale green rock. Original textures are non-existent. Subrounded crystal boundaries are defined by contrasting shades of pale green. Contains 1-2% fine-grained to 1 mm euhedral disseminated pyrite. Sample used for whole rock analysis.	4	2.8	46	22	
18516	Location: Lazy K4 claim, Trench A Rock Type: Altered feldspar porphyry basalt Sample Type: Grab from outcrop Strongly siliceous and carbonatized sample. Contains 15% feldspar crystals in a pale green fine-grained quartz-carbonate-chlorite matrix. Trace to 1% of <0.5 mm wide carbonate specks. Contains 1-2% fine-grained disseminated pyrite.	24	2.4	30	40	

Sample No.	Description	Au ppb	Ag ppm	Cu ppm	Pb ppm	Other ppm
18517	Location: Lazy K4 claim, Trench A Rock Type: Basalt/quartz-feldspar porphyry dyke Sample Type: Grab from outcrop Sample is of contact between strongly siliceous-carbonatized pale green quartz-feldspar porphyry dyke and siliceous-carbonatized fine-grained greenish-grey basalt. Diorite appears to be more altered than the basalt. Stringers of up to <0.5 mm wide quartz and quartz-epidote appear at contact between two rock types. Trace pyrite in quartz-epidote stringers within diorite.	6	2.6	65	38	100 Zn
18518	Location: Lazy K4 claim, Trench A Rock Type: Quartz-feldspar porphyry dyke Sample Type: Grab from outcrop "Fresh" subrounded quartz crystals up to 4 mm in a siliceous and carbonatized matrix of quartz-feldspar and mafics ranging from 4 mm - 3 mm. Trace fine-grained disseminated pyrite.	8	0.5	36	27	
18519	Location: Lazy K4 claim, Trench A Rock Type: Altered quartz-feldspar porphyry dyke Sample Type: Grab from outcrop Strongly siliceous and carbonatized pale green rock. Original textures are non-evident. Rounded quartz clasts ranging from 2-3 mm are in a fine-grained pale green quartz-carbonate-chlorite matrix. An 8 mm wide quartz vein has a 1 mm wide band of carbonate at edges. Contains 3% fine-grained to euhedral disseminated and fracture filling pyrite in wall rock. Surface weathers rusty brown.	300 0.32 g/t	1.0	39	19	
18520	Location: Lazy K4 claim, Trench A Rock Type: Altered quartz-feldspar porphyry dyke Sample Type: Grab from outcrop Strongly siliceous and carbonatized sample. Sub-rounded "fresh" quartz clasts ranging from 2 mm to 1 cm in a pale green quartz-carbonate-chlorite matrix. Iron carbonate specks up to 1 mm are through-out sample. Original crystal boundaries are almost indiscernible. A 3 mm wide quartz stringer cuts both matrix and quartz clasts. Trace to 1% fine-grained disseminated pyrite, locally euhedral pyrite up to 1 mm in size.	188	0.9	43	17	

Sample No.	Description	Au ppb	Ag ppm	Cu ppm	Pb ppm	Other ppm
18521	Location: Lazy K4 claim, Trench A Rock Type: Altered quartz-feldspar porphyry dyke Sample Type: Grab from outcrop Strongly siliceous-carbonatized pale green rock. Original textures are non-evident. Altered pale green quartz crystals ranging between 1 mm and 2 mm in size are in a pale green fine-grained quartz-carbonate-chlorite matrix. Hairline fractures contain dark greenish-grey chlorite. Contains 2-3% fine-grained disseminated pyrite and trace chalcopyrite(?).	12	1.2	73	17	
18522	Location: Lazy K4 claim, Ridge Creek Rock Type: Basalt Sample Type: Grab from outcrop Greenish-grey, fine-grained basalt. Sample is moderately fractured. Several <1 mm wide quartz stringers throughout. Sample is from middle of a 5 cm wide fault zone which strikes 091° with a vertical dip. Contains 1-2% fine-grained disseminated pyrite.	4	1.6	27	13	
18523	Location: Lazy K4 claim, Lake Creek Rock Type: Quartz vein Sample Type: Grab from float A 5 cm wide smoky white quartz vein. Contains 1 cm wide vugs filled with euhedral quartz crystals. Minor rusty brown coating throughout.	4	0.7	5	8	
18524	Location: Lazy K4 claim, Trench B Rock Type: Feldspar porphyry dyke Sample Type: Grab from outcrop Medium grey siliceous feldspar porphyry dyke with 40-50% quartz and feldspar crystals ranging from <0.5 to 1 mm in a fine-grained crystal matrix. Carbonate specks ranging from <0.5 to 0.75 mm are throughout. Alteration haloes of minor epidote accompany white to grey quartz stringers. Trace to fine-grained disseminated pyrite in host rock, trace pyrite in stringers. Surface weathers rusty brown. Sample used for whole rock analyses.	3	1.4	12	18	

Sample No.	Description	Au ppb	Ag ppm	Cu ppm	Pb ppm	Other ppm
18525	Location: Lazy K4 claim, Trench B Rock Type: Quartz stringers Sample Type: Grab from outcrop A 0.2 to 3 cm wide, locally rusty brown quartz stringers trending east-west in a slightly siliceous and carbonatized green fine-grained feldspar porphyry dyke. Wall rock clasts in quartz stringers ranging from 1-4 mm are elongated and parallel to direction of quartz stringers. Vugs in quartz stringers up to 1 cm wide are filled with euhedral quartz crystals. Contains 2% fine-grained disseminated pyrite in wall rock, trace pyrite in quartz stringers. Sample is 35% quartz stringers and 65% host rock.	54	1.2	12	18	
18526	Location: Lazy K4 claim, Trench B Rock Type: Feldspar porphyry dyke Sample Type: Grab from outcrop Medium grey, slightly siliceous and carbonatized rock. Minor amounts of <1 mm quartz stringers throughout. Contains 10-15% feldspar phenocrysts which are subrounded. Trace to 1% fine-grained disseminated pyrite. No mineralization in quartz stringers.	30	2.4	73	33	
18527	Location: Lazy K4 claim, Trench B Rock Type: Quartz stringer Sample Type: Chip from outcrop Composite chip sample from 0.5 m area around sample 18525. Quartz stringers ranging from 0.5 to 2 cm in width are hosted in a slightly siliceous and carbonatized green fine-grained feldspar porphyry dyke. Contains 3% fine-grained disseminated pyrite in wall rock, with greater concentrations near quartz stringers. Trace pyrite in quartz stringers.	77	1.5	13	22	
18528	Location: Lazy K4 claim, Trench B Rock Type: Feldspar porphyry dyke Sample Type: Grab from outcrop Wall rock located 20 cm from 18525. Medium grey siliceous feldspar porphyry dyke. Quartz and feldspar crystal range between <0.5 to 3 mm in a chloritized fine-grained green matrix. Carbonate specs ranging from <0.5 to 0.75 mm are throughout sample. Sample is strongly fractured. Trace fine-grained disseminated pyrite and fracture filling pyrite.	6	2.4	74	27	

Sample No.	Description	Au ppb	Ag ppm	Cu ppm	Pb ppm	Other ppm
18529	Location: Lazy K4 claim, Trench B Rock Type: Quartz vein Sample Type: Grab from outcrop Shattered feldspar porphyry dyke with <0.1 to 2 cm quartz stringers throughout. Width of stringers change from 0.1 to 2 cm over several centimetres. Stringers strike 083° and dip 65°N. Contains 1-2% pyrite, trace malachite staining in 1 cm quartz stringer and 5-8% disseminated and fracture filling pyrite, and trace malachite staining in wall rock. Contains 2 mm wide vugs in quartz veins filled with euhedral quartz crystals. Sample is 30-40% quartz veins, 60-70% host rock.	136	1.0	277	23	
18530	Location: Lazy K4 claim, Trench B Rock Type: Feldspar porphyry dyke Sample Type: Chip from outcrop Composite chip sample of trench area. Slightly siliceous and carbonatized green fine-grained andesite. Contains <1% fine-grained iron carbonate specks throughout. Contains 1% fine-grained disseminated pyrite.	8	1.9	10	19	
18531	Location: Lazy K4 claim, Trench B Rock Type: Feldspar porphyry dyke Sample Type: Grab from outcrop Siliceous and carbonatized green fine-grained feldspar porphyry dyke. Sample is of wall rock taken 20 cm from quartz vein of 18532. Contains 1% of <0.5 mm wide specks of iron carbonate throughout. Trace of fine-grained disseminated pyrite.	14	1.4	10	29	
18532	Location: Lazy K4 claim, Trench #2 Rock Type: Quartz vein Sample Type: Grab from outcrop Quartz veins, ranging from 1-3 cm wide striking 057° with a vertical dip, can be traced for 5 m to sample 18534. Host rock is altered feldspar porphyry dyke with feldspar crystals ranging from 1-3 mm and mafics from <0.5 - 1 mm. Wall rock contains 8% fine-grained disseminated and cubic pyrite. Sample is 90% quartz vein, 10% wall rock.	226	1.8	13	46	209 Cr

Sample No.	Description	Au ppb	Ag ppm	Cu ppm	Pb ppm	Other ppm
18533	Location: Lazy K4 claim, Trench B Rock Type: Quartz stringers Sample Type: Grab from outcrop Quartz stringers ranging from 2-8 mm wide trending east-west in a siliceous and carbonatized green, fine-grained feldspar porphyry dyke. Contains 2% of <0.5 mm wide iron carbonate specks and 1% fine-grained disseminated pyrite in host rock and trace pyrite in quartz stringers. Sample is 20% quartz stringers, 80% host rock.	161	1.8	14	28	
18534	Location: Lazy K4 claim, Trench B Rock Type: Quartz vein Sample Type: Grab from outcrop Shattered feldspar porphyry dyke with 0.2 to 2 cm irregular greyish-white quartz stringers. Fragments of wall rock up to 1 cm are within quartz stringers. Stringers strike 055° and dip 80°N. Host rock contains <1 mm carbonate specks and 8-10% fine-grained to 1 mm cubic pyrite. Quartz stringers contain trace to 1% pyrite. Sample is 40% quartz vein, and 60% host rock.	310 0.33 g/t	1.9	14	53	
18535	Location: Lazy K4 claim, Trench B Rock Type: Feldspar porphyry dyke with quartz stringers Sample Type: Grab from outcrop Slightly siliceous and carbonatized green, fine-grained feldspar porphyry dyke. Contains 5% of 1-2 mm wide quartz stringers and 1% of <0.5 mm wide iron carbonate specks throughout. Trace to 1% fine-grained disseminated pyrite in host rock.	16	1.6	23	19	
18536	Location: Lazy K4 claim, Ridge Creek near Trench B Rock Type: Quartz vein Sample Type: Grab from outcrop Resample of 20990. A 2 cm wide rusty brown quartz vein striking 120° with a vertical dip hosted in a siliceous grey pyritic basalt(?). Contains 10-20% pyrite in wall rock up to 4 cm from quartz vein. Trace pyrite in quartz vein.	53	1.0	24	31	

Sample No.	Description	Au ppb	Ag ppm	Cu ppm	Pb ppm	Other ppm
18537	Location: Lazy K4 claim, Trench A Rock Type: Basalt Sample Type: Grab from outcrop Greenish-grey, fine-grained basalt. Contains 2-3%, 1-2 mm white feldspar phenocrysts. Several 4 mm quartz, quartz-epidote stringers throughout sample. Sample is used for whole rock analyses.	9	1.9	53	20	
18538	Location: Lazy K4 claim, Trench A Rock Type: Quartz-feldspar porphyry dyke Sample Type: Grab from outcrop Pale grey, slightly siliceous and carbonatized quartz-feldspar porphyry dyke. Contains 40-50% quartz and feldspar phenocrysts ranging from 4 to 5 mm wide. Quartz crystals are subrounded. Sample is used for whole rock analyses.	5	0.8	7	12	
18539	Location: Lazy K4 claim, Lake Creek Rock Type: Hornblende diorite Sample Type: Grab from outcrop Dark grey to black, medium-grained diorite. Contains 40-50% mafics of hornblende ranging from 1 to 10 mm. Contains 30-40% white feldspar crystals ranging from 1 to 3 mm. Contains 5-10% green fine-grained chlorite. Sample is used for whole rock analyses.	13	1.1	27	27	
18540	Location: Lazy K4 claim, Trench A Rock Type: Andesite dyke(?) Sample Type: Grab from outcrop Greyish-green, fine-grained andesite. Sample is from middle of a >2 m wide dyke(?). Contains 60-70% mafics and 30-40% feldspars ranging from <1 to 2 mm. Sample is used for whole rock analyses.	6	1.7	26	26	
18541	Location: Lazy K4 claim, Lake Creek Rock Type: Quartz diorite Sample Type: Grab from outcrop Light green to pale grey, medium-grained quartz diorite. Sample is finer-grained than the hornblende diorite. Contains 5-10% subrounded quartz crystals ranging from 2 to 3 mm in size. Sample is used for whole rock analyses.	11	1.4	14	19	

Sample No.	Description	Au ppb	Ag ppm	Cu ppm	Pb ppm	Other ppm
19185	Location: Lazy K4 claim, Trench B Rock Type: Quartz vein Sample Type: Grab from outcrop	515 0.63 g/t	5.3	136	2056	20 As 2330 Zn 31.7 Cd
	Quartz vein varies from 5 to 30 cm in width, striking 090° with unknown dip. Host rock is dacite dyke. Several host rock fragments up to 1 cm in size within quartz vein. Contains 1-2% galena in clusters up to 1 mm in size; 1-2% sphalerite in clusters up to 3 mm in size; and 1-2% fine-grained pyrite. Sample is 70% quartz vein and 30% host rock.					
19186	Location: Lazy K4 claim, Ridge Creek Rock Type: Quartz vein Sample Type: Grab from outcrop	103	3.2	22	123	162 Zn
	One centimetre wide quartz vein hosted in light green quartz-carbonate altered feldspar porphyry dyke. Sample is strongly fractured. Host rock contains 3-5% fine-grained disseminated pyrite and fracture filling. Quartz vein weathers rusty brown with trace fine-grained disseminated pyrite. Sample is 60% host rock and 40% quartz vein.					
19187	Location: Lazy K4 claim, Trench B Rock Type: Altered basalt Samle Type: Grab from outcrop	178	3.2	65	87	148 Zn
	Green, fine-grained basalt. Sample is strongly fractured with quartz flooding(?) in part of the sample. Abundant <0.5 mm quartz stringers with various strikes. Contains 2-4% fine-grained disseminated pyrite. Sample is 30% quartz and 70% basalt.					
19188	Location: Lazy K4 claim, Ridge Creek Rock Type: Quartz vein Sample Type: Grab from outcrop	27	1.4	16	32	254 Cr
	A 2 cm wide, smoky white quartz vein hosted in pale green quartz-carbonate altered feldspar porphyry dyke. Vein contains elongated host rock fragments up to 1 cm long. Host rock is fractured and contains numerous quartz stringers ranging from <0.5 to 2 mm. Host rock contains 3-5% fine-grained disseminated pyrite and fracture filling pyrite. Quartz vein locally weathers rusty brown.					

Sample No.	Description	Au ppb	Ag ppm	Cu ppm	Pb ppm	Other ppm
19189	Location: Lazy K4 claim, Ridge Creek Rock Type: Quartz vein Sample Type: Grab from outcrop A 20 cm wide quartz vein hosted in a dacite dyke. Sample is fractured with quartz vein containing host rock fragments. Contains 2-3% fine-grained disseminated pyrite and fracture filling pyrite.	8	0.8	7	29	234 Cr
19190	Location: Lazy K4 claim, Trench A Rock Type: Altered basalt/quartz-carbonate veins Sample Type: Grab from outcrop Strongly quartz-carbonated altered pale green basalt. Several 0.5 to 1 cm wide quartz-carbonate veins. Altered basalt contains 2-5% fine-grained disseminated pyrite. Quartz-carbonate veins contains trace pyrite.	215	2.8	42	35	178 Sr
19191	Location: Lazy K4 claim, Trench A Rock Type: Quartz-carbonate vein Sample Type: Grab from outcrop A 1 cm wide quartz-carbonate vein hosted in an altered pale green dacitic dyke. Surface weathers rusty brown. Trace fine-grained pyrite. Sample is 90% vein material and 5% host rock.	1800 2.21 g/t	1.8	53	27	118 As
19192	Location: Lazy K4 claim, Trench A Rock Type: Altered basalt/quartz-feldspar porphyry dyke Sample Type: Grab from outcrop Sample is of contact between green quartz-carbonate altered fine-grained basalt and pale green to white quartz-carbonate altered quartz-feldspar porphyry dyke. Several quartz, quartz-carbonate $\pm$ chlorite in basalt which run parallel to contact. Dacite weathers rusty brown. Contains 1-2% pyrite in both the basalt and the dacite.	29	2.1	59	31	

Sample No.	Description	Au ppb	Ag ppm	Cu ppm	Pb ppm	Other ppm
19193	Location: Lazy K4 claim, Trench A Rock Type: Altered basalt Sample Type: Grab from outcrop Strongly siliceous and carbonatized pale green basalt. Pervasive carbonate alteration throughout. Original textures are non-existent. Several <0.5 mm carbonate stringers throughout sample. Contains 3-5% fine-grained disseminated pyrite with dark green chlorite(?) haloes around the pyrite.	163	1.7	82	18	
19194	Location: Lazy K4 claim, Trench A Rock Type: Quartz-carbonate vein Sample Type: Grab from outcrop A 1 cm wide quartz-carbonate vein hosted in carbonate altered green to rusty white fine-grained basalt. Several carbonate stringers run parallel to vein. Pervasive carbonate alteration up to 3 cm from quartz-carbonate vein. Host rock contains 2-3% fine-grained disseminated pyrite. Sample is 80% host rock and 20% vein material.	17	2.7	64	40	
19195	Location: Lazy K4 claim, Trench A Rock Type: Altered quartz-feldspar porphyry dyke Sample Tpye: Grab from outcrop Strongly quartz-carbonate altered, pale green rock. Original textures are non-existent. Fracture filling quartz-carbonate-pyrite. Contains 1-2% pyrite.	9	2.6	60	18	425 Ba
19196	Location: Lazy K4 claim, Trench A Rock Type: Altered quartz-feldspar porphyry dyke Sample Type: Grab from outcrop Strongly quartz-carbonate altered, pale green rock. Original textures are non-existent. Fracture filling quartz-carbonate-pyrite. Contains 1-2% pyrite.	1	6.7	134	24	154.3 V

Sample No.	Description	Au ppb	Ag ppm	Cu ppm	Pb ppm	Other ppm
19197	Location: Lazy K4 claim, Trench A Rock Type: Altered basalt Sample Type: Grab from outcrop Strongly quartz-carbonate altered basalt with several 1 to 3 cm wide quartz-carbonate stringers. Contains 3-4% carbonate specks and 1-2% fine-grained disseminated pyrite.	302 0.34 g/t	1.8	11	17	
19198	Location: Lazy K4 claim, Cotter Creek Rock Type: Quartz-carbonate vein Sample Type: Grab from outcrop A 2 cm wide quartz-carbonate vein hosted in strongly quartz-carbonate altered pale green basalt. Host rock contains 2-3% fine-grained pyrite. Vein contains trace pyrite. Sample is 60% vein material and 40% host rock.	27	1.3	11	11	
19199	Location: Lazy K4 claim, Cotter Creek Rock Type: Quartz-feldspar porphyry dyke Sample Type: Grab from outcrop Green, medium-grained rock. White feldspar crystals ranging from <1 to 4 mm are subrounded in a green fine-grained matrix. Contains 5% carbonate specks and trace to 1% pyrite.	4	0.8	6	17	
19200	Location: Lazy K4 claim, Cotter Creek Rock Type: Quartz stringers Sample Type: Grab from outcrop Several 0.1 to 1 cm wide quartz-stringers hosted in greenish-grey fine-grained basalt. Quartz stringers contain basalt fragments up to 5 mm in size. Surface weathers rusty brown. Quartz stringers contain trace pyrite. Host rock contains 1-2% pyrite. Sample is 60% stringers and 40% host rock.	65	0.6	7	7	420 Cr
20990	Location: Lazy K4 claim, Ridge Creek Rock Type: Quartz vein Sample Type: Grab from outcrop A 3 cm wide quartz vein hosted in feldspar porphyry dyke. Vein strikes 120° with vertical dip. Contains 10-20% fine-grained disseminated pyrite in wall rock up to 1 cm from vein.	126	1.1	36	20	682 Cr

Sample No.	Description	Au ppb	Ag ppm	Cu ppm	Pb ppm	Other ppm
20991	Location: Lazy K4 claim, Canyon Creek Rock Type: Quartz vein Sample Type: Grab from outcrop A 30 cm wide quartz vein hosted in greenish-grey feldspar porphyry basalt. Strike in 120° with a vertical dip. Basalt fragments up to 1 cm in size within quartz vein. Trace to 1% fine-grained disseminated pyrite and chalcopyrite in host rock. Sample is 75% quartz vein and 25% host rock.	8	1.6	1233	18	103 Zn 497 Cr
20992	Location: Lazy K4 claim, Canyon Creek Rock Type: Quartz vein Location: Grab from outcrop A 5 cm wide smoky white quartz vein hosted in greenish-grey fine-grained basalt. Sample is 95% quartz vein and 5% host rock.	10	1.0	63	8	
20993	Location: Lazy K4 claim, L5W, 2+75W Rock Type: Basalt Sample Type: Grab from outcrop Grey, feldspar porphyritic basalt. White feldspar crystals range from <1 to 2 mm in a dark green fine-grained matrix. Minor quartz stringers <1 mm wide trend in various directions. Trace to 1% fine-grained disseminated pyrite.	8	0.8	70	8	
20994	Location: Lazy K4 claim, L4W, 1+75S Rock Type: Feldspar porphyry basalt Sample Type: Grab from outcrop Greenish-grey siliceous feldspar porphyry basalt. Surface weathers rusty brown. Trace to 1% fine-grained disseminated pyrite.	7	2.0	21	9	146 Sr
20995	Location: Lazy K4 claim, L3W, 2+00S Rock Type: Feldspar porphyry basalt Sample Type: Grab from outcrop Greenish-grey feldspar porphyry basalt. Trace to 1% fine-grained disseminated pyrite.	10	1.5	26	14	

Sample No.	Description	Au ppb	Ag ppm	Cu ppm	Pb ppm	Other ppm
23101	Location: Lazy K4 claim, Canyon Creek Rock Type: Basalt Sample Type: Grab from outcrop Greenish-grey, fine-grained basalt. Slight foliation in sample. Several 1 mm wide quartz-epidote stringers. Contains 1-2% fine-grained disseminated pyrite, trace chalcopyrite(?).	10	2.7	101	33	
23102	Location: Lazy K4 claim, Canyon Creek Rock Type: Altered quartz-feldspar porphyry dyke Sample Type: Grab from outcrop Pale green, siliceous and carbonatized rock. Quartz clasts range from 1 to 3 mm in a pale green fine-grained matrix of quartz-carbonate and mafics. Trace fine-grained disseminated pyrite.	8	1.0	4	26	
23103	Location: Lazy K4 claim, Canyon Creek Rock Type: Basalt Sample Type: Grab from outcrop Greenish-grey fine-grained basalt. Sample is from within a 20 cm wide fault zone. Fault strikes 153° with 88°E dip. Trace fine-grained disseminated pyrite.	14	1.5	50	31	21 As 122 Zn
23104	Location: Lazy K2 claim, Canyon Creek Rock Type: Basalt Sample Type: Grab from outcrop Green, fine-grained basalt. Sample is strongly fractured. Contains 3-5% fine-grained disseminated and fracture filling pyrite. Occasional clusters of pyrite up to 2 mm wide.	16	3.0	8	101	
23105	Location: Lazy K2 claim, Canyon Creek Rock Type: Basalt Sample Type: Grab from outcrop Greenish-grey, fine-grained basalt. Sample is moderately fractured. Several 1-5 mm wide quartz, quartz-epidote stringers. Contains 1-2% fine-grained disseminated pyrite. Occasional clusters of pyrite of up to 2 mm wide.	11	1.8	58	48	

Sample No.	Description	Au ppb	Ag ppm	Cu ppm	Pb ppm	Other ppm
23106	Location: Lazy K2 claim, Canyon Creek Rock Type: Quartz-feldspar porphyry dyke Sample Type: Grab from outcrop Pale green, moderately siliceous and carbonatized rock. Original textures are non-evident. Minor 1-3 mm wide quartz-epidote stringers. Trace pyrite in quartz-epidote stringers.	9	1.2	58	35	
23107	Location: Lazy K2 claim, Canyon Creek Rock Type: Quartz-feldspar porphyry dyke Sample Type: Grab from outcrop Pale green, 25 cm wide, medium-grained siliceous and carbonatized rock. Strike 120°, dip 30°N. Minor 5 mm wide pods of calcite and malachite staining. Trace to 1% sphalerite. Surface weathers brown.	12	3.5	1198	93	2107 Zn 36.3 Cd 406 Cr
23108	Location: Lazy K2 claim, Canyon Creek Rock Type: Basalt Sample Type: Grab from outcrop Green, fine-grained carbonatized basalt. Sample has slight foliation defined by dark green fine-grained chlorite. Contains 1-2% fine-grained disseminated pyrite, trace chalcopyrite(?).	8	3.0	179	75	21 As 171 Zn
23109	Location: Lazy K2 claim, Canyon Creek Rock Type: Altered basalt(?) Sample Type: Grab from outcrop Sample is from a quartz-feldspar pod. Pods are 20 cm wide. Host rock is greenish-grey, fine-grained basalt. At edge of pod there is a 2 mm wide epidote layer. Pod and host rock are both carbonatized. Sample is 50% host rock, 50% quartz-feldspar pod. No mineralization seen, but surface weathers brown.	20	4.8	140	144	208 B

Sample No.	Description	Au ppb	Ag ppm	Cu ppm	Pb ppm	Other ppm
23110	Location: Silver Creek, 50 m north of Lazy K4 claim Rock Type: Altered basalt Sample Type: Grab from outcrop Strongly altered rock containing epidote, chlorite and quartz. Rock is from a 15 cm wide fracture striking 053° with 80°W dip, and is parallel to 20 cm spaced joints of the same direction. Sample is pale green, fine-grained and contains 0.4 to 2 cm grey clasts of basalt(?). Several 1 mm quartz, quartz-epidote stringers. Trace fine-grained disseminated pyrite, galena and sphalerite(?).	6	48.8	122	2752	473 Zn
23111	Location: Silver Creek, 100 m north of Lazy K4 claim Rock Type: Altered basalt Sample Type: Grab from outcrop Strongly siliceous-carbonatized pale greenish grey fine-grained basalt. Abundant 1 mm wide quartz-carbonate stringers. Contains 1% fine-grained disseminated pyrite, galena and sphalerite(?) in host rock.	7	44.1	46	1752	536 Zn
23112	Location: Silver Creek, 150 m north of Lazy K4 claim Rock Type: Basalt Sample Type: Grab from outcrop Light grey, fine-grained rock. Several <1 mm wide quartz-carbonate stringers cutting sample in various directions. Dark green fine-grained chlorite defines slight foliation in sample. Contains 1-2% fine-grained disseminated and fracture filling pyrite.	9	8.4	145	292	20 As 153 Zn
23113	Location: Silver Creek, 175 m north of Lazy K4 claim Rock Type: Basalt Sample Type: Grab from outcrop Light grey, fine-grained basalt. Several <1 mm wide quartz carbonate stringers throughout sample. Dark green fine-grained chlorite defines a slight foliation. Contains 1-2% fine-grained disseminated pyrite.	4	11.9	102	399	22 As 132 Zn

Sample No.	Description	Au ppb	Ag ppm	Cu ppm	Pb ppm	Other ppm
23115	Location: Lazy K4 claim, L5W - 225S Rock Type: Quartz diorite Sample Type: Grab from outcrop Light green, medium-grained quartz diorite. Contains 10% subrounded quartz crystals ranging from 2-3 mm in size. Contains 1% fine-grained disseminated pyrite.	6	1.7	29	29	
23116	Location: Lazy K4 claim, Lake Creek Rock Type: Quartz vein Sample Type: Grab from outcrop Smoky white, 2 cm wide quartz vein. Host rock is medium-grained dark green altered diorite. Quartz vein strikes 005° with 78°E dip. Sample weathers rusty brown and is 40% quartz vein, 60% host rock.	4	0.8	31	34	
23117	Location: Lazy K4 claim, Lake Creek Rock Type: Hornblende diorite Sample Type: Grab from outcrop Dark grey to black, medium-grained diorite. Contains 40-50% mafics of hornblende ranging from 1 mm to 1 cm. Contains 30-40% white feldspar crystals ranging from 1-3 mm. Contains 5-10% green fine-grained chlorite. Minor 1 mm wide quartz stringers. Trace fine-grained disseminated pyrite.	2	0.1	48	15	
23118	Location: Lazy K4 claim, Lake Creek Rock Type: Hornblende diorite Sample Type: Grab from outcrop Dark grey to black, medium-grained diorite. Sample is intruded by irregular shaped coarse-grained felsic dykes ranging from 5-20 cm wide. These dykes consist of 20-30% smoky white quartz, 60-70% greenish white feldspar and 5-10% mafics. Surface of felsic intrusion weathers rusty brown. Sample is 30% felsic dyke, 70% host rock.	7	0.7	24	20	
23119	Location: Lazy K4 claim, Lake Creek Rock Type: Diorite Sample Type: Grab from outcrop Greenish-grey, medium-grained diorite. Contains 30-40% mafics of hornblende and chlorite. Trace 1% fine-grained disseminated pyrite.	8	1.0	55	16	

Sample No.	Description	Au ppb	Ag ppm	Cu ppm	Pb ppm	Other ppm
23120	Location: Lazy K4 claim, Lake Creek Rock Type: Quartz diorite Sample Type: Grab from outcrop Greenish-grey, fine to medium-grained diorite. Contains 20-25% feldspar crystals ranging from 1-4 mm in a matrix of quartz, feldspar, hornblende chlorite. Minor 1 mm wide quartz-carbonate stringers, 3% fine-grained disseminated and 1 mm wide blebs of pyrite.	3	1.1	33	10	
23121	Location: Lazy K4 claim, Lake Creek Rock Type: Diorite Sample Type: Grab from outcrop Greenish-grey, fine to medium-grained diorite. Sample is cut by several 1-2 mm quartz-epidote stringers. Contains 2% fine-grained disseminated pyrite.	11	1.3	24	19	
23122	Location: Lazy K4 claim, Lake Creek Rock Type: Andesite Sample Type: Grab from outcrop Green, fine-grained strongly foliated andesite. Sample is from middle of a 1 m wide shear zone striking 150° with a 65°E dip. Sample contains 10-20% iron carbonate(?) grains up to 2 mm in size which weather rusty brown.	4	1.0	37	19	
23123	Location: Lazy K4 claim, Lake Creek Rock Type: Andesite Sample Type: Grab from outcrop Greyish-green, fine-grained andesite. Sample is from middle of 1 m wide dyke(?) striking 135° with a 58°NE dip. Contains 3% fine-grained disseminated and 2 mm wide blebs of pyrite. Minor pyrite fracture filling.	6	0.8	48	16	
23124	Location: Lazy K4 claim, Lake Creek Rock Type: Basalt(?) Sample Type: Grab from outcrop Grey, fine-grained basalt. Sampled area is >1 m wide in contact with diorite. Slight foliation at contact with diorite accompanied by <1 mm quartz-epidote stringers. Trace fine-grained disseminated pyrite.	5	0.8	152	22	

Sample No.	Description	Au ppb	Ag ppm	Cu ppm	Pb ppm	Other ppm
23125	Location: Lazy K4 claim, Lake Creek Rock Type: Diorite Sample Type: Grab from outcrop Greenish-grey, fine to medium-grained moderately foliated diorite. Parts of sample are equigranular, others are massive mafics and felsics of up to 1 cm. Sample is cut by <1 mm quartz-epidote stringers. Surface weathers rusty brown.	7	0.7	44	25	
23126	Location: Lazy K4 claim, Cotter Creek Rock Type: Basalt Sample Type: Grab from outcrop Green, fine-grained slightly siliceous and carbonatized feldspar porphyry basalt. White feldspar phenocrysts are up to 2 mm in size in a dark green matrix. Contains 2% fine-grained disseminated pyrite.	9	1.0	39	20	
23127	Location: Lazy K4 claim, Cotter Creek Rock Type: Altered quartz diorite Sample Type: Grab from outcrop Light green, siliceous and carbonatized quartz diorite. Contains 5-8% of 3 mm wide quartz crystals in a light to dark green altered matrix. Several <1 mm wide quartz-epidote stringers. Contains 1% fine-grained disseminated pyrite.	6	0.7	8	12	
23128	Location: Lazy K4 claim, Cotter Creek Rock Type: Basalt Sample Type: Grab from outcrop Green, fine-grained strongly carbonatized basalt. Contains 1% fine-grained disseminated pyrite.	13	1.0	82	13	
23129	Location: Lazy K4 claim, Cotter Creek Rock Type: Basalt Sample Type: Grab from outcrop Greenish-grey, fine-grained massive basalt. Contains 2% fine-grained disseminated pyrite, trace chalcopyrite(?).	8	0.6	107	34	31 As 297 Ni 707 Cr

Sample No.	Description	Au ppb	Ag ppm	Cu ppm	Pb ppm	Other ppm
23130	Location: Lazy K4 claim, Cotter Creek Rock Type: Quartz vein Sample Type: Grab from outcrop Smoky white, 1 cm wide quartz vein. Strike is 190° with a 72°E dip. Wall rock is dark grey, fine-grained basalt. Quartz vein traced for 3 m and weathers rusty brown. Sample is 60% quartz vein, 40% host rock.	9	0.8	74	36	31 As 243 Ni 712 Cr
23131	Location: Lazy K4 claim, Cotter Creek Rock Type: Basalt Sample Type: Grab from outcrop Grey, fine-grained basalt. Sample is taken from hanging wall side, 30 cm from sample 23130. Minor fractures with quartz-carbonate alteration haloes. Contains 3% fine-grained disseminated and fracture filling pyrite.	14	0.6	112	17	247 Ni
23132	Location: Lazy K1 claim, shoreline Rock Type: Quartz vein Sample Type: Grab from outcrop Smoky, 1 cm wide quartz vein striking 145° with a 70°E dip. Quartz vein traced for 5 m. Host rock is quartz-carbonate altered fine-grained green basalt. Quartz vein weathers rusty brown. Sample is 50% quartz vein, 50% host rock.	11	0.5	16	6	807 Cr
23133	Location: Lazy K3 claim, shoreline Rock Type: Quartz vein Sample Type: Grab from outcrop Smoky white, 1 cm wide irregular shaped quartz vein. Wall rock is fine-grained grey basalt. Quartz vein traced for 0.5 m. Surface weathers rusty brown. Sample is 85% quartz vein, 15% wall rock.	12	0.5	62	10	317 Ba
23134	Location: Lazy K4 claim, L6E - south Rock Type: Basalt Sample Type: Grab from outcrop Grey, fine-grained basalt. Several $\leq$1 mm wide quartz stringers. Quartz stringers weather rusty brown.	16	1.8	104	10	

Sample No.	Description	Au ppb	Ag ppm	Cu ppm	Pb ppm	Other ppm
23135	Location: Lazy K4 claim, between L6E and L3E south Rock Type: Basalt Sample Type: Grab from outcrop Green, siliceous and carbonatized feldspar porphyry. Minor <1 mm quartz stringers. Trace fine-grained disseminated pyrite. Surface of quartz stringers weathers rusty brown.	9	1.3	54	21	
23136	Location: Lazy K4 claim, L4 - 2+25S Rock Type: Basalt Sample Type: Grab from outcrop Greenish-grey, fine-grained massive basalt. Several <1 mm quartz, quartz-epidote stringers throughout sample. Contains 1% fine-grained disseminated pyrite.	13	1.1	109	15	
23137	Location: Lazy K4 claim, L3E - 2+25S Rock Type: Basalt Sample Type: Grab from outcrop Greenish-grey, fine-grained, slightly foliated massive basalt. Several <1 mm quartz, quartz-epidote stringers throughout sample. Contains 3% fine-grained disseminated pyrite.	18	1.3	105	19	
23138	Location: Lazy K4 claim, Cotter Creek Rock Type: Basalt Sample Type: Grab from outcrop Pale green, feldspar porphyritic basalt with 20-30% phenocrysts of feldspar ranging from 2-3 mm in a green aphanitic matrix. Within matrix, 10% dark green, 1 mm wide patches. Contains 1% fine-grained disseminated pyrite in clusters up to 1 mm.	3	1.8	15	12	
23139	Location: Lazy K4 claim, Cotter Creek Rock Type: Quartz vein Sample Type: Grab from outcrop Smoky greyish-white, 5 cm wide quartz vein with 15% brown feldspar(?). Vein is very irregular but trends 150°, with a 70°W dip. Host rock is greenish-grey, fine-grained basalt. Trace fine-grained disseminated pyrite in host rock. Sample is 75% host rock, 25% quartz vein.	5	1.7	202	6	106 B

Sample No.	Description	Au ppb	Ag ppm	Cu ppm	Pb ppm	Other ppm
23140	Location: Lazy K4 claim, Cotter Creek near Trench A Rock Type: Quartz vein Sample Type: Grab from outcrop Contains 0.1 to 1 cm wide quartz veins in a 0.5 m wide gossan zone. Quartz veins strikes 007° and dips 78°E. Wall rock is strongly siliceous and carbonatized, whitish-green, fine-grained basalt and quartz diorite. Original textures in host rock are non-existent. Contains 5-7% fine-grained disseminated pyrite in altered wall rock. Sample is 30% quartz veins, 70% host rock.	4	1.5	61	12	
23141	Location: Lazy K4 claim, Cotter Creek near Trench A Rock Type: Altered basalt Sample Type: Grab from outcrop Strongly siliceous and carbonatized, whitish-green, fine-grained basalt. Original textures are non-existent. Sample is wall rock from hanging wall, 25 cm from sample 23140. Consists of 2-3% fine-grained disseminated pyrite. Surface weathers rusty brown.	7	1.4	76	12	
23142	Location: Lazy K4 claim, Cotter Creek near Trench A Rock Type: Altered quartz-feldspar porphyry dyke Sample Type: Grab from outcrop Smoky white, 7 mm in size, subrounded quartz clasts in a siliceous and carbonatized pale green matrix. Contains 10% dark green mafic blebs ranging from <1 to 4 mm. Sample is from footwall, 20 cm from sample 23140. Contains 1-2% fine-grained disseminated pyrite. Surface weathers rusty brown.	3	0.7	8	6	
23143	Location: Lazy K4 claim, Trench A Rock Type: Quartz vein Sample Type: Grab from outcrop Smoky white quartz vein, which ranges in width from 1 to 20 cm over a distance of 30 m, strikes 160° with a 80°E dip. Wall rock is strongly quartz-carbonate altered and contains up to 5% disseminated pyrite in both fine-grained and 1 mm cubic forms. Quartz vein contains no visible mineralization. Sample is 80% quartz vein, 20% host rock.	580	0.3	9	6	22 As

Sample No.	Description	Au ppb	Ag ppm	Cu ppm	Pb ppm	Other ppm
23144	Location: Lazy K4 claim, Trench A Rock Type: Altered basalt Sample Type: Grab from outcrop Whitish-green, strongly siliceous and carbonatized fine-grained basalt. Sample is from footwall, 20 cm from sample 23143. Altered wall rock extends up to 1 m from quartz vein on both hanging wall and footwall sides. Contains 5-8% disseminated pyrite in both fine-grained and 1 mm cubic forms. Trace to 1% pyrite as fracture fillings. Surface weathers rusty brown.	490	1.2	54	10	32 As
23145	Location: Lazy K4 claim, Cotter Creek near Trench A Rock Type: Quartz vein Sample Type: Grab from outcrop Whitish-grey, 1 cm wide quartz vein striking 160° with a 85°E dip. Quartz vein can be traced for 40 m and is along strike from sample 23140. Wall rock is moderately foliated, quartz-carbonate altered, fine-grained basalt and quartz diorite. Alteration of wall rock extends 1 m from quartz vein in both the hanging wall and footwall. No mineralization seen in quartz vein. Contains 1-2% fine-grained disseminated pyrite in wall rock. Sample is 80% quartz vein, 20% host rock.	28	0.9	13	8	28 W
23146	Location: Lazy K4 claim, Cotter Creek near Trench A Rock Type: Altered quartz-feldspar porphyry dyke Sample Type: Grab from outcrop Whitish-green, strongly siliceous-carbonatized rock. Sample is from hanging wall, 20 cm from sample 23145. Sample is moderately foliated with original textures non-existent. Quartz-carbonate alteration extends 1 m from quartz vein in both the hanging wall and footwall. Contains 5-7% disseminated pyrite in both fine-grained and 1 mm cubic forms. Pyrite is associated with quartz-carbonate alteration. Surface weathers rusty brown.	8	0.6	6	7	

Sample No.	Description	Au ppb	Ag ppm	Cu ppm	Pb ppm	Other ppm
23147	Location: Lazy K4 claim, Cotter Creek near Trench A Rock Type: Quartz stringers Sample Type: Grab from outcrop Smoky white, 0.1 to 1 cm quartz stringers with a general strike of 180° and 85°E dip. Wall rock is strongly quartz-carbonate altered quartz diorite which weathers rusty brown. Quartz stringers can be traced for 10 m before disappearing in overburden and in the creek. No mineralization in the quartz stringers, 5-7% fine-grained disseminated pyrite in the host rock. Sample is 40% quartz stringers, 60% host rock.	46	0.7	7	7	
23148	Location: Lazy K4 claim, Cotter Creek near Trench A Rock Type: Quartz vein Sample Type: Grab from outcrop Smoky white, 5 mm wide quartz vein striking 140° with a 85°E dip. Quartz vein can be traced for 15 m before disappearing in overburden and under-water. Host rock is strongly quartz-carbonate altered, whitish-green quartz diorite. Alteration in wall rock extends 1 m from quartz vein in both the hanging wall and footwall. Rusty coating on quartz vein, 5-7% fine-grained disseminated pyrite in host rock. Sample is 20% quartz vein, 80% host rock.	175	0.3	16	6	
23149	Location: Lazy K4 claim, Cotter Creek Rock Type: Altered basalt Sample Type: Grab from outcrop Light to dark green, fine-grained quartz-epidote, epidote altered basalt. Sample is from a 20 cm wide pod of altered basalt. Epidote stringers are abundant in and around pod. Contains 20% epidote, 10% massive pyrite and 1% chalcopyrite.	14	2.8	858	9	60 Co 52 Ni

Sample No.	Description	Au ppb	Ag ppm	Cu ppm	Pb ppm	Other ppm
23150	Location: Lazy K4 claim, Cotter Creek Rock Type: Quartz-feldspar porphyry dyke Sample Type: Grab from outcrop Light green, strongly quartz-carbonate altered rock. Sample is 10% 2 mm wide quartz stringers in a host rock with little or no original textures. Quartz stringers strike 158° with a vertical dip which can be traced for 10 m. Contains 3% fine-grained disseminated pyrite in wall rock for up to 0.5 m from quartz vein in both the hanging wall and footwall. Quartz vein is rusty coloured. Surface weathers rusty brown.	10	0.9	16	6	61 Ni
H-200	Location: Lazy K4 claim, Near slash line - Canyon Creek Rock Type: Basalt/quartz stringers Sample Type: Grab from float Greyish-green, fine-grained basalt with numerous <1 mm to 2 mm quartz stringers. Trace to 1% fine-grained disseminated pyrite in basalt. Quartz stringers locally weather rusty brown.	8	7.8	64	399	131 Zn
H-201	Location: Lazy K4 claim, Near slash line - Canyon Creek Rock Type: Basalt Sample Type: Grab from outcrop Moderate green, fine-grained basalt. Contains 1% fine-grained disseminated basalt. Surface weathers rusty brown.	6	4.7	11	129	264 Sr
H-202	Location: Lazy K4 claim, Near slash line - Canyon Creek Rock Type: Quartz vein Sample Type: Grab from outcrop A 0.8 m wide smoky white quartz vein striking 160° with a vertical dip. Vein can be traced for 2 m. Host rock is greenish-grey, fine-grained basalt. Quartz vein contains 0.2 to 1 cm basalt fragments and 0.5 cm wide vugs which are filled with euhedral quartz crystals. Contains 1-2% fine-grained pyrite. Sample is 90% quartz vein, and 10% pyrite.	9	2.3	6	110	

Sample No.	Description	Au ppb	Ag ppm	Cu ppm	Pb ppm	Other ppm
H-203	Location: Lazy K4 claim, Near slash line - Canyon Creek Rock Type: Basalt Sample Type: Grab from outcrop Light greenish-grey, fine-grained quartz-carbonate altered basalt. Sample is taken 20 cm from H-202 on hanging wall side. Thin (<1 mm) quartz stringers are throughout sample. Contains 2-5% fine-grained disseminated pyrite in basalt. Surface weathers rusty brown.	57	1.7	175	82	20 As
H-204	Location: Lazy K4 claim, Near slash line - Cotter Creek Rock Type: Basalt Sample Type: Grab from outcrop Light greenish-grey, fine-grained quartz-carbonate altered basalt. Sample is taken 20 cm from H-202 on footwall side. Thin (<1 mm) quartz stringers are throughout sample. Contains 1% fine-grained disseminated pyrite in basalt. Surface weathers rusty brown.	11	3.7	112	100	
H-205	Location: Lazy K4 claim, top of first waterfall on Canyon Creek Rock Type: Basalt Sample Type: Grab from outcrop Light greyish-green, fine-grained basalt with 10-15% quartz stringers which are <1 mm wide. Contains 1% fine-grained disseminated pyrite in basalt. Surface weathers rusty brown.	9	3.6	172	56	
H-206	Location: Lazy K4 claim, at slash line near Canyon Creek Rock Type: Altered quartz-feldspar porphyry dyke Sample Type: Grab from outcrop Light greyish-green, fine to medium-grained rock. Crystal boundaries are subrounded and are not sharp. Trace to 1% fine-grained disseminated pyrite.	8	1.7	94	65	

Sample No.	Description	Au ppb	Ag ppm	Cu ppm	Pb ppm	Other ppm
H-207	Location: Lazy K4 claim, at slash line near Canyon Creek Rock Type: Basalt/quartz stringers Sample Type: Grab from outcrop Greenish-grey, fine-grained siliceous and carbonatized basalt with 10-15% quartz stringers ranging from $\leq$1 mm wide. Contains 1% fine-grained disseminated pyrite in basalt.	64	1.5	72	65	465 Ba
H-208	Location: Lazy K2 claim, Canyon Creek Rock Type: Quartz vein Sample Type: Grab from outcrop A 2 cm wide smoky white quartz vein strikes 180° with a vertical dip and can be traced for 5 m. Host rock is siliceous and carbonatized, light greyish-green, fine-grained basalt. Quartz-carbonate alteration exists up to 30 cm from quartz vein. Contains 1% fine-grained disseminated pyrite in host rock. Sample is 80% quartz vein and 20% host rock.	14	1.5	25	61	
H-209	Location: Lazy K2 claim, Canyon Creek Rock Type: Altered basalt Sample Type: Grab from outcrop Light greyish-green, siliceous and carbonatized fine-grained basalt. Sample is taken 10 cm from H-208 on hanging wall side. Contains 1% fine-grained disseminated pyrite.	66	0.6	8	28	
H-210	Location: Lazy K2 claim, Canyon Creek Rock Type: Quartz vein Sample Type: Grab from outcrop A 3 cm wide smoky white quartz vein with unknown strike and dip. Host rock is greyish-green, fine-grained basalt. Angular basalt fragments up to 2 cm in size are within quartz vein. Contains 1% fine-grained disseminated pyrite in wall rock. Sample is 70% quartz vein and 30% host rock.	12	0.7	4	42	

Sample No.	Description	Au ppb	Ag ppm	Cu ppm	Pb ppm	Other ppm
H-211	Location: Lazy K2 claim, Canyon Creek Rock Type: Basalt Sample Type: Grab from outcrop Greenish-grey, fine-grained massive basalt. Sample is 15 cm from H-210 on hanging wall side. Contains 2-5% fine-grained disseminated pyrite.	63	1.4	19	40	
H-212	Location: Lazy K4 claim, Near slash line - Canyon Creek Rock Type: Basalt Sample Type: Grab from outcrop Dark green, fine-grained basalt. Trace to 1% fine-grained disseminated pyrite.	9	2.4	101	64	
H-213	Location: Lazy K4 claim, L5E, 2+12S Rock Type: Chert Sample Type: Grab from float Light to medium grey banded chert. Chert layers are 1 cm wide with sharp contacts. Contains 1-2% fine-grained disseminated pyrite and trace chalcopyrite. Surface weathers rusty brown.	7	3.4	369	98	128 Zn
H-214	Location: Lazy K4 claim, near slash line - Canyon Creek Rock Type: Quartz vein Sample Type: Chip from outcrop A 50 cm wide smoky white quartz vein can be traced for 10 m. Host rock is siliceous and carbonatized fine-grained greenish-grey basalt. Quartz-carbonate alteration in wall rock exists up to 50 cm from quartz vein. Trace pyrite in quartz vein, 1-2% fine-grained disseminated pyrite in host rock. Sample is 95% quartz vein and 5% host rock.	94	0.9	66	47	
H-215	Location: Lazy K4 claim, near slash line - Canyon Creek Rock Type: Quartz vein Sample Type: Chip from outcrop A 40 cm wide, smoky white quartz vein with unknown strike and dip which can be traced for 10 m. Host rock is siliceous and carbonatized light green, fine-grained basalt. Quartz vein locally weathers rusty brown. Host rock contains 1-2% fine-grained disseminated pyrite. Sample is 90% quartz vein and 10% host rock.	44	1.0	45	49	

Sample No.	Description	Au ppb	Ag ppm	Cu ppm	Pb ppm	Other ppm
H-216	Location: Lazy K4 claim, Ridge Creek Rock Type: Quartz vein Sample Type: Grab from outcrop A 1-5 cm wide, smoky white quartz vein striking 090° with a vertical dip which can be traced for 3 m. Host rock is greenish-grey, fine-grained basalt. Quartz vein contains 0.4 to 1 cm wide vugs filled with euhedral quartz crystals. No sulphide mineralization present.	102	1.0	15	29	
H-217	Location: Lazy K2 claim, near slash line - Canyon Creek Rock Type: Quartz-carbonate stringers Sample Type: Grab from outcrop Several <1 to 2 mm wide, smoky white quartz and quartz-carbonate stringers hosted in greenish-grey, fine-grained basalt. Stringers strike in various directions. Trace to 1% fine-grained disseminated basalt in host rock. Stringers weather locally rusty brown. Sample is 30% quartz-carbonate stringers and 70% host rock.	12	2.8	140	78	20 As
H-500	Location: Lazy K3 claim, shoreline near Gibson Cove Rock Type: Argillite Sample Type: Grab from outcrop Dark grey to black aphanitic argillite. Contains 30-35% fine-grained disseminated pyrite and fracture filling pyrite. Minor quartz stringers <0.5 mm.	10	1.0	70	22	
H-501	Location: Lazy K3 claim, shoreline near Gibson Cove Rock Type: Argillite Sample Type: Grab from outcrop Dark grey to black aphanitic argillite. Contains 30-35% fine-grained disseminated pyrite and fracture filling pyrite. Minor quartz stringers <0.5 mm.	11	1.8	97	18	113 Zn 156.0 V

Sample No.	Description	Au ppb	Ag ppm	Cu ppm	Pb ppm	Other ppm
H-502	Location: Lazy K3 claim, shoreline near Gibson Cove Rock Type: Argillite Sample Type: Grab from outcrop Dark grey to black aphanitic argillite. Contains 30-35% fine-grained disseminated pyrite and fracture filling pyrite. Minor quartz stringers <0.5 mm.	19	1.2	68	16	529 Cr
H-504	Location: Lazy K4 claim, L5E, 2+25S Rock Type: Basalt Sample Type: Grab from outcrop Greenish-grey, fine-grained massive basalt. Several <1 mm wide quartz-epidote stringers with various strikes. Quartz-epidote veins weather rusty brown.	4	2.3	85	8	
H-505	Location: Lazy K4 claim, L2E, 2+00S Rock Type: Basalt Sample Type: Grab from outcrop Green, fine-grained carbonatized basalt containing several 5 mm wide epidote veins. Trace fine-grained disseminated pyrite.	8	2.0	26	8	
H-506	Location: Lazy K4 claim, Canyon Creek Rock Type: Altered basalt Sample Type: Grab from outcrop Pale grey, siliceous, carbonatized feldspar porphyry basalt. Sample is taken from a 1.5 m wide altered zone. Gossan zone is 10 cm wide and can be traced for over 50 m. Contains 6-8% fine-grained and euhedral cubes up to 1 mm, disseminated pyrite. Surface weathers rusty brown.	14	0.8	17	9	
H-507	Location: Lazy K4 claim, between Canyon and Ridge Creeks Rock Type: Quartz vein Sample Type: Grab from outcrop A 20 cm wide, smoky white quartz vein. Strikes 042° with a 60°NW dip. Host rock is fine-grained, green massive basalt. Quartz vein weathers rusty brown, basalt contains 1% fine-grained disseminated pyrite. Sample is 60% quartz vein and 40% host rock.	23	1.6	45	30	29 As 126 Zn

Sample No.	Description	Au ppb	Ag ppm	Cu ppm	Pb ppm	Other ppm
H-508	Location: Lazy K2 claim, near Canyon Creek Rock Type: Quartz vein Sample Type: Grab from outcrop A 20 cm wide quartz vein containing basalt fragments of up to 2 cm in size. Vein strikes 080° with a vertical dip. Wall rock is fine-grained green basalt. Surface is strongly weathered. Quartz vein contains 1% fine-grained disseminated pyrite. Sample is 40% quartz vein and 60% host rock.	250	2.0	46	16	
H-509	Location: Lazy K2 claim, Canyon Creek Rock Type: Basalt Sample Type: Grab from outcrop Green moderately foliated, carbonatized basalt. Contains 10% carbonate blebs up to 4 mm in size. Foliation strikes 124° with a 70°NE dip. Contains 1% fine-grained disseminated pyrite.	15	2.2	93	6	
H-510	Location: Lazy K2 claim, Canyon Creek Rock Type: Altered basalt Sample Type: Grab from outcrop Light green, siliceous basalt. Numerous 1 mm quartz stringers running in various directions. Siliceous zone trends 120° and is 20 cm wide. No visible mineralization.	3	1.1	22	7	
H-511	Location: Lazy K2 claim, Canyon Creek Rock Type: Basalt Sample Type: Grab from outcrop Slightly foliated greenish-grey, fine-grained basalt with 10 cm wide calcite vein. Vein is very irregular in strike. No visible mineralization. Sample is 50% basalt and 50% calcite vein.	25	1.0	8	6	

MPH

Appendix III

CERTIFICATES OF ANALYSIS

MIN-EN LABORATORIES LTD.

Specialists in Mineral Environments

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

PHONE:(604)980-5814 OR (604)988-4524 TELEX:VIA USA 7601067 UC

Certificate of ASSAY

Company:MPH CONSULTING
Project:V 261
Attention:C.NAAS, T.HAYES, G.HAWKINS.

File:8-69/P1
Date:JAN 26/88
Type:ROCK ASSAY

We hereby certify the following results for samples submitted.

Sample Number	AU G/TONNE	AU OZ/TON
18503	1.06	0.031
18504	4.29	0.125

Certified by

MIN-EN LABORATORIES LTD.

RECEIVED JAN 2 9 1988

MIN-EN LABORATORIES LTD.

Specialists in Mineral Environments

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

PHONE:(604)980-5814 OR (604)988-4524 TELEX:VIA USA 7601067 UC

Certificate of ASSAY

Company:MPH CONSULTING
Project:V261
Attention:G.HAWKINS/T.HAYES/C.NAAS

File:8-252/P1
Date:MAR 3/88
Type:ROCK ASSAY

We hereby certify the following results for samples submitted.

Sample Number	AU G/TONNE	AU OZ/TON
18519	.32	0.009
18534	.33	0.010

Certified by _____

MIN-EN LABORATORIES LTD.

MIN-EN LABORATORIES LTD.

Specialists in Mineral Environments

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

PHONE:(604)980-5814 OR (604)988-4524 TELEX:VIA USA 7601067 UC

Certificate of ASSAY

Company:MPH CONSULTING
Project:V 261
Attention:G.HAWKINS/T.HAYES/G.LORENZETTI

File:B-230/P1
Date:FEB 26/88
Type:ROCK ASSAY

We hereby certify the following results for samples submitted.

Sample Number	AU G/TONNE	AU OZ/TON
19 185	.63	0.018
19 191	2.21	0.064
19 197	.34	0.010

Certified by _____

MIN-EN LABORATORIES LTD.

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COMPANY: MPH CONSULTING | MIN-EN LABS ICP REPORT | (ACT:F31) PAGE 1 OF 3

PROJECT NO: V261 | 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 | FILE NO: 7-2032/P1+2

ATTENTION: G.HAWKINS | (604)980-5814 OR (604)988-4524 | * TYPE ROCK GEOCHEM * | DATE:DEC 9, 1987

(VALUES IN PPM)	AG	AL	AS	B	BA	BE	BI	CA	CD	CO	CU	FE
23 110	48.8	14500	15	15	13	.7	12	18100	6.5	18	122	22520
23 111	44.1	19270	11	15	25	1.1	2	13970	4.8	8	46	34160
23 112	8.4	36100	20	36	14	1.7	7	30740	1.5	26	145	51990
23 113	11.9	37060	22	37	32	2.1	6	21020	1.6	25	102	65170
HERB 200	7.8	19460	12	21	61	1.7	1	32460	1.4	15	64	55370
HERB 201	4.7	21660	9	20	19	.8	13	30830	1.4	13	11	24070
HERB 202	2.3	3500	10	1	23	.5	1	10560	1.3	5	6	17490
HERB 203	1.7	17350	20	17	55	2.2	1	48570	1.7	25	175	67950
HERB 204	3.7	30690	9	30	31	2.0	8	16760	1.3	27	112	63550
HERB 205	3.6	39700	9	46	39	2.4	10	25520	1.8	36	172	73990
HERB 206	1.7	11640	10	2	24	.8	1	6850	1.4	9	94	26140
HERB 207	1.5	8290	9	11	465	.5	1	24930	1.3	6	72	13710
HERB 208	1.5	6300	12	1	63	.7	1	23370	1.3	5	25	21000
HERB 209	.6	11280	12	8	77	1.1	1	28550	1.5	5	8	34720
HERB 210	.7	2380	9	1	25	.2	1	10720	1.5	2	4	6570
HERB 211	1.4	13500	16	14	52	1.1	1	26110	1.3	6	19	35130
HERB 212	2.4	20780	17	24	50	1.4	6	15760	1.6	23	101	44810
HERB 213	3.4	21550	13	16	45	.8	2	27900	1.5	9	369	22920
HERB 214	.9	17230	12	21	69	1.9	2	12340	1.5	12	66	57290
HERB 215	1.0	15470	15	14	54	1.2	1	1610	1.3	9	45	35560
HERB 216	1.0	10530	12	4	51	.8	1	1540	1.5	9	15	25470
HERB 217	2.8	41900	20	47	11	1.1	1	51900	1.3	16	140	30110
23 101	2.7	36340	8	42	26	2.2	12	19260	1.9	32	101	66100
23 102	1.0	8840	8	1	32	.6	3	3200	1.3	5	4	17160
23 103	1.5	34780	21	51	151	2.4	4	11680	1.9	23	50	72080
23 104	3.0	18760	10	14	22	1.6	2	6970	1.5	13	8	48600
23 105	1.8	18490	13	13	14	1.5	4	9950	1.5	15	58	44640
23 106	1.2	16660	-11	10	38	.9	1	16130	1.3	10	59	23260
23 107	3.5	19600	11	13	23	1.1	1	10020	36.3	16	1198	29960
23 108	3.0	34190	21	34	30	2.2	4	28350	1.3	31	179	65450
23 109	4.8	34760	11	208	16	1.0	1	62620	1.5	14	140	28650

(VALUES IN PPM)	K	LI	MG	MN	MO	NA	NI	P	PB	SB	SR	TH
23 110	160	11	11060	699	1	290	33	1160	2752	90	96	1
23 111	900	9	12210	1783	1	450	2	2670	1752	114	14	1
23 112	210	10	26110	964	1	350	28	1670	292	17	3	1
23 113	670	15	25030	1455	2	230	4	2990	327	25	48	1
HERB 200	2320	7	19570	1200	1	300	1	2800	399	49	71	1
HERB 201	230	1	6340	384	1	120	3	980	129	11	264	1
HERB 202	850	1	2700	485	1	40	2	260	110	9	23	1
HERB 203	2530	6	23570	1265	1	150	41	1540	82	4	113	1
HERB 204	710	9	24850	823	1	720	28	1620	100	9	22	1
HERB 205	1880	17	35420	1138	1	190	38	1830	56	9	16	1
HERB 206	700	6	8880	431	1	440	3	1300	65	6	39	1
HERB 207	3470	4	3600	424	1	50	1	1190	65	1	48	1
HERB 208	1850	1	5970	610	1	190	1	1620	61	1	62	1
HERB 209	3060	4	7810	837	1	360	1	3570	28	1	46	1
HERB 210	830	1	1410	311	1	50	1	320	42	1	45	1
HERB 211	1660	10	10450	730	1	430	1	3640	40	2	73	1
HERB 212	1930	8	14760	439	1	1120	30	1440	64	17	24	1
HERB 213	620	7	5140	228	3	950	19	5560	98	9	144	1
HERB 214	2630	6	10510	1050	1	130	2	3000	47	4	28	1
HERB 215	2140	7	8780	650	1	170	2	1380	49	5	4	1
HERB 216	2180	6	6140	307	1	80	1	730	29	2	5	1
HERB 217	260	8	11850	519	1	420	21	1180	78	5	16	1
23 101	220	10	31970	826	2	550	32	1810	33	6	10	1
23 102	1090	5	5950	320	1	600	1	960	26	2	11	1
23 103	3400	10	24220	1593	1	410	3	2660	31	7	16	1
23 104	490	7	14770	902	1	520	3	3650	101	11	34	1
23 105	190	6	15850	787	2	1040	1	3640	48	7	47	1
23 106	1000	7	8970	629	1	850	10	1420	35	4	26	1
23 107	580	9	12930	697	2	1020	23	1560	93	6	43	1
23 108	690	10	36310	1173	2	510	45	1700	75	7	49	1
23 109	270	11	9610	502	1	800	21	1080	144	9	49	1

COMPANY: MPH CONSULTING | MIN-EN LABS ICP REPORT | (ACT:F31) PAGE 3 OF 3

PROJECT NO: V261 | 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 | FILE NO: 7-2032/P1+2

ATTENTION: G.HAWKINS | (604)980-5814 OR (604)988-4524 | * TYPE ROCK GEOCHEM * | DATE:DEC 9, 1987

(VALUES IN PPM)	U	V	ZN	GA	SN	W	CR	AU-PPB
23 110	1	77.2	473	1	3	3	77	6
23 111	1	23.8	536	1	1	3	46	7
23 112	1	159.0	153	1	3	2	25	9
23 113	1	175.0	132	1	3	5	14	4
HERB 200	1	88.3	131	1	1	1	26	8
HERB 201	1	104.5	39	1	3	2	40	6
HERB 202	1	16.6	37	1	1	1	142	9
HERB 203	1	80.7	98	2	1	2	28	57
HERB 204	1	183.1	83	3	2	2	47	11
HERB 205	1	204.2	87	2	3	6	57	9
HERB 206	1	33.0	52	1	1	1	64	8
HERB 207	1	11.2	33	1	1	1	56	64
HERB 208	1	13.8	38	1	1	1	73	14
HERB 209	1	12.1	54	2	1	2	41	66
HERB 210	4	4.5	23	1	1	1	149	12
HERB 211	1	16.1	66	1	1	2	27	63
HERB 212	1	113.8	47	1	2	3	51	9
HERB 213	1	57.7	128	1	1	1	131	7
HERB 214	1	40.9	84	2	1	1	30	94
HERB 215	1	36.4	60	1	1	2	112	44
HERB 216	1	37.8	40	1	1	2	139	102
HERB 217	1	100.9	44	2	2	5	81	12
23 101	1	184.3	73	3	3	6	46	10
23 102	1	23.6	33	1	1	1	55	8
23 103	1	126.7	122	1	1	7	51	14
23 104	1	92.8	74	1	1	4	93	16
23 105	1	89.0	67	1	1	4	127	11
23 106	1	45.2	55	1	1	2	286	9
23 107	1	51.9	2107	1	1	5	406	12
23 108	1	192.5	171	1	2	4	100	8
23 109	2	97.9	76	1	2	6	245	20

COMPANY: MPH CONSULTANTS | MIN-EN LABS ICP REPORT | (ACT:F31) PAGE 1 OF 3

PROJECT NO: V 261 | 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 | FILE NO: 7-2068R/P1

ATTENTION: G.HOWKINS/T.HAYES | (604)980-5814 OR (604)988-4524 | * TYPE ROCK GEOCHEM * | DATE: DEC 28, 1987

(VALUES IN PPM)	AG	AL	AS	B	BA	BE	BI	CA	CD	CO	CU	FE
23 115	1.7	14340	10	29	71	.7	1	9770	1.0	8	29	21870
23 116	.8	26080	13	35	37	1.1	1	10150	3.6	16	31	32850
23 117	.1	14360	3	19	54	.5	1	10990	1.0	8	48	12170
23 118	.7	17390	11	22	22	.7	1	7990	1.6	11	24	20350
23 119	1.0	17710	8	24	55	1.1	1	8430	1.6	11	55	32800
23 120	1.1	17040	6	23	30	1.1	1	7970	1.4	9	53	36180
23 121	1.3	18180	8	25	37	1.4	1	4250	1.3	10	24	46540
23 122	1.0	26970	10	43	96	1.9	1	3030	2.4	15	37	57160
23 123	.8	23040	8	30	28	1.5	1	9760	2.0	11	46	46900
23 124	.8	19840	13	27	34	1.4	1	7140	1.9	11	152	46220
23 125	.7	35540	11	49	47	1.4	1	19370	3.3	20	44	42670
23 126	1.0	25570	8	34	23	1.4	1	14090	1.5	11	39	44430
23 127	.7	10840	3	14	32	.6	1	9690	1.2	6	8	14870
23 128	1.0	22140	8	31	32	1.6	1	17040	1.6	14	82	52960
23 129	.6	42370	31	59	28	1.6	2	15780	4.0	31	107	49480
23 130	.8	36620	31	53	28	1.7	4	5560	4.1	31	74	52920
23 131	.6	21980	12	32	41	.8	1	13410	1.8	27	112	27150
23 132	.5	2460	13	10	46	.3	1	1110	.3	9	16	6870
23 133	.5	15510	1	20	317	.4	2	21560	.5	8	62	11460
23 134	1.8	14950	4	22	25	1.0	10	12240	1.2	16	104	32730
23 135	1.3	19650	8	30	34	1.4	8	6990	1.3	12	54	44090
23 136	1.1	24070	7	34	15	1.4	9	15650	1.3	15	109	44800
23 137	1.3	26460	13	39	17	1.5	15	20030	2.1	20	105	48900
HERB 500	1.0	21230	9	27	416	1.1	11	4900	1.9	9	70	35350
HERB 501	1.8	15850	13	22	251	1.3	14	6970	1.6	13	97	41590
HERB 502	1.2	16930	20	22	902	1.2	13	3840	1.4	14	68	37580
20 990	1.1	2090	17	4	44	.9	5	370	.1	16	36	29120
20 991	1.6	23070	16	33	37	1.6	3	11640	1.4	18	1233	54030

(VALUES IN PPM)	K	LI	MG	MN	MO	AA	NI	P	PB	SB	SR	TH
23 115	1330	8	10000	491	1	450	19	1750	29	2	10	1
23 116	710	8	33260	742	2	110	20	960	34	4	8	2
23 117	1530	2	11860	258	1	630	11	630	15	2	20	1
23 118	500	3	16300	412	1	300	12	640	20	3	8	1
23 119	840	2	13140	535	1	690	4	1190	16	1	18	1
23 120	600	3	13610	425	1	430	8	1570	10	2	9	1
23 121	930	4	15660	838	1	190	1	1920	19	1	9	1
23 122	2050	6	22000	1354	1	90	6	2250	19	2	1	1
23 123	450	3	17510	1166	1	520	4	3380	16	2	15	1
23 124	420	2	18690	1038	1	430	2	3240	22	1	11	1
23 125	790	9	30760	772	1	360	5	1310	25	2	14	2
23 126	300	10	17830	1089	1	340	3	3230	20	1	1	1
23 127	450	3	6650	415	1	290	7	1140	12	1	4	1
23 128	1180	7	17910	899	1	450	1	2310	13	6	4	1
23 129	490	27	51190	926	2	420	297	1210	34	4	4	3
23 130	500	26	47290	1106	3	100	243	1160	36	5	5	3
23 131	820	5	13610	301	1	1640	247	860	17	3	50	1
23 132	1080	1	1540	106	2	160	48	270	6	2	5	1
23 133	210	2	4010	132	1	510	22	1310	10	1	3	1
23 134	330	3	11670	433	1	730	17	1820	10	2	22	1
23 135	930	5	13790	952	1	730	2	1630	21	1	5	1
23 136	320	5	15640	769	1	610	2	2470	15	2	1	1
23 137	190	5	20310	455	1	490	27	1750	19	1	5	1
HERB 500	10550	17	17290	438	1	1220	5	1430	22	2	11	1
HERB 501	6930	13	16740	1041	2	670	11	1900	18	2	6	1
HERB 502	4150	17	13800	422	2	440	27	1950	16	1	4	1
20 990	960	1	1100	90	6	40	35	470	20	1	1	1
20 991	1380	8	17060	962	2	200	24	2380	16	2	1	1

(VALUES IN PPM)	U	V	ZN	BA	SN	W	CR	AU-PPB
23 115	1	26.3	49	1	1	1	138	6
23 116	1	59.2	44	2	1	1	128	4
23 117	1	17.9	18	1	1	1	25	2
23 118	1	42.1	30	1	1	1	125	7
23 119	1	69.2	45	1	1	2	135	8
23 120	1	40.0	47	2	1	1	128	3
23 121	1	50.5	56	1	1	1	35	11
23 122	1	61.1	80	2	1	1	19	4
23 123	1	51.6	112	2	1	1	128	6
23 124	1	92.1	96	1	1	1	103	5
23 125	1	104.7	48	1	1	2	56	7
23 126	1	68.3	75	1	1	1	78	9
23 127	1	20.4	41	1	1	1	160	6
23 128	1	114.8	73	1	1	3	60	13
23 129	1	106.0	59	1	1	4	707	8
23 130	1	115.2	61	1	1	3	712	9
23 131	1	30.1	20	1	1	2	232	14
23 132	2	19.3	16	1	1	1	807	11
23 133	1	35.7	23	1	1	1	283	12
23 134	1	98.3	48	1	2	1	109	16
23 135	1	95.2	73	1	1	2	102	9
23 136	1	103.3	73	1	1	2	52	13
23 137	1	130.1	52	1	2	1	113	18
HERB 500	1	97.9	88	1	1	1	73	10
HERB 501	1	156.0	113	1	2	2	51	11
HERB 502	1	99.5	99	1	1	1	529	19
20 990	1	18.4	18	1	1	1	682	126
20 991	1	89.4	103	1	1	2	497	8

COMPANY: MPH CONSULTING | MIN-EN LABS ICP REPORT | (ACT:F31) PAGE 1 OF 3

PROJECT NO: V261 | 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 | FILE NO: 7-2135

ATTENTION: T.HAYES/B.HAWKINS | (604)980-5814 OR (604)988-4524 | * TYPE ROCK GEOCHEM * | DATE:JAN 4, 1989

(VALUES IN PPM)	AG	AL	AS	B	BA	BE	BI	CA	CD	CO	CU	FE
23 138	1.8	10980	7	26	39	.8	5	8890	.8	5	15	24890
23 139	1.7	18700	8	106	89	.8	1	25540	.5	7	202	21360
23 140	1.5	13550	8	30	73	1.4	2	36560	.9	7	61	41570
23 141	1.4	21910	6	34	67	1.7	1	26370	1.1	9	76	54500
23 142	.7	5140	1	11	49	.4	1	9500	.4	1	8	10430
20 992	1.0	7830	11	12	33	.9	1	37410	.4	5	63	24990
23 143	.3	4040	22	9	35	.5	1	10370	.4	3	9	13860
23 144	1.2	6570	32	17	65	1.6	1	49440	1.1	6	54	48620
23 145	.9	2690	7	8	81	.4	1	24580	.4	2	13	11400
23 146	.6	6490	4	10	59	.6	1	15400	.5	2	6	18230
23 147	.7	3310	6	9	80	.4	1	22650	.4	3	7	12100
23 148	.3	5920	7	13	67	.6	1	4530	.5	1	16	16190
23 149	2.8	15450	14	28	17	1.7	3	14840	.5	60	858	57000
23 150	.9	19190	16	33	84	1.3	1	37710	.7	13	16	39160
20 993	.8	24060	13	30	27	1.3	1	12300	.4	14	70	38170
20 994	2.0	23630	13	33	17	1.3	8	12900	1.1	10	21	38050
20 995	1.5	28160	15	37	28	1.6	8	7570	.5	13	26	50080
HERB 504	2.3	20460	8	29	35	1.6	8	12680	.5	12	85	49100
HERB 505	2.0	23820	7	33	55	1.6	4	20320	1.0	11	26	51200
HERB 506	.8	5610	6	9	55	.8	1	18980	.2	2	17	24710
HERB 507	1.6	22620	15	30	62	1.5	8	3730	1.1	16	45	49390
HERB 508	2.0	24210	29	35	39	1.8	7	6400	1.3	17	46	54710
HERB 509	2.2	21040	11	26	30	1.4	4	35490	.5	12	93	44130
HERB 510	1.1	11460	3	12	23	.5	3	21640	.5	6	22	12620
HERB 511	1.0	5370	4	7	25	.4	1	36420	.4	2	8	12210

COMPANY: MPH CONSULTANTS | MIN-EN LABS ICP REPORT | (ACT:F31) PAGE 2 OF 2
PROJECT NO: V 261 | 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 | FILE NO: 7-1058R/P
ATTENTION: D.HAWKINS/T.HAYES | (604)980-5814 OR (604)988-4524 | * TYPE ROCK GEOCHEM * | DATE: DEC 28, 1987

(VALUES IN PPM)	U	V	ZN	GA	SN	W	CR	AU-PPB
23 115	1	25.2	49	1	1	1	178	8
23 116	1	59.2	44	2	1	1	128	4
23 117	1	17.9	13	1	1	1	27	2
23 118	1	42.1	30	1	1	1	125	7
23 119	1	69.2	45	1	1	2	135	3
23 120	1	40.0	47	2	1	1	123	3
23 121	1	50.5	56	1	1	1	72	11
23 122	1	61.1	30	2	1	1	19	4
23 123	1	51.6	112	2	1	1	122	6
23 124	1	92.1	95	1	1	1	103	3
23 125	1	104.7	43	1	1	2	58	7
23 126	1	65.3	75	1	1	1	78	9
23 127	1	20.4	41	1	1	1	156	6
23 128	1	114.5	77	1	1	3	60	17
23 129	1	105.0	59	1	1	4	767	3
23 130	1	115.2	61	1	1	3	712	9
23 131	1	30.1	20	1	1	2	232	14
23 132	2	17.3	15	1	1	1	507	11
23 133	1	38.7	23	1	1	1	253	12
23 134	1	78.3	43	1	2	1	109	12
23 135	1	75.2	73	1	1	2	102	9
23 136	1	103.3	77	1	1	2	52	13
23 137	1	130.1	52	1	1	1	113	12
HERB 500	1	57.9	53	1	1	1	77	10
HERB 501	1	156.0	113	1	2	2	51	11
HERB 502	1	99.5	99	1	1	1	529	15
20 990	1	18.4	18	1	1	1	682	126
20 991	1	89.4	103	1	1	2	497	3

(VALUES IN PPM)	K	LI	MG	MN	MO	NA	NI	P	PB	SB	SR	TH
23 138	1320	11	8720	664	1	570	4	1960	12	3	6	1
23 139	170	5	6510	380	1	270	15	730	6	2	4	1
23 140	3930	4	11280	1010	1	180	7	2640	12	2	68	1
23 141	2270	9	15070	1049	1	620	8	3600	12	2	39	1
23 142	2700	1	1810	322	1	460	2	770	6	2	7	1
20 992	970	3	12210	696	1	70	16	470	8	1	84	1
23 143	1210	2	2590	324	1	50	6	350	6	1	21	1
23 144	3040	2	13690	1326	1	100	10	2670	10	1	92	1
23 145	1790	1	3290	438	1	70	4	500	8	4	66	1
23 146	1990	3	5270	487	1	370	8	1150	7	1	27	1
23 147	2180	1	1710	416	1	130	3	840	7	1	51	1
23 148	2960	1	1190	291	1	300	2	580	6	2	6	1
23 149	210	1	9120	421	1	110	52	1000	9	4	88	1
23 150	3100	13	31440	1740	1	100	61	630	6	2	47	2
20 993	500	5	22130	596	1	620	16	540	8	4	4	2
20 994	170	8	18240	693	1	50	11	3090	9	4	146	2
20 995	470	11	23260	949	1	480	11	1610	14	5	11	2
HERB 504	570	6	12890	900	1	680	5	3560	8	3	2	1
HERB 505	1270	9	19060	1010	1	540	6	4270	8	3	23	1
HERB 506	1760	1	4910	772	1	480	3	2030	9	2	15	1
HERB 507	1150	9	21280	776	1	50	38	700	30	4	1	2
HERB 508	1640	9	19910	1064	1	190	28	1170	16	4	13	2
HERB 509	1090	9	16860	938	1	240	15	1500	6	3	6	1
HERB 510	430	3	6770	253	1	450	6	910	7	1	67	1
HERB 511	2110	2	2830	372	2	100	7	500	6	1	3	1

(VALUES IN PPM)	U	V	ZN	GA	SN	W	CR	AU-PPB
23 138	1	22.8	54	1	1	1	49	3
23 139	1	57.1	32	1	1	2	128	5
23 140	1	39.9	51	1	1	1	31	4
23 141	1	105.3	65	1	1	1	9	7
23 142	1	6.8	27	1	1	1	105	3
20 992	1	33.9	21	1	1	1	92	10
23 143	1	8.6	19	1	1	1	173	580
23 144	1	18.2	43	1	1	1	4	490
23 145	1	5.6	23	1	1	28	96	28
23 146	1	9.1	36	1	1	1	48	8
23 147	1	3.7	9	1	1	1	73	46
23 148	1	1.6	25	1	1	1	62	175
23 149	1	54.5	38	1	2	3	91	14
23 150	1	37.4	74	1	1	2	55	10
20 993	1	118.7	26	1	1	3	21	8
20 994	1	65.4	52	1	2	2	46	7
20 995	1	101.3	61	1	2	2	3	10
HERB 504	1	82.5	93	1	2	1	5	4
HERB 505	1	81.6	75	1	2	2	6	8
HERB 506	1	9.5	47	1	1	1	43	14
HERB 507	1	109.4	126	1	2	2	89	23
HERB 508	1	105.0	65	1	1	3	39	250
HERB 509	1	102.5	51	1	2	3	29	15
HERB 510	1	26.3	19	1	1	1	56	3
HERB 511	1	16.8	13	1	1	1	104	25

ICP-ES LABS ICP REPORT

PROJECT NO: [illegible] 261 | FILE NO: 8-069/P1

ATTENTION: C.MARS | 745 WEST 15TH ST., NORTH VANCOUVER, B.C. V7P 1T2 | (604)980-5814 OR (604)988-4524 | * TYPE ROCK GEOCHEM * | DATE:JAN 27, 1989

(VALUES IN PPM)	AG	AL	AS	B	BA	BE	BI	CA	CD	CO	CU	FE	K
18501	2.3	37360	21	50	51	1.5	9	38280	.5	15	56	44750	560
18502	3.2	34490	20	46	35	1.3	12	36580	1.1	19	123	40760	210
18503	1.5	11350	18	18	59	1.0	3	11010	68.2	8	105	30620	2220
18504	2.1	4530	13	6	28	.5	1	1010	1.5	2	82	13920	1190
18505	2.8	6470	10	16	50	1.3	3	180100	1.2	4	13	43170	1020
18506	2.4	40340	11	53	35	1.4	12	73140	1.0	15	38	41810	100
18507	1.5	11060	10	28	39	.9	1	54240	1.2	5	46	29960	1410
18508	2.0	23880	1	33	52	1.5	14	27120	.8	10	15	45110	1900
18509	2.1	21320	20	31	35	1.6	13	9980	.5	12	30	49640	1190
18510	.6	12600	16	21	41	.8	7	2840	1.3	7	33	25890	1590
18511	.7	19300	8	33	158	1.1	2	18760	.9	9	43	33130	4120
18512	.7	1360	18	3	19	.3	1	5670	.7	1	6	6760	530
18513	1.0	8540	7	21	98	.8	1	16810	.4	2	13	22000	4230
18514	.9	9650	4	29	116	.8	2	7970	.5	1	10	20280	4480

MIN-EN LABS ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

(VALUES IN PPM)	LI	MG	MN	MO	NA	NI	P	PB	SB	SR	TH	U	V
18501	5	17490	639	2	460	10	2570	32	1	1	1	1	124.0
18502	5	17050	649	1	690	14	1040	30	2	47	1	1	125.3
18503	2	6870	469	2	210	1	1200	153	3	7	1	1	49.1
18504	1	1910	221	1	230	1	510	56	1	2	1	1	5.9
18505	1	22690	2952	2	80	4	790	25	3	201	1	1	33.8
18506	6	18190	831	1	110	1	2010	20	4	90	1	1	132.7
18507	1	15230	1226	2	320	9	1250	20	2	61	1	1	25.3
18508	8	18110	866	2	470	1	4700	28	3	9	1	1	51.6
18509	4	12800	852	1	450	2	1660	34	3	47	1	1	108.1
18510	5	9230	348	1	40	7	540	18	2	4	1	1	50.2
18511	6	14290	616	2	130	15	1340	33	3	10	1	1	40.2
18512	1	720	144	1	20	3	270	5	1	18	1	1	4.4
18513	1	4100	587	1	500	1	1290	12	2	26	1	1	6.6
18514	1	1610	598	1	580	1	540	7	3	30	1	1	2.9

COMPANY: MPH CONSULTING | MIN-EN LABS ICP REPORT | (ACT:F31) PAGE 3 OF 3

PROJECT NO: V 261 | 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 | FILE NO: 8-069/P1

ATTENTION: C.NAAS | (604)980-5814 OR (604)988-4524 | * TYPE ROCK GEOCHEM * | DATE:JAN 27, 1988

(VALUES IN PPM)	ZN	GA	SN	W	CR	AU-PPB
18501	73	1	2	2	105	3
18502	74	1	4	1	86	2
18503	2634	1	2	1	155	1000
18504	97	1	1	1	192	4000
18505	37	1	1	2	39	15
18506	69	1	3	1	55	6
18507	45	1	1	1	72	133
18508	69	1	2	2	51	4
18509	80	1	3	3	119	160
18510	49	1	1	2	249	5
18511	85	1	1	2	129	123
18512	12	1	1	1	302	98
18513	38	1	1	1	87	24
18514	36	1	1	2	132	26

COMPANY: MPH CONSULTING — MIN-EN LABS ICP REPORT — (ACT:F31) PAGE 1 OF 3

PROJECT NO: V261 — 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 — FILE NO: 8-252

ATTENTION: G.HAWKINS/T.HAYES/C.MAAS — (604)980-5814 OR (604)988-4524 — * TYPE ROCK GEOCHEM * — DATE:MAR 2, 1988

(VALUES IN PPM)	AG	AL	AS	B	BA	BE	BI	CA	CD	CO	CU	FE	K
18516	2.4	7030	1	37	110	.8	2	19270	.1	4	30	21300	2810
18517	2.6	23410	6	43	63	1.2	6	18770	1.5	11	65	36010	1390
18518	.5	10130	6	38	144	.5	1	2810	.1	4	36	15210	3750
18519	1.0	4730	2	21	79	.7	1	18040	.1	4	39	19340	2910
18520	.9	7630	7	27	119	.8	2	20720	.1	3	43	21000	4450
18521	1.2	8460	1	27	114	.8	1	28820	.6	5	73	26800	4280
18522	1.6	10140	7	27	118	.5	4	47500	.1	4	27	13960	3180
18523	.7	4390	8	11	24	.3	2	2280	.1	2	5	8930	960
18525	1.2	12370	12	23	83	1.2	9	3240	1.5	10	12	35620	3340
18526	2.4	23220	17	37	81	1.8	14	6360	1.7	15	73	55800	2740
18527	1.5	14460	15	27	94	1.3	8	3200	1.9	12	13	42240	3550
18528	2.4	25850	13	38	75	1.9	15	7740	1.2	15	74	59620	1910
18529	1.0	10770	2	21	56	.9	2	5070	.1	6	277	26430	2300
18530	1.9	14580	4	25	61	1.0	12	11310	1.1	5	10	30820	3440
18531	1.4	13970	9	25	70	1.2	9	4520	.1	5	10	37430	3090
18532	1.8	4410	12	27	43	.4	2	2840	.3	3	13	12890	1750
18533	1.8	12750	9	28	55	.9	6	10810	.7	3	14	26700	3330
18534	1.9	14260	11	29	76	1.2	9	8950	1.2	11	14	35330	3170
18535	1.6	13780	3	27	58	1.0	5	19320	.2	4	23	29350	3040
18536	1.0	4630	13	15	32	.9	4	1170	.5	8	24	30510	1440
18515	2.8	25170	7	41	79	1.6	14	16320	.5	12	46	49080	1920
18524	1.4	11010	9	26	147	.8	5	16760	.1	5	12	22510	2820
18537	1.9	25270	5	38	53	1.0	7	17380	.8	10	53	29190	1370
18538	.8	8430	4	17	49	.6	4	5700	.5	3	7	12790	1450
18539	1.1	23560	12	34	51	1.1	6	8520	1.1	16	27	31830	1200
18540	1.7	30420	18	42	24	1.3	9	17160	1.0	20	26	38610	440
18541	1.4	17150	1	27	93	.7	7	10840	.2	7	14	18600	1310

(VALUES IN PPM)	LI	MG	MN	MO	NA	NI	P	PB	SB	SR	TH	U	V
18516	14	5920	769	6	790	1	1470	40	1	49	1	1	7.1
18517	18	17490	1185	1	1750	3	1570	38	1	35	1	1	74.2
18518	7	4340	508	1	530	1	690	27	1	11	1	1	15.2
18519	3	5000	794	1	500	2	950	19	1	48	1	1	6.3
18520	3	4920	883	1	920	1	1040	17	1	63	1	1	8.3
18521	3	7860	754	1	320	1	1630	17	2	71	1	1	11.0
18522	3	5380	390	1	370	1	670	13	1	4	1	1	22.0
18523	2	3120	139	1	60	1	110	8	1	7	1	1	9.4
18525	4	6500	511	1	100	1	1210	18	1	12	1	1	43.4
18526	6	14940	914	1	440	4	2010	33	1	17	1	1	135.1
18527	4	7480	598	1	150	3	1330	22	1	11	1	1	54.2
18528	7	18260	1050	1	760	2	2540	27	1	31	1	1	156.1
18529	4	6450	477	1	330	1	2410	23	1	10	1	1	20.9
18530	3	7520	874	1	570	1	2030	19	1	10	1	1	9.9
18531	3	6100	671	2	780	2	1730	29	1	13	1	1	9.5
18532	11	2050	268	2	210	1	540	46	1	11	1	1	5.7
18533	7	5910	651	1	730	1	1810	28	2	14	1	1	6.8
18534	6	7740	597	2	270	2	1400	53	1	17	1	1	52.6
18535	5	6690	851	1	760	2	1790	19	1	11	1	1	8.9
18536	6	2540	200	5	60	2	530	31	1	8	1	1	16.9
18515	6	11690	891	1	1330	1	4890	22	1	34	1	1	49.8
18524	3	6070	594	1	830	1	1970	18	1	56	1	1	17.6
18537	7	9020	336	1	3520	2	2570	20	1	89	1	1	103.5
18538	4	3750	372	1	1260	1	730	12	1	22	1	1	13.7
18539	7	24280	561	1	790	14	860	27	2	22	1	1	71.2
18540	19	31160	809	1	880	65	1610	26	1	48	1	1	85.3
18541	3	8750	263	1	1310	1	970	19	1	40	1	1	30.5

(VALUES IN PPM)	ZN	BA	SN	W	CR	AU-PPB
18516	61	1	1	1	84	24
18517	100	1	1	1	55	6
18518	31	1	1	1	103	8
18519	45	1	1	1	78	300
18520	51	1	1	1	93	188
18521	81	1	1	1	43	12
18522	32	1	1	1	85	4
18523	16	1	1	1	162	4
18525	48	1	1	1	131	54
18526	94	1	1	1	54	30
18527	56	1	1	1	120	77
18528	93	1	1	1	44	6
18529	54	1	1	1	134	136
18530	74	1	1	1	59	8
18531	77	1	1	1	87	14
18532	45	1	1	1	209	226
18533	89	1	1	1	107	161
18534	76	1	1	1	146	310
18535	76	1	1	1	100	16
18536	35	1	1	1	145	53
18515	94	1	1	1	66	4
18524	48	1	1	1	86	3
18537	57	1	1	1	63	9
18538	35	1	1	1	142	5
18539	55	1	1	1	84	13
18540	90	1	1	1	187	6
18541	39	1	1	1	147	11

COMPANY: MPH CONSULTING | XIN-EN LABS ICP REPORT | (ACT:F31) PAGE 1 OF 2

PROJECT NO: V 261 | 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 | FILE NO: 8-230

ATTENTION: G.HAWKINS/T.HAYES/G.LORENZETTI (604)980-5814 OR (604)988-4524 * TYPE ROCK GEOCHEM * DATE:FEB 26, 1988

(VALUES IN PPM)	AG	AL	AS	B	BA	BE	BI	CA	CD	CO	CU	FE
19 185	5.3	18990	20	48	50	1.6	3	9980	31.7	15	136	49420
19 186	3.2	12920	19	32	83	1.3	5	10000	3.5	10	22	40860
19 187	3.2	17690	17	33	101	1.4	7	5300	2.7	12	65	42710
19 189	1.4	9180	15	22	95	.7	4	2400	1.9	5	16	23630
19 189	.9	9280	9	22	108	.7	2	2680	.1	4	7	18770
19 190	2.8	8090	19	24	111	1.6	3	50970	1.8	8	42	47510
19 191	1.8	4970	118	12	97	1.2	2	19400	4.9	7	53	36360
19 192	2.1	14040	14	25	138	1.5	4	28840	3.0	8	59	45710
19 193	1.7	8110	14	16	123	.9	2	24550	.4	2	82	27400
19 194	2.7	23690	13	42	160	1.7	7	26300	2.5	11	64	51810
19 195	2.6	20160	10	48	425	1.4	3	66210	.3	8	60	41650
19 196	6.7	19170	9	32	34	1.3	35	28950	1.7	23	134	43840
19 197	1.8	8890	21	22	111	.9	4	31230	2.6	3	11	27120
19 198	1.3	11520	16	28	104	.8	2	17010	1.1	3	11	21920
19 199	.8	11560	7	24	88	.7	4	11000	.3	3	6	18250
19 200	.6	5360	19	10	47	.4	3	5100	.2	2	7	13520

(VALUES IN PPM)	K	LI	MG	MN	MO	NA	NI	P	PB	SB	SR	TH
19 185	1960	11	18970	737	2	80	22	920	2956	1	36	1
19 186	3300	1	3880	577	2	180	1	1800	123	1	25	1
19 187	3650	1	10020	923	2	90	3	2260	67	1	23	1
19 188	3950	1	3450	366	1	80	2	1150	32	1	11	1
19 189	4640	1	3340	266	1	60	1	630	29	1	11	1
19 190	4930	1	17510	1262	1	120	3	2060	35	2	178	1
19 191	2770	1	5570	1697	1	70	2	1010	27	1	66	1
19 192	3940	1	11980	1049	1	550	1	2700	31	1	92	1
19 193	3870	1	6970	788	1	510	1	1530	18	1	78	1
19 194	5040	1	11920	1351	1	690	1	2550	40	3	81	1
19 195	7720	1	4590	1215	1	170	2	2640	18	3	64	1
19 196	620	1	8530	908	1	710	8	1480	24	1	144	1
19 197	4860	1	6870	821	1	300	1	1420	17	1	88	1
19 198	3710	1	7080	571	1	210	1	850	11	1	66	1
19 199	4020	1	6250	467	1	540	1	1000	17	1	32	1
19 200	1570	1	3660	351	1	80	4	740	7	1	30	1

COMPANY: MPH CONSULTING
PROJECT NO: V 261
ATTENTION: G.HAWKINS/T.HAYES/G.LORENZETTI

MIN-EN LABS ICP REPORT
705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

(ACT:F31) PAGE 3 OF 3
FILE NO: 8-230
* TYPE ROCK GEOCHEM * DATE:FEB 26, 1988

/VALUES IN PPM /	U	V	ZN	GA	SN	W	CR	AU-PPB
19 185	1	71.6	2330	1	1	1	163	515
19 186	1	29.6	162	1	1	1	140	103
19 187	1	39.2	148	1	1	1	106	178
19 188	1	10.3	59	1	1	1	254	27
19 189	1	9.4	59	1	1	1	234	8
19 190	1	27.4	73	1	1	1	89	215
19 191	1	16.1	66	1	1	1	195	1800
19 192	1	45.8	86	1	1	1	108	29
19 193	1	9.3	54	1	1	1	99	163
19 194	1	84.2	92	1	1	1	87	17
19 195	1	33.4	57	1	1	1	32	9
19 196	1	154.3	52	1	2	1	111	1
19 197	1	15.2	40	1	1	1	106	302
19 198	1	13.2	46	1	1	1	309	27
19 199	1	11.9	42	1	1	1	133	4
19 200	1	9.8	31	1	1	1	420	65

MIN-EN Laboratories Ltd.
Specialists in Mineral Environments
705 WEST 15th STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2

PHONE: (604) 980-5814 OR (604) 988-4524 TELEX: 04-352828

CERTIFICATE OF ASSAY

COMPANY: MPH CONSULTING
PROJECT: V261
ATTENTION: G.HAWKINS/T.HAYES/C.NAAS

FILE: 8-252/P1
DATE: MAR 3, 1988
TYPE: TYPE ROCK GEOCHEM

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

SAMPLE NUMBER	AL2O3 (%)	BA (%)	CAO (%)	FE2O3 (%)	K2O (%)
18515	18.60	.067	4.05	8.75	1.48
18524	15.29	.058	2.97	3.99	2.21
18537	17.44	.030	8.87	11.30	.96
18538	14.34	.070	1.83	2.11	2.27
18539	16.76	.051	6.47	9.71	1.34
18540	16.58	.019	9.21	10.81	.47
18541	15.08	.051	3.14	3.44	1.06

Certified by _____

MIN-EN LABORATORIES LTD.

RECEIVED MAR 8 - 1988

MIN-EN Laboratories Ltd.
Specialists in Mineral Environments
705 WEST 15th STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2

PHONE: (604)980-5814 OR (604)988-4524 TELEX: 04-352828

CERTIFICATE OF ASSAY

COMPANY: MPH CONSULTING
PROJECT: V261
ATTENTION: G.HAWKINS/T.HAYES/C.NAAS

FILE: 8-252/P2
DATE: MAR 3, 1988
TYPE: TYPE ROCK GEOCHEM

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

SAMPLE NUMBER	MGO (%)	MNO2 (%)	NA2O (%)	LOI (%)	S (%)
18515	1.96	.23	4.72	1.70	.02
18524	1.02	.13	3.34	.60	.05
18537	4.91	.39	2.47	.90	.04
18538	.58	.09	4.14	1.50	.01
18539	9.31	.28	2.54	2.10	.01
18540	8.64	.35	2.20	2.20	.54
18541	1.35	.06	4.04	.30	.05

Certified by _____

MIN-EN LABORATORIES LTD.

MIN-EN Laboratories Ltd.
Specialists in Mineral Environments
705 WEST 15th STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2

PHONE: (604)980-5814 OR (604)988-4524 TELEX: 04-352828

CERTIFICATE OF ASSAY

COMPANY: MPH CONSULTING
PROJECT: V261
ATTENTION: G.HAWKINS/T.HAYES/C.NAAS

FILE: 8-252/P3
DATE: MAR 3, 1988
TYPE: TYPE ROCK GEOCHEM

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

SAMPLE NUMBER	SIO2 (%)	SR (%)	TIO2 (%)
18515	54.49	.04	1.10
18524	66.90	.03	.49
18537	49.02	.04	1.15
18538	70.46	.03	.25
18539	48.37	.03	.64
18540	45.32	.04	.91
18541	68.41	.03	.41

Certified by Eric Nash

MIN-EN LABORATORIES LTD.

(VALUES IN PPM)	AG	AL	AS	B	BA	BE	BI	CA	CD	CO	CU	FE	K
L3E 050N	2.2	31450	14	32	21	2.3	3	2750	1.1	15	40	75520	150
L3E 025N	1.4	28740	7	24	17	1.3	1	6680	.7	14	76	39180	210
L3E 000S	2.0	30180	7	25	21	1.8	6	4060	.7	14	49	55400	230
L3E 025S	1.7	32650	7	29	23	1.7	4	3440	1.1	14	29	53040	270
L3E 050S	2.1	17160	5	10	27	1.5	8	2640	.8	11	18	48090	210
L3E 075S	1.3	20560	9	14	20	1.1	2	8920	.8	14	50	32930	280
L3E 100S	1.1	38900	5	34	19	1.9	1	1700	.8	13	31	59310	220
L3E 125S	1.4	25240	10	20	18	1.8	5	2180	1.0	12	21	60620	180
L3E 150S	.8	33490	6	27	16	1.3	1	2410	.8	10	35	42580	220
L3E 175S	1.0	34170	5	29	20	1.7	1	1700	.9	12	28	55560	160
L3E 200S	.8	13960	3	4	17	.8	1	2410	.7	12	14	26750	320
L3E 225S 40M	.7	20580	8	11	15	.9	1	4400	.7	11	25	27570	200
L3E 250S	1.6	20990	3	15	20	1.7	8	4480	.7	13	20	55970	380
L3E 275S	1.4	14220	4	6	18	1.3	8	2290	.7	10	11	42370	320
L2E 075N	2.3	14330	5	6	16	1.6	16	1910	.7	13	19	52190	130
L2E 050N	1.8	47570	8	45	30	1.8	1	3320	.9	24	55	55230	270
L2E 025N	1.0	23760	10	17	20	1.1	3	8940	.7	14	54	34260	300
L2E 000N	1.0	28610	7	23	19	1.3	1	6490	.9	14	61	38310	280
L2E 025S	1.0	38010	8	32	20	1.4	2	4610	.9	13	76	43460	310
L2E 050S	1.2	40950	6	36	20	1.8	2	2050	.9	11	51	54120	190
L2E 075S	.8	27740	6	21	21	1.3	2	4230	.8	12	65	39740	310
L2E 100S	.9	32480	4	26	19	1.5	1	2960	1.0	11	41	47180	330
L2E 125S	1.4	39270	10	33	22	1.4	1	3360	.8	12	42	46510	170
L2E 150S	1.4	21090	2	16	21	1.8	4	2110	.9	11	16	57430	270
L2E 175S	1.7	40040	5	38	24	2.2	1	2790	1.1	13	34	69820	260
L2E 200S 40M	1.6	15530	5	8	18	.8	6	4110	.7	11	22	25290	530
L1E 100N	.7	27080	7	23	33	1.5	1	4260	.7	12	51	47000	530
L1E 075N	1.7	28360	2	26	23	2.7	1	990	.7	13	27	87980	180
L1E 050N	.4	23400	5	16	28	1.5	1	2510	1.0	11	52	46090	290
L1E 025N	.9	32880	5	28	23	1.6	1	2130	.7	11	51	49500	270
L1E 025S	.7	23420	4	27	48	1.4	9	8390	1.7	13	57	40780	730
L1E 050S	.7	25290	9	24	47	1.5	9	6740	1.6	14	53	42570	620
L1E 075S 40M	.4	16450	2	13	27	1.1	9	3970	1.4	12	34	35110	460
L1E 100S	1.4	26840	7	26	23	1.8	16	1300	.4	13	37	57360	190
L1E 125S	.9	25750	9	26	33	1.5	14	2660	1.2	33	29	45820	690
L1E 150S	.9	26900	10	25	26	1.5	12	1830	.4	16	29	48010	460
L1E 175S	.5	18130	4	16	33	1.0	7	3870	1.1	7	28	29640	830
L1E 200S	1.5	24760	2	25	26	1.9	22	2200	.8	9	34	60810	470
L1E 225S 40M	.5	22730	6	22	26	1.3	13	2960	.9	10	38	42160	900

(VALUES IN PPM)	LI	MG	MN	MO	NA	NI	P	PB	SB	SR	TH	U	V
L3E 050N	5	4620	169	1	70	4	1400	15	3	9	1	1	220.9
L3E 025N	5	7750	494	1	150	6	1720	18	3	14	1	1	122.8
L3E 000S	5	4270	326	1	110	2	1320	8	2	22	1	1	179.2
L3E 025S	9	4020	333	1	110	3	1470	11	5	17	1	1	129.0
L3E 050S	2	1900	132	1	110	1	1000	10	2	17	1	1	162.4
L3E 075S	4	8020	462	1	260	5	990	11	1	28	1	1	97.6
L3E 100S	6	3270	181	1	100	2	1520	11	4	5	1	1	102.6
L3E 125S	3	2920	169	1	90	1	1340	5	2	9	1	1	146.7
L3E 150S	6	4690	184	1	120	2	1150	10	5	11	1	1	91.9
L3E 175S	6	4240	203	1	80	2	1260	12	4	7	1	1	107.9
L3E 200S	3	3020	507	1	140	1	1160	10	1	13	1	1	72.0
L3E 225S 40M	4	6730	700	1	160	7	1020	12	2	18	1	1	78.5
L3E 250S	3	4770	245	1	140	1	860	10	1	27	1	1	144.3
L3E 275S	1	1900	234	1	130	1	780	13	1	17	1	1	156.9
L2E 075N	1	1650	123	1	130	1	710	7	1	14	1	1	240.3
L2E 050N	12	4790	1041	1	120	1	2050	20	7	11	1	1	133.6
L2E 025N	4	8870	698	1	200	9	1460	17	1	23	1	1	101.7
L2E 000N	5	8160	600	1	180	6	1720	19	2	17	1	1	108.4
L2E 025S	5	6900	565	1	180	2	2330	17	4	12	1	1	107.6
L2E 050S	5	3870	218	1	110	1	1750	11	5	6	1	1	122.4
L2E 075S	5	6710	559	1	170	2	1840	15	2	12	1	1	101.0
L2E 100S	5	5190	510	1	130	3	1740	16	3	10	1	1	116.4
L2E 125S	5	4550	303	1	120	2	1440	13	4	14	1	1	125.1
L2E 150S	2	2040	176	1	100	1	1430	10	2	12	1	1	145.6
L2E 175S	5	3220	191	1	90	1	1700	13	3	14	1	1	149.0
L2E 200S 40M	1	2010	146	1	110	1	1260	15	1	36	1	1	190.0
L1E 100N	5	7450	578	1	110	2	1570	18	3	14	1	1	108.2
L1E 075N	2	3200	88	1	60	1	1550	11	2	5	1	1	219.3
L1E 050N	4	6170	513	1	90	2	1480	10	2	6	1	1	117.3
L1E 025N	5	5280	545	1	90	2	1950	13	3	6	1	1	123.9
L1E 025S	5	13090	1143	1	190	12	2070	27	2	20	1	2	87.8
L1E 050S	5	12040	1334	1	140	5	1780	25	1	19	1	2	91.4
L1E 075S 40M	4	6910	1343	1	90	3	1600	19	2	12	1	1	76.9
L1E 100S	5	1910	689	1	80	1	1550	20	3	6	1	1	166.5
L1E 125S	5	5660	1663	1	110	2	1690	20	2	16	1	1	109.6
L1E 150S	5	3000	912	1	110	1	1250	15	3	13	1	1	134.7
L1E 175S	4	8720	431	1	170	3	1680	21	3	12	1	1	70.8
L1E 200S	5	6130	348	1	100	1	1430	16	3	18	1	1	152.7
L1E 225S 40M	4	8160	436	1	150	1	1560	20	3	11	1	1	84.7

COMPANY: MPH CONSULTANTS | MIN-EN LABS ICP REPORT | (ACT:F31) PAGE 3 OF 3

PROJECT NO: V 261 | 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 | FILE NO: 7-2032/P3+4

ATTENTION: G.HAWKINS/T.HAYES | (604)980-5814 OR (604)988-4524 | * TYPE SOIL GEOCHEM * | DATE:DEC 15, 1987

(VALUES IN PPM)	ZN	GA	SN	W	CR	AU-PPB
L3E 050N	28	1	1	2	58	5
L3E 025N	31	1	1	1	28	10
L3E 000S	27	1	2	2	45	5
L3E 025S	30	1	1	2	38	5
L3E 050S	15	1	1	1	25	5
L3E 075S	30	1	1	2	16	5
L3E 100S	24	1	1	3	34	5
L3E 125S	19	1	1	2	35	5
L3E 150S	25	1	1	3	28	5
L3E 175S	26	1	1	4	36	5
L3E 200S	18	1	1	1	19	5
L3E 225S 40M	29	1	1	3	18	5
L3E 250S	23	1	1	2	35	5
L3E 275S	19	1	1	2	36	5
L2E 075N	12	1	2	1	26	10
L2E 050N	44	1	1	8	37	5
L2E 025N	34	1	1	3	21	5
L2E 000N	32	1	1	4	21	10
L2E 025S	34	1	1	5	18	5
L2E 050S	24	1	1	4	23	5
L2E 075S	33	1	1	4	15	5
L2E 100S	30	1	1	4	18	5
L2E 125S	25	1	2	1	35	5
L2E 150S	16	1	1	4	29	10
L2E 175S	23	1	1	6	39	5
L2E 200S 40M	13	1	2	1	24	5
L1E 100N	46	2	1	3	15	5
L1E 075N	21	1	1	1	24	5
L1E 050N	34	2	1	2	16	5
L1E 025N	33	2	1	3	19	5
L1E 025S	69	1	1	1	14	5
L1E 050S	62	1	1	3	14	5
L1E 075S 40M	39	1	1	2	10	5
L1E 100S	19	1	1	3	17	5
L1E 125S	42	1	1	2	14	10
L1E 150S	29	1	1	2	14	5
L1E 175S	50	1	1	1	10	5
L1E 200S	38	1	1	1	19	10
L1E 225S 40M	51	1	1	1	9	15

COMPANY: MPH CONSULTANTS — XIN-EN LABS ICP REPORT — ACTIVITY: PAGE 1 OF 2

PROJECT NO: V 261 — 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 — FILE NO: 7-2032/81+2

ATTENTION: G.HAWKINS/T.HAYES — (604)980-5814 OR (604)986-4524 — + TYPE SOIL GEOCHEM + — DATE:DEC 15, 1987

(VALUES IN PPM)

		AG	AL	AS	B	BA	BE	BI	CA	CD	CO	CU	FE	%
L1W 000N		.5	20930	5	20	37	1.2	1	7770	.8	15	96	35250	170
L1W 025N		2.7	15740	7	10	22	2.2	7	1870	.9	16	24	72100	140
L1W 050N		1.5	29690	10	25	25	1.9	3	2110	.7	12	38	56900	190
L1W 075N		.7	19480	6	13	37	1.1	1	8510	.9	13	39	32640	220
L1W 100N		2.1	10610	4	4	16	2.1	12	1670	.7	14	14	67900	160
L0 000S		.3	25170	5	21	43	1.4	1	5310	.8	15	52	41750	510
L0 025S		1.0	39990	9	35	16	1.4	2	860	1.0	9	31	44640	140
L0 050S		1.0	24910	7	17	16	1.2	4	1030	.7	11	23	39550	150
L0 075S		.7	14770	5	6	16	1.1	3	1190	.7	9	13	35630	250
L0 100S		.3	19770	5	9	11	.6	3	1740	.7	6	16	19390	270
L0 125S		1.0	15420	4	8	24	1.5	3	1940	.9	19	16	50380	340
L0 150S		1.2	25230	8	19	23	1.5	5	1720	.8	12	19	51200	250
L0 175S		1.4	31650	7	27	31	1.7	2	1950	.7	36	31	52900	280
L0 200S		.7	20430	8	11	20	1.1	2	1150	.9	21	15	34460	280
L0 025N		.3	20070	5	14	31	1.3	1	3070	.7	12	36	40110	420
L0 050N		.3	22840	5	21	47	1.4	2	6810	.8	17	72	43890	390
L0 075N		.2	17890	6	12	31	1.1	2	3760	.7	11	31	35320	470
L0 100N		.9	28820	4	24	52	1.8	3	2270	.7	12	62	57740	350
L0 125N		.3	25160	6	21	34	1.4	1	6250	.7	14	56	41710	420
L4E 100N		1.3	30220	15	28	35	2.3	3	4770	.7	19	108	75720	340
L4E 075N		1.3	47520	11	46	25	2.2	4	1870	.7	14	36	70310	210
L4E 050N		1.1	29320	10	24	25	1.7	3	2080	.9	15	34	52740	260
L4E 025N		1.1	30040	8	24	19	1.4	1	1620	.9	15	41	44440	170
L4E 000S		1.1	33410	11	26	15	1.2	4	2140	.7	11	72	40830	150
L4E 050S		1.9	19040	6	15	20	2.5	12	1280	.7	14	19	35590	440
L4E 075S		1.6	30560	10	25	25	1.9	8	2040	1.0	14	23	61220	280
L4E 100S		1.4	37180	11	30	22	1.2	6	2910	.8	11	27	37100	240
L4E 125S		1.3	31700	12	24	28	1.5	5	2130	.7	21	25	45620	240
L4E 150S		1.3	29790	5	23	22	1.5	3	1600	.7	12	22	50930	230
L4E 175S		1.5	22090	6	15	15	1.7	7	1330	.9	16	20	58490	290
L4E 200S		1.2	18260	8	11	19	1.3	7	1490	.7	10	15	42410	200
L4E 300S		1.3	37470	13	32	23	1.4	3	2600	.9	16	47	44710	240
L6E 075N		2.3	16870	3	12	16	2.3	17	2120	.7	15	19	77520	200
L6E 050N		1.6	21990	9	16	35	1.3	10	3450	.9	11	32	41250	250
L6E 025N		.9	29520	3	24	38	1.3	1	4560	.8	14	67	38900	400
L6E 000N		2.0	29350	6	24	22	2.2	9	1720	.7	14	27	74770	200
L6E 025S		2.2	14430	8	7	16	1.9	17	1870	1.0	14	17	64020	110
L6E 050S		1.4	14000	9	8	16	1.6	15	1490	1.0	10	13	53560	190
L6E 075S		.6	26040	8	19	21	1.5	1	2480	1.0	8	12	47600	160
L6E 100S		1.0	26560	10	19	21	1.4	3	1940	.9	11	21	43800	230
L6E 125S		.4	31920	9	28	50	1.3	1	7250	.7	17	19	36850	330
L6E 150S		1.4	14410	4	5	19	1.5	8	2190	.9	10	13	48540	330
L6E 175S		.9	20430	7	12	19	1.4	3	1560	.7	9	16	44140	200
L6E 200S		1.7	14580	7	4	16	1.1	11	2300	.7	9	11	35080	280
L6E 225S		1.6	20960	5	14	22	1.7	7	2330	1.0	12	23	37490	280
L5E 050N	40M	.5	24670	9	16	38	1.2	1	3910	.9	15	33	36110	400
L5E 025N		.5	23990	10	16	35	1.1	1	4180	.7	12	32	33890	500
L5E 000N		.5	27330	9	22	37	1.4	1	4680	1.0	13	34	40620	640
L5E 025S		1.0	37620	11	33	20	1.6	1	3180	.8	12	50	50300	280
L5E 050S		.7	16710	8	7	23	1.2	3	1200	.8	8	12	39750	180
L5E 075S	40M	.5	18080	8	7	21	1.2	1	1600	.7	8	15	38370	310
L5E 100S		.3	20750	7	11	24	1.3	1	1340	.8	9	17	42640	390
L5E 125S	40M	.7	27360	8	21	54	1.3	1	10400	.8	16	74	37740	590
L5E 150S		.8	33060	7	26	34	1.4	1	4100	1.0	11	22	40760	280
L5E 175S	40M	.3	37700	9	30	31	1.0	1	5270	.7	10	26	27320	250
L5E 200S		1.1	31610	6	24	25	1.5	1	2320	.9	13	29	49513	390
L5E 225S	40M	.9	12910	5	1	24	.6	1	3719	.7	50+	19	18510	630
L3E 125N	40M	1.2	20080	9	11	23	1.0	2	9280	.9	16	28	31760	330
L3E 100N		3.2	31010	9	29	36	3.4	13	2090	1.3	20	29	112990	220
L3E 075N		2.0	32750	4	24	22	1.0	9	3830	.9	11	46	30640	190

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COMPANY: MPH CONSULTANTS — ACME LABS ICP REPORT — PAGE 1 OF 3

PROJECT NO: V 261 — 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 — FILE NO: 7-2002/91-2

ATTENTION: B.HAWKINS/T.HAYES — (604)980-5814 OR (604)988-4524 — * TYPE SOIL GEOCHEM * — DATE:DEC 15, 1987

(VALUES IN PPM)		LI	MG	MN	MO	NA	NI	P	PB	SB	SR	TH	U	V
L1W 000N		3	13340	789	1	170	15	1310	26	1	16	1	1	86.8
L1W 025N		1	2160	88	1	90	1	1060	12	2	12	1	1	283.2
L1W 050N		4	3430	239	1	100	2	1420	13	4	5	1	1	182.8
L1W 075N		4	9360	899	1	170	6	1390	23	3	23	1	1	85.6
L1W 100N		1	1610	69	1	200	1	820	11	1	9	1	1	231.7
L0 000S		5	10730	995	1	140	7	1650	24	3	17	1	1	93.8
L0 025S		4	2330	148	1	60	1	1490	17	8	1	1	1	99.4
L0 050S		4	1690	251	1	60	1	1100	11	6	6	1	1	128.4
L0 075S		3	2450	190	1	70	1	1230	12	2	7	1	1	81.2
L0 100S		3	3030	145	1	90	1	1190	16	4	10	1	1	61.4
L0 125S		3	2720	216	1	80	2	1210	17	3	10	1	1	107.5
L0 150S		5	2670	366	1	70	2	1250	16	5	11	1	1	121.8
L0 175S		10	4630	1525	1	90	1	1620	31	5	19	1	1	109.0
L0 200S		5	2380	1346	1	60	1	1200	16	6	7	1	1	78.8
L0 025N		5	9900	579	1	100	1	1210	16	1	12	1	1	86.1
L0 050N		7	13210	1031	1	140	5	1670	29	2	16	1	1	92.2
L0 075N		4	7890	626	1	120	1	1110	20	2	17	1	1	83.1
L0 100N		5	5920	347	1	110	1	1290	17	3	12	1	1	152.8
L0 125N		5	10290	634	1	170	7	1580	19	3	13	1	1	95.7
L4E 100N		11	14630	436	1	100	9	1250	29	4	19	1	1	284.7
L4E 075N		7	4090	175	2	80	2	1450	18	7	8	1	1	157.7
L4E 050N		9	3690	486	3	100	1	1420	19	5	12	1	1	146.3
L4E 025N		5	4530	904	1	80	1	1810	20	6	6	1	1	112.1
L4E 025S		4	4630	193	1	80	1	1270	19	3	8	1	1	104.7
L4E 050S		1	1560	85	1	70	2	1340	5	2	6	1	1	204.2
L4E 075S		8	2770	295	2	100	1	1230	12	5	15	1	1	157.7
L4E 100S		10	4030	160	1	90	1	1170	14	6	17	1	1	131.0
L4E 125S		3	2360	749	1	90	2	1420	10	5	12	1	1	123.5
L4E 150S		9	2470	386	1	90	1	1390	13	6	8	1	1	137.0
L4E 175S		2	1570	381	1	80	2	1200	19	3	9	1	1	183.2
L4E 200S		3	1470	212	1	100	2	1200	16	3	8	1	1	154.5
L4E 300S		5	4170	725	1	90	1	2010	22	7	12	1	1	107.8
L6E 075N		1	2000	124	1	170	2	1150	7	3	14	1	1	210.1
L6E 050N		4	3040	141	1	170	1	1000	11	5	23	1	1	132.1
L6E 025N		11	6880	598	1	330	3	1540	18	6	18	1	1	93.1
L6E 000N		2	2700	88	1	160	1	1500	9	3	8	1	1	195.8
L6E 025S		1	1480	88	1	110	1	880	8	3	12	1	1	227.1
L6E 050S		1	1240	76	1	100	1	1110	7	1	9	1	1	174.6
L6E 075S		4	2240	122	2	60	1	1020	12	6	6	1	1	110.6
L6E 100S		13	2560	425	4	90	1	1260	20	5	11	1	1	96.9
L6E 125S		18	2420	2103	3	100	1	1430	15	5	21	1	1	77.1
L6E 150S		1	1450	115	2	140	1	860	16	2	14	1	1	156.2
L6E 175S		2	2330	202	1	80	2	1370	9	4	6	1	1	107.3
L6E 200S		1	1780	108	1	100	1	1240	18	2	15	1	1	146.6
L6E 225S		4	3260	163	1	150	1	1510	6	4	13	1	1	140.6
L5E 050N	40M	5	7460	1059	1	160	5	1590	25	3	19	1	1	73.1
L5E 025N		5	5560	723	1	110	2	1320	14	5	16	1	1	69.6
L5E 000N		5	6320	821	1	140	1	1600	18	3	15	1	1	80.6
L5E 025S		5	7230	317	1	170	3	1800	21	8	11	1	1	74.9
L5E 050S		1	1620	86	1	70	1	940	8	2	7	1	1	100.2
L5E 075S	40M	3	2610	165	1	90	1	1390	17	2	7	1	1	79.1
L5E 100S		5	3870	237	1	100	1	1130	10	3	8	1	1	87.0
L5E 125S	40M	8	12130	936	1	280	13	1650	29	2	29	1	1	89.3
L5E 150S		11	3130	362	3	90	1	1490	16	6	15	1	1	95.1
L5E 175S	40M	11	4360	1240	2	130	4	2350	25	9	15	1	1	62.6
L5E 200S		8	3260	501	1	120	1	1760	17	5	13	1	1	95.4
L5E 225S	40M	3	3660	3614	1	170	5	2570	34	3	20	1	5	35.9
L3E 125N	40M	4	9120	1008	1	260	16	1060	15	2	43	1	1	90.1
L3E 100N		3	2260	105	1	60	3	1220	9	5	13	1	1	369.9
L3E 075N		9	4150	249	2	110	2	1510	20	7	23	1	1	151.2

COMPANY: MPH CONSULTANTS | MIN-EN LABS ICP REPORT | ACTIVITY: PAGE 3 OF 3

PROJECT NO: V 261 | 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 | FILE NO: 7-2632/P1-2

ATTENTION: G.HAWKINS/T.HAYES | (604)980-5814 OR (604)988-4524 | + TYPE SOIL GEOCHEM + | DATE:DEC 15, 1987

(VALUES IN PPM)		ZN	GA	SN	W	CR	AU-PPB
L1W 000N		55	1	1	1	28	5
L1W 025N		21	1	2	2	52	10
L1W 050N		30	1	2	3	48	5
L1W 075N		45	1	1	2	20	5
L1W 100N		15	1	3	2	42	5
L0 000S		62	1	1	3	15	10
L0 025S		21	1	2	4	27	20
L0 050S		21	1	2	1	22	5
L0 075S		20	1	1	3	13	5
L0 100S		24	1	1	3	13	25
L0 125S		24	1	1	2	19	5
L0 150S		28	1	2	1	23	5
L0 175S		39	1	1	1	19	5
L0 200S		23	1	1	6	12	5
L0 025N		44	1	1	3	12	5
L0 050N		70	1	1	6	13	5
L0 075N		42	1	1	4	12	5
L0 100N		45	1	2	5	15	5
L0 125N		57	1	1	2	18	5
L4E 100N		70	1	1	6	56	5
L4E 075N		35	1	2	7	44	5
L4E 050N		37	1	1	5	33	5
L4E 025N		39	1	2	5	32	5
L4E 025S		25	1	2	2	33	5
L4E 050S		21	1	2	5	42	5
L4E 075S		35	1	1	4	29	5
L4E 100S		34	1	1	3	29	10
L4E 125S		40	1	2	1	20	5
L4E 150S		34	1	2	2	21	5
L4E 175S		20	1	2	3	26	5
L4E 200S		24	1	1	3	17	15
L4E 300S		43	1	2	2	29	5
L6E 075N		22	2	2	1	42	10
L6E 050N		29	1	2	2	21	15
L6E 025N		63	1	1	1	14	5
L6E 000N		37	2	2	1	43	20
L6E 025S		15	2	2	2	29	55
L6E 050S		19	1	2	1	21	10
L6E 075S		23	1	1	3	27	5
L6E 100S		48	1	1	4	22	10
L6E 125S		69	1	1	3	9	10
L6E 150S		20	1	2	3	23	15
L6E 175S		22	1	1	3	18	35
L6E 200S		18	1	2	3	16	30
L6E 225S		34	1	2	2	22	15
L5E 050N	40M	56	1	1	2	12	20
L5E 025N		45	1	1	2	12	5
L5E 000N		53	1	1	3	11	15
L5E 025S		39	1	2	2	26	10
L5E 050S		17	1	1	2	14	5
L5E 075S	40M	29	1	1	2	11	10
L5E 100S		34	1	1	1	14	5
L5E 125S	40M	96	1	1	1	13	645
L5E 150S		46	1	1	2	15	10
L5E 175S	40M	22	1	1	5	11	10
L5E 200S		37	1	1	1	16	5
L5E 225S	40M	37	2	1	2	8	20
L3E 125N	40M	49	1	1	2	18	15
L3E 100N		23	2	2	5	97	5
L3E 075N		24	1	3	1	34	5

COMPANY: MPH CONSULTING | MIN-EN LABS ICP REPORT | (ACT:F31) PAGE 1 OF 3

PROJECT NO: V 261 | 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 | FILE NO: 7-2086/P1+2

ATTENTION: G.HAWKINS/T.HAYES | (604)980-5814 OR (604)988-4524 | * TYPE SOIL GEOCHEM * | DATE: DEC 29, 1987

(VALUES IN PPM)

	AG	AL	AS	B	BA	BE	BI	CA	CD	CO	CU	FE	K
L1W 025S	.6	20220	4	24	43	.9	2	5360	2.0	9	33	34520	440
L1W 050S	.8	20860	7	21	54	1.2	2	6170	1.5	6	32	33360	370
L1W 075S	.6	25040	10	18	45	1.3	6	2910	2.0	15	30	41190	430
L1W 100S 40M	.5	15770	7	11	68	.9	3	5710	1.6	11	34	24940	320
L1W 125S	.8	18380	7	9	58	.8	2	5760	1.6	11	27	24500	310
L1W 150S	.7	10050	5	8	15	.7	4	1740	1.0	6	11	20500	210
L1W 175S	.8	20740	4	17	91	1.2	7	8210	.5	10	25	35620	440
L2W 025N	1.0	39080	6	30	25	2.4	24	1800	.9	9	24	82850	190
L2W 050N	1.1	17850	10	17	22	2.4	25	1820	.5	8	19	81280	190
L2W 075N	.8	20350	12	17	20	2.1	19	1930	.6	8	23	71620	200
L2W 100N	.7	24290	10	19	28	1.6	15	10120	5.7	17	81	47950	440
L2W 000S	.9	23970	4	18	24	1.4	14	10200	1.8	17	99	43290	220
L2W 025S	1.3	28330	6	21	29	1.4	14	9060	2.4	17	193	41570	220
L2W 050S	.6	22600	6	19	19	1.5	17	1420	.6	6	30	48960	130
L2W 075S	1.0	28570	10	22	25	1.4	17	2520	.5	8	65	47250	120
L2W 100S	1.7	50250	6	50	29	1.6	23	6760	1.4	11	128	48240	260
L2W 125S	.5	5460	5	8	15	.5	6	2070	.5	6	12	14330	260
L2W 150S	.9	17670	6	16	68	.8	3	8880	1.6	4	18	21290	300
L2W 175S	.5	17080	6	15	56	.7	10	5590	1.1	5	10	17420	450
L2W 200S	.8	26210	3	21	57	1.2	9	3890	1.8	8	20	37700	310
L2W 225S	.9	40870	3	32	75	1.9	7	4390	1.1	9	30	53460	320
L2W 250S	.7	31590	4	23	62	1.4	8	4090	.6	9	23	44000	350
L3W 025N	1.0	13550	6	14	17	2.0	23	900	.7	9	16	68300	100
L3W 050N	.6	9000	5	10	14	.9	9	1050	.5	5	10	30030	120
L3W 075N	1.1	36110	13	31	34	3.4	27	1470	.7	10	33	114990	200
L3W 100N	.9	22310	9	21	18	2.4	19	870	.8	8	22	82470	160
L3W 000S	1.2	57770	7	44	17	2.1	13	2100	.7	10	68	69060	80
L3W 025S	.7	25240	4	22	20	2.3	17	2320	.6	10	27	77650	220
L3W 050S	.5	25430	4	20	21	1.1	13	3470	.6	11	37	35830	170
L3W 075S	.7	35010	12	29	23	1.7	12	1940	.9	10	53	58620	150
L3W 100S	.8	20420	1	15	35	2.2	4	2640	1.3	6	18	76580	300
L3W 125S	.9	30650	8	18	32	2.0	4	2930	1.0	7	32	67770	260
L3W 150S	.6	21830	7	13	32	1.7	1	2740	.9	6	24	57530	380
L3W 175S	.7	22880	6	13	58	1.5	1	7750	.5	8	14	48810	370
L3W 200S	.8	37100	9	20	60	1.4	1	8920	.5	9	26	40930	370
L3W 225S	.6	50440	14	27	63	1.2	1	8730	.9	20	32	32260	290
L3W 250S	.5	22610	6	12	32	1.8	1	2320	1.1	7	22	61470	290
L3W 275S	.7	21540	4	11	25	1.4	3	2210	.6	7	18	47540	190
L3W 300S	.6	38990	8	21	28	2.0	3	2680	.9	6	28	66840	190
L3W 325S	.8	35920	7	20	37	2.9	2	1790	1.5	4	18	98810	190
L3W 350S	.8	18460	1	12	38	2.3	3	1900	.7	5	23	77730	320
L4W 025N	1.1	30140	13	17	30	1.9	7	2900	.5	11	40	67560	210
L4W 050N	1.0	25570	14	16	34	1.4	5	13030	.5	21	85	45580	410
L4W 062N	.9	22950	9	14	33	1.3	5	12310	.6	15	63	38450	400
L4W 000S	1.1	57160	18	31	30	2.1	5	3970	1.4	12	90	68730	250
L4W 025S	.8	38280	9	20	30	2.3	5	2310	1.3	7	100	78870	210
L4W 050S	.8	26090	5	15	32	2.1	8	3370	.6	8	36	71960	260
L4W 075S	.7	32810	6	18	34	1.8	11	4310	1.1	16	51	57360	300
L4W 100S	.7	37560	12	20	31	1.7	9	2720	.7	13	33	56240	320
L4W 125S	.5	29960	15	16	30	1.3	9	9400	1.1	16	58	41850	430
L4W 150S	.5	34640	11	18	24	1.0	5	3490	.5	15	37	28700	360
L4W 175S	.8	27720	11	15	31	1.8	10	4240	.9	30	22	57030	290
L4W 200S	.7	28830	4	16	31	1.8	14	3080	.8	10	19	58800	360
L4W 225S	1.0	22520	2	14	41	2.3	13	2540	1.4	8	19	82400	390
L4W 250S	.8	26720	7	15	30	1.9	10	3290	1.0	13	17	62160	470
L4W 275S	.4	15680	9	10	47	3.0	1	1370	1.2	2	14	109470	650
L4W 300S	.8	23760	2	13	35	2.1	19	2090	.8	8	16	72100	340
L5W 025N	.8	28830	10	16	28	1.5	21	4810	.5	11	54	50480	220
L5W 050N	.7	44450	16	24	31	1.6	20	3300	.9	11	66	54830	210
L5W 075N	1.1	30740	11	18	36	3.3	34	1570	1.3	8	40	117350	170

(VALUES IN PPM)	LI	MG	MN	MO	NA	NI	P	PB	SB	SR	TH	U	V
L1W 025S	13	6510	865	2	130	3	1380	47	3	16	1	2	67.7
L1W 050S	7	5720	761	1	100	1	1130	29	3	17	1	2	64.4
L1W 075S	1	7010	3025	3	110	4	1680	24	3	11	1	2	79.0
L1W 100S 40M	1	6780	2534	3	140	7	2000	28	1	16	1	2	42.5
L1W 125S	1	6140	2356	1	100	3	1460	23	3	10	1	2	39.7
L1W 150S	1	1050	183	2	130	1	700	11	2	17	1	2	122.2
L1W 175S	1	4870	1352	1	150	1	1580	18	3	26	1	2	85.2
L2W 025N	1	3000	198	1	70	1	1450	6	2	10	1	2	217.3
L2W 050N	1	2450	117	1	70	2	1090	9	2	10	1	2	216.4
L2W 075N	1	2120	140	3	90	1	1020	5	3	9	1	2	205.9
L2W 100N	1	17020	1096	2	140	12	1500	23	2	17	1	2	123.9
L2W 000S	1	16390	816	1	150	26	1510	14	3	19	1	2	118.4
L2W 025S	1	15170	786	1	130	19	1750	19	5	15	1	2	117.5
L2W 050S	1	1990	122	1	70	1	1230	13	1	4	1	2	163.0
L2W 075S	1	4880	342	1	80	2	1630	19	1	6	1	2	124.3
L2W 100S	18	9740	280	2	90	4	1580	68	11	23	1	2	135.4
L2W 125S	1	1060	46	1	140	1	480	12	2	12	1	2	61.3
L2W 150S	1	2120	1708	1	120	2	2020	21	3	19	1	2	41.3
L2W 175S	1	4000	239	2	130	1	980	14	2	20	1	2	63.8
L2W 200S	1	3680	377	1	100	1	1080	23	2	16	1	2	78.9
L2W 225S	2	4520	378	3	100	3	1520	23	6	14	1	2	84.1
L2W 250S	1	3780	412	3	110	1	1350	18	1	15	1	2	80.1
L3W 025N	1	930	88	1	40	2	720	7	1	4	1	2	313.3
L3W 050N	1	570	46	1	60	1	460	11	1	7	1	2	146.9
L3W 075N	1	2630	56	1	50	3	1380	9	3	10	1	2	298.3
L3W 100N	1	1460	41	3	50	3	1020	13	2	6	1	2	309.5
L3W 000S	1	5640	193	1	80	1	1590	26	9	13	1	2	157.8
L3W 025S	1	3070	105	1	110	1	1070	6	3	13	1	2	226.8
L3W 050S	1	6530	238	2	130	7	1040	16	1	23	1	2	145.6
L3W 075S	1	3010	169	1	100	2	1150	19	4	13	1	2	208.5
L3W 100S	1	3000	125	1	90	1	930	6	4	19	1	1	199.3
L3W 125S	1	3290	142	2	100	2	590	16	2	20	1	1	188.0
L3W 150S	1	3060	242	1	100	3	940	14	3	18	1	1	140.4
L3W 175S	1	9670	437	1	100	6	550	14	3	39	1	1	91.7
L3W 200S	1	4400	507	1	100	7	870	14	5	21	1	1	82.5
L3W 225S	1	5860	1972	2	140	15	1870	8	1	17	1	1	63.0
L3W 250S	1	2870	290	1	100	2	1640	13	1	16	1	1	119.4
L3W 275S	1	2570	235	1	110	1	830	11	1	13	1	1	131.4
L3W 300S	1	3980	191	1	90	2	550	5	1	16	1	1	129.2
L3W 325S	1	2550	106	1	70	2	660	7	8	12	1	1	185.1
L3W 350S	1	2540	80	1	70	1	670	11	2	19	1	1	139.6
L4W 025N	1	4310	332	1	100	5	1140	18	3	21	1	1	206.0
L4W 050N	1	13910	1215	1	250	18	1240	6	4	49	1	1	124.1
L4W 062N	1	13050	812	1	240	19	1110	7	3	46	1	1	107.5
L4W 000S	1	6120	275	1	120	4	700	21	1	24	1	1	200.0
L4W 025S	1	3360	110	1	90	1	900	5	1	14	1	1	165.4
L4W 050S	1	4970	152	1	90	3	840	13	2	23	1	1	152.9
L4W 075S	1	6960	451	1	130	9	740	13	1	27	1	1	142.3
L4W 100S	1	3830	500	3	80	1	830	11	1	19	1	1	139.4
L4W 125S	1	14120	725	1	220	17	1900	6	2	35	1	1	111.7
L4W 150S	1	3930	731	1	120	6	1960	9	1	24	1	1	90.4
L4W 175S	1	4270	1846	1	130	5	1200	16	2	38	1	1	137.4
L4W 200S	1	3350	381	1	90	2	590	7	1	25	1	1	147.5
L4W 225S	1	2460	583	1	110	1	1290	10	2	20	1	1	191.0
L4W 250S	1	4340	691	2	110	3	1600	11	3	26	1	1	157.1
L4W 275S	1	1740	740	1	120	1	1820	17	7	7	1	1	70.4
L4W 300S	1	2320	293	1	90	2	890	5	2	18	1	1	172.9
L5W 025N	1	7920	363	1	110	11	970	13	3	20	1	1	135.0
L5W 050N	1	6210	328	1	100	10	800	6	1	15	1	1	166.8
L5W 075N	1	2040	92	1	50	3	880	10	3	15	1	1	285.6

COMPANY: MPH CONSULTING | MIN-EN LABS ICP REPORT | (ACT:F31) PAGE 3 OF 3

PROJECT NO: V 261 | 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 | FILE NO: 7-2086/P1+2

ATTENTION: G.HAWKINS/T.HAYES | (604)980-5814 OR (604)988-4524 | * TYPE SOIL GEOCHEM * | DATE:DEC 29, 1987

(VALUES IN PPM)	ZN	GA	SN	W	CR	AU-PPB
L1W 025S	68	1	1	2	19	10
L1W 050S	66	1	1	2	15	15
L1W 075S	57	1	1	1	9	5
L1W 100S 40M	68	1	1	1	7	5
L1W 125S	57	1	1	1	5	60
L1W 150S	16	1	1	1	10	5
L1W 175S	59	1	1	1	10	5
L2W 025N	28	1	2	3	54	10
L2W 050N	24	1	1	2	45	10
L2W 075N	23	1	1	1	34	10
L2W 100N	65	1	1	1	27	20
L2W 000S	53	1	1	2	28	10
L2W 025S	53	1	1	1	27	5
L2W 050S	20	1	1	2	27	5
L2W 075S	30	1	1	3	32	5
L2W 100S	72	1	3	4	62	5
L2W 125S	17	1	1	1	31	5
L2W 150S	54	1	1	1	3	5
L2W 175S	39	1	1	1	10	5
L2W 200S	46	1	1	2	14	5
L2W 225S	62	1	1	3	16	10
L2W 250S	51	1	1	2	15	5
L3W 025N	14	1	2	2	35	5
L3W 050N	9	1	1	1	11	5
L3W 075N	25	1	2	3	84	5
L3W 100N	20	1	2	2	57	10
L3W 000S	30	2	2	4	62	350
L3W 025S	24	2	3	1	50	5
L3W 050S	34	1	2	1	31	5
L3W 075S	25	1	2	2	38	200
L3W 100S	23	1	1	1	5	5
L3W 125S	25	1	1	2	3	10
L3W 150S	27	1	1	1	3	5
L3W 175S	48	1	1	1	1	20
L3W 200S	51	1	1	1	1	5
L3W 225S	85	1	1	1	3	5
L3W 250S	28	1	1	1	3	10
L3W 275S	21	1	1	1	3	10
L3W 300S	19	1	1	2	11	5
L3W 325S	18	1	1	2	19	5
L3W 350S	17	1	1	1	1	5
L4W 025N	23	1	2	1	18	10
L4W 050N	48	1	1	1	10	40
L4W 062N	47	1	1	1	8	5
L4W 000S	27	1	2	2	24	5
L4W 025S	15	1	2	2	20	5
L4W 050S	20	1	1	1	17	5
L4W 075S	32	1	2	1	7	5
L4W 100S	33	1	2	1	3	10
L4W 125S	49	1	1	1	3	5
L4W 150S	31	1	1	1	3	5
L4W 175S	30	1	1	2	4	5
L4W 200S	24	1	1	2	2	5
L4W 225S	22	1	1	1	5	5
L4W 250S	25	1	1	1	3	5
L4W 275S	34	1	1	1	3	10
L4W 300S	22	1	1	1	19	5
L5W 025N	29	1	1	1	19	5
L5W 050N	26	1	2	2	26	5
L5W 075N	11	1	2	1	41	20

COMPANY: MPH CONSULTING | MIN-EN LABS ICP REPORT | (ACT:F31) PAGE 1 OF 3

PROJECT NO: V 261 | 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 | FILE NO: 7-2086/P3

ATTENTION: G.HAWKINS/T.HAYES | (604)980-5814 OR (604)988-4524 | * TYPE SOIL GEOCHEM * | DATE:DEC 29, 1987

(VALUES IN PPM)	AG	AL	AS	B	BA	BE	BI	CA	CD	CO	CU	FE	K
L5W 000S	.9	65690	24	40	28	1.8	1	2870	.6	8	86	54610	210
L5W 025S	1.3	20890	3	17	44	2.8	7	2490	.6	7	28	96300	340
L5W 050S	.9	24990	12	16	26	1.4	4	7930	.7	13	55	41340	360
L5W 075S	1.3	32140	12	19	32	1.4	3	5040	.8	12	120	45020	360
L5W 100S	.8	35190	12	20	25	1.7	4	3190	1.0	8	58	53600	250
L5W 125S	1.1	39000	10	22	28	1.9	7	2580	.5	8	31	65970	240
L5W 150S	.6	25780	11	14	33	1.3	5	2830	.7	6	11	41660	430
L5W 175S	.8	16500	6	9	48	1.0	3	5070	.8	13	13	31830	470
L5W 200S	.7	27620	4	15	44	2.2	3	2290	.5	5	12	73100	700
L5W 225S	.6	13040	1	7	25	.6	8	2530	.7	5	6	19180	470
L5W 250S	.9	17250	4	10	26	1.9	14	1770	.9	7	10	65020	280
L5W 275S	.6	20930	5	11	41	1.4	7	3370	.7	7	12	44060	310
L5W 300S	.7	22390	3	12	25	1.7	10	2310	.5	6	17	57060	390
L6W 025N 40M	.6	33200	14	18	25	1.7	7	2200	1.2	8	62	54260	170
L6W 050N	.8	24870	1	15	27	1.3	11	9300	1.0	16	103	39510	330
L6W 062N	1.3	25360	12	20	42	1.5	11	14960	1.1	19	94	48240	710
L6W 000S	1.1	28760	15	17	27	1.6	12	5600	.5	12	62	49940	350
L6W 025S	.9	53600	18	30	41	1.8	2	5850	.6	17	165	52140	440
L6W 050S	1.0	25280	10	14	27	1.7	12	1950	1.0	7	41	60930	200
L6W 075S	.8	73950	25	39	28	2.3	9	1000	.7	9	105	75280	110
L6W 100S	.6	27940	9	16	31	1.9	9	1990	1.1	6	24	65850	230
L6W 125S	.7	60900	17	32	29	1.6	1	2570	1.1	8	96	51470	270
L6W 150S	.8	19690	2	12	35	1.9	7	2010	1.2	5	12	65380	370
L6W 175S	.9	19060	1	11	34	2.1	6	1960	.6	4	12	69510	300
L6W 200S 40M	.8	11460	3	6	28	.8	2	1550	.7	4	10	27090	620
L6W 225S	1.1	20470	2	13	34	3.4	15	1520	1.3	8	16	118500	230

(VALUES IN PPM)	LI	MG	MN	MO	NA	NI	P	PB	SB	SR	TH	U	V
L5W 000S	1	5050	189	1	100	6	930	21	1	13	1	1	156.1
L5W 025S	1	2310	128	1	110	3	1350	19	4	16	1	1	242.3
L5W 050S	1	11440	605	1	190	18	1080	12	4	29	1	1	113.3
L5W 075S	1	9820	570	1	140	19	1450	14	2	18	1	1	115.9
L5W 100S	1	4680	379	2	140	6	1080	12	2	14	1	1	149.0
L5W 125S	1	3590	176	2	120	3	490	11	1	14	1	1	167.8
L5W 150S	1	3330	261	7	130	2	580	13	1	19	1	1	123.3
L5W 175S	1	3750	2842	2	160	5	1510	9	2	24	1	1	77.7
L5W 200S	1	4670	245	4	110	3	390	13	3	17	1	1	162.2
L5W 225S	1	2100	143	4	140	4	780	8	2	23	1	1	132.6
L5W 250S	1	1320	84	5	70	2	580	13	4	19	1	1	227.0
L5W 275S	1	1940	386	5	130	1	520	8	2	21	1	1	139.1
L5W 300S	1	1520	93	1	120	1	480	7	2	21	1	1	148.1
L6W 025N 40M	1	5860	236	2	80	10	740	7	2	13	1	1	133.8
L6W 050N	1	12670	765	1	180	27	1430	5	3	36	1	1	112.4
L6W 062N	1	18300	855	1	220	31	1250	7	4	28	1	1	137.3
L6W 000S	1	8260	515	1	140	16	1440	15	3	23	1	1	147.6
L6W 025S	1	10270	1040	1	140	20	3350	20	3	16	1	1	136.5
L6W 050S	1	2830	160	1	80	2	1820	11	3	13	1	1	176.2
L6W 075S	1	2970	123	3	50	2	2470	16	1	3	1	1	217.1
L6W 100S	1	2970	112	1	70	3	790	14	2	16	1	1	142.9
L6W 125S	1	6280	251	3	110	13	500	11	1	14	1	1	124.7
L6W 150S	1	2160	130	2	90	2	880	5	2	17	1	1	210.0
L6W 175S	1	1880	95	1	90	2	870	15	2	19	1	1	219.2
L6W 200S 40M	1	2190	223	1	170	3	1990	7	2	14	1	1	66.7
L6W 225S	1	1460	47	2	60	1	550	5	3	18	1	1	310.2

(VALUES IN PPM)	ZN	GA	SN	W	CR	AU-PPB
L5W 000S	35	1	2	1	26	5
L5W 025S	23	1	1	1	31	5
L5W 050S	41	1	1	1	11	15
L5W 075S	41	1	1	2	7	10
L5W 100S	25	1	1	2	5	5
L5W 125S	20	1	2	1	26	5
L5W 150S	27	1	1	1	4	10
L5W 175S	29	1	1	1	1	5
L5W 200S	20	1	1	2	1	5
L5W 225S	11	1	1	1	2	15
L5W 250S	9	1	1	1	2	10
L5W 275S	22	1	1	1	4	5
L5W 300S	10	1	1	2	4	10
L6W 025N 40M	26	1	2	1	26	40
L6W 050N	41	1	1	1	20	5
L6W 062N	65	1	1	1	20	450
L6W 000S	34	1	1	1	22	10
L6W 025S	46	1	2	1	13	20
L6W 050S	22	1	1	1	29	15
L6W 075S	24	1	3	1	51	5
L6W 100S	17	1	1	1	18	15
L6W 125S	33	1	2	3	10	20
L6W 150S	19	1	1	1	1	10
L6W 175S	15	1	1	1	3	5
L6W 200S 40M	26	1	1	1	1	15
L6W 225S	8	1	1	1	9	10

COMPANY: MPH CONSULTING | MIN-EN LABS ICP REPORT | (ACT:F31) PAGE 1 OF 1

PROJECT NO: V261 | 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 | FILE NO: 7-2135

ATTENTION: T.HAYES/G.HAWKINS | (604)980-5814 OR (604)988-4524 | * TYPE SOIL & SILT * | DATE:JAN 4, 1988

(PPM)	L4E 0+00	L1E 0+00	S1	S2	S3
AG	3.4	5.3	1.2	1.1	1.7
AL	34570	7260	20470	14140	28340
AS	13	24	9	6	14
B	52	24	29	17	36
BA	30	22	73	26	62
BE	1.1	.4	.9	.9	1.4
BI	5	5	3	4	7
CA	6320	6330	6670	2430	15100
CD	.5	1.2	.6	.8	.6
CO	10	5	16	16	12
CU	58	24	20	12	43
FE	34740	9590	26210	29370	43180
K	400	270	420	470	1030
LI	14	15	4	3	6
MG	6250	4240	6760	4330	18660
MN	526	292	1937	999	845
MO	1	2	2	1	1
NA	130	50	130	110	630
NI	11	7	14	8	21
P	1460	660	1090	1050	1530
PB	11	41	10	11	10
SB	9	11	3	3	4
SR	9	18	21	7	39
TH	1	1	1	1	2
U	1	2	1	1	1
V	93.5	23.1	52.3	64.6	107.9
ZN	50	44	64	30	57
GA	1	1	1	1	1
SN	3	2	2	2	3
W	3	1	2	1	3
CR	13	23	8	4	74
AU-PPB	5	10	5	5	5

COMPANY: MPH CONSULTING | MIN-EN LABS ICP REPORT | (ACT:F31) PAGE 1 OF 3

PROJECT NO: V 261 | 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 | FILE NO: B-069/P1+2

ATTENTION: C.NAAS | (604)980-5814 OR (604)988-4524 * TYPE SOIL GEOCHEM * | DATE:JAN 27, 1988

(VALUES IN PPM)	AG	AL	AS	B	BA	BE	BI	CA	CD	CO	CU	FE	K
L300E 150N	2.4	29510	11	56	48	1.8	3	14960	.4	21	161	56340	460
L300E 175N	1.8	25380	1	44	32	1.5	3	11070	1.7	17	167	44300	340
L300E 200N	1.3	30240	3	46	31	1.9	3	8130	.5	23	186	57910	470
L300E 225N	1.0	35560	21	52	47	1.9	4	6180	1.1	22	210	61160	370
L300E 250N	1.1	30880	2	46	32	1.7	5	11300	.4	21	194	53730	470
L300E 275N	1.5	30800	20	45	31	1.8	5	11690	1.0	22	201	54390	510
L300E 300N	1.4	29900	1	44	29	1.7	5	10270	1.5	20	161	54430	470
L300E 325N	1.1	28200	1	42	29	1.6	5	12160	1.0	29	178	50750	360
L300E 350N	1.1	29710	18	42	29	1.8	4	5900	1.1	18	169	57380	360
L300E 375N	1.4	36750	19	50	29	2.0	6	5090	1.0	19	205	64190	310
L300E 400N	.5	21070	15	30	27	1.6	4	3450	.5	11	56	52480	330
L300E 425N	1.4	25130	3	36	36	1.8	7	5030	1.1	13	68	56940	400
L300E 450N	1.6	31120	22	44	28	2.2	8	3880	.4	18	107	75480	370
L350E 150N	1.2	45460	23	60	27	1.6	7	7540	.6	21	186	48450	250
L350E 175N	1.5	21940	7	34	22	1.6	8	10800	1.2	19	67	50610	420
L350E 200N	2.6	33810	1	61	34	2.2	7	8490	.4	16	173	70980	370
L350E 225N	1.8	34960	1	56	34	2.3	6	6010	1.2	22	216	71880	380
L350E 250N	1.5	26830	2	41	30	1.7	6	6100	.9	16	126	53300	460
L350E 275N 40M	1.4	18790	3	29	29	1.7	9	4500	.5	11	37	54440	450
L350E 300N	1.8	29210	2	44	29	1.7	7	10440	1.2	19	168	52450	450
L350E 325N	1.5	26810	6	39	26	2.1	8	4010	.4	15	113	69850	360
L350E 350N	1.5	29950	3	42	33	2.2	8	4490	1.0	19	97	68060	380
L400E 125N	2.6	21190	9	32	21	2.4	15	2310	.8	14	53	80310	180
L400E 150N	3.1	16290	11	26	23	2.4	16	1880	.5	13	37	81010	190
L400E 175N	1.2	40510	1	57	32	2.6	10	3440	1.6	16	152	84950	290
L400E 200N	1.0	27080	9	41	32	1.8	5	10280	1.0	21	160	53620	400
L400E 225N	1.0	9730	6	12	18	.5	8	2600	.4	7	14	12180	520
L400E 250N	1.2	37430	1	50	37	2.1	8	5080	1.0	19	154	67120	340
L400E 275N	.9	33940	1	45	33	1.9	6	6830	.8	21	223	59780	370
L400E 300N	.7	34650	4	46	37	2.1	8	4820	.8	19	169	65960	310
L400E 325N	2.9	27990	1	46	40	2.0	6	6790	.7	17	87	63780	430
L400E 350N	2.3	35600	4	51	32	2.0	7	6540	.5	20	171	61940	440
L325E 225N	1.7	21650	4	28	28	1.8	9	3680	.8	10	47	57730	410
L375E 225N	1.9	39720	4	51	33	2.1	8	6220	.8	25	231	62420	300
L200S 275W	.7	15360	9	18	40	1.0	3	4850	.4	7	21	26120	330
L200S 250W	1.2	8690	1	9	30	.8	7	2190	.6	5	13	22890	320
L200S 225W 20M	.1	4580	1	5	25	.3	1	1810	.4	2	7	6840	440
L200S 175W	.6	32390	19	38	31	2.0	8	1550	.4	4	15	65530	290
L200S 150W 20M	.8	38560	15	46	86	1.5	6	5330	.6	13	29	36620	260
L200S 125N	.2	42940	14	52	71	1.7	6	4650	.8	11	24	50040	390
L200S 100W	.1	40640	17	48	58	1.6	7	2960	.7	23	26	42060	490
L200S 075W	.4	20610	2	26	42	1.3	6	2540	.6	7	17	40110	470
L200S 050W	.9	23880	15	29	36	1.4	13	1950	.8	7	14	44850	460
L200S 025W	1.0	31970	19	39	34	1.7	15	1790	.9	6	17	53870	430
L200S 000W	1.5	16880	3	22	23	1.5	17	2040	.8	7	14	48960	310
L200S 025E	2.3	31580	3	44	34	1.7	16	3560	.9	38	34	52970	330
L200S 050E	1.6	33180	17	45	36	1.8	14	2610	.4	29	31	59900	400
L200S 075E	1.2	30710	15	39	27	1.7	14	1960	.6	8	22	52350	330
L200S 100E	.8	11820	7	14	13	.9	7	1080	.5	12	13	26180	190
L200S 125E	1.4	12430	1	17	15	.6	9	1590	.4	6	14	19950	500
L200S 150E	1.2	22890	1	32	28	1.8	11	1960	.9	8	30	59090	460
L200S 175E	1.9	14330	7	21	28	1.8	13	1520	.9	6	18	62090	210
L200S 200E	1.1	19610	3	25	29	1.3	9	2130	.4	6	21	42030	380
L200S 225E	2.2	24420	4	33	27	2.5	13	1600	1.3	7	25	88450	290
L200S 250E	1.3	17230	6	22	28	1.5	9	1810	.8	6	14	49430	480
L200S 275E	1.2	19660	4	26	25	1.4	7	1840	.7	6	14	48830	300
L540E 000S	1.7	23040	4	30	24	1.1	8	6820	.7	12	104	35810	340
L540E 025S 40M	.7	17280	3	20	22	.6	3	5650	.4	5	18	16390	220
L540E 038S 20M	.4	16290	3	18	22	.6	2	4030	.5	4	15	16090	210
L540E 063S	1.3	22640	7	28	25	1.4	4	1820	.9	5	22	47630	310

(VALUES IN PPM)	LI	MG	MN	MO	NA	NI	P	PB	SB	SR	TH	U	V
L300E 150N	17	20960	1236	2	160	24	1520	63	5	14	1	1	139.1
L300E 175N	10	15930	1123	2	140	15	1490	31	1	13	1	1	107.2
L300E 200N	12	16220	2199	2	110	12	2630	34	2	9	1	1	136.6
L300E 225N	10	14670	2148	2	110	3	2230	33	2	4	1	1	141.8
L300E 250N	8	16710	1341	2	140	10	1750	29	3	16	1	1	133.6
L300E 275N	8	18760	1351	1	280	13	1700	29	1	15	1	1	135.2
L300E 300N	8	17340	1254	1	180	13	1900	26	2	14	1	1	142.0
L300E 325N	7	17840	1231	1	120	14	1660	25	1	16	1	1	126.6
L300E 350N	7	11910	1751	1	110	1	2300	33	1	7	1	1	142.3
L300E 375N	9	10010	1724	1	110	2	4750	22	2	3	1	1	163.6
L300E 400N	3	7460	810	1	110	4	1750	12	1	6	1	1	129.4
L300E 425N	5	5920	1528	1	120	2	2240	19	1	10	1	1	158.3
L300E 450N	9	5650	1315	2	130	1	2580	16	2	1	1	1	174.9
L350E 150N	6	12700	941	1	160	4	1700	24	2	13	1	1	118.9
L350E 175N	5	13130	805	1	190	5	1630	19	1	11	1	1	138.6
L350E 200N	16	11790	632	1	110	6	2010	41	3	6	1	1	152.1
L350E 225N	16	16190	1242	1	160	2	1790	42	3	10	1	1	158.7
L350E 250N	9	10420	1251	1	130	2	2230	22	3	9	1	1	136.6
L350E 275N 40M	3	6750	833	1	130	1	2170	19	2	8	1	1	166.6
L350E 300N	8	16780	976	2	180	9	1410	24	3	16	1	1	137.5
L350E 325N	5	8000	967	1	120	3	2590	14	2	6	1	1	174.9
L350E 350N	8	9330	1330	1	130	1	2400	27	2	6	1	1	157.0
L400E 125N	2	4160	146	1	100	3	1190	13	2	7	1	1	291.8
L400E 150N	1	3270	88	1	100	2	1110	16	2	7	1	1	332.9
L400E 175N	11	12630	526	1	120	2	1690	24	1	11	1	1	192.7
L400E 200N	8	17700	1495	1	150	16	2100	29	2	9	1	1	128.8
L400E 225N	1	1920	228	1	160	1	860	10	1	20	1	1	102.1
L400E 250N	8	11520	1656	1	110	5	2400	31	2	2	1	1	144.8
L400E 275N	8	15270	1567	1	160	8	2120	23	2	4	1	1	144.1
L400E 300N	8	11720	1534	2	110	2	2270	27	2	10	1	1	163.2
L400E 325N	13	9300	1765	1	200	1	2980	34	2	3	1	1	136.4
L400E 350N	12	12700	1765	1	200	1	2910	29	1	5	1	1	149.3
L325E 225N	2	6900	518	1	130	2	1740	15	1	3	1	1	141.1
L375E 225N	8	13280	1685	1	140	4	2320	28	1	2	1	1	137.6
L200S 275W	3	5180	862	1	160	2	1230	10	1	17	1	1	54.9
L200S 250W	1	1390	134	1	180	1	540	3	1	15	1	1	112.3
L200S 225W 20M	1	820	169	1	170	1	1100	8	1	9	1	1	28.9
L200S 175W	5	2130	75	2	120	1	1050	10	7	1	1	1	150.2
L200S 150W 20M	3	2470	4262	2	130	2	3040	23	6	8	1	1	41.8
L200S 125W	9	5080	644	2	150	1	1520	20	5	5	1	1	75.4
L200S 100W	11	5060	922	2	160	2	1280	12	1	4	1	1	71.0
L200S 075W	5	5280	578	1	140	1	1080	15	1	11	1	1	67.8
L200S 050W	12	5260	281	3	130	2	860	10	3	14	1	1	110.8
L200S 025W	12	3590	155	3	110	1	950	13	1	6	1	1	150.4
L200S 000W	1	2130	321	1	100	2	1070	19	1	10	1	1	160.2
L200S 025E	12	4070	2380	2	120	1	1440	30	3	4	1	1	114.1
L200S 050E	9	4410	1549	1	310	2	1730	23	1	6	1	1	119.9
L200S 075E	5	2550	349	1	230	1	1080	15	1	4	1	1	111.8
L200S 100E	1	1070	544	1	100	1	1270	8	2	2	1	1	51.0
L200S 125E	1	1970	122	1	140	1	1780	9	1	6	1	1	76.4
L200S 150E	5	5360	342	1	170	3	1350	12	2	10	1	1	138.0
L200S 175E	1	1610	59	1	110	1	1190	14	1	1	1	1	178.0
L200S 200E	2	3120	184	2	130	2	820	15	1	9	1	1	111.2
L200S 225E	2	2120	110	1	110	2	1270	12	1	7	1	1	202.6
L200S 250E	1	2040	222	1	140	1	1070	16	2	6	1	1	152.8
L200S 275E	2	2680	154	1	160	2	840	10	1	8	1	1	112.6
L540E 000S	3	9740	459	1	270	4	1120	11	3	20	1	1	98.0
L540E 025S 40M	4	4930	423	1	160	1	1410	7	2	14	1	1	43.1
L540E 038S 20M	5	3310	334	1	110	2	1340	6	1	9	1	1	39.0
L540E 063S	4	3260	179	2	130	3	1100	10	2	6	1	1	109.4

(VALUES IN PPM)	ZN	GA	SN	W	CR	AU-PPB
L300E 150N	97	1	2	2	66	860
L300E 175N	74	1	1	2	51	20
L300E 200N	75	1	2	1	64	5
L300E 225N	82	1	2	1	58	5
L300E 250N	75	1	1	4	55	15
L300E 275N	79	1	2	1	56	30
L300E 300N	75	1	2	1	51	5
L300E 325N	71	1	2	1	52	10
L300E 350N	64	1	1	1	49	5
L300E 375N	71	1	2	2	53	5
L300E 400N	41	1	1	1	56	5
L300E 425N	45	1	1	1	45	10
L300E 450N	53	1	1	3	50	25
L350E 150N	63	1	4	1	52	45
L350E 175N	59	1	2	1	42	460
L350E 200N	80	1	2	2	57	5
L350E 225N	90	1	3	1	68	15
L350E 250N	63	1	2	1	46	10
L350E 275N 40M	42	1	2	3	38	5
L350E 300N	75	1	2	3	48	10
L350E 325N	50	1	2	3	55	20
L350E 350N	61	1	2	2	52	5
L400E 125N	32	1	4	1	59	40
L400E 150N	27	1	4	1	55	35
L400E 175N	76	1	4	1	61	10
L400E 200N	92	1	2	1	55	85
L400E 225N	19	1	2	1	13	5
L400E 250N	73	1	2	2	50	5
L400E 275N	85	1	2	1	50	5
L400E 300N	69	1	2	2	50	15
L400E 325N	75	1	3	2	50	20
L400E 350N	88	1	3	1	53	10
L325E 225N	42	1	1	1	38	5
L375E 225N	76	1	2	1	51	5
L200S 275W	46	1	1	1	14	5
L200S 250W	21	1	2	1	12	15
L200S 225W 20M	20	1	1	1	7	5
L200S 175W	38	1	2	1	15	10
L200S 150W 20M	104	1	2	1	5	10
L200S 125W	89	1	3	1	8	5
L200S 100W	87	1	1	1	8	25
L200S 075W	46	1	1	2	11	5
L200S 050W	50	1	2	1	24	5
L200S 025W	51	1	2	1	23	5
L200S 000W	38	1	3	1	15	5
L200S 025E	67	1	2	1	25	5
L200S 050E	63	1	2	1	21	5
L200S 075E	46	1	1	3	16	5
L200S 100E	23	1	1	1	7	10
L200S 125E	29	1	2	1	11	5
L200S 150E	49	1	3	3	18	5
L200S 175E	35	1	2	1	19	10
L200S 200E	37	1	1	1	17	10
L200S 225E	40	1	3	1	35	5
L200S 250E	30	1	2	1	23	10
L200S 275E	36	1	2	1	22	5
L540E 000S	54	1	3	2	24	5
L540E 025S 40M	52	1	1	1	9	5
L540E 038S 20M	49	1	1	1	7	5
L540E 063S	43	1	2	1	18	5

PROJECT NO: V 261 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 FILE NO: 8-069/P3

ATTENTION: C.HAAS (604)980-5814 OR (604)988-4524 * TYPE SOIL GEOCHEM * DATE:JAN 27, 1988

(VALUES IN PPM)	AG	AL	AS	B	BA	BE	BI	CA	CD	CO	CU	FE	K
L540E 075S	2.4	9630	6	15	17	1.3	23	2780	.7	8	14	42880	100
L540E 100S	1.8	28180	1	35	29	1.7	20	4300	.5	7	18	54510	180
L540E 125S	.8	26310	13	34	57	1.5	11	6110	.4	15	20	43810	380
L540E 150S	.7	23410	12	28	25	1.2	12	1660	.5	5	18	39830	300
L540E 175S	1.0	10400	5	12	30	.6	11	3050	.7	5	6	17330	350
L540E 200S	.6	18220	9	26	26	1.2	6	1690	.9	3	11	41780	250
L440E 050N	1.7	39040	22	48	28	1.8	17	1890	1.1	7	37	63370	170
L440E 025N	1.3	20080	1	27	22	1.9	12	1230	.8	5	18	66160	240
L440E 000N	1.7	19210	3	26	26	1.8	12	1490	.4	6	19	62140	210
L440E 025S	1.4	38650	17	46	22	1.4	13	2470	.7	9	48	46490	160
L440E 050S	1.6	14380	4	20	20	1.6	12	1630	.9	6	20	52030	160
L440E 075S	.9	26360	16	32	22	1.4	9	1670	.8	6	23	43730	240
L440E 100S	1.4	31600	13	38	31	1.4	10	2430	.8	8	28	46080	200
L440E 125S	.4	26390	7	30	24	.9	5	1110	.6	7	19	28080	160
L440E 150S	1.0	28610	19	37	31	1.7	7	1640	1.1	5	27	54800	420
L440E 175S 40M	1.3	10700	5	18	29	.6	2	5300	.6	5	18	18630	180
L440E 200S	1.1	20500	10	28	24	1.1	3	2570	.7	9	27	36300	320
L175S 625E 40M	1.1	16640	2	25	40	.9	3	3570	.4	8	15	29360	280
L175S 650E	.4	24430	14	32	48	1.1	3	3200	.4	9	23	35670	440
L175S 675E	.6	13920	1	18	21	1.1	3	1340	.4	5	12	33850	250
L175S 700E	.8	14310	7	19	23	.9	3	1490	.4	11	18	27580	190
L200S 625E	.7	14160	3	17	26	.9	3	1490	.4	16	11	29220	200
L200S 650E	1.9	20120	10	37	34	1.2	2	1260	.6	13	16	36480	320
L200S 675E	1.5	11750	4	15	19	1.1	5	830	.7	5	9	35600	140
L200S 700E 40M	1.0	19880	3	25	28	1.6	3	1410	.9	6	22	51810	190
L400E 225S	2.4	11150	6	15	13	1.1	5	3520	.6	10	27	34780	230
L540E 050S	.9	19680	10	23	17	.9	2	1140	.6	4	13	30340	200

(VALUES IN PPM)	LI	MG	MN	MO	NA	NI	P	PB	SB	SR	TH	U	V
L540E 075S	1	1690	69	1	140	1	680	19	2	12	1	1	186.3
L540E 100S	4	3600	223	2	140	1	1060	15	1	9	1	1	114.2
L540E 125S	12	3460	1097	2	320	1	1970	20	1	12	1	1	77.2
L540E 150S	3	2280	149	1	150	2	800	13	1	4	1	1	102.6
L540E 175S	1	1240	453	1	150	1	750	9	1	9	1	1	100.6
L540E 200S	2	1960	155	1	120	1	1070	10	1	2	1	1	86.0
L440E 050N	7	3040	152	1	100	2	1280	11	1	1	1	1	148.2
L440E 025N	1	2270	103	1	100	1	1160	10	2	3	1	1	153.7
L440E 000N	1	1780	116	1	120	1	1360	10	1	2	1	1	175.0
L440E 025S	3	4150	271	1	130	1	1470	15	6	3	1	1	126.3
L440E 050S	1	2120	66	1	130	1	860	12	1	5	1	1	145.0
L440E 075S	5	2350	150	1	120	1	1280	19	1	3	1	1	100.1
L440E 100S	7	3170	338	1	100	1	1160	10	1	5	1	1	107.8
L440E 125S	7	1500	226	1	90	1	870	12	1	1	1	1	59.8
L440E 150S	8	3530	190	2	110	2	940	18	6	1	1	1	127.4
L440E 175S 40M	6	3130	280	1	90	1	820	21	2	11	1	1	33.0
L440E 200S	5	3690	737	1	110	2	1270	18	1	4	1	1	63.7
L175S 625E 40M	3	2200	894	1	160	1	1280	16	1	8	1	1	69.5
L175S 650E	7	3100	1029	1	130	1	1430	17	1	7	1	1	67.9
L175S 675E	3	1790	317	1	90	1	1110	6	1	3	1	1	75.1
L175S 700E	3	2200	911	1	90	1	1090	9	1	4	1	1	68.6
L200S 625E	4	1610	901	1	100	1	1070	8	3	4	1	1	81.0
L200S 650E	7	2220	633	1	120	1	1460	12	1	2	1	1	89.1
L200S 675E	1	1090	83	1	90	2	610	7	2	4	1	1	152.6
L200S 700E 40M	3	2010	219	1	110	2	930	18	1	2	1	1	106.2
L400E 225S	1	2520	156	1	120	1	1450	12	3	12	1	1	192.1
L540E 050S	4	1710	82	1	100	1	1080	16	1	6	1	1	79.3

(VALUES IN PPM)	ZN	GA	SN	W	CR	AU-PPB
L540E 075S	25	1	3	1	23	5
L540E 100S	42	1	2	1	26	5
L540E 125S	66	1	2	2	13	25
L540E 150S	34	1	1	2	8	5
L540E 175S	27	1	1	1	6	5
L540E 200S	32	1	2	1	4	5
L440E 050N	45	1	2	1	36	10
L440E 025N	32	1	2	1	16	5
L440E 000N	35	1	2	1	20	25
L440E 025S	51	1	3	4	28	5
L440E 050S	32	1	2	1	24	10
L440E 075S	43	1	2	2	21	5
L440E 100S	54	1	3	3	22	5
L440E 125S	47	1	1	2	6	5
L440E 150S	51	1	2	1	10	5
L440E 175S 40M	43	1	1	1	14	5
L440E 200S	46	1	2	1	16	5
L175S 625E 40M	43	1	1	2	8	10
L175S 650E	59	1	1	1	8	20
L175S 675E	32	1	1	1	7	5
L175S 700E	33	1	2	1	7	5
L200S 625E	32	1	1	1	7	15
L200S 650E	39	1	1	1	6	5
L200S 675E	22	1	2	1	7	5
L200S 700E 40M	38	1	1	1	12	10
L400E 225S	22	1	3	1	33	25
L540E 050S	31	1	1	1	11	15

COMPANY: MPH CONSULTING | MIN-EN LABS ICP REPORT | V261 | (ACT:F31) PAGE 1 OF 1

PROJECT NO: | 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 | FILE NO: 8-178

ATTENTION: Y.S.HAWKINS | (604)980-5814 OR (604)988-4524 | * TYPE SOIL GEOCHEM * | DATE:FEB 17, 1988

(PPM)	L360E 02 5S	L360E 05 0S	L360E 07 5S	L360E 10 0S	L360E 12 5S	L360E 15 0S	L360E 00 0	L360E 02 5N	L360E 05 0N
AG	2.3	1.1	1.1	1.2	1.0	1.5	1.2	1.3	2.4
AL	24340	31750	22760	28670	27710	12260	29510	22910	16760
AS	4	13	5	8	11	2	15	10	15
B	24	27	16	19	21	6	20	14	11
BA	22	23	22	19	22	22	20	27	26
BE	1.9	1.5	1.3	1.6	1.6	.8	1.4	1.1	2.3
BI	20	12	13	15	15	17	20	15	29
CA	3410	2920	4470	2620	2830	2890	5020	6330	1930
CD	.4	.6	.4	.8	.7	.2	.3	.5	.2
CO	10	15	9	9	8	10	13	13	11
CU	25	42	23	30	29	15	49	33	26
FE	63040	46860	45140	50740	55330	24880	43690	35370	82200
K	220	200	250	330	230	610	270	250	210
LI	1	1	1	1	1	1	1	1	1
MG	3760	4560	4790	3020	3700	2130	7440	6780	2310
MN	164	931	262	535	299	323	538	720	120
MO	1	1	1	1	1	1	1	1	1
NA	150	150	190	140	140	190	170	170	100
NI	2	3	1	1	2	1	2	2	3
P	1500	1650	1330	1780	1480	1670	1470	1370	1480
PB	23	19	16	11	14	17	17	17	12
SB	2	1	1	2	1	1	1	1	3
SR	14	19	25	13	15	21	22	26	13
TH	1	1	1	1	1	1	1	1	1
U	1	1	1	1	1	1	1	1	1
V	166.1	115.2	100.3	122.3	139.1	183.2	118.7	99.3	264.8
ZN	44	48	39	37	35	21	43	49	32
GA	1	1	1	1	1	1	1	1	1
SN	3	2	2	2	2	2	2	2	4
W	2	2	2	2	2	1	2	2	2
CR	47	29	27	29	35	17	33	27	51
AU-PPB	2	22	3	1	4	1	21	1	1

RECEIVED FEB 2 3 1988

(VALUES IN PPM)	AG	AL	AS	B	BA	BE	BI	CA	CD	CO	CU	FE	K
L5+50W 0+00	3.1	20370	9	23	26	1.9	4	1380	1.3	8	25	63700	130
L5+50W 0+25S	1.6	39340	6	38	25	1.2	4	2560	.4	10	98	34170	200
L5+50W 0+50S	1.5	44670	5	41	23	1.5	4	560	.2	6	68	47740	100
L5+50W 0+75S	3.1	22160	12	21	27	2.2	6	690	1.1	7	27	75170	110
L5+50W 1+00S	1.7	31650	5	29	24	1.4	6	1220	.8	7	38	46580	150
L5+50W 1+25S	3.2	27550	9	28	29	2.0	11	1770	.7	9	28	67060	200
L5+50W 1+50S	.7	9490	3	8	33	.6	2	2180	.7	7	13	21390	290
L5+50W 1+75S	2.1	13430	8	14	25	1.3	7	1570	.4	7	10	41140	280
L5+50W 2+00S	1.8	18700	11	17	38	1.4	7	2830	.6	10	10	45420	360
L5+50W 2+25S	1.3	20530	8	20	36	1.5	7	2680	1.6	6	13	52200	390
L5+50W 2+50S	1.1	14450	5	15	50	1.3	6	3690	.2	8	13	42730	500
L5+50W 2+75S	1.2	18440	10	19	43	1.3	6	3280	1.3	15	18	42910	320
L5+50W 3+00S	1.2	16520	5	18	38	1.2	3	3240	1.4	10	17	38140	310
L5+50W 0+25N	2.2	21470	10	20	30	1.5	12	960	.5	7	34	54440	80
L5+50W 0+50N	3.0	28450	8	26	28	1.7	15	1280	1.4	9	46	56830	110
L5+50W 0+70N	4.2	14160	1	15	28	1.9	24	1760	1.1	10	24	65630	160

VALUES IN PPM	LI	MG	MN	MO	NA	NI	P	PB	SB	SR	TH	U	V
L5+50W 0+00	1	2560	171	1	40	1	1190	19	2	30	1	1	185.2
L5+50W 0+25S	2	8940	272	1	110	1	820	16	2	24	1	1	94.6
L5+50W 0+50S	1	2670	171	1	40	1	1400	21	3	21	1	1	110.7
L5+50W 0+75S	1	2130	153	1	30	2	1280	22	2	29	1	1	213.9
L5+50W 1+00S	1	2990	156	1	60	2	1150	13	2	25	1	1	127.2
L5+50W 1+25S	1	3950	134	1	70	1	1120	31	1	36	1	1	178.9
L5+50W 1+50S	1	1830	1818	2	100	1	1700	16	1	18	1	1	43.6
L5+50W 1+75S	1	1690	170	5	80	1	630	34	1	27	1	1	137.9
L5+50W 2+00S	1	3430	900	4	90	1	810	29	1	36	1	1	121.1
L5+50W 2+25S	2	4190	186	4	100	1	630	16	1	34	1	1	111.6
L5+50W 2+50S	1	2640	748	2	130	1	1300	41	1	32	1	1	91.1
L5+50W 2+75S	1	3320	1091	3	110	1	1140	20	1	29	1	1	81.5
L5+50W 3+00S	1	3740	666	3	130	2	1020	92	1	27	1	1	72.0
L5+50W 0+25N	1	3030	99	1	60	1	860	15	1	24	1	1	127.0
L5+50W 0+50N	1	3670	117	1	50	1	900	24	1	29	1	1	156.9
L5+50W 0+70N	1	2580	101	1	70	1	760	20	2	37	1	1	200.9

(VALUES IN PPM)	ZN	GA	SN	W	CR	AU-PPB
L5+50W 0+00	40	1	1	1	64	1
L5+50W 0+25S	64	1	1	1	51	1
L5+50W 0+50S	55	1	1	2	51	1
L5+50W 0+75S	36	1	1	1	54	3
L5+50W 1+00S	45	1	1	1	35	1
L5+50W 1+25S	50	1	1	1	43	1
L5+50W 1+50S	44	1	1	1	9	2
L5+50W 1+75S	40	1	1	1	18	4
L5+50W 2+00S	42	1	1	1	19	1
L5+50W 2+25S	49	1	1	1	24	3
L5+50W 2+50S	49	1	1	1	17	1
L5+50W 2+75S	54	1	1	1	20	4
L5+50W 3+00S	109	1	1	1	16	3
L5+50W 0+25N	38	1	1	1	46	1
L5+50W 0+50N	47	1	1	1	53	1
L5+50W 0+70N	37	1	1	1	48	3

COMPANY: MPH CONSULTING | MIN-EN LABS ICP REPORT | (ACT:F31) PAGE 1 OF 3

PROJECT NO: V 261 | 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 | FILE NO: 8-252/P1+2

ATTENTION: G.HAWKINS T.HAYES C.MAAS | (604)980-5814 OR (604)988-4524 | * TYPE SOIL GEOCHEM * | DATE:MAR 5, 1988

(VALUES IN PPM)	AG	AL	AS	B	BA	BE	BI	CA	CD	CO	CU	FE	K
L3E 475N	.8	39230	16	57	24	2.1	4	2360	.7	8	95	68990	190
L3E 490N	1.0	44380	12	62	28	2.1	5	3630	.7	17	180	66610	330
L4E 375N	.7	38320	19	54	29	1.8	4	4600	.4	17	247	54750	350
L4E 400N	1.2	19700	9	33	19	1.5	5	3350	.3	11	52	51520	250
L4E 422N	.8	34030	1	49	25	1.9	5	4600	.7	14	141	60490	340
L5E 100N	.5	36490	1	54	46	2.1	5	7320	1.0	16	140	66730	420
L5E 125N N/S													
L5E 150N	.7	41770	23	61	36	2.4	6	5480	.6	19	169	76860	320
L5E 175N	1.7	35200	9	52	19	2.7	7	2180	1.1	14	140	88060	210
L5E 200N	1.0	41630	21	57	29	1.9	4	4670	.8	22	210	57350	290
L5E 225N	1.1	28350	7	44	26	1.6	5	12500	.8	17	114	51250	310
L5E 250N	.8	43120	23	59	24	1.9	5	5210	.9	22	157	56110	270
L5E 275N	1.2	39910	8	57	28	2.0	6	5990	1.0	19	170	61410	330
L5E 300N	1.0	58370	13	77	27	1.8	5	7390	.4	39	420	55130	390
L5E 325N	1.3	34650	2	50	26	2.0	6	4840	.5	16	114	63570	360
L5E 350N	1.9	26240	12	43	20	1.5	5	4680	.7	18	95	48430	240
L5E 375N	1.6	30860	7	48	24	1.6	5	6840	.8	19	110	50490	220
L5E 400N	1.5	27550	6	44	26	1.7	5	6230	.3	14	88	55860	240
L5E 425N	1.8	39060	17	58	26	2.0	7	9500	.3	20	135	61860	280
L5E 450N	1.5	39880	16	58	22	2.1	7	6600	.5	21	147	66930	230
L5E 475N	1.7	43330	6	63	27	2.4	9	4560	.8	23	144	78490	370
L5E 483N	1.3	39780	13	56	27	1.9	6	4930	.5	21	140	58090	210
L6E 100N	.8	30530	21	50	36	1.9	5	11760	.4	18	127	58420	520
L6E 125N	.8	38830	18	59	39	2.4	6	6490	.5	25	125	78160	370
L6E 150N	3.3	13380	8	28	14	2.0	12	2580	.3	14	28	67010	200
L6E 175N	.8	41470	18	62	38	2.1	5	9630	.3	23	211	65590	500
L6E 200N	1.6	30240	9	51	28	1.7	6	14990	.3	21	199	52720	480
L6E 225N	1.4	30930	15	46	21	1.9	6	6920	.5	20	146	62700	240
L6E 250N	.9	29570	11	47	24	1.8	5	10070	.9	21	149	56680	480
L6E 275N	1.5	32690	3	48	21	2.0	6	3460	.3	12	110	67080	240
L6E 300N	1.2	30440	15	35	16	1.8	5	2570	.3	9	114	58780	390
L6E 325N	.7	46210	11	50	20	1.9	5	2230	.3	13	151	60540	190
L6E 350N	1.9	26890	1	31	20	2.6	8	2420	.5	7	56	87040	180
L6E 375N	1.7	29750	1	34	23	2.1	8	3100	.9	13	77	68980	180
L6E 400N	1.7	27490	1	32	19	2.2	7	2470	.3	8	168	69030	200
L6E 425N	1.5	20680	7	21	19	1.9	7	2670	.3	9	67	62980	280
L6E 450N	1.7	19750	8	21	27	2.1	7	3680	.6	9	53	67340	200
L6E 475N	.8	29960	1	31	22	2.0	6	3220	.5	17	90	65570	230
L6E 500N	1.0	46240	16	50	27	2.4	6	3370	.6	22	141	76640	230
L6E 512N	1.8	26740	4	31	25	2.6	8	4100	.3	15	91	84020	310

MIN-EN LABS ICP REPORT
705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

(VALUES IN PPM)		LI	MG	MN	MO	NA	NI	P	PB	SB	SR	TH	U	V
L3E 475N		8	4580	340	2	50	3	2190	14	8	1	1	1	129.5
L3E 490N		10	7960	972	1	60	3	1830	13	1	6	1	1	161.9
L4E 375N		10	11340	1252	1	70	1	1760	18	1	2	1	1	130.9
L4E 400N		5	6370	720	1	90	3	1560	15	4	1	1	1	133.9
L4E 422N		8	9280	862	1	70	1	1800	13	1	7	1	1	139.3
L5E 100N		16	21990	614	2	110	5	920	28	7	1	1	1	168.7
L5E 125N	N/S													
L5E 150N		17	19760	810	1	90	8	950	15	6	3	1	1	192.4
L5E 175N		11	11900	387	1	60	5	1270	19	8	4	1	1	192.5
L5E 200N		11	11730	1016	1	80	1	1760	21	2	5	1	1	137.7
L5E 225N		8	15290	847	1	120	5	5280	21	1	2	1	1	133.8
L5E 250N		11	10610	1549	1	80	5	1940	20	3	6	1	1	117.4
L5E 275N		9	13000	912	1	90	5	1890	16	1	1	1	1	157.7
L5E 300N		11	19550	1500	1	100	4	2730	25	5	9	1	1	140.2
L5E 325N		9	8790	709	1	70	2	1700	8	1	5	1	1	172.0
L5E 350N		8	6930	1251	1	80	3	1770	24	2	5	1	1	143.6
L5E 375N		8	7540	1613	1	70	1	2080	18	2	6	1	1	146.4
L5E 400N		8	7190	883	1	80	1	1760	16	1	6	1	1	164.8
L5E 425N		11	10370	1245	1	90	5	1840	17	1	2	1	1	184.9
L5E 450N		9	8900	952	1	90	1	1680	11	1	5	1	1	195.9
L5E 475N		11	9220	1070	1	80	3	1920	12	1	4	1	1	226.0
L5E 483N		7	8750	1913	1	80	2	1990	18	1	1	1	1	156.5
L6E 100N		12	20460	1200	1	140	15	1450	22	5	3	1	1	153.5
L6E 125N		18	20640	966	2	100	6	1270	23	8	4	1	1	194.5
L6E 150N		2	4390	117	1	100	2	890	13	4	1	1	1	349.3
L6E 175N		15	22420	1353	2	120	7	1330	26	1	9	1	1	168.7
L6E 200N		8	17250	1736	1	170	11	1770	27	1	6	1	1	156.6
L6E 225N		9	14020	1019	1	100	1	1130	21	1	7	1	1	169.1
L6E 250N		9	17090	1184	1	130	10	1620	21	1	8	1	1	137.3
L6E 275N		6	6370	612	1	90	3	1880	13	1	4	1	1	183.9
L6E 300N		9	4450	362	1	100	2	1690	19	2	5	1	1	143.9
L6E 325N		9	6210	443	1	60	2	1770	15	2	2	1	1	139.0
L6E 350N		6	3600	236	2	80	4	1580	13	1	7	1	1	199.1
L6E 375N		7	5490	652	1	100	5	1840	18	2	4	1	1	201.3
L6E 400N		6	3470	191	1	90	1	1830	16	1	2	1	1	177.1
L6E 425N		5	3430	229	1	90	1	1740	17	1	5	1	1	187.4
L6E 450N		6	3670	269	1	70	3	1360	19	1	1	1	1	212.4
L6E 475N		9	5750	674	1	70	3	1910	18	2	3	1	1	182.9
L6E 500N		11	7240	978	1	70	5	2170	22	3	6	1	1	179.1
L6E 512N		9	8280	608	2	120	4	1960	27	8	6	1	1	227.1

(VALUES IN PPM)		ZN	GA	SN	W	CR	AU-PPB
L3E 475N		30	1	1	1	45	3
L3E 490N		42	1	1	1	51	5
L4E 375N		51	1	1	1	41	11
L4E 400N		33	1	1	1	32	3
L4E 422N		44	1	1	1	42	2
L5E 100N		109	1	1	1	64	19
L5E 125N	N/S						
L5E 150N		89	1	1	1	74	18
L5E 175N		85	1	2	1	56	5
L5E 200N		66	1	1	1	57	81
L5E 225N		53	1	1	1	42	185
L5E 250N		57	1	1	1	81	25
L5E 275N		50	1	1	1	55	9
L5E 300N		53	1	2	1	59	21
L5E 325N		47	1	1	1	54	16
L5E 350N		45	1	2	1	47	4
L5E 375N		44	1	1	1	51	6
L5E 400N		43	1	2	1	44	35
L5E 425N		58	1	2	1	62	19
L5E 450N		42	1	2	1	61	43
L5E 475N		42	1	2	1	60	59
L5E 483N		52	1	1	1	57	21
L6E 100N		85	1	2	1	59	22
L6E 125N		110	1	1	1	68	19
L6E 150N		21	1	1	1	44	14
L6E 175N		93	1	1	1	74	20
L6E 200N		59	1	1	1	53	43
L6E 225N		51	1	2	1	53	101
L6E 250N		61	1	2	1	46	41
L6E 275N		34	1	1	1	50	22
L6E 300N		22	1	1	1	39	8
L6E 325N		31	1	1	1	52	18
L6E 350N		23	1	1	1	59	19
L6E 375N		31	1	1	1	50	42
L6E 400N		26	1	1	1	47	15
L6E 425N		32	1	1	1	39	23
L6E 450N		28	1	1	1	42	35
L6E 475N		39	1	1	1	47	36
L6E 500N		44	1	1	1	61	58
L6E 512N		43	1	1	1	58	130

Appendix IV

WHOLE ROCK ANALYSES

Appendix IV

WHOLE ROCK ANALYSES

The Jensen Cation Plot (ternary diagram) was used to aid in determining the original volcanic composition of 7 selected samples. The loss on ignition was subtracted from the wet weight percentage, resulting in the calculated dry weight percentage of the major oxides.

Sample	SiO_2	Al_2O_3	MgO	Fe_2O_3*	CaO	K_2O	Na_2O	TiO_2	MnO_2	Ba	Total
18515	57.1	19.5	2.1	9.2	4.2	1.6	4.9	1.2	0.2	0.7	100.7
18524	69.3	15.9	1.1	4.1	3.1	2.3	3.5	0.5	0.1	0.1	100.0
18537	50.7	18.1	5.1	11.7	9.2	1.0	2.6	1.2	0.4	-	99.6
18538	73.0	14.9	0.6	2.2	1.9	2.4	4.3	0.7	0.1	0.7	100.8
18539	50.6	17.6	9.6	10.2	6.8	1.4	2.7	0.7	0.3	0.5	100.4
18540	47.7	17.4	9.1	11.4	9.7	0.5	2.3	1.0	0.4	-	99.5
18541	70.4	15.5	1.4	3.5	3.2	1.1	4.0	0.4	0.1	0.1	99.7

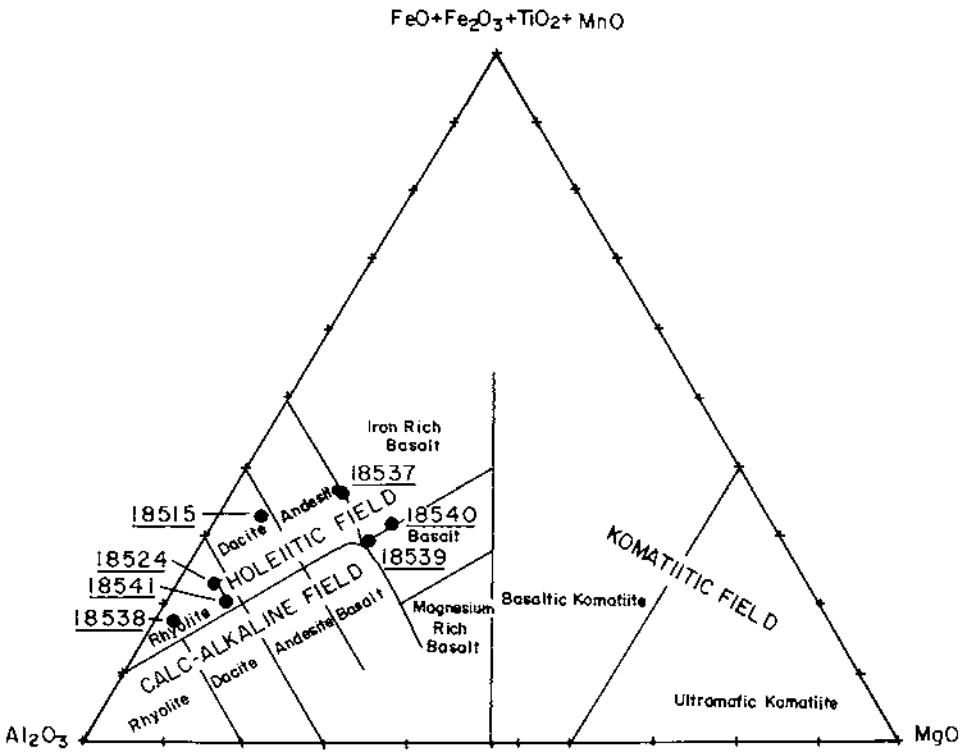
* Total Fe is expressed as Fe_2O_3

The ternary diagram plot data is as follows:

Sample	%Al_2O_3	MgO	Fe_2O_3+TiO_2+MnO_2*
18515	61	6	33
19524	73	5	22
18537	50	14	36
18538	81	3	16
18539	46	25	29
18540	45	23	32
18541	74	7	19

Analyses given as MnO_2 have not been converted to MnO.

These dry weight percentages were plotted on the Jensen ternary diagram. Five samples plot in the tholeiitic field, one on the border between the tholeiitic and calc-alkaline fields (sample 18540), and one in the calc-alkaline field (sample 18539) (Figure IV-1).



JENSEN CATION PLOT

CONSORT ENERGY CORPORATION

JENSEN CATION PLOT
OF WHOLE ROCK ANALYSES
LAZY GROUP PROJECT
HERBERT INLET, B. C.
ALBERNI MINING DIVISION

Project No.	V 261	By	C N
Scale	—	Drawn	D M
Drawing No.	IV - 1	Date	FEB. 1988

MPH Consulting Limited

MPH

ROCK TYPE

Sample	From Jensen Cation Plot	From Hand Specimen
18515	Dacite (tholeiitic)	Altered quartz-feldspar porphyritic dyke
18524	Rhyolite (tholeiitic)	Feldspar porphyritic dyke
18537	Iron-rich basalt/andesite (tholeiitic)	Basalt
18538	Rhyolite (tholeiitic)	Quartz-feldspar porphyritic dyke
18539	Mg-rich basalt (calc-alkaline) (gabbro)	Hornblende diorite
18540	Iron-rich basalt/basalt (tholeiitic/calc-alkaline)	Andesite dyke
18541	Rhyolite (tholeiitic) (quartz monzonite) close to dacite (calc-alkaline)	Quartz diorite

Appendix V

PETROGRAPHIC DESCRIPTIONS

SUMMARY OF PETROGRAPHY

LAZY PROJECT
Herbert Inlet, B.C.

Six rock samples from the Lazy property were selected for petrographic study (V261-TS-1 to V261-TS-6). Detailed descriptions of each hand specimen/thin section pair follow, with a schematic map showing field relations of the different rock types (Figure V-1). Whole rock analyses for four of the rock types described in thin section are presented in Appendix IV (locations in Figure V-1).

Thin section TS-1 shows the contact between an altered mafic volcanic and a rhyodacitic or rhyolitic intrusive dyke (quartz-feldspar porphyry). The contact is extensively altered with secondary prehnite.

Thin section TS-2 is from a similar contact between altered porphyritic basalt and quartz-feldspar porphyry. Samples of each rock type were selected for whole rock analysis; on a Jensen Cation plot (Figure IV-1), sample 18537 came out as an iron-rich tholeiitic basalt and sample 18538 as a tholeiitic rhyolite. However, these samples also plot close enough to the calc-alkaline field to be called basalt and rhyodacite.

Thin section TS-3 is of a uralitized pyroxene gabbro with subophitic and poikilitic textures. The pyroxene has been replaced by hornblende. Whole rock analysis for sample 18539 confirms a basaltic (gabbroic) composition.

Thin section TS-4 shows the contact between an altered basalt and a quartz dioritic intrusive. The intrusive texture is well exhibited, with apophyses of quartz diorite intruding into the basalt. The composition of the intrusive is more quartz-rich than a typical quartz diorite, but as no potassium feldspar was identified, it could not be classified as granodiorite. The term tonalite would be most appropriate; other possible names are trondhjemite or "plagiogranite".

A similar intrusive rock is shown in thin section TS-5, intruding a gabbro similar to that in TS-3.

Thin section TS-6 is of a feldspar porphyritic dyke, with altered hornblende phenocrysts also. It looks like an andesite or dacite in hand specimen. A whole rock analysis of sample 18524, supposed to be an equivalent rock type, came out as a tholeiitic rhyolite on the Jensen Cation plot (Figure IV-1). However, if this rock were interpreted as belonging to the calc-alkaline suite, it would plot near the dacite-andesite boundary. The whole rock analysis is nearly identical to a typical quartz diorite (tonalite) analysis (Hyndman, 1972, Petrology of Igneous and Metamorphic Rocks, p. 12).

The Jensen Cation plot is considered less useful than petrographic analysis for designating rock names, partly because it is limited in what it portrays. For instance, silica is not represented. Another problem is that the rocks are all altered, and the whole rock analysis does not reflect the original magmatic composition, whereas in thin section one can "see through" the alteration to the original minerals and textures.

Alteration in this suite of rocks is similar throughout. Original pyroxene has been uralitized to amphibole; some amphibole and biotite have been altered to chlorite $\pm$ epidote $\pm$ sphene $\pm$ opaques. All of the feldspar (plagioclase) has been partially or extensively altered to sericite and saussurite, with some alteration to prehnite. Veins consist of mainly prehnite, with minor quartz, epidote, and calcite. Prehnite also occurs as pervasive alteration throughout some of the rocks, replacing plagioclase as well as occurring along fractures.

The suite of rocks studied in thin section was selected to identify various igneous rock types distinguished in the field, and to investigate types of alteration. No significant mineralization was noted, although minor pyrite was observed.

The petrographic study and schematic diagram of field relations (Figure V-1) show that there is a trend from mafic to felsic igneous rocks with time. The oldest rocks are the basaltic volcanic rocks (TS-1, TS-2, TS-4), mapped as Triassic, and the pyroxene (now hornblende) gabbro (TS-3, TS-5), mapped as Jurassic diorite. The quartz diorite (TS-4, TS-5) apparently crosscuts the gabbro; it is also mapped as Jurassic. Although the feldspar porphyry

(dacite to andesite) (TS-6) is mapped as Tertiary, it is similar in composition to the quartz diorite (TS-4, TS-5), and may be related to the Jurassic intrusions. The quartz-feldspar porphyry (rhyodacite) (TS-1, TS-2) is the relatively youngest rock type studied in thin section, and has been mapped as Tertiary.

In all cases, prehnite alteration (and veining) postdates other alteration in the rocks, as well as postdates emplacement of the youngest intrusions. The prehnite alteration is most pervasive in rocks with the younger, quartz-feldspar porphyry, suggesting a relationship between felsic intrusions and hydrothermal alteration.

PETROGRAPHIC REPORT **by J.S. Getsinger, PhD** J.S. Getsinger

For Consort Energy Corp. **Date** 88-02

Project V261 - Herbert Inlet **Collector** Chris Naas

Sample V261-TS-1 **Date Collected** 88-02

Location: Lazy K4 claim, Cotter Creek area, E. of Herbert Inlet, Vancouver Is.

Rock Type: Prehnite-altered rhyodacitic dyke/basaltic host rock

Hand Specimen: Fine-grained, dark green rock is intruded by lighter green porphyry with white phenocrysts. The area near the contact is whiter than elsewhere. There is no reaction to HCl or magnet. The darker green rock is fine-grained, crystalline, probably andesite or basalt. The porphyry has about 25% cloudy white, subhedral phenocrysts (rectangular to subrounded), probably feldspar (1-3 mm), with another 10-15% smaller, similar grains in groundmass. Clear grey phenocrysts (5%) may be quartz. About 5% clumps of shiny black grains may be altered mafic phenocrysts such as amphibole or pyroxene. Alteration includes minor shiny reddish-brown material, and white veinlets (quartz?) (<1 mm) with whitish alteration haloes (up to 5 mm) on either side.

THIN SECTION (Polished No):

% (Approx.) MINERALS

(Section is dominantly rhyodacite:)

Phenocrysts:

5-10% Quartz - Euhedral to anhedral, clear of inclusions

(10-15%) Plagioclase - Turbid, with vague relict albite twinning; extensively altered to prehnite

5% Pyroxene(?) - Blocky shapes, altered to prehnite ± chlorite ± opaques

Groundmass:

50% Quartz ± feldspar - Very fine-grained granular texture

5% Chlorite (± actinolitic amphibole) - In the less altered area; green, fine-grained; alteration mineral or groundmass of more mafic composition (basaltic host rock in one area of slide)

<2% Opaques - Fine-grained; also as alteration of phenocrysts

Alteration:

25-30% Prehnite - Lath-like to radiating clusters, with med. biref.; parallel extinction; occurs as random laths overall, as replacement of phenocrysts (except quartz), and in comb structure in quartz veins; (+)2V > 80, r > v; dominates groundmass up to edge of alteration front(?)

Rock Textures/Structures: Porphyritic texture with phenocrysts of quartz, plagioclase, and pyroxene(?) suggest original volcanic rock of rhyodacite composition at one end of slide; mafic volcanic at other end; overprinted at contact with random to vein prehnite.

Protolith: Rhyodacite; basalt

Alteration/Mineralization: Chlorite (from altered mafics). Prehnite (from altered feldspar and hydrothermal alteration). Prehnite alteration is pervasive, late.

Conditions of Formation: Rhyodacitic quartz-feldspar porphyry intruded altered(?) mafic volcanic host rock. Hydrothermal alteration involving introduction of prehnite followed.

PETROGRAPHIC REPORT **by J.S. Getsinger, PhD** J.S. Getsinger

For Consort Energy Corp. **Date** 88-02

Project V261 - Herbert Inlet **Collector** Chris Naas

Sample V261-TS-2 (18537/18538) **Date Collected** 88-02

Location: Lazy K4 claim, Cotter Creek area, E. of Herbert Inlet, Vancouver Is.

Rock Type: Altered porphyritic mafic volcanic and quartz-feldspar porphyry

Lithogeochemistry: (A) Basalt (Sample 18537): 49.02% SiO_2, 17.44% Al_2O_3, 11.30% Fe_2O_3, 8.87% CaO, 4.91% MgO, 0.96% K_2O, 2.47% Na_2O, 0.39% MnO_2, 1.15% TiO_2, 0.03% Ba, 0.04% Sr, 0.90% L.O.I., 0.04% S (whole rock); 1.9 ppm Ag, 9 ppb Au.

(B) Intrusive (Sample 18538): 70.46% SiO_2, 14.34% Al_2O_3, 2.11% Fe_2O_3, 1.83% CaO, 0.58% MgO, 2.27% K_2O, 4.14% Na_2O, 0.09% MnO_2, 0.25% TiO_2, 0.07% Ba, 0.03% Sr, 1.50% L.O.I., 0.01% S (whole rock); 0.8 ppm Ag, 5 ppb Au.

Hand Specimen: A) Dark green, fine-grained rock with dark green groundmass and about 15-20% grey, rounded phenocrysts (relict feldspar). Black areas may be altered mafic phenocrysts. Tiny cracks react in HCl, indicating calcite alteration along fractures, especially near altered phenocrysts. About 1% disseminated pyrite.

B) Light green rock has 20-30% cloudy white feldspar phenocrysts (1-3 mm); about 5% clearer, grey, rounded quartz phenocrysts (up to 1 cm); and about 5-10% hornblende phenocrysts (up to 1 by 5 mm), partially altered to chlorite. Chlorite is also finely disseminated throughout grey groundmass (10%). About 1% disseminated pyrite.

White veinlets (up to 1-2 mm) occur in the host rock near and subparallel to the contact with the porphyry.

THIN SECTION (Polished No):

% (Approx.) MINERALS

A) Host Rock Feldspar-porphyritic andesite to basalt

25% Phenocrysts:

Feldspar - Euhedral to subhedral (1-3 mm); mainly altered to sericite; vague relict twinning (probably plagioclase)

75% Groundmass:

20% Chlorite - Green, fine-grained
10% Actinolite - Bluish-green amphibole, occurs in pockets near altered feldspar, with chlorite
70% Feldspar - Tiny laths, altered to sericite, random texture

% (Approx.) MINERALS (continued)

B) Dyke Rhyodacite (Quartz-plagioclase porphyry)

35-40% Phenocrysts:

30-35% Quartz - Rounded phenocrysts (up to 7 mm in section); clearer of inclusions than feldspar; uniaxial(+); also in groundmass
60-65% Plagioclase - Blocky phenocrysts, largely altered with finely disseminated sericite throughout; relict Carlsbad-albite twins; somewhat glomeroporphyritic
5% Mafic phenocrysts, altered to chlorite

60-65% Groundmass:

Finer-grained quartz and feldspar, with chlorite, epidote alteration
2% Opaques - Disseminated and in altered phenocrysts

Veins and alteration - Prehnite, quartz, carbonate, epidote

Rock Textures/Structures: Mafic porphyry has sericitized plagioclase phenocrysts; felsic porphyry has euhedral quartz and altered plagioclase phenocrysts. Contact is sheared, with late prehnite-quartz veins.

Protolith: Rhyodacite (quartz-plagioclase porphyry) and andesite to basalt (plagioclase porphyry).

Alteration/Mineralization: Feldspar is sericitized; pervasive prehnite alteration; minor epidote, calcite alteration.

Conditions of Formation: Intermediate to mafic porphyry is intruded by felsic porphyry, hydrothermally altered, veined.

PETROGRAPHIC REPORT **by J.S. Getsinger, PhD** J.S. Getsinger

For Consort Energy Corp. **Date** 88-02

Project V261 - Herbert Inlet **Collector** Chris Naas

Sample V261-TS-3 (18539) **Date Collected** 88-02

Location: Lazy K4 claim, Cotter Creek area, E. of Herbert Inlet, Vancouver Is.

Rock Type: Hornblende (pyroxene) gabbro

Lithogeochemistry: 48.37% SiO_2, 16.76% Al_2O_3, 9.71% Fe_2O_3, 6.47% CaO, 9.31% MgO, 1.34% K_2O_3, 2.54% Na_2O, 0.28% MnO_2, 0.64% TiO_2, 0.051% Ba, 0.03% Sr, 2.10% L.O.I., 0.01% S (whole rock); 1.1 ppm Ag, 13 ppb Au.

Hand Specimen: Brown, rounded-weathering, granular-textured rock with 50% white and 50% dark green interlocking grains (0.5 to 5 mm). Non-magnetic. Blocky, shiny greenish-black mafic mineral (amphibole or pyroxene) encloses inclusions of, and is also surrounded by, feldspar. Both are subhedral to anhedral. Yellow stain shows feldspar to be partially altered to sericite. No reaction to HCl.

THIN SECTION (Polished No):

% (Approx.) MINERALS

50-60	Hornblende - Pseudomorphic after pyroxene (uralitized pyroxene); subhedral coarse-grained, blocky, granular to ophitic texture; amphibole cleavage; X = pale yellow, Y = pale olive green, Z = pale bluish-green, Z = Y > X; Z' to c = 17°; (-)2V > 85, r > v; poikilitic with plagioclase; partly surrounds plagioclase also; locally weakly zoned from brownish olive to bluer green
35%	Plagioclase - As inclusions and interstitial to larger mafic grains; cores mainly altered to sericite (stains yellow); zoned to unaltered rims; vague Carlsbad, albite twins (some bent); fresher grains with clearer twinning may be albite to oligoclase (low extinction angle); altered grains were likely more calcic.
5%	Chlorite - Very pale green, in radiating clusters; anomalous blue biref.; alteration of hornblende
<2%	Opaques - Disseminated grains and as black dust in altered hornblende
<1%	Sphene - Euhedral, small
<5%	Prehnite - Pockets of radiating prehnite occur as alterations of feldspar, and in veinlets

Rock Textures/Structures: Holocrystalline, hypidiomorphic. Coarse grain size, ophitic texture suggest origin as intrusive gabbro. Poikilophitic texture and relict zoning are visible in the hornblende.

Protolith: Pyroxene gabbro

Alteration/Mineralization: Plagioclase is patchily altered to sericite, saussurite; uralitization of pyroxene; chloritizatioin of amphibole; prehnite alteration of feldspar.

Conditions of Formation: Mafic intrusive rock has been uralitized (possibly metamorphosed), and hydrothermally altered, forming chlorite, prehnite.

PETROGRAPHIC REPORT **by J.S. Getsinger, PhD** J.S. Getsinger

For Consort Energy Corp. **Date** 88-02

Project V261 - Herbert Inlet **Collector** Chris Naas

Sample V261-TS-4 **Date Collected** 88-02

Location: Lazy K4 claim, Cotter Creek area, E. of Herbert Inlet, Vancouver, Is.

Rock Type: Basaltic volcanic with intrusive dykelets (tonalite)

Hand Specimen: White-weathering, medium-grained intrusive and browner-weathering basaltic host rock. Narrow dykelets and apophyses (0.1 to 3 cm) of quartz diorite(?) intrude dark green basalt(?) with mafic phenocrysts in a granular crystalline groundmass resembling microgabbro. No reaction to HCl. Volcanic has blocky pyroxene(?) phenocrysts, altered to chlorite(?) and groundmass of crystalline feldspar and chlorite. Quartz diorite is coarser-grained (1-2 mm) with subhedral, white, milky feldspar (40-50%), grey quartz (10-15%?), chlorite (20-25%) (may be from altered amphibole).

THIN SECTION (Polished No):

% (Approx.) MINERALS

A) Volcanic (basalt)

50%	Feldspar (Plagioclase) - Rectangular, lath-like, interlocking grains, turbid, somewhat altered to sericite, with vague Carlsbad twins
(10-15%)	[Pyroxene(?)] - Square, blocky shapes, pseudomorphed by chlorite, epidote, and sphene, poikilitic with feldspar
25%	Hornblende - Subhedral grains the same size as feldspar; X = pale yellow, Y = olive green, Z = bluish green; Z = Y > X; amphibole shape and cleavage
(5%)	(?) - Relict [olivine(?)], rounded shapes, clear of inclusions, with dark bands or rims, replaced by chlorite (anom. blue/brown).
15-20%	Chlorite - Pale green; with anomalous blue/brown biref. Replaces mafic phenocrysts; also occurs as globular masses (possibly replacing mafic minerals)
2- 3%	Epidote - In veinlets; replacing mafic minerals
2- 3%	Prehnite - In veinlets; replacing feldspar
<1%	Opaques - Fine-grained, sparse; opaque to reddish

B) Intrusive (tonalite or quartz diorite)

30-40%	Quartz - Large grains, granular texture with feldspar; also in veinlets
40%	Feldspar (plagioclase) - Turbid, subhedral, with Carlsbad and albite twins, 50% altered to sericite, saussurite
20%	Pseudomorphs after rectangular mafic minerals: Chlorite - Pale green, platy, anomalous blue biref. Sphene - High relief, brownish Epidote - Yellow pleochroic, med.-high biref.
<5%	Prehnite - Occurs in veinlets and as late overprints

Rock Textures/Structures:

A) Porphyritic volcanic texture; replacement textures.
B) Larger grain size, holocrystalline granular.

Protolith:

A) Basaltic volcanic.
B) Quartz diorite or tonalite or trondhjemite ("plagiogranite").

Alteration/Mineralization:

A) Sericitization of feldspar; chloritization of mafic phenocrysts; epidote alteration; prehnite.
B) Mafics are altered to chlorite $\pm$ sphene $\pm$ epidote; plagioclase is sericitized, saussuritized; addition of quartz on veinlets.

Conditions of Formation: Mafic volcanic has been intruded by quartz-plagioclase intrusive; both show alteration of mafic minerals to chlorite, and hydrothermal prehnite.

PETROGRAPHIC REPORT **by J.S. Getsinger, PhD** J.S. Getsinger

For Consort Energy Corp. **Date** 88-02

Project V261 - Herbert Inlet **Collector** Chris Naas

Sample V261-TS-5 **Date Collected** 88-02

Location: Lazy K4 claim, Cotter Creek area, E. of Herbert Inlet, Vancouver Is.

Rock Type: Quartz diorite (or tonalite) in contact with gabbro

Hand Specimen: White-weathering, medium-granular crystalline quartz diorite(?) intruding coarser-grained, mafic intrusive (gabbro?). Area adjacent to contact (5-10 mm) is depleted in mafic minerals on the quartz diorite side. Non-magnetic. Leucosome consists of quartz (10-15%), white feldspar (60%), green chlorite (20%), minor pyrite, and milky-white veinlets and alteration. Melanosome is apparently gabbro, with large and small black, anhedral to subhedral (hornblende) grains intergrown with feldspar. Some of the larger grains look like lithic fragments with feldspar phenocrysts but may be mafic oikocrysts with euhedral feldspar inclusions.

THIN SECTION (Polished No):

% (Approx.) MINERALS

A) Quartz diorite (tonalite)

30%	Quartz - Clear, large, anhedral; interstitial to plagioclase
50%	Feldspar (plagioclase) - Albite, Carlsbad twins; sericitized, saussuritized; turbid; subhedral
20%	Mafic minerals, pseudomorphed by: Chlorite (replacing relict biotite) - Light green, platy Opaques - Fine-grained, along cleavage planes
<5%	Prehnite - Occurs in crosscutting veins and as alteration of feldspar

B) Gabbro

40%	Relict pyroxene(?) (amphibole) - Now altered to chlorite and amphibole; poikilitic with felspar inclusions; amphibole is palest yellow, green, blue-green pleochroic (actinolitic hornblende)
60%	Feldspar - Subhedral, with albite to Carlsbad twins, of varying grain size. Smaller, euhedral grains are enclosed within chlorite (pseudomorphs of pyroxene?). Sericitized, saussuritized
<5%	Prehnite - In veinlets and replacing feldspar

Rock Textures/Structures:

A) Subhedral granular texture.

B) Seriate poikilophitic texture. Pyroxene shapes replaced by amphibole, chlorite.

Protolith:

A) Quartz diorite or tonalite or trondhjemite

B) Gabbro

Alteration/Mineralization:

A) Biotite is altered to chlorite; feldspar to sericite, saussurite. Prehnite veins.

B) Uralitization of pyroxene; sericitization, saussuritization of feldspar; prehnite.

Conditions of Formation: It is not clear which rock intruded the other, although presumably the gabbro is older than the tonalite as shown on field map. They were both altered after emplacement. The prehnite veins postdate other alteration effects.

PETROGRAPHIC REPORT **by J.S. Getsinger, PhD** J. S. Getsinger

For Consort Energy Corp. **Date** 88-02

Project V261 - Herbert Inlet **Collector** Chris Naas

Sample V261-TS-6 (18524) **Date Collected** 88-02

Location: Lazy K4 claim, Cotter Creek area, E. of Herbert Inlet, Vancouver Is.

Rock Type: Intermediate feldspar porphyry

Lithogeochemistry: 66.90% SiO_2, 15.29% Al_2O_3, 3.99% Fe_2O_3, 2.97% CaO, 1.02% MgO, 2.21% K_2O, 3.34% Na_2O, 0.13% MnO_2, 0.49% TiO_2, 0.058% Ba, 0.03% Sr, 0.60% L.O.I., 0.05% S (whole rock); 1.4 ppm Ag, 3 ppb Au.

Hand Specimen: Greenish-grey, fine to medium-grained porphyry with greenish-white subhedral to rounded feldspar (plagioclase) phenocrysts (1-2 mm). Crystals are visibly zoned with greenish-altered cores and milky-white rims. Striations are visible on some, indicating plagioclase. Groundmass is composed of finer-grained feldspar and abundant chlorite. Clumps of chlorite may be altered mafic phenocrysts. White veinlets (1 mm) do not react in HCl except where filled also by soft, grey calcite, as the vein in thin section. Altered feldspar reacts weakly in HCl throughout. Veinlet in thin section offcut slab has yellow-greenish-white alteration (up to 5 mm) with disseminated pyrite.

THIN SECTION (Polished No):

% (Approx.) MINERALS

Porphyry:

60%	Plagioclase - Zoned, with albite twinning; sericitized, saussuritized particularly in core. Fresher grains are oligoclase. Large euhedral to subhedral laths are surrounded by smaller, similar grains
20%	Chlorite - Green, with low biref. Occurs interstitial to plagioclase and also as an alteration product of mafic phenocrysts
5%	Epidote - High relief, med.-high biref.
2%	Sphene(?), Leucoxene(?) - Brownish, high relief material
10%	Prehnite - Biref. 0.023, med. relief; parallel extinction; tabular prismatic to radiating habit; occurs as alteration around plagioclase and near vein
3- 5%	Opaques - Skeletal grids in relict crystal shapes, could be ilmenite(?); some pyrite was observed in hand specimen
<1%	Apatite - Hexagonal, prismatic, length fast, grey biref. A few euhedral grains

Vein:

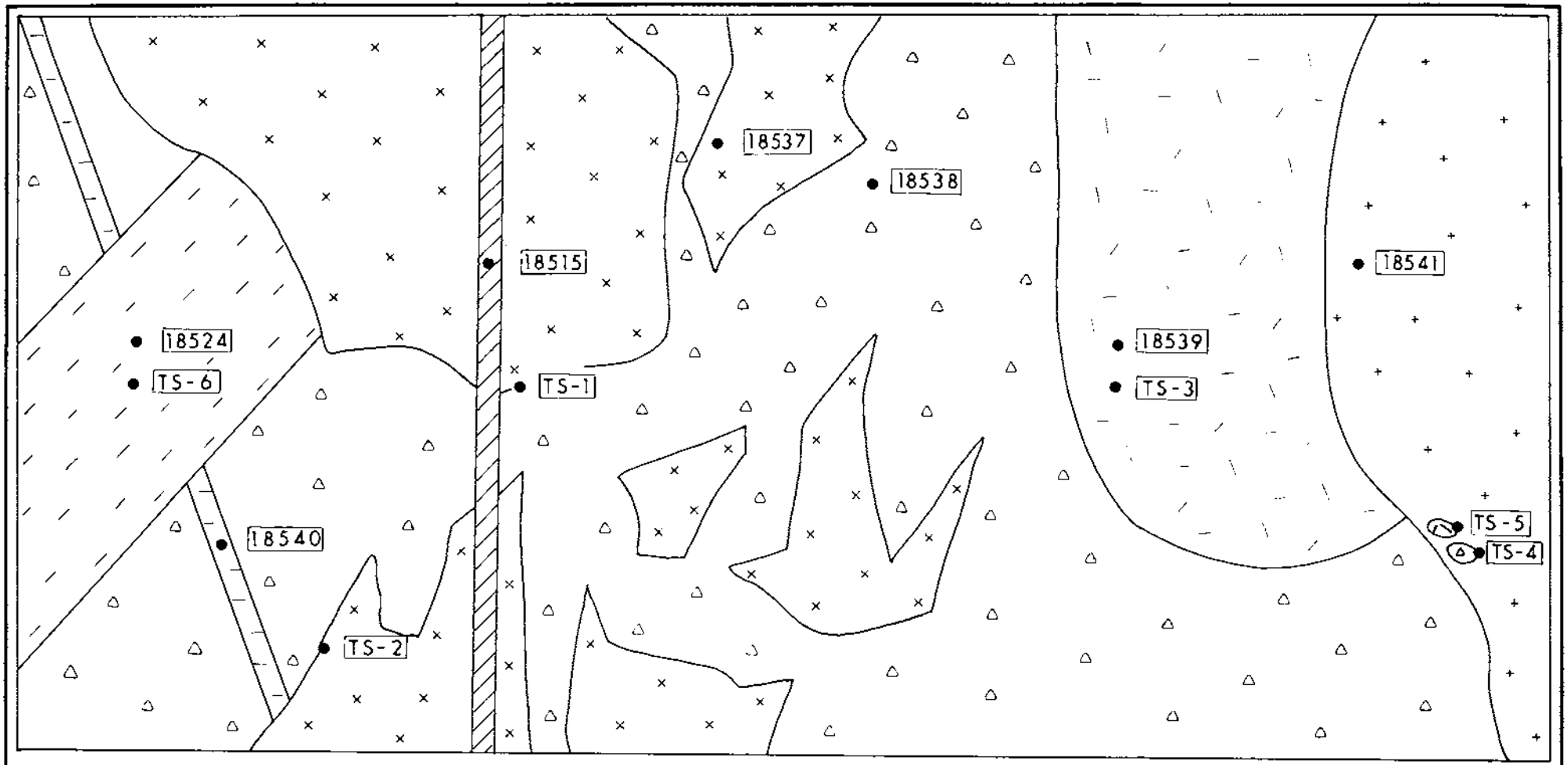
50%	Prehnite - Occurs in subhedral, radiating laths along edge of vein, protruding in toward calcite
5%	Quartz - Minor, in parts of vein without calcite
40%	Calcite - Large grains with twin lamellae, in centre of vein
5%	Epidote(?) - Yellowish, high relief

Rock Textures/Structures: Rectangular shapes (formerly amphibole?) are replaced by chlorite ± epidote ± opaques. Texture is seriate porphyritic, with plagioclase making up most of rock.

Protolith: Dacite (not rhyolite); whole rock analysis is consistent with quartz diorite or tonalite.

Alteration/Mineralization: Plagioclase is partly altered to sericite and saussurite. Mafic phenocrysts are completely pseudomorphed by chlorite ± epidote ± opaques. Alteration related to vein includes prehnite, calcite, epidote, minor quartz (rock is not silicified).

Conditions of Formation: Hypabyssal intrusion of intermediate magma, followed by cooling, and later hydrothermal alteration (prehnite conditions).



LEGEND

GEOLOGY

TERTIARY (?)

- Quartz feldspar porphyry dyke
- Feldspar porphyry dyke

JURASSIC

- Diorite/quartz diorite
- Hornblende diorite

TRIASSIC

- Andesite dyke
- Massive basalt

SYMBOLS

- Shear zone
- 18524 Whole rock sample
- TS-2 Thin section sample

10 m

CONSORT ENERGY CORPORATION

SCHEMATIC DIAGRAM SHOWING GEOLOGY WHOLE ROCK AND THIN SECTION LOCATIONS
LAZY GROUP PROJECT
HERBERT INLET, B.C.

Project No:	V 261	By:	C. N
Scale:	Schematic	Drawn:	J. S
Drawing No:	V-1	Date:	FEBRUARY 1988.

MPH MPH Consulting Limited

Appendix VI

CONVERSION FACTORS FOR METRIC UNITS

CONVERSION FACTORS FOR METRIC UNITS

1 inch	=	25.4 millimetres	(mm)
		or 2.54 centimetres	(cm)
1 cm	=	0.394 inch	
1 foot	=	0.3048 metre	(m)
1 m	=	3.281 feet	
1 mile	=	1.609 kilometres	(km)
1 km	=	0.621 mile	
1 acre	=	0.4047 hectares	(ha)
1 ha	=	2.471 acres	
1 ha	=	100 m x 100 m - 10,000 m^2	
1 km^2	=	100 ha	
1 troy ounce	=	31.103 grams	(g)
1 g	=	0.032 troy oz	
1 pound	=	0.454 kilogram	(kg)
1 kg	=	2.20 lb	
1 ton (2000 lb)	=	0.907 tonne	(t)
1 tonne	=	1.102 ton = 2205 lb	
1 troy ounce/ton (oz/ton)	=	34.286 grams/tonne	(g/t)
1 g/t	=	0.0292 oz/ton	
1 g/t	=	1 part per million	(ppm)
1 ppm	=	1000 parts per billion	(ppb)
10,000 g/t	=	1%	

STRATHCONA PARK BOUNDARY

Moyeha Bay

HERBERT INLET

9 Au, 8·4 Ag, 292 Pb
6 Au, 48·8 Ag, 2752 Pb, 90 Sb, 473 Zn

23112 4 Au, 11·0 Ag, 327 Pb
23111 7 Au, 44·1 Ag, 1752 Pb, 114 Sb

23132 xenoliths of Unit 3

BEACH C.G. (2794)

CREEK C.G. (2795)

MINE SPUR LINEAMENT

COTTER CREEK FAULT

AREA SHOWN ON FIGURE 6

2NK 5E (2958) LCP LAZY K-4
(2925) 2NK 1W LAZY K-1 LCP
LAZY K-3 LCP (2927) 4S × 5W
LCP LAZY K-2 (2926) 4S × 5E

CANYON SPUR LINEAMENT

LAKE CREEK LINEAMENT

MINE CREEK LINEAMENT

CANYON CREEK LINEAMENT

RIDGE LAKE

OCEAN LINEAMENT

RIDGE LINEAMENT

LAKE LINEAMENT

Ocean Cr.

Mine Creek

Silent Cr.

S-3

317 Bo 23133

113 Zn, 156 V H-501 H-502 H-503

Gibson Creek

LCP LAZY K-5 (3344) 2S × 5E

Teds Creek

Gibson Cove

Cape

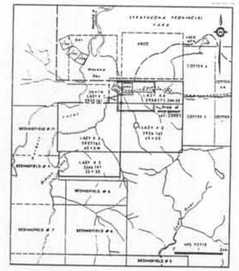
River

PRELIMINARY RECONNAISSANCE TYPE MAPPING

SCALE 1:10000

CONTOUR INTERVAL 20 m

McElhanney Ref. No. 1149-10



GEOLOGY

TERTIARY ?

QFSP Dykes of quartz-feldspar porphyry

FSP Dykes of feldspar porphyry

JURASSIC

6 Island Intrusions
Granodiorite : commonly contains abundant basalt xenoliths.

5 Diorite : medium-grained, locally quartz diorite. Locally contains basalt and hornblende diorite xenoliths.

4 Hornblende diorite : medium-grained

TRIASSIC

3 Karmutsen Formation
Volcanics : mainly fine-grained, dark green massive basalt. Locally andesite layers and/or dykes.
3a : diabasic sill ?

UPPER PALEOZOIC Sicker Group ?

2 Limestone : massive, white, generally recrystallized.

1 Sediments : interbedded cherty siltstone, argillite, basalt, laminated limestone and cherty limestone.

SYMBOLS

- Lineation
- Jointing inclined; dip vertical
- Shear zone/fault
- Vein inclined; dip vertical
- Foliation
- Geological contact (approximate)
- Fault (assumed)
- ▲ 23137 Rock sample
- • TS-3 Thin section sample
- × H 213 Rock sample (float)
- • S-2 Silt sample
- Helicopter landing pad
- Trench
- Bridge
- Legal Claim Post and claim boundary
- Grid line
- Aerial photo lineament
- Road
- Trail
- Creek

Note: Sample results are Au in ppb, others in ppm unless otherwise noted.

0 50 100 150 200 metres

CONSORT ENERGY CORPORATION

PROPERTY PLAN, GEOLOGY AND SAMPLE LOCATIONS
LAZY GROUP PROJECT

HERBERT INLET, B.C.
ALBERNI MINING DIVISION

Project No:	V 261	By:	C.N.
Scale:	1 : 10000	Drawn:	J.S.
Drawing No:	5	Date:	FEBRUARY 1988

MPH Consulting Limited

17,728

GEOLOGICAL BRANCH ASSESSMENT REPORT

125°53'50" 49°24'42"

125°52'34" 49°24'42"

Herbert Inlet

BEACH (2794)

CREEK (2795)

Xenoliths of Unit 3

Xenoliths of Unit 4

Xenoliths of Unit 3

Xenoliths of Unit 3

Xenoliths of Unit 3

Corner Creek

Silver Creek

Ridge Creek

Canyon Creek

MINE SPUR LINEAMENT

CANYON CREEK LINEAMENT

CANYON PEAK LINEAMENT

MINE CREEK LINEAMENT

ARC CREEK LINEAMENT

L 6+00W L 5+50W L 5+00W L 4+00W L 3+00W L 2+00W L 1+00W L 0+00 L 1+00E L 2+00E L 3+00E L 3+50E L 4+00E L 5+00E L 6+00E

5+00N 4+00N 3+00N 2+00N 1+00N Baseline 1+00S 2+00S 3+00S

1934 1935 1936 1937

TRENCH A SAMPLES

18515 - 4 Au
18516 - 24 Au
18517 - 6 Au
18518 - 8 Au
18519 - 300 Au (0·32 g/t)
18520 - 188 Au
18521 - 12 Au
19190 - 215 Au, 178 Sr
19191 - 1800 Au, (2·21g/t)
19192 - 29 Au
19193 - 163 Au
19194 - 17 Au
19195 - 9 Au
19197 - 302 Au (0·34g/t)
23143 - 580 Au
23144 - 490 Au
19196 - 1 Au, 6·7 Ag, 35 Bi

TRENCH A

TRENCH B (samples listed below)

TRENCH B SAMPLES

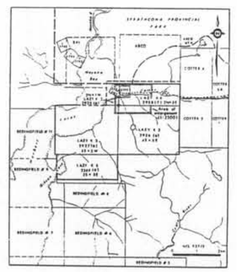
18502 - 2 Au, 3·2 Ag
18503 - 1000 Au (1·06g/t), 68 Cd, 2634 Zn
18504 - 4000 Au (4·29g/t), 192 Cr
18525 - 54 Au
18526 - 30 Au
18527 - 77 Au
18528 - 6 Au
18529 - 136 Au, 277 Cu
18530 - 8 Au
18531 - 14 Au
18532 - 226 Au, 209 Cr
18533 - 161 Au
18534 - 310 Au (0·33g/t)
18535 - 16 Au
19187 - 178 Au, 3·2 Ag

SEE FIGURE 7

SEE FIGURE 8

LAZY K 1 (2925) 2N×1W LCP | LCP LAZY K 4 (2958) 2N×5E
LAZY K 3 (2927) 4S×5W LCP | LCP LAZY K 2 (2926) 4S×5E

49°24'03" 125°53'50" 125°52'34"



LEGEND

GEOLOGY

TERTIARY ?
- QFSP — Dykes of quartz-feldspar porphyry
- FSP — Dykes of feldspar porphyry

JURASSIC — Island Intrusions
- 6 — Granodiorite : commonly contains abundant basalt xenoliths.
- 5 — Diorite : medium-grained, locally quartz diorite. Locally contains basalt and hornblende diorite xenoliths.
- 4 — Hornblende diorite : medium-grained

TRIASSIC — Karmutsen Formation
- 3 — Volcanics : mainly fine-grained, dark green massive basalt. Locally andesite layers and/or dykes.

UPPER PALEOZOIC Sicker Group ?
- 2 — Limestone : massive, white, generally recrystallized.
- 1 — Sediments : interbedded cherty siltstone, argillite, basalt, laminated limestone and cherty limestone.

SYMBOLS

- Lineation
- Jointing inclined; dip vertical
- Shear zone/fault
- Vein inclined; dip vertical
- Foliation
- Geological contact (approximate)
- Fault (assumed)
- ▲ 23137 — Rock sample
- • TS-3 — Thin section sample
- × H 213 — Rock sample (float)
- • S-2 — Silt sample
- Helicopter landing pad
- Trench
- Bridge
- Legal Claim Post and claim boundary
- Grid line
- Aerial photo lineament
- Road
- Trail
- Creek

Note: Sample results are Au in ppb, others in ppm unless otherwise noted.

0 50 100 150 200 metres

Topographical contour interval 20 m.
Claim boundaries from LCP's located in field
NTS 92 F/5

CONSORT ENERGY CORPORATION

GEOLOGY, ROCK AND SILT SAMPLE LOCATIONS
LAZY GROUP PROJECT
HERBERT INLET B.C.
ALBERNI MINING DIVISION

Project No:	V 261	By:	C.N.
Scale:	1:2 500	Drawn:	J.S.
Drawing No:	6	Date:	FEBRUARY 1988

MPH Consulting Limited

GEOLOGICAL BRANCH ASSESSMENT REPORT

17,728

125°53'50" 49°24'42"

125°52'34" 49°24'42"

Herbert Inlet

BEACH (2794)

CREEK (2795)

1934 1935 1936

Carter Creek

Silver Creek

MINE SPUR LINEAMENT

CANYON CREEK LINEAMENT

Bridge Creek

Canyon Creek

MINE CREEK LINEAMENT

CANYON SPUR LINEAMENT

LAKE CREEK LINEAMENT

LAZY K 1 (2925) 2N×1W LCP — LCP LAZY K 4 (2958) 2N×5E

LAZY K 3 (2927) 45×5W LCP — LCP LAZY K 2 (2926) 45×5E

LEGEND

Au ppb / Ca ppm — Grid line, soil sample site and analyses

10 ppb Au / 3370 ppm Ca — Grid line, soil sample site and analyses

≥39ppb ≥25 ppb — Anomalous gold geochemistry

≥7573 ppm ≥5518 ppm — Anomalous calcium geochemistry

(C) — Anomalous zone

SYMBOLS

- Trench
- Bridge
- Legal Claim Post and claim boundary
- Grid line (NS = no sample taken)
- Aerial photo lineament
- Road
- Trail
- Creek

0 50 100 150 200 metres

Topographical contour interval 20
Claim boundaries from LCP's located in field
NTS 92 F/5

GEOLOGICAL BRANCH
ASSESSMENT REPORT

17,728

CONSORT ENERGY CORPORATION

SOIL GEOCHEMISTRY
Au, Ca
LAZY GROUP PROJECT

HERBERT INLET, B.C.
ALBERNI MINING DIVISION

Project No:	V 261	By:	C.N.
Scale:	1:2500	Drawn:	J.S.
Drawing No:	9	Date:	FEBRUARY 1988.

MPH Consulting Limited

49°24'42" 125°53'50"

125°52'34" 49°24'42"

Herbert Inlet

BEACH (2794)

CREEK (2795)

1935

1936

Cotter Creek

Silver Creek

MINE SPUR LINEAMENT

CANYON CREEK LINEAMENT

Ridge Creek

Canyon Creek

MINE CREEK LINEAMENT

CANYON SPUR LINEAMENT

LAKE CREEK LINEAMENT

L 6+00W L 5+50W L 5+00W L 4+00W L 3+00W L 2+00W L 1+00W 0+00 L 1+00E L 2+00E L 3+00E L 4+00 E L 5+00E 6+00E

5+00N 4+00N 3+00N 2+00N 1+00N Baseline 1+00S 2+00S 3+00S

L 3+00E L 3+60E L 4+00E L 4+40E L 5+00E L 5+40E L 6+00E

P1 P2 M Q L

LAZY K 1 (2925) 2N×1W LCP | LCP LAZY K 4 (2958) 2N×5E

LAZY K 3 (2927) 4S×5W LCP | LCP LAZY K 2 (2926) 4S×5E

49°24'03" 125°53'50"

125°52'34" 49°24'03"

LEGEND

Pb ppm / Cu ppm — Grid line, soil sample site and analyses

67 ppm Cu / 30 ppm Pb — Grid line, soil sample site and analyses

≥29 ppm, ≥23 ppm — Anomalous lead geochemistry

≥129 ppm, ≥88 ppm — Anomalous copper geochemistry

Q — Anomalous zone

SYMBOLS

- Trench
- Bridge
- Legal Claim Post and claim boundary
- Grid line (NS = no sample taken)
- Aerial photo lineament
- Road
- Trail
- Creek

GEOLOGICAL BRANCH
ASSESSMENT REPORT

17728

0 50 100 150 200 metres

Topographical contour interval 50 m.
Claim boundaries from LCP's located by field
NTS 92F/5

CONSORT ENERGY CORPORATION

SOIL GEOCHEMISTRY
Pb, Cu
LAZY GROUP PROJECT

HERBERT INLET, B.C.
ALBERNI MINING DIVISION

Project No:	V 261	By:	C. N.
Scale:	1 : 2 500	Drawn:	J. S.
Drawing No:	10	Date:	FEBRUARY 1988.

MPH **MPH Consulting Limited**

125°53'50"
49°24'42"

125°52'34"
49°24'42"

Herbert Inlet

BEACH (2794)

CREEK (2795)

1936

Cotter Creek

Mine Spur Lineament

Canyon Creek Lineament

Ridge Creek

Canyon Spur Lineament

Mine Creek Lineament

Lake Creek Lineament

Canyon Creek

LAZY K 1 (2925) 2N×1W LCP — LCP LAZY K 4 (2958) 2N×5E

LAZY K 3 (2927) 45×5W LCP — LCP LAZY K 2 (2926) 45×5E

49°24'03"
125°53'50"

49°24'03"
125°52'34"

LEGEND

Ag ppm / As ppm — Grid line, soil sample site and analyses

6 ppm As / 1.2 ppm Ag — Grid line, soil sample site and analyses

≥2.0 ppm, 1.6 ppm — Anomalous silver geochemistry

≥15 ppm, 11 ppm — Anomalous arsenic geochemistry

(S) — Anomalous zone

SYMBOLS

- Trench
- Bridge
- Legal Claim Post and claim boundary
- Grid line (NS = no sample taken)
- Aerial photo lineament
- Road
- Trail
- Creek

GEOLOGICAL BRANCH
ASSESSMENT REPORT

17,728

0 50 100 150 200 metres

Topographical contour interval 20 m
Claim boundaries from LCP's located in field
NTS 92F/5

CONSORT ENERGY CORPORATION

SOIL GEOCHEMISTRY
Ag, As
LAZY GROUP PROJECT

HERBERT INLET, B.C.
ALBERNI MINING DIVISION

Project No:	V 261	By:	C.N.
Scale:	1 : 2 500	Drawn:	J.S.
Drawing No:	11	Date:	FEBRUARY 1988.

MPH Consulting Limited

49°24'42" 125°53'50" — 125°52'34" 49°24'42"

Herbert Inlet

BEACH (2794)

CREEK (2795)

Cotter Creek

Silver Creek

MINE SPUR LINEAMENT

CANYON CREEK LINEAMENT

Ridge Creek

Canyon Creek

MINE CREEK LINEAMENT

LAKE CREEK LINEAMENT

CANYON SPUR LINEAMENT

L 6+00W L 5+50W L 5+00W L 4+00W L 3+00W L 2+00W L 1+00W L 0+00 L 1+00E L 2+00E L 3+00E L 4+00E L 5+00E L 6+00E

5+00N 4+00N 3+00N 2+00N 1+00N Baseline 1+00S 2+00S 3+00S

LAZY K 1 (2925) 2N×1W LCP — LCP LAZY K 4 (2958) 2N×5E

LAZY K 3 (2927) 4S×5W LCP — LCP LAZY K 2 (2926) 4S×5E

49°24'03" 125°53'50" — 125°52'34" 49°24'03"

LEGEND

Instrument : Geometrics model 816 portable proton precession magnetometer

Parameter : Total magnetic field (nT)
(N.B.: 55000 nT subtracted from reading)

Magnetic contour interval 100 nT.

SYMBOLS

- Trench
- Bridge
- Legal Claim Post and claim boundary
- Grid line
- Aerial photo lineament
- Road
- Trail
- Creek

GEOLOGICAL BRANCH
ASSESSMENT REPORT

0 50 100 150 200 metres

Topographical contour interval 50 m.
Claim boundaries from LCP's located by field
NTS 92F/5

17728

CONSORT ENERGY CORPORATION

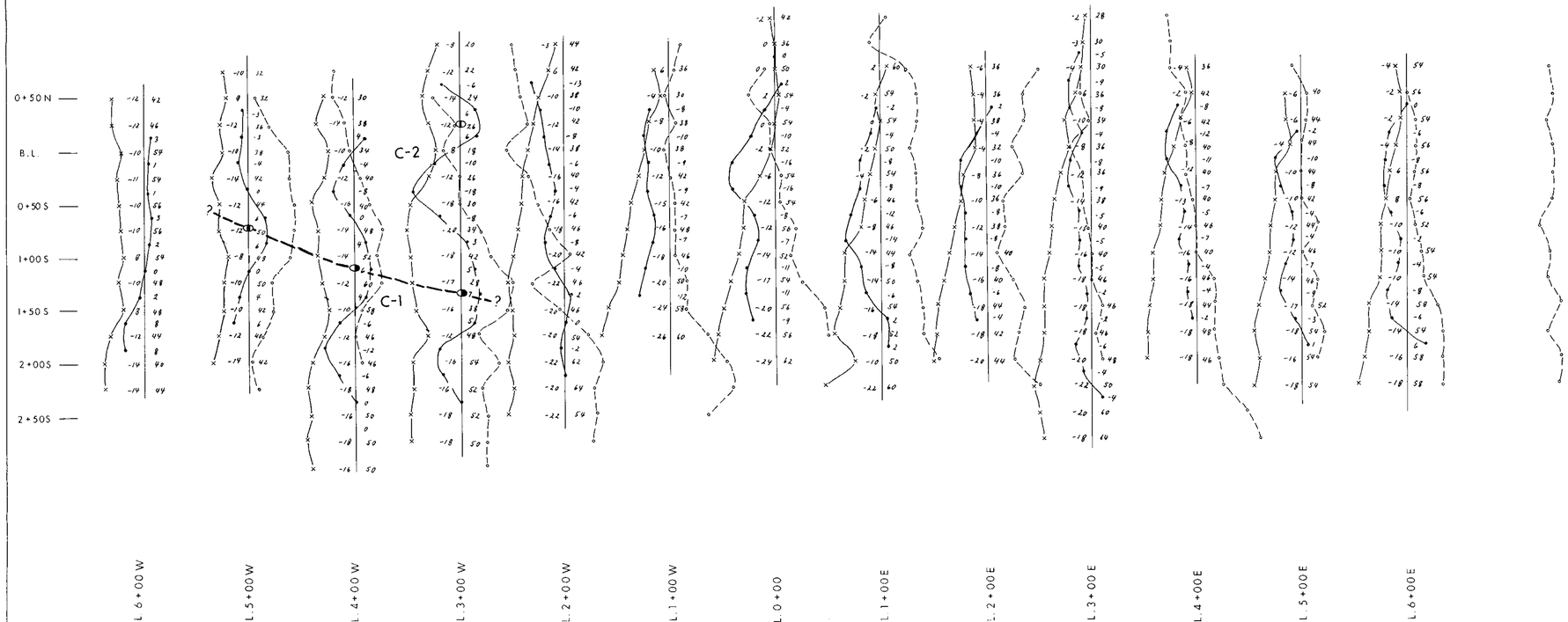
MAGNETOMETER SURVEY

LAZY GROUP PROJECT

HERBERT INLET, B.C.
ALBERNI MINING DIVISION

Project No:	V 261	By:	C.N.
Scale:	1 : 2 500	Drawn:	J. S.
Drawing No:	12	Date:	FEBRUARY 1988

MPH **MPH Consulting Limited**

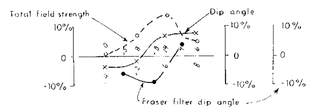


N

LEGEND

Instrument: Sabre model 27

Transmitting station: Seattle, Wa 24.8 kHz



VLF-EM CONDUCTORS

- Definite bedrock conductor
- Probable bedrock conductor
- Questionable bedrock conductor
- Probable overburden conductor
- Possible continuity
- C-2, etc. Conductive bedrock zone

0 50 100 150 200 metres

CONSORT ENERGY CORPORATION

VLF-EM SURVEY PROFILES

LAZY GROUP PROJECT

HERBERT INLET B.C.
ALBERNI MINING DIVISION

Project No:	V 261	**By:**	J. L.
Scale:	1:2500	**Drawn:**	J. S.
Drawing No:	13	**Date:**	FEBRUARY 1988

MPH **MPH Consulting Limited**

49°24'42" 125°53'50" — 125°52'34" 49°24'42"

Herbert Inlet

BEACH (2794)

CREEK (2795)

Carter

Cotter Creek

Silver Creek

Ridge Creek

Canyon Creek

Canyon Creek Lineament

Mine Spur Lineament

Mine Creek Lineament

Lake Creek Lineament

Canyon Spur Lineament

Baseline

TRENCH A

TRENCH B

L 6+00W L 5+50W L 5+00W L 4+00W L 3+00W L 2+00W L 1+00W L 0+00 L 1+00E L 2+00E L 3+00E L 3+50E L 4+00E L 5+00E L 6+00E

5+00N 4+00N 3+00N 2+00N 1+00N 1+00S 2+00S 3+00S

LAZY K 1 (2925) 2N×1W LCP — LCP LAZY K 4 (2958) 2N×5E

LAZY K 3 (2927) 45×5W LCP — LCP LAZY K 2 (2926) 45×5E

23129 297 Ni, 707 Cr
23130 243 Ni, 712 Cr

19200 65 Au, 420 Cr

23149 858 Cu, 60 Co

18512 98 Au, 302 Cr
23147 46 Au
23148 175 Au

29139 202 Cu, 106 B

18519 300 Au (0·32 g/t)
18520 188 Au
19190 215 Au, 178 Sr
19191 1800 Au (2·21 g/t)
19193 163 Au
19197 302 Au (0·34 g/t)
23143 380 Au
23144 490 Au

19185 519 Au (0·63 g/t) 5·3 Ag 31·7 Cd, 2056 Pb, 2330 Zn

126 Au, 682 Cr
20990
53 Au 18530
103 Au, 3·2 Ag 19186

18503 1000 Au (1·06 g/t), 68 Cd, 2634 Zn
18504 4000 Au (4·29 g/t), 192 Cr
18525 56 Au
18527 77 Au
18529 136 Au, 277 Cu
18532 226 Au, 209 Cr
18533 361 Au
18534 310 Au (0·33 g/t)
19187 178 Au, 3·2 Ag

18511 123 Au

H 200 399 Pb, 131 Zn
H 201 47 Ag, 129 Pb, 264 Sr
H 203 57 Au

20991 1233 Cu, 103 Zn

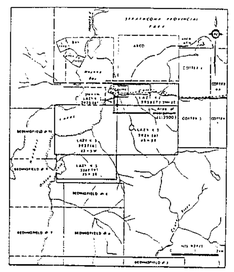
H 214 94 Au
H 215 44 Au
H 207 64 Au; 465 Ba
H 211 63 Au

250 Au H508
160 Au 18509

23107 1198 Cu, 2107 Zn, 36·5 Cd, 406 Cr
H 209 66 Au
23108 4·8 Ag, 140 Cu, 144 Pb, 208 B

18507 133 Au

49°24'03" 125°53'50" — 125°52'34" 49°24'03"



LEGEND

GEOLOGY

JURASSIC

6 — Granodiorite : commonly contains abundant basalt xenoliths.

5 — Diorite : medium-grained, locally quartz diorite. Locally contains basalt and hornblende diorite xenoliths.

4 — Hornblende diorite : medium-grained

TRIASSIC

3 — Volcanics : mainly fine-grained, dark green massive basalt. Locally andesite layers and/or dykes.

UPPER PALEOZOIC

2 — Limestone : massive, white, generally recrystallized.

1 — Sediments : interbedded cherty siltstone, argillite, basalt, laminated limestone and cherty limestone.

SOIL GEOCHEMISTRY, Au

Contours : above background 25 ppb — 25 —
anomalous 39 ppb — 39 —
extremely anomalous > 300 ppb ♦

VLF-EM GEOPHYSICAL SURVEY

Instrument : Sabre model 27
Station : Seattle, Wa., 24.8 kHz
Conductors : Probable bedrock conductor
Questionable bedrock conductor
Continuity Probable
Possible
Questionable

SYMBOLS

Geological contact (approximate)
Fault (assumed)
▲ 23137 Rock sample
Trench
Bridge
Legal Claim Post and claim boundary
Grid line
Aerial photo lineament
Road
Trail
Creek

Note : Sample results are Au in ppb, others in ppm unless otherwise noted.

0 50 100 150 200 metres

Topographical contour interval 20 m.
Claim boundaries from LCP's located in field.
NTS 92 F/5

CONSORT ENERGY CORPORATION

COMPILATION MAP

LAZY GROUP PROJECT

HERBERT INLET B.C.
ALBERNI MINING DIVISION

Project No:	V 261	By:	C.N.
Scale:	1 : 2 500	Drawn:	J. S.
Drawing No:	14	Date:	FEBRUARY 1988

MPH Consulting Limited

ASSESSMENT REPORT
GEOLOGICAL BRANCH

SCALE 1:2500