

SIMILKAMEEN PROJECT - M579
1988 ASSESSMENT REPORT
SEADRIFT OPTION
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Chevron Minerals Ltd.
DECEMBER 1988
Volume 1 of 2

18228
Part 1
of 2

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**GEOLOGICAL, GEOCHEMICAL
 AND
 DIAMOND DRILLING REPORT**
 on the
SIMILKAMEEN PROPERTY
SEADRIFT OPTION

FILMED

**BROWN 1-4, SNAFU 1*-2, CAMSELL 1-4, RICE 2,
 ANNA BREE #1, JESSE #1 AND RICE 4 CLAIMS**

OSOYOOS AND SIMILKAMEEN* MINING DIVISIONS

SUBMITTED TO
 JAN 1 1989
 VANCOUVER, B.C.

N.T.S. 92H/8E
49°18' 120°05'

Owner: Chevron Minerals Ltd.
Operator: Chevron Minerals Ltd.

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J.S. Getsinger

December 1988

18,228

**GEOLOGICAL BRANCH
 ASSESSMENT REPORT**

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1.0 INTRODUCTION

Chevron Minerals Ltd. conducted a diamond drilling program during September and October of 1988 on the Similkameen property. This property consists of 200 claim units and is located south of Hedley, B.C. in both the Osoyoos and Similkameen Mining Divisions. These claims were optioned from Seadrift International Exploration Ltd. during the spring of 1987.

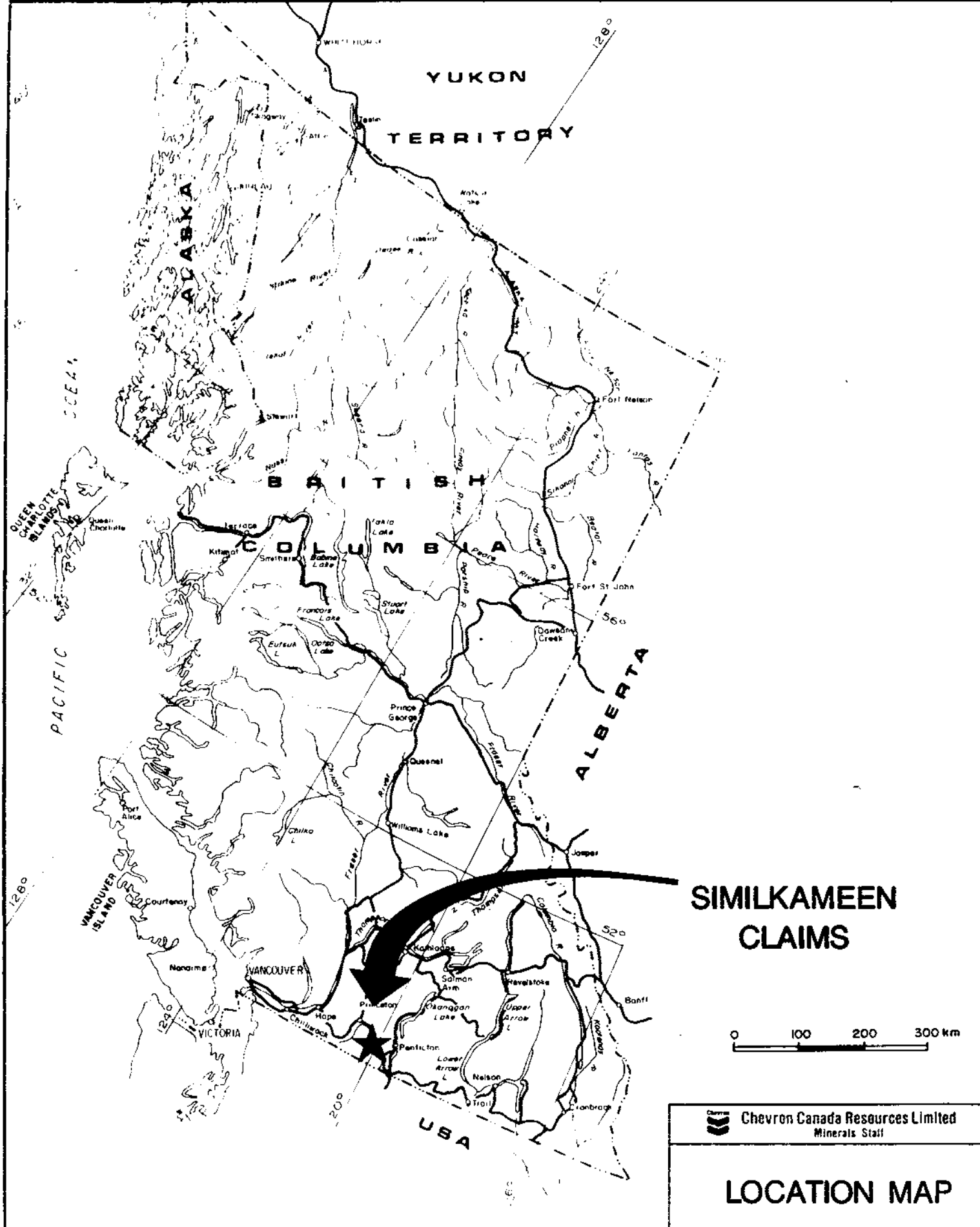
The purpose of the 1988 exploration program was to further evaluate the property for Hedley-type gold-skarn mineralization in the favourable Hedley-hosting sequence of rocks. The diamond drilling was concentrated on the southern portion of the claim block in an area where arenopyrite-bearing Hedley-type sills and dykes as well as a diopside skarn were found during the 1987 program.

The exploration program consisted of infill sampling of trenches and diamond drilling. The work was carried out on an area of the claim block underlain by a north trending belt of Triassic Hedley Sequence carbonates and clastic sediments, which are the favourable host rocks for Hedley-type skarn mineralization.

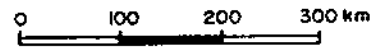
The field work was conducted during the period from September 1, 1988 to October 28, 1988 with a 2-3 person field crew. A field office and crew quarters were maintained for the duration of the field season in a rented house located in Keremeos.

2.0 LOCATION, ACCESS AND TOPOGRAPHY

The Seadrift Option mineral claims are centered at approximately 6 kilometres south of Hedley and 22 kilometres west of Keremeos in the Osoyoos and Similkameen Mining Divisions (Figure 1). The property is located at the headwaters



SIMILKAMEEN CLAIMS



Chevron Canada Resources Limited
Minerals Staff

LOCATION MAP

FIGURE 1

FIGURE No		PROJECT No M-579	
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of both Larcen and Johns Creeks and extends down the cliffs to the east almost to the Similkameen River. The western boundary of the claims is located at the headwaters of Pettigrew Creek west of B.C. Tel's microwave tower.

The property can be accessed by three routes using a 4 wheel drive vehicle. The northern end of the claim group can be reached by a dirt road leading east from the Whistle Creek Mainline at kilometre 4. The Whistle Creek Mainline heads south from Highway 3 approximately 7 kilometres west of Hedley.

The southern end of the property can be accessed by a dirt logging road that heads west across the Ashnola Indian Reservation along the south side of the Similkameen River and continues westward along Paul Creek. This road eventually leads to the microwave tower. Permission to use this road is required from the Similkameen Indian Band in Keremeos.

The third route to the property is along the B.C. Tel's recently completed service road to the microwave tower that heads southeast from the Whistle Creek Mainline at approximately kilometre 6.

Elevations on the property range from 522 metres at the eastern boundary along the Similkameen River to 1982 metres at the microwave tower in the western part of the property. Total relief on the claims is 1460 metres. The topography varies from gentle rolling slopes over the western two thirds of the claim group to steep cliffs in the east that extend down to the Similkameen River.

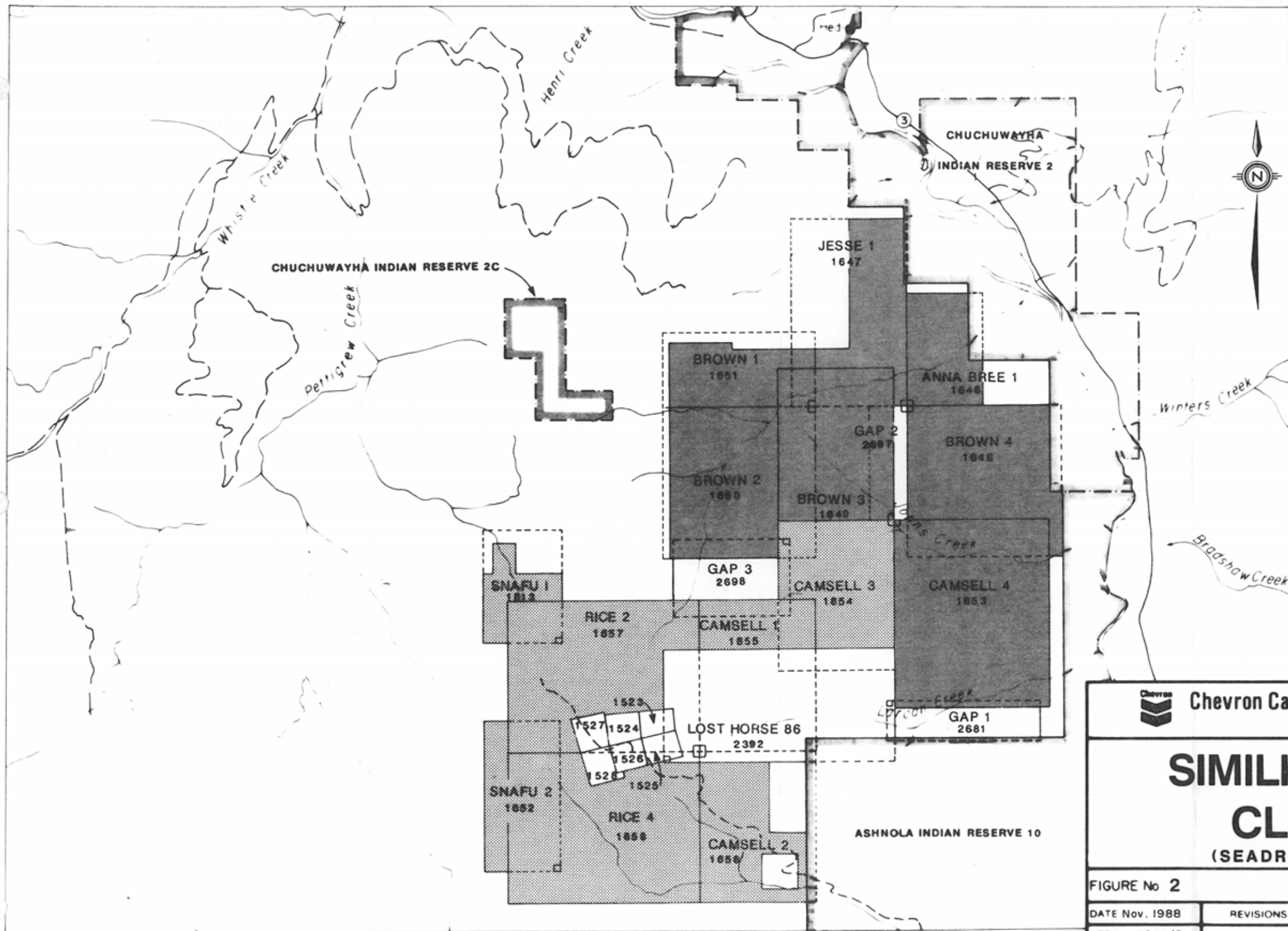
Stands of fir, pine and spruce dominate north-facing slopes and border large grassy areas that are found on some of the south-facing hills. A dense growth of immature evergreens is found in the centre of the claim block in the area of an old burn.

3.0 CLAIMS



The work outlined in this report was conducted by Chevron Minerals Ltd. on the Similkameen project claims. The 200 claim units in the Osoyoos and the Similkameen Mining Divisions are held under option from Seadrift International Exploration Ltd. (Figure 2).

The 200 claim units held under the Seadrift option are 100% owned by Chevron Minerals Ltd. and are located in the Osoyoos Mining Division except for the Snafu #1 claim which is located in the Similkameen Mining Division. These claims are as follows;

<u>Group</u>	<u>Claim</u>	<u>Record Number</u>	<u>Record Date</u>	<u>Record Units</u>	<u>Expiry Date</u> (before submission of this report)
Camsell 4	Anna Bree #1	1646	28-Jan-83	6	28-Jan-89
	Jesse #1	1647	28-Jan-83	15	28-Jan-88
	Brown #4	1648	28-Jan-83	16	28-Jan-89
	Brown #3	1649	28-Jan-83	12	28-Jan-88
	Brown 2	1650	28-Jan-83	16	28-Jan-88
	Brown 1	1651	28-Jan-83	8	28-Jan-88
	Camsell #4	1653	28-Jan-83	20	28-Jan-89
	Camsell 3	Snafu #2	1652	28-Jan-83	12
Camsell #3		1654	28-Jan-83	12	28-Jan-88
Camsell 1		1655	28-Jan-83	12	28-Jan-88
Camsell 2		1656	28-Jan-83	12	28-Jan-88
Rice #2		1657	28-Jan-83	20	28-Jan-88
Rice #4		1658	28-Jan-83	20	28-Jan-88
Snafu #1		1813	28-Jan-83	6	28-Jan-88
TOTAL				187	



LEGEND

-  Camsell 3 Group
-  Camsell 4 Group

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SIMILKAMEEN CLAIMS
(SEADRIFT OPTION)

FIGURE No 2		PROJECT No M 579	
DATE Nov. 1988	REVISIONS	SCALE 1:50,000	
NTS No 92 H/B		FILE No	
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4.0 HISTORY

During the 1900's there was much prospecting for gold in the Hedley camp. The hand trenches in the south east corner of the claim block on the south facing slope of the Camsell 3 and 4 claims are evidence of some early work. The dates of this work are not known.

Low level airborne magnetometer and VLF-EM surveys were flown over the Seadrift option claims during the spring of 1983 (Mark, 1984). Targets identified from the airborne geophysical surveys were followed up with ground VLF-EM surveys in December 1984 and January 1985 (Mark, 1985). Seadrift International Explorations Ltd. conducted a small diamond drilling program on the claims during December 1985 and January 1986. A total of 80.77 metres were drilled in one hole on the Brown 3 claim. This hole was collared in and intersected granodiorite and diorite of the Cahill Creek Intrusion for its entire length (Krause and Timmins, 1986 and 1987).

During the 1987 field season Chevron Minerals Ltd. carried out an exploration program on the Seadrift option claims. This work consisted of geological mapping, soil geochemistry, trenching and 117.96 metres of diamond drilling in one hole (McAllister and McPherson, 1988).

Chevron Minerals Ltd. conducted a diamond drilling program on the Seadrift option during the 1988 field season. That program is the subject of this report.

5.0 PHYSICAL WORK

During the 1988 field season a D-6 cat and operator were contracted from O.K. Power Systems Holding Ltd. in Osoyoos, B.C. for bulldozer work on the Similkameen property. This included trench reclamation and the construction of two drill pads and access roads leading to these pads.

All the bulldozer work was conducted on the Camsell 3 - 4 claims. A low-bed truck was used to transport the D-6 from Osoyoos to a location on the B.C. Tel service road approximately one kilometre northwest of the microwave tower where there was space enough on the road for the low-bed to turn around. The operator walked the bulldozer onto the property from the truck off load point.

A total of 360 metres of new road was constructed for access to the Seadrift Option drill pad. The average width of roads constructed is 4 metres. At the end of the field season all new roads, drill pads and 1987 trenches were seeded with a mixture recommended by the Ministry of Forests.

6.0 GEOLOGY

6.1 REGIONAL GEOLOGY

The Similkameen property is located in the Hedley gold camp within the Intermontane Belt of the Canadian Cordillera. The western half of the region is underlain by a predominantly sedimentary sequence of the Triassic Nicola Group (Rice, 1947). This group has been subdivided into the volcanoclastic rocks of the Whistle Creek Sequence and the sedimentary rocks of the underlying Hedley Sequence. The rocks of the Nicola Group are primarily north-south striking and westerly dipping.

Two plutonic phases intrude the Nicola Group rocks. Granodiorite of the Jurassic-age Cahill Creek Pluton occupies the contact between the Hedley Sequence to the west and the underlying Paleozoic volcanics and sediments of the Apex Mountain Complex to the east (Ray and Dawson, 1987). Jurassic-age diorite stocks, sills and dykes of the Hedley Intrusions cut the central belt of Hedley Sequence rocks.

6.2 PROPERTY GEOLOGY

The Late Triassic-age Whistle Creek Sequence underlies most of the western half of property and consists predominantly of westerly dipping andesitic tuffs with minor interbedded clastic sediments and limestone lenses (Figure 3). The Copperfield Conglomerate, a limestone boulder conglomerate, occurs at the base of the Whistle Creek Sequence forming a distinctive marker horizon that crops out along a north-south trending zone in the centre of the property. The underlying Late Triassic-age Hedley Sequence consists of interbedded clastic sediments and carbonates with minor tuff. These sediments are found in a central belt on the Similkameen claims. It is within these sediments at the top of the Hedley Sequence that gold-skarn mineralization is found at Corona Corp.'s Nickel Plate Mine.

The eastern third of the property is underlain by Early Jurassic-age Cahill Creek granodiorite that intrudes all older rocks on the claims and form cliffs that extend eastward down to the Similkameen River. The central belt of Hedley Sequence rocks have been intruded by numerous hornblende feldspar porphyry sills and dykes that are known as the Hedley Intrusions. A small diorite stock crops out at the south end of the Camsell 3 and 4 claims. The Cahill Creek granodiorites are younger than the Hedley Intrusions (Ray, et al., 1986 and 1987).

Several small plugs of quartz feldspar porphyry intrude the central belt of sediments and the Cahill Creek granodiorite an the north end of the property. These intrusives are possibly related to the Spences Bridge Group dacites (Ray et al., 1987). The Table 1 outlines the stratigraphy of the property.

TABLE 1

STRATIGRAPHY OF THE SIMILKAMEEN PROPERTY

EARLY CRETACEOUS

SPENCES BRIDGE GROUP: Quartz Feldspar Porphyry and Quartz Porphyry

INTRUSIVE CONTACT

EARLY JURASSIC

CAHILL CREEK PLUTON: Granodiorite and Aplite

HEDLEY INTRUSIONS: Hornblende Feldspar Porphyry, Hornblende Porphyry
and Diorite

INTRUSIVE CONTACT

LATE TRIASSIC

NICOLA GROUP

WHISTLE CREEK SEQUENCE: Tuff, Lapilli Tuff, Crystal Tuff,
Tuffaceous Siltstone and Limestone
Boulder Conglomerate

CONFORMABLE CONTACT

HEDLEY SEQUENCE: Siltstone, Argillite, Hornfels, Biotite Hornfels,
Calc-hornfels, Limestone and Marble.

HEDLEY SEQUENCE

The Late Triassic-age Hedley Sequence consists of interbedded siltstones, argillites and limestones. Individual beds range from 1 centimetre to 10 metres in width. The argillites are typically altered to hornfels and biotite hornfels. Many of these hornfelsed sediments, particularly in the southern part of the claims, have undergone pervasive calcic alteration and are referred to as calc-hornfels. These Hedley Sequence rocks occur as a southerly

trending belt in the centre of the property that are exposed for over 2.5 kilometres. The sequence is cliff-forming in the north central section of the property.

The siltstones and argillites of the Hedley Sequence are dark grey to black, fine to very fine grained, typically well bedded and contain traces of finely disseminated pyrite. The siltstones are slightly coarser grained than the argillites. The argillites are occasionally rusty weathered. These sediments strike approximately north-south and dip to the west from 40 to 70 degrees.

The hornfelsed rocks appear to be quite siliceous with a moderately to well developed conchoidal fracture. Pale brown crystalline gypsum is often seen as a coating on fracture surfaces. The biotite hornfels has a characteristic brown-purple colour due to the very fine grained biotite present. Occasionally, disseminated to blebby pyrrhotite and arsenopyrite are associated with the hornfelsed sediments.

The calc-hornfels is typically pale grey, buff, pink or pale green and is aphanitic. The calcic alteration of hornfels has resulted in a strong bleaching effect within these rocks. This bleaching is used to identify calc-hornfels in the field. The calcic alteration occurs as narrow bleached selvages permeating outward along bedding planes or small fractures to bleached patches and pervasive zones of bleaching. Rare red-brown garnets and dark green patches of diopside are found with the calc-hornfels.

The limestone lenses and beds found within the Hedley Sequence are grey, fine to medium grained with an equigranular texture. The limestone is interbedded

with other rocks of the Hedley Sequence or alone in small exposures. Where interbedded, the limestone is recessively weathered and makes up from 5 to 55% of the total outcrop. Occasional white, coarsely crystalline calcite vein with widths up to 3 centimetres are found within the limestone.

The limestone has been metamorphosed to a marble in a few locations. The marble is pale pink, grey or white, fine to medium grained, with a crystalline fabric. Well developed rhombohedral calcite crystals are common.

WHISTLE CREEK SEQUENCE

The Late Triassic-age Whistle Creek Sequence conformably overlies the sedimentary Hedley Sequence and is exposed over the western half of the property. This sequence contains the basal Copperfield Conglomerate and a thick section of interbedded tuff, lapilli tuff, crystal tuff and tuffaceous siltstones. The lower contact of the Whistle Creek Sequence with the Hedley Sequence is offset in several places by east to northeast trending faults. This contact is not seen in outcrop.

The Copperfield Conglomerate lies at the base of the Whistle Creek Sequence forming a distinctive marker horizon between the overlying volcanoclastic rocks and the sedimentary rocks below. Outcrops of Copperfield Conglomerate are found along a narrow north trending band in the centre of the property at the contact between the Hedley and Whistle Creek Sequences.

The limestone boulder conglomerate has sub-angular to well rounded grey limestone clasts ranging from from pebble to boulder size. The conglomerate is matrix supported with a dark grey, weakly calcareous silty and fine grained

matrix. The rocks have a distinct pock-marked texture on the weathered surface due to the preferential weathering of the limestone clasts.

The upper Whistle Creek rocks are volcanoclastic in origin, dominantly tuffaceous with minor tuffaceous siltstones. The tuffs are dark grey-brown, probably andesitic in composition, fine grained, relatively equigranular and typically massive. Where bedding is seen, it dips 50 to 70 degrees to the west. Particle size ranges 1 to 2 centimetres in diameter for lapilli. Minor blebs of pyrite and traces of pyrrhotite are more commonly found in lapilli tuffs.

The crystal tuffs are similar in composition to the tuffs, but contain up to 7% white feldspar crystals that are 1 - 2 millimetres in length. The tuffaceous siltstones are most often found close to the contact with underlying sedimentary rocks. This rock is dark grey, fine grained and occasionally weakly calcareous on fracture surfaces. The volcanoclastic rocks of the Whistle Creek Sequence are often altered to hornfels and biotite hornfels. Additionally, these hornfelsed sediments may have undergone alteration which is defined by bleaching. These sediments are similar in appearance to the hornfelsed and altered argillites of the Hedley Sequence. However, remnant tuffaceous textures within the Whistle Creek Sequence usually allow for correct identification of the two sequences.

In the north-central portion of the map area a small northwest trending anticline has folded the Upper Whistle Creek rocks. This is seen by the changes in dip orientations.

HEDLEY INTRUSIONS

The Early Jurassic Hedley intrusions present on the property are hornblende +feldspar porphyry sills and dykes as well as diorite stocks. The sills and dykes cut the Hedley and Whistle Creek Sequence of rocks in the central part on the claims. These sills are particularly abundant in the area of the old hand trenches around drill hole S88DH005. One small diorite stock is found in the southern area of the property.

The hornblende feldspar porphyry sills and dykes are pale pink-grey to beige, mottled, very fine grained with black lath-shaped hornblende phenocrysts that are typically 1 to 4 millimetres in length. These rocks weather a rusty orange colour. The feldspar phenocrysts, when present, are pale coloured, lath-like and range up to 3 millimetres long. The matrix is siliceous and is often bleached. From 1 to 5% hornblende phenocrysts occur in these rocks. The textural variation of the Hedley Intrusions ranges from porphyritic to almost equigranular. The medium to coarse grained hornblende is characteristic of the sills. The sills commonly contain pyrite disseminations, pyrrhotite blebs and arsenopyrite veins and disseminations.

The diorite stock intrudes the rocks of the Whistle and Hedley Sequences on the Similkameen property. A small diorite body, about 50 x 50 metres in size, can be found at the southwestern end of the Camsell 3 claim. This quartz-hornblende-biotite rich diorite is equigranular, mottled grey-beige to black and fine to medium grained. The diorite contains minor blebs and disseminations of pyrite.

CAHILL CREEK PLUTON

The Middle to Lower Jurassic-age Cahill Creek Pluton is composed of granodiorite and minor aplite. These plutonic rocks crop out in the eastern and northern ends of the property. Occasionally, roof pendants of interbedded sediments are found within the granodiorite. Two such roof pendants are found on the Camsell 4 and Brown 3 claim. Regionally, the French Mine gold-skarn deposit is hosted in a roof pendant of Nicola Group rocks within the Cahill Creek pluton.

The granodiorites are pale grey to orange-pink and fine to medium grained. Compositionally, the granodiorite is quartz-feldspar-biotite rich and in the southern portion of the property, moderately magnetic. Occasional outcrops are friable, showing strong mechanical weathering.

Aplite is found on the Brown 1 claim at the northwestern end of the claim block. The aplite is buff to pale reddish-brown, fine grained and siliceous with a resinous to glassy lustre and a fine grained to sugary texture. These rocks contain occasional rusty blebs which may be altered sulphides.

SPENCES BRIDGE GROUP

The youngest intrusive rocks on the property are the quartz feldspar porphyry and quartz porphyry plugs that are exposed in the centre of the claims. These intrusives are thought to be related to the Early Cretaceous Spences Bridge Group dacites (Ray, et al, 1987). The felsic plugs cut all rock types seen on the property and are porphyritic, buff to white on the fresh surface and have a fine grained groundmass. Quartz phenocrysts are clear and range up to 2 millimetres in diameter. The white feldspar phenocrysts are euhedral and

range up to 3 millimetres in length. Quartz eyes are more prevalent than feldspar laths. Minor disseminated pyrite occurs within these rocks.

6.3 ALTERATION AND MINERALIZATION

On the Similkameen property biotite and calcic alteration are seen within the rocks of the Hedley Sequence. The biotite alteration occurs primarily within the hornfelsed argillites and interbedded siltstones. The biotite altered hornfels is characteristically a dark brown-purple colour, due to the very fine grained biotite present, siliceous and very fine grained. The zone of biotite hornfels extends over the entire exposure of Hedley sediments on the property.

The calc-hornfels (calcic) alteration is characteristically buff, very fine grained, siliceous and variable in form. Calcic alteration occurs as pervasive zones, distinct patches, as well as selvages that extend outward from bedding planes and along fracture that cut bedding.

Skarn on the property is composed of garnet, diopside, minor wollastonite, idocrase and tremolite within Late Triassic limestones, marbles and calcareous siltstones of the Hedley Sequence. Garnets are red-brown blebs or crystals up to 5 millimetres in diameter and also as red-brown diffuse aphanitic bands or stringers with widths up to 3 centimetres. Diopside is dark green, aphanitic to granular and typically occurs in bands or patches with widths up to 3 centimetres. Garnet and diopside are occasionally seen as blebby cores to calc-hornfels alteration. Wollastonite and tremolite are accessory to garnet or diopside and usually occur as radiating crystal aggregates.

Garnetiferous marble and weak garnet-idocrase-wollastinite skarn are seen in the Hedley Sequence sediments adjacent to the margin of the Cahill Creek granodiorite. This skarn development is thought to be associated with the intrusion of the Jurassic pluton.

The only diopside skarn on the property similar to that seen at the Hedley deposit was intersected in drill hole S87DH002. A total of 2.29 metres of sulphide-rich diopside skarn was intersected. Pyrrhotite and chalcopyrite were present. There was up to 5% patchy calcic alteration in the surrounding interbedded calcareous siltstones and hornfels with strong bleaching occurring at both contacts.

7.0 GEOCHEMISTRY

During the 1988 field season a total of 179 samples were collected on the Similkameen property. Of these samples 46 are trench chip samples, 96 are diamond drill core and 36 are sludges. The samples were shipped to Chemex Labs in North Vancouver for sample preparation and analysis. All samples were analysed for the following elements; Au, Al, Ag, As, Ba, Be, Bi, Ca, Cd, Co, Cr, Cu, Fe, Ga, Hg, K, La, Mg, Mn, Mo, Na, Ni, P, Pb, Sb, Se, Sr, Ti, Tl, U, V, W and Zn. The assay results are tabulated in Appendix III. The analytical techniques used are outlined in Appendix IV.

8.0 TRENCH SAMPLING PROGRAM

The 1988 trench sampling was designed as a follow-up to the 1987 trenching program. The objective of this program was to collect in-fill chip samples of areas adjacent to anomalous or even weakly anomalous 1987 samples as approximately 20% of each trench had only been sampled initially. On the Seadrift option a total of 46 samples were collected from trenches S87TR0003 and S87TR0004.

8.1 TRENCH S87TR003

A total of 124 metres of bedrock was exposed in trench S87TR003 during the fall 1987 exploration program (Figure 4). Follow-up sampling was completed during the 1988 resampling program.

Interbedded dark grey hornfels, limestone and calc-hornfels are observed in trench S87TR003. These are cut by two narrow mafic dykes up to 0.4 metre wide in the western part of the area. No Hedley-type hornblende-feldspar porphyritic intrusions were observed in this trench.

The calcic alteration of the Hedley Formation sediments is weakly developed in this trench compared to trench S87TR001, generally $< 30\%$. The calcic alteration becomes more intense in the eastern part of the trench within about 100 metres of the contact with Cahill Creek Pluton to the east where it forms an average of 50% of the sequence. Pyrrhotite and pyrite, generally up to 1%, occur as blebs and fine disseminations.

Two zones of very weak skarning occur in the eastern end of the trench. These weakly skarned areas, however, do not carry significant gold mineralization. The highest gold value obtained from these skarns was 60 ppb from sample SM7S-238.

A total of 17 rock-chip samples was collected during the resampling program. None of these samples were anomalous in gold. The highest gold value was 50 ppb from sample DD87-11S.

8.2 TRENCH S87TR004

A total of 405 metres of bedrock was uncovered in trench S87TR004 on the Camsell 1 and 3 claims (Figure 5) during the 1987 exploration program. Additional sampling was completed during the 1988 resampling program.

A section of interbedded hornfels, calc-hornfels and limestone with minor mafic tuff and calcareous siltstone is exposed in this trench. The strike of these sediments ranges from 153 to 200 degrees and dip from 55 to 85 degrees west.

The Hedley Formation sediments are cut by eight hornblende feldspar and feldspar porphyry dykes and sills in the central and western part of the trench. These range in thickness from 0.5 to 12 metres and typically contain up to 3% sulphides, dominantly pyrrhotite and pyrite as blebs and disseminations. Three mafic dykes of gabbroic composition intrude the calc-hornfels and crosscut one feldspar porphyry dyke.

The calcic alteration of the Hedley sediments is not as extensive as observed in the trench S87TR001. In the eastern third of the trench the calcic alteration is weak and dominantly patchy (up to 10%) whereas it becomes more intense and pervasive in the western two third of the trench where it forms up to 80% of the sequence. The more extensive calc-silicate alteration may be attributed to extensive metasomastic activity associated with emplacement of numerous Hedley dykes and sills in this part of the trench. Pyrite and pyrrhotite occur as disseminations, blebs and microfracture fillings (<0.1 to 3%).

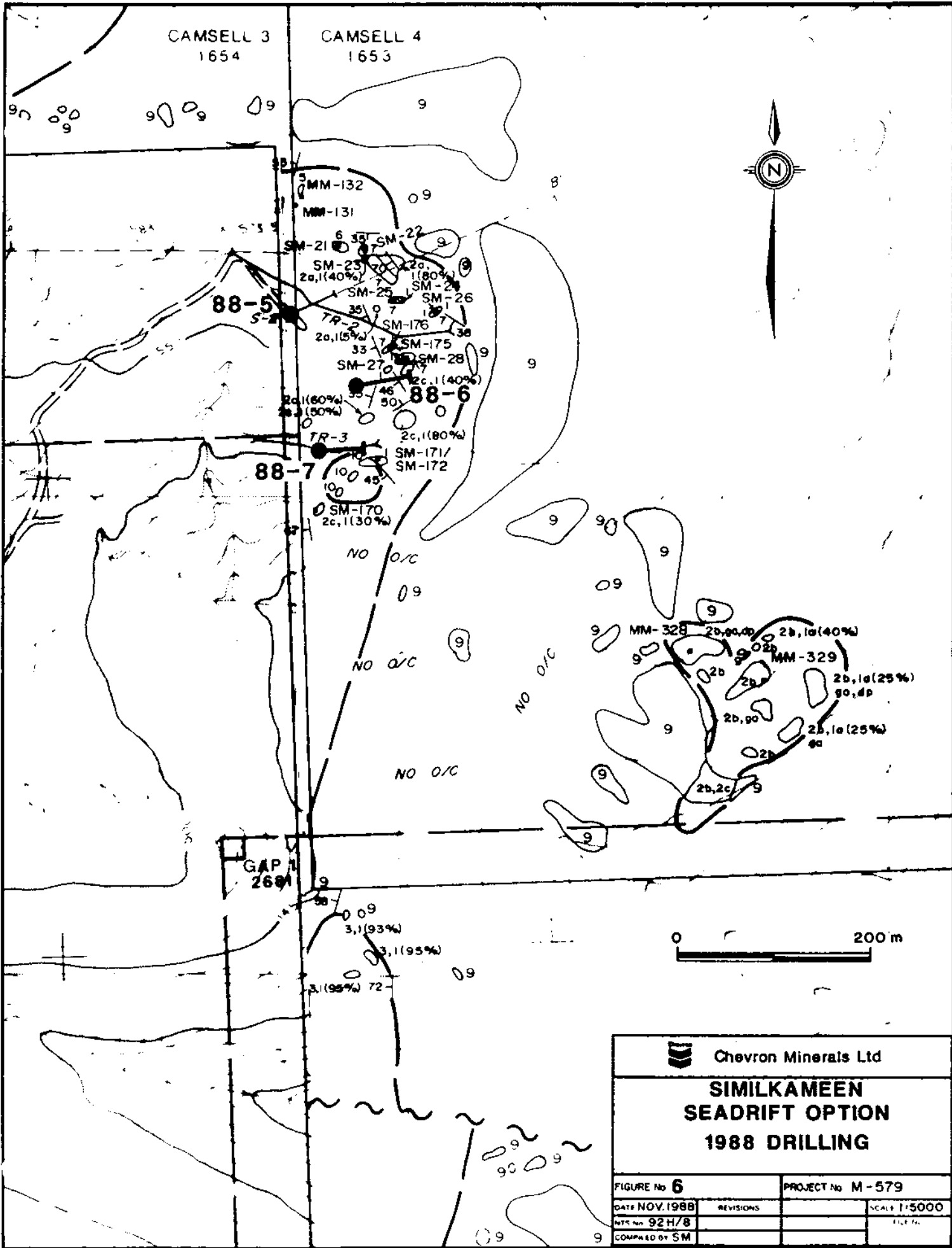
A total of 30 rock-chip samples was collected. None of the samples contained anomalous concentrations of gold. The highest gold value was 50 ppb from sample DD85-077. Several weakly anomalous arsenic values were obtained which range up to 335 ppm in samples DD85-078/079.


9.0 DIAMOND DRILLING PROGRAM

The 1988 diamond drilling program on the Seadrift option was targeted on the 2.29 metre wide zone of sulphide-rich diopside skarn intersected in drill hole S87DH002 that did not yield highly anomalous gold values (Figures 7 and 7A). This skarn zone as well as the surrounding favourable rocks of the Hedley Sequence were tested for their potential to host gold mineralization by three drill holes for a total length of 267.30 metres (Figures 6 and 6A).

Drill hole S88DH005 was collared on the Camsell 3 claim at the site of 1987 drill hole S87DH002 and was drilled vertically for a total depth of 89.61 metres. This hole was designed to test the extent of the diopside skarn intersected in the 1987 drill hole (Figures 7 and 7A).

Drill hole S88DH006 was collared on the Camsell 4 claim 100 metres southeast of hole S88DH005 and extends 99.36 metres along an azimuth of 080° with a dip of -50°. Drill hole S88DH007 was also collared on the Camsell 4 claim approximately 80 metres southwest of hole S88DH006. This hole was drilled west for 78.33 metres with a dip of -50°. These holes were drilled to test the potential for skarn mineralization within an interbedded sequence of Hedley Sequence calcareous siltstones, limestones and hornfels. In this area the sediments are cut by numerous arsenopyrite-rich hornblende feldspar porphyry sills and dykes.



 Chevron Minerals Ltd			
SIMILKAMEEN SEADRIFT OPTION 1988 DRILLING			
FIGURE No 6		PROJECT No M-579	
DATE NOV. 1988	REVISIONS		SCALE 1:5000
NOTE No 92 H/8			FILE No.
COMPILED BY SM			

The drill core is currently stored on the property near the southwest corner of the Camsell 3 claim. All 1987 drill core was transported from the Chevron warehouse in Burnaby, B.C. to the property as well.

Tonto Drilling Ltd. of Burnaby, B.C. was contracted to drill on the Similkameen property in the fall of 1988. The drilling was carried out from September 27, 1988 to October 17, 1988 using a skid mounted Longyear 38 diamond drill and NQ rods.

The skid mounted drill, as well as the bulldozer, was transported on a low-bed truck along the B.C. Tel access road to within a few kilometres of the microwave tower. From the off load point the drill was skidded onto the property using the microwave access road.

Due to the low water volume in Larcan Creek water had to be hauled by truck from a site on Paul Creek. Tonto contracted Gallant Trucking Ltd. of Kamloops, B.C. for this purpose. The water was hauled using a truck-mounted 2500 gallon tank and transferred to a 3500 gallon storage tank located near the drill site. Water was pumped from the storage tank to the drill.

The drill core was transported to the Keremeos field office at the end of each shift and was logged using the Geolog format. The drill logs are tabulated in Appendix VII. The geoheader that outlines the use of the Geolog format is in Appendix VI. Samples were taken of altered and mineralized rocks in each drill hole. These included sulphide-rich zone, areas of skarning (however weak) and zones of intense calcic-alteration. An attempt was made to collect sludge samples every 3.0 metres down the hole. Where this was not possible, due to lack of circulation, all the core

was split, except for sections of Cahill Creek granodiorite. In this way the entire length of core in the Whistle Creek Sequence was sampled.

9.1 DRILL HOLE S88DH005

Drill hole S88DH005 was collared on Camsell 3 claim and drilled to a total depth of 89.61 metres along an azimuth of 000° and dip of -90°. This hole was collared at the site of S87DH002. The objective for drilling this hole was to intersect the narrow sulphide-rich diopside skarn which occurred at a depth of 59.07 - 61.36 m in S87DH002 (Figure 7).

Drill hole S88DH005 intersected a sequence of interbedded hornfels and calcareous siltstone that is intruded by Cahill Creek Pluton. One hornblende feldspar porphyry sill cuts the hornfelsed Hedley Formation sediments (Figure 7B).

Interbedded dark grey hornfels (70%) and pale grey thinly bedded to massive calcareous siltstone (30%) was intersected between 3.62 and 88.54 metres. The hornfels has typically undergone weak patchy calcic alteration up to 20%, and locally it may increase up to 50% (44.60 - 49.77 m). Calcareous siltstone appears relatively unaltered. A narrow interval of calc-hornfels interbedded with calcareous siltstone and several sections up to 10 cm wide of coarse grained garnet skarn occur at 16.50 - 21.21 metres.

A 35 cm zone of mottled, coarse grained garnet diopside skarn was intercepted at 45.35 metres. About 0.5 - 1.0% pyrrhotite occurs as blebs and disseminations within this skarn.

A hornblende feldspar porphyry dyke/sill was observed outlining the hornfelsed sediments at 72.63 - 83.70 metres. No sulphide mineralization was observed.

Cahill Creek granodiorite occurs from 88.54 m to end of the hole at 89.61 m. No substantial alteration is developed at the intrusive contact with the Hedley Formation sediments.

No gold values greater than the detection limit of 5 ppb were obtained from drill core with the exception of samples 359631 which returned 15 ppb gold.

9.2 DRILL HOLE S88DH006

Drill hole S88DH006 was collared on Camsell 4 claim and drilled to a total depth of 99.1 metres along azimuth of 080° and dip of -50°. The drill hole intersected a sequence of interbedded dark grey hornfels and lesser calcareous siltstone intruded by rare Hedley hornblende feldspar porphyry and Cahill Creek granodiorite (Figures 8 and 8A).

Interbedded dark grey hornfels and grey, thinly bedded to massive calcareous siltstone were intersected from 2.31 to 42.07. Hornfels exhibits weak patchy bleaching, 15% due to calcic alteration, whereas the calcareous siltstone appears generally unaltered.

A hornblende feldspar porphyry dyke or sill was encountered at 42.07 -50.54 m. It is dark brown-grey with 15% creamy subhedral plagioclase and 10% brown biotized hornblende phenocrysts with matrix partly replaced by biotite. Pyrrhotite blebs and disseminations (1%) and 0.1% pyrite disseminations occur within this intrusion. Hornfels at the upper contact with the hornblende-

feldspar porphyry have undergone strong calcic alteration within a zone over 2 m wide (39.91 - 42.07 m). The contact with the underlying Cahill Creek Pluton is brecciated and extensively chloritized from 48.0 to 50.54 m.

Grey, medium grained Cahill Creek granodiorite was intersected from 50.54 m to the bottom of the hole at 99.36 m. A narrow gabbroic dyke occurs at 91.19 - 91.95 m. The best gold values were obtained from samples 359914 and 359915. These are 350 and 70 ppb gold, respectively. Both samples also carry anomalous concentrations of arsenic, 1270 and 930 ppm from samples 359914 and 359915, respectively.

9.3 DRILL HOLE S88DH007

Drill hole S88DH007 was collared on Camsell 4 claim and drilled to a total depth of 78.33 m at an azimuth of 090° and a dip of -50°. This hole was located right on trench S87TR003, about 55 m from the western end (Figures 9 and 9A).

Interbedded hornfels, calc-hornfels and minor limestone were intersected from 3.05 to 40.83 m. Hornfels is dark grey, medium thinly bedded (5 - 20 cm) with 35 to 50% patchy and banded pale grey and pink calcic alteration. This interval is weakly mineralized. Up to 0.3% pyrrhotite occurs as blebs and disseminations. A 50 cm wide mafic dyke cuts the sequence at 33.03 m.

Pale grey calcareous siltstone (70%) intercalated with calc-hornfels (30%) and rare grey hornfels (5%) was intersected from 40.83 to 52.23 m.

A hornblende feldspar porphyry dyke occurs at 66.74 - 73.72 m. It is dark grey porphyritic with 20% biotite alteration of hornblende phenocrysts and partly of matrix. It contains up to 1% pyrrhotite and 0.3% pyrite as blebs and disseminations. The upper intrusive contact zone with Hedley Formations sediments is in part strongly bleached to pale grey calc-hornfels (60.64 - 66.74 metres). Narrow sections of garnet-diopside(?) skarn are intercalated with calc-hornfels and unaltered calcareous siltstone. Up to 0.3% pyrrhotite and 0.1% pyrite occur in this altered interval. The lower intrusive contact is formed by Cahill Creek Pluton. Hornblende feldspar porphyry occurring at 72.00 - 73.72 m is shattered, brecciated and locally bleached.

Grey, medium-grained and weakly porphyritic Cahill Creek granodiorite was intersected between 73.72 m and the bottom of the hole at 78.33 m.

The highest gold values were returned from samples 359964, 359965 and 359978 which carried 250,100 and 165 ppb gold, respectively. Gold values of 250 and 100 ppb have associated anomalous arsenic contents which are 330 and 905 ppm, respectively.

10. CONCLUSIONS

Camsell 1, 3 and 4 claims are underlain by Late Triassic Hedley Formation, a sequence of interbedded hornfels, calc-hornfels and limestone with minor calcareous siltstone and mafic tuff. The Hedley Formation sediments are intruded by number of hornblende-feldspar and feldspar porphyry dykes/sills and rare mafic dykes in S87TR004. No Hedley hornblende-feldspar porphyry intrusions are observed in the S87TR003. The only intrusions cutting the sedimentary sequence are two narrow mafic dykes which are very likely related to Hedley intrusive suite.

The calcic alteration observed in trenches S87TR004 and S87TR003 is generally weak and patchy. It becomes more pervasive and may form up to 80% of the sequence in areas proximal to Hedley dykes and sills and Cahill Creek Pluton. The spatial distribution of calcic alteration suggests that this alteration and associated gold mineralization are genetically related to the Hedley intrusions. However, only weak sulfide mineralization, with up to 3% pyrite and pyrrhotite, occurs within the altered sediments and younger intrusions.

The trench rock-chip sampling program did not return any significant gold values. The best samples collected in 1987, SM7S-249 and SM7S-235, assayed 115 and 95 ppb gold, whereas the best values from 1988 resampling program returned only 50 ppb gold (DD8S-77 and DD8S-115).

Generally weakly altered and weakly mineralized Hedley Formation sedimentary sequence was intersected in drill-holes S88DH005, S88DH006 and S88DH007. No significant gold values were returned from this drilling program. The best samples, 359914 and 359978, returned 350 and 250 ppb gold, respectively from drill holes S88DH006 and S88DH007.

11.0 RECOMMENDATIONS

Based on the work carried out on the Seadrift option claim during the 1988 field season, the following recommendations have been made:

1. Further trenching can be undertaken in the vicinity of trenches S87TR002 and S87TR003 in order to uncover areas with potentially more intensive and pervasive calc-silicate and skarn alteration;

2. Follow-up detailed lithogeochemical sampling;
3. Detailed structural investigation to establish the relationship, if any, between structure and distribution of calcic alteration and associated mineralization;
4. If 1, 2 and 3 prove successful, another phase of drilling may be warranted.

12.0 REFERENCES

- Krause, R.G. and Timmins, W.G., 1987, Report on the Camsell Group, Rice Group and Brown Group, Assessment Report.
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- Mark, D.G., 1985, Geophysical Report on a VLF-EM Survey Over the Camsell and Rice Claim Groups, Larcen Creek, Hedley Area, Report for Pacific Seadrift Resources Ltd.
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- Ray, G.E., Dawson, G.L. and Simpson, R., 1986, Geology and Controls of Skarn Mineralization in the Hedley Gold Camp, Southern British Columbia (92H/8E), B.C. Ministry of Energy, Mines and Petroleum Resources, Paper 1987-1, pp.65-79.
- Rice, H.M.A., 1947, Geology of the Princeton Map Area 92H (East Half), Geological Survey of Canada, Map 888A.

APPENDIX I
STATEMENT OF QUALIFICATIONS

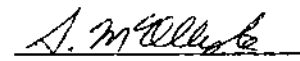
Statement of Qualifications

1, Sandy G. McAllister, hereby certify that:

1. I am presently employed as a geologist by Chevron Minerals Ltd. at 1900 - 1055 West Hastings Street, Vancouver, B. C.
2. I graduated from Queen's University in Kingston, Ontario with a B.Sc. (Honours, Geological Sciences) in May 1981.
3. I have practiced geology for the past 8 years in B. C.
4. I am fellow of the Geological Association of Canada, a member in good standing of the Society of Economic Geologists and a Licensee of the Association of Professional Engineers, Geologists and Geophysists of Alberta.
5. The work outlined in this report was conducted under my supervision.
6. I hold no direct or indirect interest nor do I expect to receive any interest in the property or in any securities of Seadrift International Exploration Ltd., or in any associated companies.
7. This report may be utilized by Seadrift International Exploration Ltd. for inclusion in a Prospectus or Statement of Material Facts.

Dated the 13 day of December 1988

Signed


Sandy G. McAllister


STATEMENT OF QUALIFICATIONS

I. Daria Duba, hereby certify that:

1. I am presently employed as a contract geologist with Discovery Consultants in Vernon, B. C.
2. I graduated from Concordia University, Montreal, P.Q. with a B.Sc. (Geology) in 1978 and McGill University with a M.Sc. (Economic Geology) in 1982.
3. I have practiced geology for the past ten years in British Columbia, Quebec, Ontario and Northwest Territories.
4. I am a member in good standing of Geological Association of Canada and Prospectors and Developers Association.
5. I conducted the fieldwork outlined in this report.
6. I hold no direct or indirect interest nor do I expect to receive any interest in the property or in any securities of Seadrift International Exploration Ltd. or in any associated companies.
7. This report may be utilized by Seadrift International Exploration Ltd. for inclusion in a Prospectus or Statement of Material Facts.

Dated the 4th day of November 1988

Signed


Daria Duba

/

STATEMENT OF QUALIFICATIONS

I, Jennifer S. Getsinger, do hereby certify:

1. That I am a geologist employed by Chevron Minerals Ltd. with offices at 1900 - 1055 West Hastings Street, Vancouver, B.C. V6E 2E9.
2. That I have studied geology at Harvard University (A.B. 1974), and have graduate degrees in geology from the University of Washington, Seattle (M.S. 1978), and from the University of British Columbia, Vancouver (Ph.D. 1985).
3. That I have practiced within the geological profession since 1974.
4. That I am a Fellow of the Geological Association of Canada and a member of the Geological Society of America.
5. That the opinions, conclusions and recommendations contained herein are based in part on petrographic analysis and research carried out by me.
6. That I hold no direct or indirect interest nor do I expect to receive any interest in the property or in any securities of Montello Resources Ltd., or in any associated companies.
7. That this report may be utilized by Seadrift International Exploration Ltd. for inclusion in a Prospectus or Statement of Material Facts.

Signed _____



November 30, 1988
Vancouver, B.C.

APPENDIX II
COST STATEMENT

1988 SIMILKAMEEN COST STATEMENT

SEADRIFT OPTION

SALARIES

	<u>Field</u>	<u>Office</u>	<u>Field Dates</u>
S. McAllister	3.5	26.0	Sept. 15-18, 24-25, Oct. 11
D. Duba	14.0	0.5	Sept. 13 - Oct. 21, Oct. 27
J. Begges	15.0		Sept. 15-23, Sept. 25 - Oct. 27
T. Zanger	3.0		Sept. 28-30
J. Getsinger		2.0	
K. Niggemann		3.0	
J. Donnelly		3.0	
J. Burgoyne		3.0	
	<hr/>	<hr/>	
	35.5	37.5	
	73 days @ \$209		15,257.00

DISBURSEMENTS

Rocks (Au & 32 element ICP)	124 @ \$17.75	2,201.00
Rocks (Au & 32 element ICP & extra prep)	19 @ \$19.25	365.75
Sludges (Au)	36 @ \$10.75	387.00
Freight		441.07
Suburban rental	0.5 month @ \$1100	550.00
Jimmy rental	0.09 months @ \$800	72.00
Car rental (Penticton airport - Keremeos)		56.28
Airline fare (1.5 trips Vancouver - Penticton return)		308.95
Fuel		366.37
Rent		375.00
Telephone		125.69
Mobile radio telephone rental		283.98
Power		47.10
Drafting	23 hrs @ \$21.36	480.60
Reproductions		63.43
Supplies & provisions (flagging, sample bags, etc.)		793.17
Access fees	15 days @ \$80	1,200.00
Compaq 386 rental	4 days @ \$25	100.00
Compaq portable II rental	0.5 months @ \$500	250.00
Plotter rental	1 day @ \$20	20.00
D-6 mobe/demobe	4 hrs @ \$57	228.00
Reclamation & road building	9.2 hrs @ \$75	690.00
Miscellaneous		108.84
Diamond drilling	267.31 m @ \$102.42	27,379.19
(see attached sheet for detail)		<hr/>
	TOTAL	<u>\$ 52,150.42</u>

DIAMOND DRILLING COST

SEADRIFT OPTION

MOBILIZATION

Mobe to discharge point		\$ 750.00
Demobe to discharge point		750.00
Mobe	8.5 hours at non-operating rate @\$70	595.00
	3 man hours of extra labour @\$26	78.00
Demobe	9.5 hours at non-operating rate @\$70	665.00
	4 man hours of extra labour @\$26	104.00

DRILLING

DDH 88-5	294' @\$17.90	5,262.60
DDH 88-6	326' @\$17.90	5,835.40
DDH 88-7	257' @\$17.90	4,600.30

DRILL MOVES AND SET UP

DDH 88-5	2 hours at operating rate @\$80	160.00
	10 hours at non-operating rate @\$70	700.00
DDH 88-6	2 hours at operating rate @\$80	160.00
	5 hours at non-operating rate @\$70	350.00
DDH 88-7	2 hours at operating rate @\$80	160.00
	7 hours at non-operating rate @\$70	490.00

WATER TRUCK

4,803.75

OTHER

D-6 Cat	8 hours @\$75	600.00
Core boxes, mud products, etc.		<u>1,315.14</u>

TOTAL \$ 27,379.19

APPENDIX III
GEOCHEMICAL DATA



Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers
 212 BROOKSBANK AVE., NORTH VANCOUVER,
 BRITISH COLUMBIA, CANADA V7J-2C1
 PHONE (604) 984-0221

To: CHEVRON CANADA RESOURCES LTD.
 OPERATIONALS STAFF
 10 - 1055 W. HASTINGS ST.
 VANCOUVER, B.C.
 V6E 2E9
 Project: M579
 Comments: S. MCALLISTER

Page No.: 1-
 Tot. Pages: 2
 Date: 3-NOV-88
 Invoice #: I-8826153
 P.O. #: 30614

CERTIFICATE OF ANALYSIS A8826153

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Cu %	Cd ppm	Co ppm	Cr ppm	Ci ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
359601	205 238	10	1.19	0.8	5	130	< 0.5	4	>15.00	< 0.5	5	26	44	1.16	< 10	< 1	0.03	< 10	0.10	181
359602	205 238	< 5	1.15	0.8	15	110	< 0.5	2	>15.00	< 0.5	14	10	30	0.87	< 10	< 1	0.01	< 10	0.02	200
359603	205 238	30	1.53	1.0	330	300	0.5	< 2	>15.00	0.5	5	25	41	1.16	< 10	< 1	0.03	< 10	0.02	207
359604	205 238	20	2.31	1.0	20	580	0.5	< 2	>15.00	0.5	8	51	56	1.77	< 10	< 1	0.05	< 10	0.07	262
359605	205 238	10	1.42	0.8	15	190	< 0.5	< 2	>15.00	1.0	5	23	31	0.96	< 10	< 1	0.02	< 10	0.03	217
359606	205 238	< 5	0.78	0.2	< 5	180	< 0.5	< 2	>15.00	< 0.5	3	10	23	0.73	< 10	< 1	0.02	< 10	0.02	165
359607	205 238	< 5	0.69	0.6	5	410	< 0.5	4	>15.00	< 0.5	4	9	18	0.73	< 10	< 1	0.13	< 10	0.23	203
359608	205 238	< 5	1.19	0.6	5	910	< 0.5	2	>15.00	< 0.5	3	12	18	0.70	< 10	< 1	0.04	< 10	0.09	200
359609	205 238	10	1.79	0.8	5	150	< 0.5	< 2	>15.00	0.5	5	35	41	1.07	< 10	< 1	0.04	< 10	0.02	206
359610	205 238	15	1.80	1.0	10	140	< 0.5	< 2	>15.00	0.5	5	22	42	1.15	< 10	< 1	0.03	< 10	0.03	213
359611	205 238	< 5	1.19	0.6	< 5	160	< 0.5	< 2	>15.00	< 0.5	4	14	28	0.73	< 10	< 1	0.01	< 10	0.03	127
359612	205 238	< 5	2.48	1.4	< 5	690	0.5	< 2	>15.00	2.5	9	41	79	1.81	< 10	< 1	0.05	< 10	0.02	188
359613	205 238	< 5	0.78	1.2	10	380	0.5	< 2	>15.00	0.5	5	12	55	1.53	< 10	< 1	0.02	< 10	0.05	253
359614	205 238	< 5	1.18	0.6	5	230	< 0.5	2	>15.00	0.5	4	11	30	0.84	< 10	< 1	0.02	< 10	0.03	160
359615	205 238	< 5	1.09	1.0	10	330	0.5	2	>15.00	< 0.5	4	20	42	0.96	< 10	< 1	0.02	< 10	0.04	172
359616	205 238	25	1.12	1.0	< 5	330	< 0.5	< 2	>15.00	1.0	4	9	30	0.91	< 10	< 1	0.01	< 10	0.03	188
359617	205 238	15	2.01	0.8	10	710	< 0.5	< 2	>15.00	0.5	5	24	49	1.29	< 10	< 1	0.06	< 10	0.04	312
359618	205 238	10	1.15	0.4	5	380	< 0.5	< 2	>15.00	0.5	4	12	29	0.92	< 10	< 1	0.03	< 10	0.03	346
359619	205 238	15	1.60	0.4	< 5	300	0.5	2	>15.00	< 0.5	5	13	37	1.11	< 10	< 1	0.02	< 10	0.02	329
359620	205 238	15	1.31	0.2	10	250	< 0.5	2	>15.00	< 0.5	5	9	37	0.94	< 10	< 1	0.02	< 10	0.04	176
359621	205 238	25	1.36	0.4	< 5	190	< 0.5	< 2	>15.00	< 0.5	3	8	24	0.71	< 10	< 1	0.02	< 10	0.02	221
359622	205 238	< 5	1.49	0.2	45	60	< 0.5	< 2	>15.00	< 0.5	3	3	22	0.48	< 10	< 1	0.01	< 10	0.03	323
359623	205 238	15	1.11	0.4	20	70	< 0.5	< 2	>15.00	< 0.5	3	15	20	0.63	< 10	< 1	0.01	< 10	0.39	299
359624	205 238	25	2.22	0.4	230	250	0.5	< 2	>15.00	1.0	6	39	53	0.96	< 10	< 1	0.04	< 10	0.02	308
359625	205 238	< 5	1.43	0.6	105	100	< 0.5	< 2	>15.00	< 0.5	4	13	44	0.93	< 10	< 1	0.03	< 10	0.06	248
359626	205 238	< 5	2.42	0.4	20	50	0.5	< 2	>15.00	0.5	7	32	55	1.29	< 10	< 1	< 0.01	< 10	0.43	278
359627	205 238	< 5	4.60	1.2	50	10	1.0	< 2	>15.00	0.5	10	47	62	1.91	< 10	< 1	< 0.01	< 10	0.58	550
359951	205 238	< 5	3.88	0.6	30	180	0.5	< 2	10.10	< 0.5	8	56	87	2.26	< 10	< 1	0.17	< 10	0.28	342
359952	205 238	< 5	2.95	0.8	5	150	0.5	< 2	6.70	0.5	10	93	83	2.45	< 10	< 1	0.22	< 10	0.38	198
359953	205 238	< 5	1.98	1.0	5	140	0.5	< 2	>15.00	1.0	5	68	56	1.43	< 10	< 1	0.10	< 10	0.13	398
359954	205 238	< 5	2.22	1.0	10	120	1.0	< 2	>15.00	0.5	7	64	61	1.81	< 10	< 1	0.11	< 10	0.16	192
359955	205 238	< 5	1.52	1.0	5	70	0.5	< 2	>15.00	1.0	4	42	46	1.08	< 10	< 1	0.05	< 10	0.08	185
359956	205 238	10	1.78	0.8	5	140	0.5	< 2	>15.00	1.0	6	61	145	1.54	< 10	< 1	0.08	< 10	0.16	254
359957	205 238	< 5	1.14	0.6	< 5	120	0.5	< 2	>15.00	0.5	3	34	43	1.02	< 10	< 1	0.04	< 10	0.05	218
359958	205 238	10	1.97	0.6	10	70	0.5	< 2	13.65	< 0.5	6	63	54	1.58	< 10	< 1	0.04	< 10	0.05	323
359959	205 238	< 5	2.87	0.6	5	190	1.0	< 2	8.31	< 0.5	6	78	84	2.03	< 10	< 1	0.27	< 10	0.42	199
359960	205 238	< 5	1.66	0.6	30	440	0.5	< 2	12.40	< 0.5	4	62	75	1.31	< 10	< 1	0.05	< 10	0.18	242
359961	205 238	< 5	1.98	0.6	245	220	0.5	< 2	14.20	< 0.5	5	88	85	1.70	< 10	< 1	0.16	< 10	0.46	295
359962	205 238	< 5	2.35	0.4	40	120	0.5	< 2	>15.00	< 0.5	6	50	160	1.34	< 10	< 1	0.03	< 10	0.16	377
359963	205 238	< 5	1.91	0.6	5	200	0.5	< 2	14.90	0.5	4	90	145	1.30	< 10	< 1	0.07	< 10	0.13	298

CERTIFICATION :

B. Coughlin



Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers

111 BROOKSBANK AVE., NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-3C1

PHONE (604) 984-0221

To: CHEVRON CANADA RESOURCES LTD.

GENERAL STAFF
100 - 1055 W. HASTINGS ST.
VANCOUVER, B.C.
V6E 2E9

Project: M579

Comments: CC: S. McALLISTER

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Date : 3-NOV-88

Invoice #: I-8826153

P.O. #: 30614

CERTIFICATE OF ANALYSIS A8826153

SAMPLE DESCRIPTION	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
359601	205 238	3	0.09	30	1080	8	< 5	1	2310	0.07	< 10	< 10	12	< 5	57
359602	205 238	2	0.08	19	840	2	< 5	1	3440	0.05	< 10	< 10	8	< 5	28
359603	205 238	2	0.07	30	980	12	< 5	1	1625	0.07	< 10	< 10	12	< 5	73
359604	205 238	2	0.10	27	1060	6	< 5	2	1815	0.11	< 10	< 10	20	< 5	72
359605	205 238	1	0.08	16	790	4	< 5	1	2550	0.06	< 10	< 10	9	< 5	69
359606	205 238	1	0.04	15	590	< 2	< 5	1	2350	0.03	< 10	< 10	5	< 5	22
359607	205 238	< 1	0.01	10	400	< 2	< 5	1	2690	0.03	10	10	5	< 5	22
359608	205 238	1	0.04	14	700	2	< 5	1	2760	0.04	10	< 10	5	< 5	30
359609	205 238	2	0.18	24	870	8	< 5	1	2160	0.07	20	< 10	13	< 5	38
359610	205 238	2	0.14	25	950	4	< 5	1	2580	0.07	< 10	< 10	11	< 5	43
359611	205 238	< 1	0.06	19	900	4	< 5	1	2440	0.04	< 10	< 10	5	< 5	17
359612	205 238	3	0.08	43	1040	2	< 5	2	1725	0.11	10	< 10	22	< 5	184
359613	205 238	< 1	0.02	15	630	2	10	1	2470	0.03	< 10	< 10	7	< 5	31
359614	205 238	1	0.03	23	970	2	< 5	1	2450	0.05	< 10	< 10	7	< 5	32
359615	205 238	3	0.03	27	940	4	< 5	1	2890	0.05	< 10	< 10	12	< 5	47
359616	205 238	2	0.03	17	780	2	< 5	1	2950	0.04	< 10	< 10	8	< 5	64
359617	205 238	2	0.09	29	1010	< 2	< 5	1	1570	0.09	< 10	< 10	18	< 5	71
359618	205 238	2	0.03	22	890	2	< 5	1	1900	0.04	< 10	< 10	8	< 5	35
359619	205 238	3	0.04	28	910	< 2	< 5	1	2340	0.04	< 10	< 10	7	130	50
359620	205 238	3	0.02	29	950	8	< 5	1	2540	0.03	< 10	< 10	6	< 5	30
359621	205 238	1	0.03	15	730	< 2	< 5	1	2340	0.05	< 10	< 10	5	< 5	29
359622	205 238	2	0.01	18	790	< 2	< 5	1	1900	0.04	< 10	< 10	5	< 5	6
359623	205 238	1	0.01	13	720	2	< 5	2	1990	0.03	< 10	< 10	14	5	32
359624	205 238	4	0.03	45	1220	14	< 5	1	481	0.09	< 10	< 10	19	5	110
359625	205 238	3	0.01	28	930	< 2	< 5	1	1680	0.05	< 10	< 10	12	< 5	62
359626	205 238	4	0.01	38	1190	4	5	3	1305	0.07	< 10	< 10	22	< 5	87
359627	205 238	2	0.01	42	1230	6	10	6	571	0.17	< 10	< 10	50	5	102
359951	205 238	4	0.19	20	1120	12	< 5	5	1155	0.15	< 10	< 10	29	< 5	45
359952	205 238	3	0.19	30	1070	4	< 5	7	809	0.20	< 10	< 10	52	5	70
359953	205 238	3	0.09	39	1440	12	< 5	3	876	0.12	10	< 10	36	10	86
359954	205 238	4	0.14	44	1420	10	< 5	3	1065	0.14	< 10	< 10	38	< 5	75
359955	205 238	2	0.05	36	1540	< 2	< 5	2	1445	0.09	< 10	< 10	30	< 5	66
359956	205 238	3	0.10	38	1400	2	< 5	2	1185	0.12	< 10	< 10	37	< 5	102
359957	205 238	1	0.12	20	1330	8	< 5	1	1480	0.07	< 10	< 10	13	< 5	73
359958	205 238	1	0.21	26	1190	< 2	< 5	2	1205	0.11	< 10	< 10	17	< 5	48
359959	205 238	3	0.29	29	1040	2	< 5	7	1220	0.16	< 10	< 10	33	< 5	50
359960	205 238	2	0.11	26	1080	4	< 5	3	1035	0.10	< 10	< 10	23	< 5	52
359961	205 238	4	0.17	38	1110	2	< 5	5	1445	0.15	< 10	< 10	35	< 5	48
359962	205 238	2	0.13	27	1080	< 2	< 5	4	1270	0.12	< 10	< 10	32	5	40
359963	205 238	3	0.18	37	1040	2	< 5	2	1495	0.13	< 10	< 10	34	< 5	74

CERTIFICATION :

B. Coughlin



Chemex Labs Ltd.

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111 BROOKSBANK AVE., NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1

PHONE (604) 984-0221

To: CHEVRON CANADA RESOURCES LTD.

GENERALS STAFF
30 - 1055 W. HASTINGS ST.
VANCOUVER, B.C.
V6E 2E9

Project: M579

Comments: CC: S. MCALLISTER

Page No.: 2-
Tot. Pages: 2
Date: 3-NOV-88
Invoice #: I-8826153
P.O. #: 30614

CERTIFICATE OF ANALYSIS A8826153

SAMPLE DESCRIPTION	PREP CODE		Au ppb	Al %	Ag ppm	As ppm	Ba ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
			FA+AA	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm
359964	205	238	250	1.81	0.6	330	40	0.5	< 2	>15.00	< 0.5	6	61	351	1.21	< 10	< 1	0.02	< 10	0.08	442
359965	205	238	100	3.13	0.4	905	50	1.5	< 2	12.40	< 0.5	10	87	291	2.02	< 10	< 1	0.06	< 10	0.41	462
359966	205	238	50	2.34	0.6	330	50	1.0	< 2	10.30	< 0.5	9	59	228	1.69	< 10	< 1	0.04	< 10	0.55	357
359967	205	238	55	0.90	0.6	45	80	< 0.5	< 2	>15.00	< 0.5	3	11	93	0.67	< 10	< 1	0.02	< 10	0.20	216
359968	205	238	30	0.79	0.6	< 5	60	0.5	< 2	>15.00	0.5	4	17	45	0.95	< 10	< 1	0.01	< 10	0.02	158
359969	205	238	30	1.97	0.6	10	60	1.0	< 2	10.75	< 0.5	9	97	124	1.66	< 10	< 1	0.02	< 10	0.07	114
359970	205	238	15	0.37	0.6	5	80	< 0.5	< 2	>15.00	0.5	3	10	33	0.48	< 10	< 1	< 0.01	< 10	0.03	128
359971	205	238	10	1.20	0.2	5	60	0.5	< 2	>15.00	0.5	3	19	73	0.76	< 10	< 1	0.02	< 10	0.04	174
359972	205	238	40	1.42	0.2	10	240	0.5	< 2	>15.00	1.0	5	36	97	0.96	< 10	< 1	0.03	< 10	0.24	239
359973	205	238	10	0.67	0.2	< 5	200	< 0.5	< 2	>15.00	0.5	3	13	45	0.56	< 10	< 1	0.03	< 10	0.04	149
359974	205	238	10	0.33	0.2	5	140	< 0.5	< 2	>15.00	< 0.5	2	12	19	0.43	< 10	< 1	< 0.01	< 10	0.02	97
359975	205	238	15	0.68	0.4	< 5	120	< 0.5	< 2	>15.00	0.5	3	8	43	0.62	< 10	< 1	< 0.01	< 10	0.02	134
359976	205	238	< 5	1.54	0.2	10	100	0.5	< 2	>15.00	1.0	4	21	139	0.77	< 10	< 1	0.01	< 10	0.05	336
359977	205	238	40	1.90	0.2	10	80	0.5	< 2	14.40	0.5	6	23	146	1.16	< 10	< 1	0.04	< 10	0.07	213
359978	205	238	165	1.51	0.4	40	170	0.5	< 2	>15.00	< 0.5	3	16	185	0.50	< 10	< 1	0.01	< 10	0.06	233
359979	205	238	10	1.12	0.2	35	180	0.5	< 2	>15.00	< 0.5	2	18	96	0.64	< 10	< 1	< 0.01	< 10	0.07	236
359980	205	238	< 5	1.70	0.2	35	110	0.5	< 2	>15.00	< 0.5	2	15	107	0.73	< 10	< 1	0.01	< 10	0.06	384
359981	205	238	10	2.33	0.2	40	40	0.5	< 2	>15.00	< 0.5	4	33	154	0.75	< 10	< 1	0.04	< 10	0.05	326
359982	205	238	50	1.41	0.4	305	270	1.5	< 2	1.60	< 0.5	18	15	241	3.44	10	< 1	0.24	< 10	0.85	293
359983	205	238	30	2.10	0.4	75	100	1.0	< 2	2.16	< 0.5	18	22	239	3.56	10	< 1	0.15	< 10	1.02	347
359984	205	238	30	1.69	0.4	195	170	0.5	< 2	1.70	< 0.5	23	29	264	3.33	< 10	< 1	0.21	< 10	1.02	295

CERTIFICATION :

B. Coghlin



Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers
 212 BROOKSBANK AVE., NORTH VANCOUVER,
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 PHONE (604) 984-0211

To: CHEVRON CANADA RESOURCES LTD.
 SERALS STAFF
 1700 - 1055 W. HASTINGS ST.
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 V6E 2E9

Project: M579
 Comments: CC: S. MCALLISTER

Page No. : 2
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 Date : 3-NOV-88
 Invoice #: I-8826153
 P.O. #: 30614

CERTIFICATE OF ANALYSIS A8826153

SAMPLE DESCRIPTION	PREP CODE		Mo	Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
			ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
359964	205	238	3	0.14	34	1110	< 2	< 5	2	939	0.11	< 10	< 10	23	5	43
359965	205	238	4	0.27	39	1280	< 2	5	3	969	0.15	< 10	< 10	36	5	45
359966	205	238	7	0.16	46	1080	2	< 5	3	697	0.12	< 10	< 10	34	< 5	59
359967	205	238	2	0.02	24	980	2	< 5	1	1995	0.04	< 10	< 10	7	< 5	34
359968	205	238	1	0.04	31	1020	4	< 5	1	1895	0.05	< 10	< 10	11	< 5	63
359969	205	238	5	0.07	54	1110	4	5	3	758	0.17	< 10	< 10	36	5	56
359970	205	238	1	0.03	14	740	4	< 5	1	2720	0.03	10	< 10	7	< 5	68
359971	205	238	2	0.09	22	810	< 2	< 5	1	2410	0.09	< 10	< 10	16	5	41
359972	205	238	2	0.07	25	990	2	< 5	2	1665	0.09	< 10	< 10	22	5	58
359973	205	238	1	0.02	16	830	6	< 5	1	3290	0.05	10	< 10	11	< 5	35
359974	205	238	1	0.03	12	610	< 2	< 5	1	3200	0.02	< 10	< 10	5	< 5	19
359975	205	238	1	0.03	17	730	< 2	< 5	1	3690	0.04	< 10	< 10	7	< 5	30
359976	205	238	5	0.15	22	1110	< 2	< 5	1	2140	0.08	< 10	< 10	17	< 5	80
359977	205	238	3	0.19	24	880	< 2	< 5	1	1670	0.09	< 10	< 10	16	< 5	39
359978	205	238	5	0.15	15	930	< 2	80	1	2650	0.08	< 10	< 10	12	< 5	22
359979	205	238	1	0.07	12	1010	< 2	< 5	1	2080	0.07	< 10	< 10	17	< 5	12
359980	205	238	1	0.15	8	900	2	< 5	1	2430	0.05	< 10	< 10	16	< 5	12
359981	205	238	8	0.25	23	1090	6	< 5	1	1370	0.10	< 10	< 10	18	< 5	15
359982	205	238	1	0.06	5	870	< 2	< 5	2	138	0.23	< 10	< 10	82	< 5	36
359983	205	238	3	0.08	6	810	< 2	< 5	5	123	0.21	< 10	< 10	97	< 5	39
359984	205	238	1	0.10	7	770	< 2	< 5	5	134	0.22	< 10	< 10	99	< 5	35

CERTIFICATION : B. Coughlin



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212 BROOKSBANK AVE., NORTH VANCOUVER,
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PHONE (604) 984-0221

To: CHEVRON CANADA RESOURCES LTD.

MINERALS STAFF

1055 W. HASTINGS ST.

VANCOUVER, B.C.

V6E 2E9

Project: M579

Comments: SANDY McALLISTER

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Date: 26-JUL-88

Invoice #: I-8825833

P.O. #: 30611

CERTIFICATE OF ANALYSIS A8825833

SAMPLE DESCRIPTION	PREP CODE		Au ppb	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
			Fa+AA	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm
359901	205	238	10	2.30	0.6	15	90	< 0.5	< 2	>15.00	0.5	5	47	60	1.81	10	1	0.04	< 10	0.02	185
359902	205	238	15	2.86	1.4	< 5	130	< 0.5	< 2	>15.00	0.5	8	149	133	2.11	10	< 1	0.12	< 10	0.09	111
359903	205	238	10	1.83	0.8	10	170	< 0.5	< 2	>15.00	< 0.5	6	23	88	1.20	10	1	0.03	< 10	0.02	214
359904	205	238	50	2.01	0.6	5	110	< 0.5	< 2	>15.00	0.5	4	52	97	1.26	10	< 1	0.04	< 10	0.05	217
359905	205	238	< 5	0.77	0.2	5	50	< 0.5	< 2	>15.00	0.5	2	22	64	0.97	10	1	< 0.01	< 10	0.01	147
359906	205	238	< 5	1.35	0.4	5	130	< 0.5	< 2	>15.00	1.0	5	50	183	1.41	10	< 1	0.01	< 10	0.04	196
359907	205	238	< 5	0.81	0.2	20	590	< 0.5	< 2	>15.00	< 0.5	3	38	150	0.84	10	< 1	< 0.01	< 10	0.05	206
359908	205	238	20	0.54	0.2	< 5	240	< 0.5	< 2	>15.00	< 0.5	3	16	133	0.55	10	< 1	< 0.01	< 10	0.03	126
359909	205	238	< 5	1.54	0.4	15	130	< 0.5	< 2	>15.00	< 0.5	4	32	184	1.00	10	< 1	0.02	< 10	0.03	206
359910	205	238	< 5	1.35	0.6	20	120	< 0.5	< 2	>15.00	0.5	5	33	147	1.12	10	< 1	0.01	< 10	0.03	206
359911	205	238	< 5	0.36	0.2	10	130	< 0.5	4	>15.00	< 0.5	2	7	25	0.38	10	< 1	< 0.01	< 10	0.01	80
359912	205	238	< 5	1.47	0.4	20	160	< 0.5	< 2	>15.00	0.5	5	26	90	1.02	10	< 1	0.01	< 10	0.02	119
359913	205	238	35	2.01	0.6	2370	150	< 0.5	< 2	>15.00	< 0.5	8	49	84	1.05	10	< 1	0.03	< 10	0.07	202
359914	205	238	350	2.36	0.6	1270	60	< 0.5	< 2	2.10	< 0.5	29	47	268	8.37	< 10	< 1	0.13	10	1.17	241
359915	205	238	70	4.12	0.8	930	40	< 0.5	< 2	6.20	< 0.5	23	45	226	5.20	10	< 1	0.05	< 10	1.59	402
359916	205	238	50	2.60	0.6	675	50	1.0	< 2	2.31	1.5	22	60	339	4.08	< 10	< 1	0.16	10	1.76	367
359917	205	238	30	2.32	0.4	55	50	0.5	< 2	4.50	< 0.5	15	36	211	4.47	10	< 1	0.11	< 10	1.06	558

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S

CERTIFICATION :

B. Coughlin



Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers

212 BROOKSBANK AVE., NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-1C1

PHONE (604) 984-0111

To: ENVIRON CANADA RESOURCES LTD.
LABORATORIAL STAFF
1900 - 1055 W. HASTINGS ST.
VANCOUVER, B.C.
V6E 2E9

Project: M570

Comments: CC: SANDY McALLISTER

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Date: 26-OCT-88
Invoice #: I-8825833
P.O. #: 30611

CERTIFICATE OF ANALYSIS A8825833

SAMPLE DESCRIPTION	PREP CODE	Mb ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
359901	205 238	3	0.10	28	1120	< 2	< 5	1	2040	0.08	< 10	< 10	18	< 5	41
359902	205 238	6	0.22	44	1070	10	< 5	3	1080	0.15	< 10	< 10	30	< 5	56
359903	205 238	1	0.12	19	880	6	5	1	2510	0.05	< 10	< 10	5	< 5	26
359904	205 238	2	0.09	31	990	12	5	1	1315	0.09	< 10	< 10	14	< 5	53
359905	205 238	1	0.03	29	1130	< 2	< 5	< 1	1790	0.04	< 10	< 10	9	< 5	55
359906	205 238	7	0.07	38	1100	< 2	< 5	1	1440	0.06	< 10	< 10	15	< 5	88
359907	205 238	8	0.05	20	850	< 2	5	1	2580	0.04	< 10	< 10	12	< 5	17
359908	205 238	3	0.03	12	720	< 2	< 5	< 1	3140	0.02	< 10	< 10	3	< 5	18
359909	205 238	6	0.12	20	860	< 2	5	< 1	2080	0.04	< 10	< 10	9	< 5	26
359910	205 238	4	0.04	21	990	12	< 5	1	1860	0.04	< 10	< 10	10	< 5	40
359911	205 238	< 1	0.03	11	680	< 2	5	< 1	2990	0.01	< 10	< 10	2	< 5	16
359912	205 238	2	0.04	25	810	6	< 5	< 1	2190	0.05	< 10	< 10	8	< 5	51
359913	205 238	2	0.10	25	1000	< 2	25	1	1115	0.05	< 10	< 10	13	< 5	35
359914	205 238	< 1	0.11	14	730	2	10	6	112	0.24	< 10	< 10	113	< 5	39
359915	205 238	< 1	0.06	9	630	12	10	10	183	0.14	< 10	< 10	117	< 5	50
359916	205 238	2	0.13	8	720	20	10	8	118	0.21	< 10	< 10	131	< 5	55
359917	205 238	< 1	0.04	5	690	16	10	13	179	0.07	< 10	< 10	118	< 5	51

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CERTIFICATION :

B. Coughlin



Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers
212 BROOKSBANK AVE., NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-1C1
PHONE (604) 984-0221

To: CHEVRON CANADA RESOURCES LTD.
GENERAL STAFF
900 - 1055 W. HASTINGS ST.
VANCOUVER, B.C.
V6E 2E9
Project: M579
Comments: GC: S. McALLISTER

Page No. :
Tot. Pages :
Date : 24-OCT-88
Invoice #: I-8825740
P.O. #: 30609

CERTIFICATE OF ANALYSIS A8825740

SLUDGE

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA										
400008	205	---	25									
400009	205	---	5									
400010	205	---	5									
400011	205	---	5									
400012	205	---	10									
400013	205	---	5									
400014	205	---	5									
400015	205	---	5									
400016	205	---	5									
400017	205	---	5									
400018	205	---	5									
400019	205	---	5									
400020	205	---	5									
400021	205	---	5									
400022	205	---	5									
400023	205	---	5									
400024	205	---	5									
400025	205	---	5									
400026	205	---	5									
400027	205	---	5									
400028	205	---	5									
400029	205	---	5									
400030	205	---	5									
400031	205	---	5									
400032	205	---	5									
400033	205	---	5									
400034	205	---	5									

88-5
(S)

SLUDGES - 88 -

CERTIFICATION : *John Vink*



Chemex Labs Ltd.

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211 BROOKSBANK AVE., NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1

PHONE (604) 934-0221

To: CHEVRON CANADA RESOURCES LTD
GENERAL STAFF
2900 - 1055 W. HASTINGS ST.
VANCOUVER, B.C.
V6E 2E9

Project: M579

Comments: C.C. S. McALLISTER

Page No. _____
Tot. Pages: _____
Date: 20-OCT-88
Invoice #: I-8825599
P.O. #: 30607

CERTIFICATE OF ANALYSIS A8825599

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
359628 H	212 238	< 5	1.47	1.2	20	280	< 0.5	< 2	>15.00	< 0.5	2	29	48	1.40	20	< 1	0.04	< 10	0.02	129
359629 H	212 238	< 5	2.50	1.4	35	390	< 0.5	< 2	14.60	< 0.5	10	80	69	2.01	20	< 1	0.08	< 10	0.03	126
359630 H	212 238	< 5	0.64	0.6	5	190	< 0.5	< 2	>15.00	< 0.5	4	8	24	0.79	30	< 1	0.01	< 10	0.01	166
359631 H	212 238	15	3.95	2.2	60	320	< 0.5	< 2	12.50	< 0.5	24	31	159	4.88	40	3	0.14	< 10	0.16	213
359632 H	212 238	< 5	2.45	0.6	15	340	< 0.5	< 2	>15.00	< 0.5	8	11	38	1.50	30	< 1	0.06	< 10	0.07	236
359633 H	212 238	< 5	1.94	0.4	5	350	< 0.5	2	>15.00	< 0.5	4	14	22	0.80	30	< 1	0.04	< 10	0.05	281
359634 H	212 238	< 5	2.27	0.4	20	540	< 0.5	2	>15.00	< 0.5	3	38	36	0.93	30	2	0.06	< 10	0.03	299
359635 H	212 238	< 5	1.97	0.6	80	190	< 0.5	< 2	>15.00	< 0.5	8	57	56	1.42	20	< 1	0.07	< 10	0.02	347
359636 H	212 238	< 5	1.01	0.4	20	320	< 0.5	< 2	>15.00	< 0.5	3	11	34	1.13	20	< 1	0.03	< 10	0.07	427
359637 H	212 238	< 5	1.85	0.6	15	250	< 0.5	2	>15.00	< 0.5	3	26	40	1.09	20	< 1	0.03	< 10	0.03	183
359638 H	212 238	< 5	1.88	0.4	110	90	< 0.5	< 2	>15.00	< 0.5	4	16	39	0.75	20	< 1	0.03	< 10	0.02	252
359639 H	212 238	< 5	2.19	0.2	145	120	< 0.5	2	2.61	< 0.5	23	21	48	3.60	10	1	0.17	10	0.88	244
359640 H	212 238	< 5	2.05	0.2	475	130	< 0.5	< 2	1.76	< 0.5	43	22	64	4.78	10	1	0.26	10	1.07	292
359641 H	212 238	< 5	2.53	0.2	40	440	< 0.5	< 2	1.53	< 0.5	21	32	17	3.79	10	< 1	0.75	10	1.28	394
359642 H	212 238	< 5	2.60	0.2	80	460	< 0.5	< 2	1.74	< 0.5	21	32	10	3.75	10	< 1	0.84	10	1.35	443
359643 H	212 238	< 5	1.83	0.2	45	210	< 0.5	< 2	2.44	< 0.5	27	19	58	4.00	10	< 1	0.36	10	0.85	242
359644 H	212 238	< 5	1.99	0.2	35	100	< 0.5	< 2	3.51	< 0.5	28	24	94	4.70	10	< 1	0.17	< 10	0.59	173
359645 H	212 238	< 5	1.67	0.2	30	110	< 0.5	< 2	>15.00	0.5	8	18	42	1.29	20	< 1	0.05	< 10	0.11	249
359646 H	212 238	< 5	2.22	0.6	10	140	< 0.5	< 2	>15.00	1.0	8	28	57	1.23	20	< 1	0.18	< 10	0.12	162

88-5
(S)

CERTIFICATION: B. Cogh



Chemex Labs Ltd.

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212 BROOKSBANK AVE., NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1

PHONE (604) 984-0211

To: CHEVRON CANADA RESOURCES LTD.
GENERAL STAFF
00 - 1055 W. HASTINGS ST.
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V6E 2E9

Project: M579

Comments: CC: S. McALLISTER

Page No. 1-B

Tot. Pages:

Date: OCT-88

Invoice #: I-8825590

P.O. #: 30607

CERTIFICATE OF ANALYSIS A8825599

SAMPLE DESCRIPTION	PREP CODE		Mo	Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
			ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
359628 H	212	238	3	0.07	36	1140	2	5	1	1185	0.07	< 10	< 10	13	< 5	100
359629 H	212	238	4	0.09	56	1360	12	5	3	1100	0.15	< 10	< 10	25	< 5	109
359630 H	212	238	2	0.01	22	1080	< 2	5	1	2940	0.03	< 10	< 10	6	5	42
359631 H	212	238	< 1	0.25	23	1130	20	10	2	4450	0.13	< 10	< 10	21	< 5	81
359632 H	212	238	< 1	0.15	13	1070	14	10	1	3510	0.05	< 10	< 10	8	5	37
359633 H	212	238	< 1	0.09	14	1330	8	10	1	2850	0.04	< 10	< 10	6	5	49
359634 H	212	238	1	0.12	26	1190	22	5	1	2520	0.08	< 10	< 10	12	< 5	48
359635 H	212	238	2	0.12	42	1240	8	5	1	1450	0.10	< 10	< 10	18	< 5	53
359636 H	212	238	< 1	0.03	25	1160	18	5	< 1	1650	0.02	< 10	< 10	2	< 5	29
359637 H	212	238	1	0.02	25	1140	14	5	1	1565	0.05	< 10	< 10	8	< 5	69
359638 H	212	238	4	0.01	41	1510	20	5	1	859	0.04	< 10	< 10	7	5	41
359639 H	212	238	< 1	0.15	8	1040	10	5	4	387	0.23	< 10	< 10	98	< 5	36
359640 H	212	238	< 1	0.17	13	980	12	5	4	220	0.25	< 10	< 10	117	< 5	42
359641 H	212	238	< 1	0.32	13	990	2	< 5	5	429	0.32	< 10	< 10	145	< 5	45
359642 H	212	238	< 1	0.32	7	980	< 2	< 5	6	381	0.33	< 10	< 10	158	< 5	44
359643 H	212	238	< 1	0.19	11	1020	8	< 5	4	365	0.23	< 10	< 10	97	< 5	38
359644 H	212	238	< 1	0.11	15	1060	< 2	5	2	369	0.17	< 10	< 10	68	< 5	26
359645 H	212	238	2	0.03	36	1370	8	5	1	1290	0.06	< 10	< 10	18	< 5	63
359646 H	212	238	2	0.01	49	1590	< 2	5	1	701	0.07	< 10	< 10	17	< 5	97

CERTIFICATION:

B. Coughlin



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212 BROOKSBANK AVE., NORTH VANCOUVER,
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PHONE (604) 944-0221

To: CHEVRON CANADA RESOURCES LTD.
LABORATORIAL STAFF
1000 - 1055 W. HASTINGS ST.
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V6E 2E9

Project: MS/9

Comments: MC: SANDY MCALLISTER

Page No. : 1
Tot. Pages: 1
Date : 30-OCT-88
Invoice # : I-8826152
P.O. # : 30612/16

CERTIFICATE OF ANALYSIS A8826152

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA											
400035	205	---	^^	5									
400036	205	---	^^	5									
400037	205	---	^^	5									
400038	205	---	^^	5									
400039	205	---	^^	5									
88-6													
400040	205	---	^^	5									
400041	205	---	^^	5									
400042	205	---	^^	5									
400043	205	---	^^	5									
88-7 S													

CERTIFICATION : *Mark Voth*



Chemex Labs Ltd.

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212 BROOKSBANK AVE., NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1

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To: CHEVRON CANADA RESOURCES LTD.
MINERALS STAFF
1 J - 1055 W. HASTINGS ST.
VANCOUVER, B.C.
V6E 2E9

Project: M579

Comments: CC: S. MCALLISTER

Page No.: 2-A
Tot. Pages: 3
Date: 6 OCT-88
Invoice #: I-8824500
P.O. #: 30604

CERTIFICATE OF ANALYSIS A8824500

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
EDS-073	205 238	15	1.53	2.4	45	40	< 0.5	< 2	4.75	0.5	2	73	61	0.28	10	< 1	0.06	< 10	0.14	109
EDS-074	205 238	5	1.50	1.2	75	70	< 0.5	< 2	3.06	0.5	6	96	62	0.69	10	< 1	0.07	20	0.27	89
EDS-075	205 238	15	1.40	0.8	135	90	< 0.5	< 2	2.95	1.0	7	77	87	0.66	10	< 1	0.04	20	0.27	150
EDS-076	205 238	10	0.95	0.2	70	30	< 0.5	14	>15.00	1.0	3	29	18	0.21	30	< 1	0.02	< 10	0.10	180
EDS-077	205 238	50	2.94	0.6	350	50	< 0.5	4	4.29	0.5	15	42	93	1.99	10	< 1	0.06	10	0.15	95
EDS-078/079	205 238	25	2.51	0.8	355	70	< 0.5	< 2	4.86	0.5	17	20	51	2.40	10	< 1	0.10	< 10	0.41	108
EDS-080	205 238	5	1.87	0.6	75	50	< 0.5	2	5.42	0.5	6	81	58	0.63	20	< 1	0.09	< 10	0.15	86
EDS-081	205 238	5	1.95	0.4	100	70	< 0.5	4	5.90	0.5	7	134	67	0.84	20	< 1	0.13	< 10	0.22	134

CERTIFICATION :

B. Coughlin



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 212 BROOKSBANK AVE., NORTH VANCOUVER,
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 V6E 2E9
 Project: M579
 Comments: CC: S. MCALLISTER

Page No.: 2-
 Tot. Pages: 3
 Date: 6-OCT-88
 Invoice #: I-8824500
 P.O. #: 30604

CERTIFICATE OF ANALYSIS A8824500

SAMPLE DESCRIPTION	PREP CODE	Mb ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
DD4S-073	205 238	< 1	0.22	29	2330	46	10	1	318	0.08	< 10	< 10	5	< 5	20
DD4S-074	205 238	1	0.11	41	1880	10	< 5	2	210	0.10	< 10	< 10	18	< 5	64
DD4S-075	205 238	2	0.12	37	2180	8	5	1	272	0.08	< 10	< 10	13	< 5	69
DD4S-076	205 238	2	0.05	19	2280	10	5	< 1	617	0.04	< 10	< 10	5	< 5	40
DD4S-077	205 238	101	0.21	61	1880	10	5	1	252	0.09	< 10	< 10	69	< 5	26
DD4S-078/079	205 238	7	0.29	25	1430	18	5	2	244	0.12	< 10	< 10	41	< 5	34
DD4S-080	205 238	6	0.13	30	1730	6	< 5	1	234	0.10	< 10	< 10	27	< 5	37
DD4S-081	205 238	4	0.15	49	3020	< 2	< 5	1	236	0.13	< 10	< 10	42	5	42

CERTIFICATION: B. Coughlin



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212 BROOKSBANK AVE. NORTH VANCOUVER,
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V6E 2E9

Project: M579

Comments: CC: S. MCALLISTER

Page No. : 3-P

Tot. Pages: 3

Date : 6 OCT-88

Invoice #: I-8824500

P.O. #: 30604

CERTIFICATE OF ANALYSIS A8824500

SAMPLE DESCRIPTION	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
DD&S-082	205 238	1	0.26	28	2960	2	5	< 1	446	0.12	< 10	< 10	15	5	7
DD&S-083	205 238	1	0.14	14	1340	< 2	< 5	< 1	353	0.14	< 10	< 10	12	< 5	7
DD&S-084	205 238	2	0.17	30	1160	< 2	5	< 1	310	0.18	< 10	< 10	27	5	10
DD&S-085	205 238	1	0.16	25	3660	< 2	5	< 1	377	0.10	< 10	< 10	16	5	16
DD&S-086	205 238	20	0.21	34	2580	6	5	1	392	0.15	< 10	< 10	33	5	23
DD&S-087	205 238	7	0.12	24	2120	16	5	1	214	0.11	< 10	< 10	18	< 5	12
DD&S-088	205 238	59	0.13	90	1650	12	10	1	277	0.13	< 10	< 10	191	< 5	349
DD&S-089	205 238	< 1	0.07	62	1700	< 2	5	7	109	0.14	< 10	< 10	116	< 5	56
DD&S-090	205 238	1	0.09	32	2350	22	5	1	294	0.12	< 10	< 10	27	< 5	41
DD&S-091	205 238	2	0.31	28	1830	< 2	5	1	430	0.16	< 10	< 10	15	< 5	26
DD&S-092	205 238	< 1	0.23	31	1490	10	< 5	< 1	318	0.14	< 10	< 10	12	< 5	9
DD&S-093	205 238	2	0.14	36	1840	6	5	1	314	0.14	< 10	< 10	38	< 5	13
DD&S-094	205 238	< 1	0.24	33	1180	10	5	< 1	317	0.17	< 10	< 10	9	< 5	9
DD&S-095	205 238	5	0.21	33	2000	22	< 5	< 1	334	0.10	< 10	< 10	35	< 5	25
DD&S-096	205 238	< 1	0.16	24	1860	8	5	1	232	0.12	< 10	< 10	22	< 5	16
DD&S-097	205 238	< 1	0.11	35	1850	10	< 5	1	160	0.11	< 10	< 10	27	< 5	25
DD&S-098	205 238	< 1	0.13	36	2190	14	5	1	169	0.09	< 10	< 10	25	5	30
DD&S-099	205 238	< 1	0.14	23	2550	2	5	1	168	0.12	< 10	< 10	19	5	84
DD&S-100	205 238	< 1	0.14	22	1270	20	5	1	122	0.13	< 10	< 10	27	< 5	25
DD&S-101	205 238	1	0.13	2	740	10	< 5	5	43	0.30	< 10	< 10	99	< 5	45
DD&S-102	205 238	1	0.18	26	1770	32	5	1	222	0.14	< 10	< 10	25	< 5	21
DD&S-104	205 238	1	0.04	13	1840	14	5	< 1	574	0.05	< 10	< 10	14	< 5	15
DD&S-105	205 238	1	0.08	26	1480	< 2	< 5	< 1	1180	0.05	< 10	< 10	10	< 5	61
DD&S-106	205 238	1	0.08	24	1230	10	10	1	1175	0.07	< 10	< 10	13	< 5	322
DD&S-107	205 238	2	0.08	24	1210	8	< 5	1	774	0.07	< 10	< 10	15	< 5	64
DD&S-108	205 238	< 1	0.08	20	1210	6	< 5	1	1065	0.07	< 10	< 10	20	< 5	64
DD&S-109	205 238	2	0.15	40	1160	4	< 5	2	604	0.13	< 10	< 10	37	< 5	73
DD&S-110	205 238	2	0.08	30	1120	2	< 5	1	544	0.09	< 10	< 10	20	< 5	39
DD&S-111	205 238	3	0.04	46	1200	6	< 5	2	394	0.12	< 10	< 10	26	5	33
DD&S-112	205 238	4	0.19	28	1090	4	< 5	2	2030	0.12	< 10	< 10	23	< 5	29
DD&S-113	205 238	3	0.15	41	1040	16	5	4	945	0.18	< 10	< 10	42	5	43
DD&S-114	205 238	3	0.30	34	670	22	< 5	4	1385	0.17	< 10	< 10	25	< 5	67
DD&S-115	205 238	1	0.10	21	830	2	< 5	1	1470	0.09	< 10	< 10	13	< 5	16
DD&S-116	205 238	< 1	0.05	14	800	< 2	10	1	1500	0.04	< 10	< 10	3	< 5	13
DD&S-117	205 238	1	0.02	12	740	< 2	5	< 1	2850	0.01	10	< 10	3	< 5	15
DD&S-118	205 238	< 1	0.01	16	760	4	15	1	2970	0.05	10	< 10	20	< 5	13
DD&S-119	205 238	< 1	0.01	12	620	< 2	10	1	3240	0.05	< 10	< 10	22	5	49
DD&S-120	205 238	2	0.13	24	1080	< 2	5	2	499	0.20	< 10	< 10	41	< 5	24

CERTIFICATION :

B. Coughlin



Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers

111 BROOKSBANK AVE., NORTH VANCOUVER,
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PHONE (604) 984-0221

To: CHEVRON CANADA RESOURCES LTD.

LABORATORIAL STAFF

JO - 1055 W. HASTINGS ST.

VANCOUVER, B.C.

V6E 2E9

Project: M579

Comments: CC: S. MCALLISTER

Page No. 3-4

Total Pages: 3

Date: OCT-88

Invoice #: I-8824500

P.O. #: 30604

CERTIFICATE OF ANALYSIS A8824500

SAMPLE DESCRIPTION	PREP CODE		Au ppb	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
			FA-TAA	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm
EDS-082	205	238	10	2.72	0.4	125	50	0.5	4	6.02	< 0.5	5	74	27	0.25	20	2	0.04	< 10	0.10	97
EDS-083	205	238	10	2.59	0.2	115	50	0.5	2	4.64	< 0.5	4	73	22	0.23	10	1	0.04	< 10	0.15	89
EDS-084	205	238	35	2.37	0.4	145	340	0.5	< 2	2.28	< 0.5	8	107	65	0.61	10	2	0.10	20	0.25	62
EDS-085	205	238	20	2.00	0.4	85	50	0.5	4	5.87	< 0.5	4	79	29	0.26	20	< 1	0.04	< 10	0.44	112
EDS-086	205	238	20	2.57	0.6	110	70	0.5	< 2	4.99	0.5	8	105	67	0.58	20	< 1	0.07	< 10	0.15	80
EDS-087	205	238	25	1.63	0.4	75	80	< 0.5	2	2.50	< 0.5	5	73	48	0.52	10	< 1	0.05	20	0.10	51
EDS-088	205	238	40	1.98	1.2	140	60	< 0.5	2	6.19	5.5	8	67	85	0.46	20	< 1	0.05	< 10	0.42	99
EDS-089	205	238	< 5	3.56	0.2	< 5	30	0.5	< 2	3.45	< 0.5	23	100	30	3.79	10	< 1	0.02	20	2.07	455
EDS-090	205	238	15	1.87	1.4	95	50	< 0.5	6	5.98	< 0.5	6	90	63	0.39	20	< 1	0.03	< 10	0.18	89
EDS-091	205	238	15	2.32	0.8	155	70	< 0.5	< 2	3.22	0.5	10	50	47	0.50	10	< 1	0.04	10	0.22	83
EDS-092	205	238	< 5	2.42	0.8	115	20	< 0.5	2	2.80	< 0.5	8	110	59	0.64	10	< 1	0.06	20	0.11	98
EDS-093	205	238	15	2.28	0.4	135	30	< 0.5	2	5.37	0.5	16	69	81	0.77	20	< 1	0.07	< 10	0.12	189
EDS-094	205	238	10	2.13	0.4	140	50	< 0.5	< 2	2.47	< 0.5	8	110	83	0.71	10	< 1	0.07	20	0.07	39
EDS-095	205	238	20	2.44	0.6	140	30	< 0.5	4	3.93	< 0.5	9	95	47	0.36	10	< 1	0.04	10	0.12	84
EDS-096	205	238	10	1.75	0.6	20	60	< 0.5	< 2	4.04	< 0.5	8	81	63	1.14	10	< 1	0.05	10	0.10	104
EDS-097	205	238	25	1.97	0.8	45	50	< 0.5	2	5.12	< 0.5	9	92	95	1.40	10	< 1	0.04	< 10	0.09	124
EDS-098	205	238	35	1.93	0.8	80	40	0.5	4	6.61	0.5	6	117	78	0.80	20	< 1	0.04	< 10	0.09	188
EDS-099	205	238	15	2.23	0.6	70	30	0.5	4	6.65	0.5	6	87	44	0.61	20	< 1	0.05	< 10	0.06	168
EDS-100	205	238	35	1.99	0.4	50	30	< 0.5	4	4.85	0.5	5	131	55	0.66	10	< 1	0.05	< 10	0.08	143
EDS-101	205	238	< 5	1.67	0.2	5	70	< 0.5	< 2	1.07	< 0.5	16	60	13	4.20	10	< 1	0.31	20	0.96	265
EDS-102	205	238	10	1.30	1.0	65	60	< 0.5	2	4.29	0.5	7	64	55	0.47	10	< 1	0.04	< 10	0.08	127
EDS-104	205	238	5	0.54	0.2	10	60	< 0.5	2	>15.00	0.5	3	20	41	0.40	10	< 1	0.02	< 10	0.08	287
EDS-105	205	238	10	0.86	0.2	< 5	70	< 0.5	2	>15.00	0.5	5	31	50	0.80	10	< 1	0.01	< 10	0.17	220
EDS-106	205	238	< 5	1.45	0.2	10	50	< 0.5	2	>15.00	3.0	4	34	133	1.16	10	< 1	0.03	< 10	0.08	211
EDS-107	205	238	15	1.02	0.6	5	80	< 0.5	2	11.15	0.5	5	61	200	1.53	10	< 1	0.03	< 10	0.14	145
EDS-108	205	238	10	0.93	0.2	5	80	< 0.5	2	>15.00	0.5	2	29	52	0.73	10	< 1	0.02	< 10	0.14	244
EDS-109	205	238	5	1.59	0.2	10	160	< 0.5	2	6.46	0.5	8	114	87	1.77	10	1	0.09	< 10	0.27	146
EDS-110	205	238	15	0.90	0.4	10	240	< 0.5	2	11.05	0.5	2	53	75	0.71	10	1	0.02	< 10	0.06	220
EDS-111	205	238	15	1.34	0.2	30	450	< 0.5	2	12.45	< 0.5	6	75	262	1.22	10	< 1	0.01	< 10	0.06	283
EDS-112	205	238	10	2.35	0.6	10	80	< 0.5	2	>15.00	0.5	6	38	126	1.25	10	< 1	0.03	< 10	0.05	269
EDS-113	205	238	40	2.90	0.8	120	120	0.5	2	10.80	0.5	9	97	152	1.50	10	< 1	0.09	< 10	0.13	207
EDS-114	205	238	15	3.81	0.2	< 5	230	< 0.5	2	7.17	1.0	6	65	147	1.52	10	< 1	0.12	< 10	0.12	121
EDS-115	205	238	50	0.78	0.2	140	100	< 0.5	2	>15.00	< 0.5	5	19	89	0.70	10	< 1	0.02	< 10	0.15	294
EDS-116	205	238	20	0.74	0.2	5	120	< 0.5	2	>15.00	< 0.5	4	10	183	1.01	10	< 1	< 0.01	< 10	0.06	223
EDS-117	205	238	40	0.31	0.2	35	180	< 0.5	2	>15.00	0.5	3	4	42	0.33	10	< 1	< 0.01	< 10	0.05	114
EDS-118	205	238	25	0.84	0.2	25	70	< 0.5	2	>15.00	< 0.5	3	19	101	0.54	10	< 1	< 0.01	< 10	0.07	233
EDS-119	205	238	10	0.96	0.2	45	100	< 0.5	2	>15.00	0.5	2	23	59	0.60	10	1	0.01	< 10	0.11	246
EDS-120	205	238	25	2.44	0.2	65	70	< 0.5	4	5.50	< 0.5	5	72	138	1.11	10	< 1	0.04	< 10	0.08	88

CERTIFICATION:

B. Coughlin

APPENDIX IV
ANALYTICAL TECHNIQUES



Chemex Labs Ltd.

Analytical Chemists

Geochemists

Registered Assayers

212 Brooksbank Ave.
North Vancouver, B.C.
Canada V7J 2C1
Phone: (604) 984-0221
Telex: 043-52597

32 ELEMENT ICP PROCEDURE

The 32-element geochemistry package is a ICP analysis of a Nitric-Aqua Regia digestion. The package is especially suited for trace metals in soil and rock samples. The digestion liberates these metals in soils and also dissolves a major portion of trace metals from rock-forming minerals. Major element constituents of rock-forming and resistate minerals are only partly leached. Elements for which this digestion is incomplete are Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Th, Ti, V and W.

Half a gram of sample is digested in nitric acid, followed by an Aqua-Regia digestion, then taken up to a volume of 25 mls. The resulting solution is analysed via inductively coupled plasma atomic emission spectroscopy.



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Telex: 043-52597

Gold F.A.-A.A. Combo Method ppb:

For low grade samples and geochemical materials, 10 gram samples are fused in litharge, carbonate and siliceous flux with the addition of 10 mg of Au-free Ag metal and cupelled. The silver bead is parted with dilute HNO₃ and then treated with aqua regia. The salts are dissolved in dilute HCl and analyzed for Au on an atomic absorption spectrophotometer.

Detection limit: 5 ppb

APPENDIX V
PETROGRAPHIC DESCRIPTIONS

SIMILIKAMEEN PROJECT, SEADRIFT OPTION

S87DH002

One sample from drill hole S87DH002, located on the Seadrift option of the Similkameen property, was investigated in thin section. It is a polished thin section labelled "Chevron" from a drill hole depth of 60.36 m, referred to as sample S87DH002-60.36.

The sample is mineralized with up to 20% skeletal and network pyrrhotite, and minor chalcopyrite. The rock contains relict quartz (chert?) pebbles (10-15%) in a matrix that is altered to a calc-hornfels assemblage of prehnite (35%) and diopside (30%), with minor quartz and calcite, in between the opaque sulphides. Calcite is associated with secondary quartz in blebs. The protolith may have been a quartz pebble conglomerate or a volcanoclastic rock.

Skarn mineralization occurred without deformation, with metasomatic Ca, Mg, and Al, as well as a fluid phase including H₂O, CO₂, and S. Although prehnite in regional metamorphic rocks indicates temperatures lower than about 300 degrees C, in a contact metasomatic environment it may be stable up to the higher temperatures suggested by diopside (hornblende-hornfels to pyroxene-hornfels facies).

PETROGRAPHIC REPORT

by J.S. Getsinger, PhD

For: Chevron Minerals Ltd.
Project: Similkameen - M579
Sample: S87DH002-60.36

Date: 88-11
Collector: S. McAllister
Date Collected: 1987

LOCATION: Similkameen property, drill hole S87DH002, 60.36 m depth

ROCK TYPE: Mineralized, calc-hornfelsed pebble conglomerate or tuff(?)

HAND SPECIMEN: Thin section offcut chip (0.7 x 2.3 x 3.8 cm). Pyrrhotite occurs in network of fine stringers and blebs, about 15-20% (weakly magnetic). Rock is light to dark greenish-grey with an apparently coarse clastic texture. Dark grey, fine-grained clasts(?) are rounded to lensoidal, up to 7 mm long (15%?). Random elongate white grains in lighter greenish-grey matrix may be altered feldspar(?).

THIN SECTION (Polished):

% (Approx.) MINERALS

-
- 25-30 Clinopyroxene (Diopside?) - Med.-high relief; biref. = 0.022; Z' to $c = 46$ degrees; occurs in small, equant grains, as pervasive alteration, and as larger prisms, colourless.
- 30-35 Prehnite(?) - Lower relief than cpx, higher relief than quartz; high (+)2V = 50-70, low to med. biref. = 0.020; parallel to 5 degree extinction; colourless to dirty brownish; rectangular prismatic shape; length fast; large grain size, radiating to random, poikilitic, and associated with opaques; may have replaced amphibole(?).
- 10-15 Quartz - Occurring in large areas that correspond to clasts seen in hand specimen (quartz or chert pebbles?). Uniaxial(+), low biref., interlocking grains of various sizes with sutured boundaries. Possibly also as infilling between opaques, but not clearly part of the equilibrium assemblage of alteration.
- 15-20 Opaques - Mainly pyrrhotite, with minor brassy-yellow chalcopyrite(?). Occurs in skeletal grains and networks, stringers, and disseminated.
- 3-5 Calcite - Associated with quartz near opaques.
- Trace Limonite - High relief, orange absorption; altered areas around opaques

ROCK TEXTURES/STRUCTURES: Relict quartz or chert pebbles are only original texture. Skeletal to network opaques are associated with pervasive prehnite(?) alteration, and finer-grained clinopyroxene replaces much of rock.

PROTOLITH: Quartz or chert pebble conglomerate or tuff(?)

ALTERATION/MINERALIZATION: Mineralization is mainly pyrrhotite in skeletal to network habit. Alteration is a calc-hornfels consisting dominantly of prehnite and diopside, with minor quartz and carbonate.

CONDITIONS OF FORMATION: Sedimentary or volcanoclastic rock has been altered with calc-hornfels (skarn) minerals prehnite and diopside, and mineralized with pyrrhotite. Regional metamorphic prehnite usually indicates temperatures less than 300 degrees C, but contact metasomatic prehnite may be stable up to higher temperatures, because of unique calc-silicate rock composition.

APPENDIX VI
GEOHEADER

SIMILKAMEEN PROJECT 1988 GEOHEADER - M579

This geoheader is designed to simplify the use of the Lynx Geosystems Inc. geoform by outlining all the required entries for the given data set and all the possible abbreviations and scales used. This geoheader has been customized for the 1988 Similkameen project.

The Similkameen project, located approximately 30 km west of Keremeos, B.C. consists of the Montello and Seadrift Options. The exploration objective is to determine the potential for gold bearing skarns within the Triassic Hedley sequence clastic sediments and carbonates.

The tier (Upper - U or Lower - L) and column number are found on the left side of the page, followed by an explanation or description of the entry required, together with the possible entries. Those entries requiring no tier number are preceded by the column number only.

IDENTITY DATA:

9-10 Type of Data

DH Diamond drill hole
ST Surface Trace
TR Trench

11-18 Drill Hole/Traverse Name and Number, i.e.

S87DH001 S - Similkameen
S87TR003 87 - year
S87ST002 001 - number

25-28 Size of Drill Core - if more than one size used, record them all,
left justified

NQ

29-34 Date the hole/traverse was collared - year month day
41-46 Initials of person(s) who logged the hole

DDD Dasha Duba
MPD Maggie Dittrick
SGM Sandy McAllister

47-52 Date the hole/traverse was completed - year month day
53-70 Claim name

77-78 Units

MT metres

SURVEY DATA:

1	S	Survey Information
2-4		000 - collar
5-10		Meterage at starting point (0.00)
11-16		Meterage of first survey point (91.44)
21-26		Azimuth in degrees (269.21)
27-32		Dip of the hole/traverse at the collar, in degrees (-45.00)
51-60		Northing at the collar - Grid Co-ordinate
61-70		Easting at the collar - Grid Co-ordinate
71-80		Elevation at the collar, in metres

SURVEY INFORMATION: For each dip test the following information must be completed:

1	S	
2-4		Survey number: first test is 001, second test is 002, etc.
5-10		Meterage where dip test was taken (0000.00)
11-16		Meterage where next furthest dip test was taken (0000.00). If there are no further dip tests, record the total meterage of hole/traverse
21-26		Azimuth of hole/traverse at the meterage where azimuth test was taken, in degrees (271.50). If no azimuth test was taken, record collar azimuth.
27-32		Dip of hole/traverse at the meterage where dip test was taken, in degrees (-45.00)

BLOCK TO BLOCK INFORMATION: Convert all feet to metres on blocks in core boxes.

2-3 & 43-44		Core box number, right justified
5-10 & 48-52		Metrage of blocks (0000.00)
13-16 & 55-58		Actual length of core measured in metres (00.00)
		Recovery: the percent recovery between blocks is calculated automatically using the actual length of core measured between block (from 13-16 and 55-58).
19-22 & 67-70		RQD length: measured sum of core lengths greater than 2.5 times the core diameter
	RQD:	Rock Quality Designator is calculated as a percentage between blocks automatically using the RQD length (from 19-22 and 67-70) which is the sum of the lengths of pieces of core recovered which are at least 2.5 times the core diameter (i.e. HQ - 15 cm, NQ - 10 cm, BQ - 7 cm)

ASSAY INFORMATION:

1	A	
2-4		FTN
5-10		From: start of sample in metres (0000.00)
11-16		To: end of sample in metres (0000.00)
28-34		Sample number, right justified

GEOLOGICAL INFORMATION:

- U1 Type of Interval
- P Primary geological interval, 'PG1'
 - D Ditto: Subinterval within the 'PG1' that has most of the same characteristics as the 'PG1'
 - N Nest: Subinterval within the 'PG1' that is substantially different from the 'PG1', i.e. dyke, or different rock type.
- U1 Type of Entry
- A Assay information
 - F Flag entry
 - L Lower tier entry
 - S Survey information
 - U Upper tier entry
 - R Remarks (columns 17-80)
- U1-2 RP PGI remarks
- RN Nested interval remarks
 - RD Ditto interval remarks
- U2-4 Flags
- FTN Assay file (From, To, Number)
 - REC Block recovery
 - SLG Sludge sample
 - SUM Summary remarks
 - SUY Survey remarks
- U5-10 From: in metres (0000.00)
- U11-16 To: in meters (0000.00)
- U21-22 TMOD: Type Modifier - Secondary (alteration) modifier of rock type.
 If rock type is BX_ - then type modifier refers to dominant matrix composition.
- CA calcareous
 - SK skarned
- U23 % Mix: % Mixture - This describes the percentage of the rock type named in the subinterval that is present in the subinterval, i.e. y% mix indicates that (100-y) % of the 'PGI' rock type occurs in the subinterval. All Nested and Ditto intervals must have a % mixture, but 'PGI' interval do not require one. Use the G - scale.

U24-27 Rock Types

ARGL	argillite
CONG	conglomerate
CGPB	pebble conglomerate
DIOR	diorite
FAUL	fault zone
GRDR	granodiorite
HFBT	biotite hornfels
HFCA	calc hornfels
HFLS	hornfels
LMST	limestone
MAGA	granetiferous marble
MARB	marble
MFIC	mafic dyke or sill
OVER	overburden
PPFX	feldspar porphyry dyke or sill
PPHB	hornblende porphyry dyke or sill
PPHF	hornblende feldspar porphyry dyke or sill
SILT	siltstone
SKAR	skarn
SKIG	idocrase garnet skarn
SKDI	diopside skarn
SKGD	garnet diopside skarn
TFLP	lapilli tuff
TFXT	crystal tuff
TRIC	triconed interval
TUFF	tuff
ULMF	ultramafic

L28-29 Colour - Two C-scale symbols can be used together , i.e. RU red-brown.
Dominant colour is second entry when using two colours

L28	Lightness	<u>L-scale</u>	L28/L29	Colour range	<u>C-scale</u>
W	white		A	grey	
9	palest		B	blue	
8	pale		G	green	
7	light		K	pink	
6	lighter (m. light)		L	lime (YG)	
5	medium (50% light)		M	mauve (PR)	
4	darker (m. dark)		N	black	
3	dark		O	orange	
2	very dark		P	purple	
1	darkest		Q	aqua (BP)	
N	black		R	red	
			T	tan (khaki)	
			U	brown (umber)	
			V	violet (BP)	
			W	white	
			Y	yellow	

U32-33 QM1: Qualifying materials 1

BL bleached

U34 QM1: Modifier of bleached

X completely
9 extremely strong
8 very strong
7 strong
6 fairly strong
5 moderate
4 fairly weak
3 weak
2 very weak
1 extremely weak
0 patchy

U35-36 TX1: TX1-4 can be used to record up to four textures

U37-38 TX2:

L35-36 TX3:

L37-38 TX4:

Textures

A* amygdaloidal
AP aplitic
BD bedded
BK blocky
BN banded
BR brecciated
CM chilled margin
CT clastic
EQ equigranular
FR fragmental
FT flattened
GT granitic
KR crackled
LM laminated
ML mottled
PA patchy
PL plutonic
PP porphyritic
SH sheared
SP sparry
UF uniform textured

U39-42 Grain Size

U39 FF: Mean size of fine fraction. Use the S-scale.
U40 CF: Mean size of coarse fraction. Use the S-scale.
U41 %C: % Coarse fraction. Use the G-scale.
U42 MP: Maximum particle size. Use the S-scale.

S-scale for grain or particle size

<u>S-Scale</u>	<u>Assigned Value</u>	<u>Range</u>
0	0.003 mm	- 0.004 mm
1	0.008 mm	0.004 - 0.016 mm
2	0.03 mm	0.016 - 0.06 mm
3	0.12 mm	0.06 - 0.25 mm
4	0.5 mm	0.25 - 1 mm
5	2 mm	1 - 4 mm
6	8 mm	4 mm - 1.6 cm
7	3.2 cm	1.6 - 6.4 cm
8	13 cm	6.4 cm - 0.25 m
9	0.5 m	0.25 - 1 m
x	2 m	1 m -

L39-42 For Coarse Clastic Sediments

L39 SR: Sorting

Degree of Sorting

- 1 extremely poor
- 2 very poor
- 3 poor
- 4 moderately poor
- 5 moderate
- 6 moderately good
- 7 good
- 8 very good
- 9 extremely good

L40 RN: Roundness

Degree of Roundness

- 1 extremely angular
- 2 very angular
- 3 angular
- 4 moderately angular
- 5 intermediate
- 6 moderately rounded
- 7 rounded
- 8 very rounded
- 9 extremely rounded

IGNEOUS, METAMORPHIC & CHEMICAL	PARTICLE DIAMETER RANGE	THE S-SCALE FOR GRAIN OR PARTICLE SIZE				VOLCANI- CLASTICS
		ASSGN VALUE	SYM<<FOR GENERAL WORKS>> BOL	SYM<<FOR GENERAL WORKS>> BOL	ASSGN VALUE	
Glassy		.003 mm	0	CLAY SIZE	A .003	
Extremely fine grained (aphanitic)	$2^{-8} = .004$.008	1	V.FINE SILT	B .006	fine
	2^{-7}			FINE SILT	C .011	
	$2^{-6} = .016$.03	2	MEDIUM SILT	D .022	ash
	2^{-5}			COARSE SILT	E .044	
Fine grained	$2^{-4} = .06$.12	3	V.FINE SAND	F .088	coarse ash
	2^{-3}			FINE SAND	G .177	
	$2^{-2} = .25$.5	4	MEDIUM SAND	H .354	
	2^{-1}			COARSE SAND	I .707	
Medium grained (granular)	$2^0 = 1$	2	5	GRIT	J 1.41	
	2^1			GRANULE	K 2.83	
Coarse grained	$2^2 = 4$	8	6	V.SMALL PEBBLE	L 5.66	small lapilli
	2^3			SMALL PEBBLE	M 11.3	
Very coarse grained	$2^4 = 16$	3.2 cm	7	MEDIUM PEBBLE	N 22.6	large lapilli
	2^5			LARGE PEBBLE	Ø 45.3	
Pegmatitic	$2^6 = 64$	13	8	SMALL COBBLE	P 90.5	cobble-size bombs & blocks
	2^7			LARGE COBBLE	Q 181	
Megapegma- titic	$2^8 = 250$	$\frac{1}{2}$ m	9	SMALL BOULDER	R 362	boulder-size bombs & blocks
	2^9			MEDIUM BOULDER	S 724	
Extra-coarse megapegma- titic	$2^{10} = 1$ m	2 m	X	LARGE BOULDER	T 1450	extra large bombs & blocks
	2^{11}			V.LARGE BOULDER	U 2900	

NOTE: It is quite permissible to intermix the alphabetic symbols with the numeric symbols of this S-Scale, whenever detail work demands it - no conflict ensues by doing so.

L41 SH: Sphericity
Degree of Sphericity

- 1 extremely poor
- 2 very poor
- 3 poor
- 4 fair to poor
- 5 fair
- 6 fair to good
- 7 good
- 8 very good
- 9 excellent
- B bladed
- C compact, cubic
- E elongated
- F flattened
- L lengthened
- M mixed
- P platy

L42 O/C: Framework
O open: matrix supported
C closed: framework supported

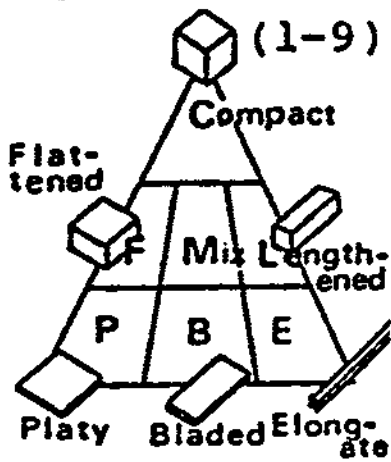
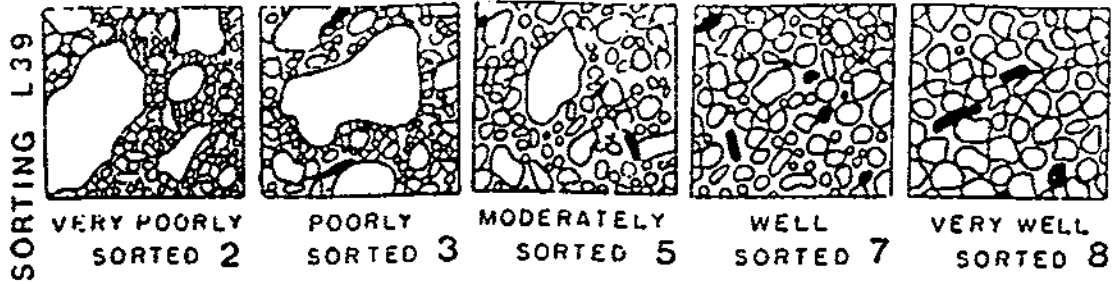
L46 Σ I: total fracture intensity. Use the F-scale

F-scale Fracture intensity

- X shattered
- 9 extremely well fractured
- 8 very well fractured
- 7 well fractured
- 6 fairly well fractured
- 5 moderately fractured
- 4 fairly lightly fractured
- 3 lightly fractured
- 2 very lightly fractured
- 1 slightly fractured
- 0 unfractured

U48 TI: Thickness - describes thickness of feature in structural
L48 T2: identity 1 and 2, respectively (U49-50, L49-50) using T-scale.

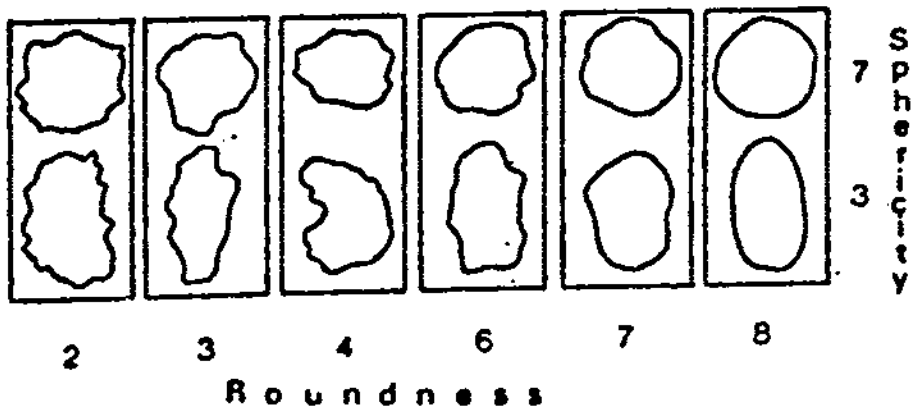
<u>T-Scale</u>	<u>Assigned Value</u>	<u>Range</u>	
0	1 mm	- 2 mm	thinly laminar
1	3.5 mm	2 - 5 mm	laminated
2	1 cm	.5 - 2 cm	very thin
3	3.5 cm	2 - 5 cm	thin bedded
4	12 cm	5 - 20 cm	medium-thin bedded
5	35 cm	20 - 50 cm	medium bedded
6	1.2 m	.5 - 2 m	medium thick bedded
7	3.5 m	2 - 5 m	thick bedded
8	12 m	5 - 20 m	very thick bedded
9	30 m	20 m -	extremely thick bedded



SPHERICITY L41

6					
7					
5					
3					
	1	3	5	7	9

L40 ROUNDNESS



U49-50 STRUC 1 ID: Structural identity 1
L49-50 STRUC 2 ID: Structural identity 2

BD bedding
BN banding
C/ contact
F/ fracture set
LC lower contact
S/ shear zone
UC upper contact

U55-56 DIP: angle to long axis of core of feature identified in structural ID 1
L55-56 DIP: and 2 respectively, in degrees (core not oriented and dip direction unknown).

U57-76 & Alteration and ore minerals. The first column of each pair is used to
L57-76 describe how the mineral occurs using the H-scale. The second column is to indicate the percentage of the mineral present, using the G-scale. (breccias - describes matrix composition only. First column of each pair describes how the mineral occurs using the H-scale i.e. #-breccia matrix infillings. The second column is percentage of total matrix composition - using G-scale).

U57-58 DI: diopside
L57-58 GA: garnet
U59-60 VE: vesuvianite/idocrase
L59-60 WO: wollastonite
U61-62 CY: clay
L61-62 CL: chlorite
U63-64 C/: calcic alteration
L63-64 EP: epidote
U65-66 BI: biotite alteration (-hornfels)
L65-66 CA: calcite
U67-68 & XX: for a mineral not in the other alteration columns, specify
U75-76 YY: by using the two letter code for that mineral (if possible record metal oxides and sulphides in the 'YY' column).

AU augite
ES enstatite
GY gypsum
HB hornblende
MF mafics, general
MG magnetite
SX sulphides, general

L67-68 & In the first column the H-scale is used to describe how the mineral in
L75-76 U67-68 or U75-76 occurs. The second column is used for percentage, use G-scale.

U69-70 PY: pyrite
L69-70 PR: pyrrhotite
U71-72 CP: chalcopyrite
L71-72 AS: arsenopyrite

U73-74 LI: limonite
L73-74 FS: fine sulphides

H-scale - most dominant single mode

A amygdules
B blebs
C coatings
* clasts
D disseminations and scattered crystals
E envelopes
F framework crystals
G gouge
H replaced, phenocrysts
I eyes, augen
J interstitial
K stockwork
L laminations - bedded
M massive
microveins
N nodules
O spots
P pervasive
Q patches (as in quilts)
R rosettes and crystal clusters
S selvages
\$ sheeting
T staining (as in tarnish)
U euhedral crystals
V veins
< microveins
W boxwork
Y dalmationite
0 fresh primary rock

U77 SI: Structural summary

0 Unfractured
1 Fracturing
2 Shearing and/or faulting
3 Faulting

L77 FI: Alteration facies

0 Fresh, unaltered rock
1 Biotite hornfels or marble present
2 Calc hornfels
3 Skarn

U78 Facies and structural intensity, using N-scale.

L78 Facies and structural intensity modifier, using N-scale. No modifier required if U77 or L77 is 0.

X completely
 9 extremely strong
 8 very strong
 7 strong
 6 fairly strong
 5 moderate
 4 fairly weak
 3 weak
 2 very weak
 1 extremely weak
 0 nil

SCALES:

C-Scale: Colour Range - see page 4

F-Scale: Fracture Intensity - see page 7

G-Scale: Percentage estimate of any geological material

<u>G-Scale</u>	<u>Assigned %</u>	<u>Range</u>
0		Nil, absent
/		Present, no estimate given
?		Possibly present
.	.01	Trace, less than or equal to 0.02
-	.03	.02 - .06
(.1	.05 - .2
*	.3	.2 - .5
)	1	.5 - 2
+	3	2 - 3
=	5	3 - 7
1	10	7 - 15
2	20	15 - 25
3	30	25 - 35
4	40	35 - 45
5	50	45 - 55
6	60	55 - 65
7	70	65 - 75
8	80	75 - 85
9	90	86 - 99
X	100	Essentially 100%

H-Scale: How - most dominant single mode - see page 9

L-Scale: Lightness - see page 4

N-Scale: Facies and Structural Intensity - see page 10

S-Scale: Grain or particle size - see page 6

T-Scale: Thickness - see page 7

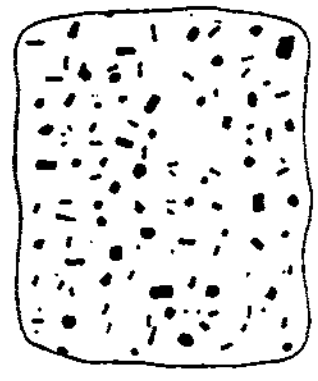
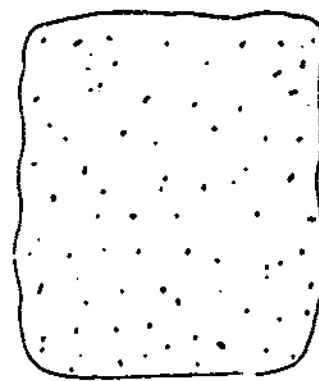
NOTE: On Ditto intervals (D), use " to cancel out any entry from the PGI that is not present in the Ditto. If the "amount" or "how" changes, the new recorded conditions will replace those that would have been carried down from the PGI.



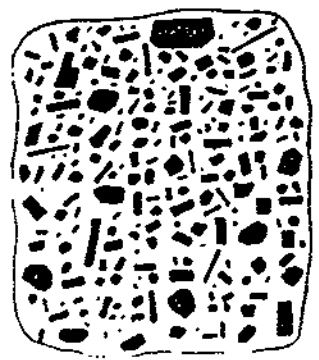
15% 25% 40% 1% 3% 7%



20% 30% 50% 2% 5% 10%



1% 10%



40% 70%

APPENDIX VII
DIAMOND DRILL LOGS

Chevron Minerals Ltd.
M579

DRILLHOLE/TRVERSE : S870H002

PROJECT IDEN : M579 START DATE : 87/10/12 COMPLETION DATE : 87/10/14 GEOLOGGED BY : SGM + MPE
 COLLAR NORTHING: -3513.00 COLLAR EASTING : 850.00 COLLAR ELEVATION: 1557.00 GRID AZIMUTH : 0.00
 TOTAL LENGTH : 117.96 CORE/HOLE SIZE : NQ

SURVEY FLAG		SURVEY POINT LOCATION	FORESIGHT	AZIMUTH (DEGREES)	VERTICAL ANGLE (DEGREES)	NORTHING	EASTING
000		0.00		66.00	-65.00		
001		117.96		66.00	-65.00		

K L (UNITS = MT)	F - INTERVAL - FROM - TO	CORE RECOVERY (%)	X TYPE	TYPI- QAL TEX- GRAIN FRAC- RECOV- H ROCK FYING MIN TURES CHARACS TURE	T ID STK DIP	ALTERATION MINS				ORE-TYPE MINS				SUMMAR	
						GA	WO	CL	EP	CA	HA	PR	AS		FS
P	0.00	1.83		TRIC											
R P	0.00	1.83		TRIC ONED INTERVAL.											
P	1.83	78.16		CA SILT	BN 2 3 5 3	P	BN	55							0
L				5A				3					B)		0
R P	1.83	78.16		INTERBEDDED DARK GREY BANDED HORNFELS (30%) AND MEDIUM GREY MASSIVE CALCAREOUS SILTSTONE. 1% BLEBS OF PYRRHOTITE THROUGHOUT BOTH UNITS. VERY LOCAL WEAK BLEACHING AND CALCIC ALTERATION OF THE HORNFELS. UP TO 5% CALCIC ALTERATION AS PATCHES. ZONE WITH 3% BLEBS OF PYRRHOTITE AT 24.54 TO 27.55 M.											
R P	1.83	78.16													
R P	1.83	78.16													
R P	1.83	78.16													
R P	1.83	78.16													
N F	1.83	78.16		3 HFLS	MX BD 1 2 5 2	N	5 BD	55		Q=					0
L				3A				3					B)		1 9
R F	16.53	16.90		BAND OF COARSE GRAINED IDOCRASE GARNET SKARN, 40% BROWN IDOCRASE CRYSTALS AND 20% ORANGE GARNET CRYSTALS IN A WHITE GROUNDMASS OF CALCITE AND CALC-HORNFELS. 5% DIOPSIDE OCCURS AS PATCHES THROUGH THIS BAND. PYRRHOTITE PRESENT AS BLEBS.											
R F	16.53	16.90													
R F	16.53	16.90													
R F	16.53	16.90													
N S	16.53	16.90		X SKIG	MX 2 6 6 7	N	UC	55	Q= D4						0
L				WU				3	LC	55	D2		B)		3 5
R F	17.15	22.65		INTERVAL OF CALCAREOUS MASSIVE SILTSTONE.											
N S	17.15	22.65		CA X SILT	BN 2 3 5 3	D	BN	55							0
L				5A				3					B)		0
R F	22.65	24.54		DARK GREY HORNBLLENDE FELDSPAR PORPHYRY SILL. MODERATELY BLEACHED, ABUNDANT SULPHIDES, AS BLEBS AND VEINS.											
R F	22.65	24.54													
N S	22.65	24.54		X PPHF	BL5 3 6 2 6	N	UC	40		Q2			B)		0
L				3A				3	LC	40			B+		2 5
R F	27.55	28.07		DARK BROWN GREY HORNBLLENDE FELDSPAR PORPHYRY DYKE, UPPER CONTACT IRREGULAR, BUT APPROXIMATES 90 DEG., 1% PYRRHOTITE BLEBS. 4 AND 10 CM BLEACHED LIGHT GREY SELVAGE AT UPPER AND LOWER CONTACTS RESPECTIVELY.											
R F	27.55	28.07													
R F	27.55	28.07													
R F	27.55	28.07													
N S	27.55	28.07		X PPHF	3 5 2 5	N	LC	20		S=					0
L				UA				3					B)		2 1
R F	28.07	31.55		INTERVAL OF MASSIVE CALCAREOUS SILTSTONE.											
N S	28.07	31.55		CA X SILT	BN 2 3 5 3	D	BN	55							0

Chevron Minerals Ltd.
M579

DRILLHOLE/TRVERSE : S87DM002 (CONTINUED)

S U M M A R Y R E M A R K S

SILL OCCURS AT 67.83-69.67 M.

1 DATE: 13/NOV/88

ASSAY FILE FTN - M579 - S87DH002
SAMPLE INTERVALS

LINE	FROM	TO	INTERVAL	SAMPLE
1	0.00	4.62	4.62	
2	4.62	6.62	2.00	116051
3	6.62	8.23	1.61	359601
4	8.23	9.73	1.50	359602
5	9.73	11.28	1.55	359603
6	11.28	12.78	1.50	359604
7	12.78	14.53	1.75	359605
8	14.53	16.53	2.00	116052
9	16.53	16.90	0.37	116053
10	16.90	18.90	2.00	359606
11	18.90	20.42	1.52	359607
12	20.42	22.65	2.23	359608
13	22.65	24.54	1.89	116054
14	24.54	26.05	1.51	116055
15	26.05	27.55	1.50	116056
16	27.55	28.07	0.52	116057
17	28.07	29.26	1.19	116058
18	29.26	30.54	1.28	116059
19	30.54	32.61	2.07	359609
20	32.61	34.11	1.50	359610
21	34.11	35.66	1.55	359611
22	35.66	37.09	1.43	116060
23	37.09	38.71	1.62	359612
24	38.71	39.75	1.04	116061
25	39.75	41.76	2.01	359613
26	41.76	43.14	1.38	359614
27	43.14	44.30	1.16	116062
28	44.30	46.30	2.00	359615
29	46.30	47.85	1.55	359616
30	47.85	49.00	1.15	359617
31	49.00	51.00	2.00	116063
32	51.00	53.00	2.00	359618
33	53.00	55.00	2.00	359619
34	55.00	57.00	2.00	359620
35	57.00	58.20	1.20	359621
36	58.20	59.07	0.87	116064
37	59.07	60.26	1.19	116065
38	60.26	61.36	1.10	116066
39	61.36	61.87	0.51	116067
40	61.87	63.37	1.50	359622
41	63.37	64.70	1.33	359623
42	64.70	65.30	0.60	116068
43	65.30	66.14	0.84	359624
44	66.14	67.83	1.69	116069
45	67.83	69.67	1.84	116070
46	69.67	70.81	1.14	116071
47	70.81	71.68	0.87	359625
48	71.68	73.40	1.72	116072
49	73.40	75.27	1.87	359626
50	75.27	77.13	1.86	116073
51	77.13	78.16	1.03	359627
52	78.16	117.96	39.80	

1 DATE: 13/NOV/88

ASSAY FILE SLG - M579 - S87DH002
SLUDGE SAMPLES

LINE	FROM	TO	INTERVAL	SAMPLE	AUPPB
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NO Records Found for this Report

Chevron Minerals Ltd.
M579

DRILLHOLE/TRVERSE : S88DH005

PROJECT IDEN : M579
COLLAR NORTHING: -3513.00

START DATE : 88/10/ 9
COLLAR EASTING : 850.00
TOTAL LENGTH : 89.61

COMPLETION DATE : 88/10/11
COLLAR ELEVATION: 1557.00
CORE/HOLE SIZE : NQ

GEOLOGGED BY : DDD + SGM
GRID AZIMUTH : 0.00

SURVEY FLAG		SURVEY POINT LOCATION	FORESIGHT	AZIMUTH (DEGREES)	VERTICAL ANGLE (DEGREES)	NORTHING	EASTING
	000	0.00		0.00	-90.00		
	001	87.48		0.00	-90.00		

F - INTERVAL - K L (UNITS = MT) E A Y G FROM - TO	CORE RECOVERY (%)	X TYPE	TYPI- QAL TEX- GRAIN M ROCK FYING MIN TURES TM TM MAT TX TX F C % M	FRAC- TURE S R S O DIP F S M L I R D P C	STRUCTUR-1 ALTERATION MINS T ID STK DIP A A A A A MIN A A A MIN 1 AZM RT DI VE CY C/ BI XX PY CP LI YY	ORE-TYPE MINS H H H H H ANY H H H ANY	SUMMARY
	ROCK FOR EN RT QUAL MEM V Q LC- 3 DESIG AGE		TM QM2 TX TX S R S O 3 4 0 N H /	DIP F S M L I R D P C	T ID STK DIP GA WO CL EP CA HA PR AS FS HA 2 AZM RT H H H H H H H H	A A A A A A A A	
P 0.00 3.62			TRIC				
RP 0.00 3.62			TRICONE INTERVAL: CASING/OVERBURDEN.				
P 3.62 88.54			HFLS BL2 BN 1 2 5 2	P BN 42	Q2		1 5
L			3A	5		<= BI	1 3
RP 3.62 88.54			HORNFELS: DARK GREY HORNFELS WITH WEAK LIGHT GREY PATCHY AND BANDED CALCIC ALTERATION (20%). WEAK SULFIDE MINERALIZATION . 0.1-0.2% PYRRHOTITE BLEBS. HORNFELS ARE INTERBEDDED WITH 30% GREY CALCAREOUS SILTSTONE AND MINOR CALC-SILICATE HORNFELS (<5%).				
RP 3.62 88.54			CALCAREOUS SILTSTONE: PALE GREY, MASSIVE TO THINLY BEDDED, RELATIVELY UNALTERED WITH UP TO 0.1% PYRRHOTITE.				
RF 3.62 88.54			CA 3 SILT	BD MX 2 3 5 3	N BN 35		1 5
L			6A	5		<1 B(0
RS 16.50 21.21			CALC-HORNFELS: MOTTLED PINK, GREY AND MEDIUM BROWN WITH 0.3% OF EACH PYRRHOTITE AND PYRITE. CALC-HORNFELS IS INTERCALCATED WITH WEAKLY ALTERED CALCAREOUS SILTSTONE (50%). NARROW SECTIONS OF COARSE GARNET SKARN FROM 20.82-21.15M, 0.5% PYRRHOTITE BLEBS.				
RS 16.50 21.21			X HFCA	BL5 ML BN 3 4 2 4	N BN 32		1 4
L			5A	4		<+ B*	1 5
RS 44.60 49.77			HORNFELS: DARK GREY, MOTTLED AS A RESULT OF CALCIC ALTERATION (50%). HORNFELS ARE INTERBEDDED WITH CALCAREOUS SILTSTONE (35-40%). 0.3% PYRRHOTITE BLEBS AND FRACTURE FILLINGS. FROM 45.35-45.60M GARNET-DIOPSIDE SKARN, COARSE GRAINED, MOTTLED WITH 0.5% PYRRHOTITE DISSEMINATIONS AND BLEBS.				
RS 44.60 49.77			X HFLS	BL5 ML BN 1 2 5 2	D BN 60	Q2	1 5
L			3A	5		<= B*	2 5
RS 51.07 53.75			HORNFELS: EXTENSIVELY BRECCIATED ZONE WITH CALCITE FILLING FRACTURES AND OPEN SPACES (20%).				
RS 51.07 53.75			X HFLS	BL5 BN 1 2 5 2	D BN 42	Q2	1 8
L			3A	8		<2 BI	1 3
RS 72.63 83.70			HORNBLENDE-FELDSPAR PORHYRY DYKE/SILL: MEDIUM TO DARK GREY-BROWN, PORPHYRITIC, 25-30% HORNBLENDE. PHENOCRYSTS ARE				

Chevron Minerals Ltd.
M579

DRILLHOLE/TRVERSE : S88DH005 (CONTINUED)

F - I N T E R V A L -			CORE RECOVERY (%)	% ROCK TYPE	TYPI- QAL		TEX- TURES		GRAIN FRAC- CHARACS		STRUCTUR-1	ALTERATION MINS					ORE-TYPE MINS														
K L (UNITS = MT)	FROM	TO			M	TM	TM	TX	TX	F		C	%	M	H	H	H	H	H	ANY	H	H	H	ANY							
E A				I	1	2	Q1	1	2	F	F	C	P	#	TK	T	ID	STK	DIP	A	A	A	A	A	MIN	A	A	A	MIN	SUMMARY	
Y G				X	1	2	Q1	1	2	F	F	C	P	#	TK	1	AZM	RT	DI	VE	CY	C/	BI	XX	PY	CP	LI	YY			
R S	72.63	83.70		ALTERED TO BIOTITE.																											
N S	72.63	83.70		X PPHF				PP	3	5	3	5		N	UC																1 4
L				4A										4	LC																1 5
P	88.54	89.61		GRDR				GT EQ	4	5	5	5		P	UC																1 3
L				5A										3																	0
R P	88.54	89.61		GRANODIORITE: GREY, GRANITIC TEXTURE.																											

S U M M A R Y R E M A R K S

DRILL HOLE S88DH005 WAS COLLARED ON THE CANSSELL 3 CLAIM AND WAS DRILLED AT AN AZIMUTH OF 0.00 DEG. AND A DIP OF 90.00 DEG. TO A TOTAL LENGTH OF 89.61M.
 0.00-3.62M WAS TRICONED. AN INTERBEDDED SEQUENCE OF DARK GREY HORNFELS (70%) AND CALCAREOUS SILTSTONE (30%) WAS INTERSECTED AT 3.62-88.54M. IT IS CUT BY ONE HORNBLLENDE-FELDSPAR PORPHYRY DYKE AT 72.63-83.70M. CALCIC ALTERATION OF THIS INTERVAL IS VERY WEAK; UP TO 20% ON AVERAGE AND LOCALLY TO 50% OVER NARROW LENGTHS. SEQUENCE IS CUT BY HORNBLLENDE FELDSPAR PORPHYRY DYKE/SILL AT 72.63-83.70M. GRANODIORITE OF CAHILL CREEK PLUTON WAS ENCOUNTERED AT 88.54-89.61M.

1 DATE: 13/NOV/88

ASSAY FILE FTN - M579 - S88DH005
SAMPLE INTERVALS

LINE	FROM	TO	INTERVAL	SAMPLE
1	0.00	3.26	3.26	
2	3.26	6.22	2.96	359628
3	6.22	9.27	3.05	359629
4	9.27	11.27	2.00	359630
5	11.27	16.50	5.23	
6	16.50	17.50	1.00	359631
7	17.50	19.50	2.00	359632
8	19.50	21.21	1.71	359633
9	21.21	44.60	23.39	
10	44.60	45.60	1.00	359634
11	45.60	47.85	2.25	359635
12	47.85	49.77	1.92	359636
13	49.77	69.00	19.23	
14	69.00	71.00	2.00	359637
15	71.00	72.63	1.63	359638
16	72.63	74.63	2.00	359639
17	74.63	76.63	2.00	359640
18	76.63	78.43	1.80	359641
19	78.43	80.43	2.00	359642
20	80.43	82.43	2.00	359643
21	82.43	83.70	1.27	359644
22	83.70	85.52	1.82	359645
23	85.52	87.48	1.96	359646
24	87.48	89.61	2.13	

1 DATE: 13/NOV/88

ASSAY FILE SLG - M579 - S980H005
SLUDGE SAMPLES

LINE	FROM	TO	INTERVAL	SAMPLE	AUPPB
1	0.00	5.18	5.18		
2	5.18	8.23	3.05	400008	25
3	8.23	11.89	3.66	400009	5
4	11.89	14.33	2.44	400010	5
5	14.33	17.37	3.04	400011	5
6	17.37	20.42	3.05	400012	10
7	20.42	23.46	3.04	400013	5
8	23.46	26.52	3.06	400014	5
9	26.52	29.56	3.04	400015	5
10	29.56	32.61	3.05	400016	5
11	32.61	35.66	3.05	400017	5
12	35.66	38.71	3.05	400018	5
13	38.71	41.76	3.05	400019	5
14	41.76	44.81	3.05	400020	5
15	44.81	47.85	3.04	400021	5
16	47.85	50.90	3.05	400022	5
17	50.90	53.95	3.05	400023	5
18	53.95	57.00	3.05	400024	5
19	57.00	60.04	3.04	400025	5
20	60.04	63.09	3.05	400026	5
21	63.09	66.14	3.05	400027	5
22	66.14	69.19	3.05	400028	5
23	69.19	72.23	3.04	400029	5
24	72.23	75.28	3.05	400030	5
25	75.28	78.33	3.05	400031	5
26	78.33	81.38	3.05	400032	5
27	81.38	84.43	3.05	400033	5
28	84.43	87.48	3.05	400034	5
29	87.48	89.61	2.13		

Chevron Minerals Ltd.
M579

DRILLHOLE/TRVERSE : S88DH006

PROJECT IDEN : M579
COLLAR NORTHING: -3578.00

START DATE : 88/10/11
COLLAR EASTING : 910.00
TOTAL LENGTH : 99.36

COMPLETION DATE : 88/10/12
COLLAR ELEVATION: 1537.00
CORE/HOLE SIZE : NQ

GEOLOGGED BY : DDD + SGM
GRID AZIMUTH : 0.00

SURVEY FLAG		SURVEY POINT LOCATION	FORESIGHT	AZIMUTH (DEGREES)	VERTICAL ANGLE (DEGREES)	NORTHING	EASTING	
000		0.00		80.00	-50.00			
001		99.36		80.00	-50.00			
F - INTERVAL - K L (UNITS = MT) E A Y G FROM - TO	CORE RECOVERY (%)	X TYPE	TYPI- QAL TEX- GRAIN FRAC- M ROCK FYING MIN TURES CHARACS TURE I TM TM MAT TX TX F C % M X 1 2 QM1 1 2 F F C P # TK	STRUCTUR-1 ALTERATION MINS ORE-TYPE MINS H H H H H ANY H H H ANY T ID STK DIP A A A A A MIN A A A MIN 1 AZM RT DI VE CY C/ BI XX PY CP LI YY SUMMARY				
-----	-----	-----	-----	-----	-----	-----	-----	-----
K F E L Y G	ROCK FOR EN RT QUAL MEM V Q LC- 3 DESIG AGE	TM QM2 TX TX S R S O DIP F 3 4 0 N H / SML I COL R D P C	T ID STK DIP GA WO CL EP CA HA PR AS FS HA 2 AZM RT H H H H H H H H STRUCTUR-2 A A A A A A A A					
P R P	0.00 2.31 0.00 2.31	TRIC TRICONED INTERVAL: CASING/OVERBURDEN.		P				
P L R P R P R P R P R P R F R F R F N F L R S R S R S N S L R S R S R S R S R S N S L P L R P R P R P	2.31 42.07 2.31 42.07 2.31 42.07 2.31 42.07 2.31 42.07 2.31 42.07 2.31 42.07 2.31 42.07 2.31 42.07 2.31 42.07 7.70 13.72 7.70 13.72 7.70 13.72 7.70 13.72 39.91 42.07 39.91 42.07 39.91 42.07 39.91 42.07 39.91 42.07 39.91 42.07 42.07 50.54 42.07 50.54 42.07 50.54 42.07 50.54	HFLS BL1 BN 1 2 5 2 3A HORNFELS: DARK GREY, BANDED TO LOCALLY BRECCIATED HORNFELS. WEAK CALCIC ALTERATION (10-15%) SURROUNDING FRACTURES AND ALSO AS BANDS PARALLEL TO BEDDING; GENERALLY 0.3-0.5% PYRRHOTITE BLEBS. HORNFELS IS INTERBEDDED WITH <3% GREY MASSIVE CALCAREOUS GRIT AT 8.32-8.65M, 8.85-9.40M AND 9.17-9.43M. CALCAREOUS SILTSTONE: MEDIUM GREY, MASSIVE TO THINLY BEDDED SILTSTONE, CALCAREOUS, RELATIVELY UNALTERED. 0.1% PYRRHOTITE BLEBS AND DISSEMINATIONS. CA 3 SILT BN 2 3 5 3 5A MODERATELY BRECCIATED DARK GREY HORNFELS WITH 20% PATCHY CALCIC ALTERATION. 1% PYRRHOTITE BLEBS AND FRACTURE FILLINGS ASSOCIATED WITH AREAS OF BLEACHING. X HFLS BL2 BR 1 2 5 2 3A CALC-SILICATE HORNFELS: AT UPPER CONTACT WITH HORNBLLENDE FELDSPAR PORPHYRY DYKE/SILL. PALE GREY AND PINK, BANDED TO MOTTLED, NARROW REDDISH BROWN GARNETIFEROUS INTERVALS. CALC HORNFELS IS INTERCALATED WITH 40% DARK GREY HORNFELS AND LIGHTER GREY CALCAREOUS SILTSTONE. X HFCA BL7 BN ML 1 2 5 2 7A PPHF PP BR 3 5 2 5 4A HORNBLLENDE FELDSPAR PORPHYRY DYKE/SILL: DARK GREY-BROWN, PORPHYRITIC WITH CREAMY SUBHEDRAL PLAGIOCLASE PHENOCRYSTS AND BROWN BIOTIZED HORNBLLENDE. 30% PERVASIVE BIOTITE ALTERATION OF	P BD 70 4 5 Q1 B* N BD 70 6 5 D BD 70 B) N BN 80 3 Q= P3 D(E= 5 B) P3 D(E= 5 B) P3 D(E= 5 B)	1 4 1 3 1 6 1 4 1 3 2 7 1 5 1 4 1 5 1 4				

Chevron Minerals Ltd.
M579

DRILLHOLE/TRVERSE : S88DH006 (CONTINUED)

K L E A Y G	- I N T E R V A L - (UNITS = MT)		CORE RECOV- ERY (%)	X M ROCK I X TYPE	T Y P I - Q A L T M T M		T E X - T U R E S M A T T X T X		G R A I N F R A C - C H A R A C S		S T R U C T U R - 1 D I P		A L T E R A T I O N A A A A		M I N S H H H H		O R E - T Y P E A A A A		M I N S H H H H	S U M M A R Y								
	F R O M	T O			1	2	1	2	F	C	%	M	1	A Z M	R T	O I	V E	C Y			C /	B I	X X	P Y	O P	L I	Y Y	
K F			ROCK	FOR EN RT	T M	Q M 2	T X	T X	S R	S O	D I P	F	7	I D	S T K	D I P	G A	W O	C L	E P	C A	H A	P R	A S	F S	H A		
E L			QUAL	MEM V Q	LC- 3		3	4	O N	H /	S M L	I	2	A Z M	R T				H	H	H	H	H	H	H	H		
Y G			DESIG	AGE	COL				R	D	P	C		S T R U C T U R - 2					A	A	A	A	A	A	A	A		
R P	42.07	50.54					THE MATRIX. FROM 44.76-46.32M EXTENSIVELY BRECCIATED AND RUSTY																					
R P	42.07	50.54					STAINED ZONED. FROM 48.00-50.54M BRECCIATED AND CHLORITIZED																					
R P	42.07	50.54					CONTACT WITH THE UNDERLYING GRANODIORITE. 1% PYRRHOTITE BLEBS																					
R P	42.07	50.54					AND DISSEMINATIONS AND 0.1% PYRITE DISSEMINATIONS.																					
P	50.54	99.36				GRDR	PP	4	5	2	6	P	F/	85												1	3	
L						5A						3															0	
R P	50.54	99.36				GRANODIORITE: MEDIUM GREY, MASSIVE TO WEAKLY PORPHYRITIC. RARE																						
R P	50.54	99.36				DARK GREEN MORE DIFFERENTIATED PATCHES (KENOLITHS?).																						
R F	91.19	91.95				MAFIC DYKE: DARK GREEN, PORPHYRITIC WITH UP TO 25% DARK GREEN																						
R F	91.19	91.95				CHLORITIZED HORNBLENDE PHENOCRYSTS AND LESSER EPIDOTIZED MAFIC																						
R F	91.19	91.95				PHENOCRYSTS IN FINE GRAINED CHLORITE RICH MATRIX. 5% EPIDOTE AS																						
R F	91.19	91.95				FINE VEINLETS AND AS REPLACEMENTS OF GROUNDMASS AND																						
R F	91.19	91.95				PHENOCRYSTS, RANDOM CROSS-CUTTING CALCITE STRINGERS.																						
N F	91.19	91.95				X M F I C	PP	2	4	2	4	N															1	3
L						3G						4																

S U M M A R Y R E M A R K S

DRILL HOLE S88DH006 WAS COLLARED ON THE CAMSELL 4 CLAIM AND DRILLED AT AN AZIMUTH OF 80 DEG. AND DIP OF -50 DEG. TO A TOTAL DEPTH OF 99.36M.
FROM 0.00-2.31M WAS TRICONED. INTERBEDDED SEQUENCE OF DARK GREY HORNFELS AND CALCAREOUS SILTSTONE WAS INTERSECTED AT 2.31-42.07M. CALCIC ALTERATION OF THIS INTERVAL IS VERY WEAK; IT IS ON AVERAGE UP TO 15%. HORNBLENDE FELDSPAR PORPHYRY DYKE/SILL WAS ENCOUNTERED AT 42.07-50.54M. UPPER CONTACT ZONE TO THIS INTRUSIVE IS EXTENSIVELY BLEACHED AND CALC-HORNFELSED (39.91-42.07M) BUT ONLY VERY WEAKLY MINERALIZED. <0.1% PYRITE DISSEMINATIONS. GRANODIORITE OCCURS AT 50.54-99.36M. IT IS CUT BY A NARROW MAFIC DYKE AT 91.19-91.95M.

P5 <1 <=

1 DATE: 13/NOV/88

ASSAY FILE FTN - M579 - S88DH006
SAMPLE INTERVALS

LINE	FROM	TO	INTERVAL	SAMPLE
1	0.00	7.70	7.70	
2	7.70	9.70	2.00	359901
3	9.70	11.70	2.00	359902
4	11.70	13.72	2.02	359903
5	13.72	15.76	2.04	359904
6	15.76	22.86	7.10	
7	22.86	25.00	2.14	359905
8	25.00	27.00	2.00	359906
9	27.00	29.00	2.00	359907
10	29.00	31.00	2.00	359908
11	31.00	33.00	2.00	359909
12	33.00	36.00	3.00	359910
13	36.00	38.01	2.01	359911
14	38.01	39.91	1.90	359912
15	39.91	42.07	2.16	358813
16	42.07	44.20	2.13	359914
17	44.20	46.32	2.12	359915
18	46.32	48.50	2.18	359916
19	48.50	50.54	2.04	359917

1 DATE: 13/NOV/88

ASSAY FILE SLG - M579 - S88DH006
SLUDGE SAMPLES

LINE	FROM	TO	INTERVAL	SAMPLE	AUPPB
1	0.00	7.62	7.62		
2	7.62	10.67	3.05	400035	5
3	10.67	13.72	3.05	400036	5
4	13.72	16.76	3.04	400037	55
5	16.76	19.82	3.06	400038	5
6	19.82	22.86	3.04	400039	50
7	22.86	25.91	3.05	400040	5
8	25.91	28.96	3.05	400041	5
9	28.96	32.00	3.04		
10	32.00	35.05	3.05	400042	5
11	35.05	99.36	64.31		

Chevron Minerals Ltd.
M579

DRILLHOLE/TRVERSE : S88DH007

PROJECT IDEN : M579	START DATE : 88/10/13	COMPLETION DATE : 88/10/14	GEOLOGGED BY : DDD + JAB
COLLAR NORTHING: -3652.00	COLLAR EASTING : 867.00	COLLAR ELEVATION: 1505.00	GRID AZIMUTH : 0.00
	TOTAL LENGTH : 78.33	CORE/HOLE SIZE : NQ	

	SURVEY FLAG	SURVEY POINT LOCATION	FORESIGHT	AZIMUTH (DEGREES)	VERTICAL ANGLE (DEGREES)	NORTHING	EASTING																										
	000	0.00		90.00	-50.00																												
	001	78.33		90.00	-50.00																												
F - INTERVAL -		CORE	X	TYPICAL	GRAIN	FRAC-	STRUCTUR-1	ALTERATION	MINS	ORE-TYPE	MINS																						
K L (UNITS = MT)		RECOV-	M	ROCK	FYING	MIN	TURES	CHARACS	TURE	H	H	H	H	H	ANY	H	H	H	ANY														
E A		ERY	I	TM	TM	MAT	TX	TX	F	C	%	M	T	ID	STK	DIP	A	A	A	A	A	MIN	A	A	A	MIN							
Y G FROM - TO		(%)	X	TYPE	1	2	QM1	1	2	F	F	C	P	‡	TK	1	AZM	RT	DI	VE	CY	C/	BI	XX	PY	CP	LI	YY	SUMMARY				
K F		ROCK	FOR	EN	RT	TM	QM2	TX	TX	S	R	S	O	DIP	F	T	ID	STK	DIP	GA	WO	CL	EP	CA	HA	PR	AS	FS	HA				
E L		QUAL	MEM	V	Q	LC-	3	3	4	O	N	H	/	SML	I	2	AZM	RT				H	H	H	H	H	H	H	H	H			
Y G		DESIG	AGE	COL						R	D	P	C			STRUCTUR-2					A	A	A	A	A	A	A	A	A				
P	0.00	3.05		TRIC												P																	
R P	0.00	3.05		TRIC																													
				TRIC																													
P	3.05	40.83		HFLS		BL4	BN	1	2	5	2				P	BD	80				Q4											1 3	
L				2A											4	4								D*								1 4	
R P	3.05	40.83		HORNFELS: DARK GREY, BANDED, MEDIUM THINLY BEDDED WITH AVERAGE THICKNESS OF 5-20CM. 0.5% DISSEMINATED PYRRHOTITE. CALCIC ALTERATION FORMS 35-50% OF THE INTERVAL. IT IS PALE GREY AND PINK AND OCCURS AS IRREGULAR PATCHES AND NARROW BANDS PARALLEL TO BEDDING. HORNFELS IS INTERBEDDED WITH 40% CALC-HORNFELS AND 10% IMPURE LIMESTONE. RARE HORNFELSED GRIT (3%). WEAKLY MINERALIZED; 0.3% PYRRHOTITE DISSEMINATIONS. NARROW SECTIONS OF BRECCIATION WITH ABUNDANT RUSTY STAINED FRACTURED SURFACES AT 23.10-24.77, 27.48-27.80M AND 35.36-35.86M.																													
R P	3.05	40.83		CALC HORNFELS: PALE GREY AND PINK, BANDED AND LESS COMMONLY MOTTLED. IT FORMS ABOUT 40% OF THIS INTERVAL. 0.1%-0.3% PYRRHOTITE BLEBS.																													
R P	3.05	40.83		LIMESTONE: PALE GREY, MASSIVE COARSE CRYSTALLINE AND RELATIVELY UNALTERED.																													
R P	3.05	40.83		4	HFC		BL8	BN	ML	1	2	5	2		N	BN	82				Q8											1 4	
L				7A											4																	2 7	
N S	3.05	40.83		1	LMST					MX	3	4	5	4		N																1 3	
L				6A											3																	0	
R T	33.03	33.53		MAFIC DYKE: DARK GREEN, FINE GRAINED, PORPHYRITIC WITH 30% CREAMY PLAGIOCLASE PHENOCRYSTS.																													
R T	33.03	33.53		X	MFIC					PP	2	4	3	4		N	UC	82														1 3	
L				3G											3	LC	55															0	
P	40.83	53.23		CA	SILT		BL3	MX	BN	3	4	5	4		P	BD	65															1 4	
L				6A											4										<=							2 3	
R P	40.83	53.23		CALCAREOUS SILTSTONE: PALE GREY. MASSIVE TO LOCALLY THINLY BEDDED; AVERAGE 5-50CM. SILTSTONE IS INTERCALCTED WITH BANDS AND IRREGULAR PATCHES OF CALC-HORNFELS (30%) AND MINOR MEDIUM																													
R P	40.83	53.23																															
R P	40.83	53.23																															

Chevron Minerals Ltd.
M579

DRILLHOLE/TRVERSE : S88DH007 (CONTINUED)

F K L E A Y G	- I N T E R V A L - (UNITS = MT)		CORE RECOV- ERY (%)	X M I X	TYPI- M TM	QAL TM	TEX- TX	GRAIN TX	FRAC- F C % M	STRUCTUR-1 T ID	ALTERATION STK DIP	MINS GA WO CL EP CA HA PR AS FS HA	ORE-TYPE MIN A A A MIN A A A MIN	MINS H H H H H ANY H H H ANY	SUMMARY
	FROM	TO													
R P	40.83	53.23	GREY, WEAKLY BLEACHED HORNFELS (<5%).												
P	53.23	66.74	HFCa			BL8	BN	ML	1 2 5 2	P	BN	70	Q7	B-	1 4
L			7A							4				D(2 7
R P	53.23	73.72	CALC-HORNFELS: PALE GREY, PINK AND GREEN. VERY FINE GRAINED, BANDED AND MOTTLED. 0.1% PYRRHOTITE BLEBS AND DISSEMINATIONS AND 0.05% PYRITE.												
R P	53.23	73.72	CALC-HORNFELS: FAIRLY STRONG BLEACHED/ ALTERED UPPER CONTACT ZONE TO THE HORNBLende-FELDSPAR PORPHYRY DYKE/SILL (66.74-73.72M). NARROW SECTIONS OF GARNET-DIOPside SKARN. 0.3% PYRRHOTITE DISSEMINATIONS AND BLEBS AND <0.1% PYRITE.												
R F	60.45	66.74	CALC-HORNFELS IS INTERBEDDED WITH RELATIVELY UNALTERED CALCAREOUS SILTSTONE WHICH FORMS ABOUT 30% OF THE INTERVAL.												
R F	60.45	66.74	X HFCa			BN	ML	1 3 1 5		N	BN	70 Q+	P7	D(1 5
R F	60.45	66.74	7A							5			D=	D*	2 8
R F	60.45	66.74	PPHF			PP		2 5 3 5		P	UC	45	H2	D*	E=
R F	60.45	66.74	3U							5	LC	78		D)	1 5
R F	60.45	66.74	GRDR			MX	PL	4 5 5 5		P	UC	78			1 5
R F	60.45	66.74	5A							5					0
R P	73.72	73.73	HORNBLende FELDSPAR PORPHYRY: WITH 20% BIOTITE ALTERATION OF HORNBLende PHENOCRYSTS AND PARTLY MATRIX. 1% PYRRHOTITE AND 0.3% PYRITE DISSEMINATIONS AND BLEBS. FROM 72.00-73.72M IS BROKEN UP; BRECCIATED AND LOCALLY BLEACHED CONTACT TO THE UNDERLYING GRANODIORITE INTRUSIONS.												
R P	73.72	73.73	GRANODIORITE: MASSIVE, MEDIUM GRAINED, WEAKLY PORPHYTIC. FROM 73.72-75.95M ALTERED AND BRECCIATED CONTACT WITH THE ABOVE HORNBLende-FELDSPAR PORPHYRY DYKE/SILL.												

S U M M A R Y R E M A R K S

DRILL HOLE S88DH007 WAS COLLARED ON THE CAMSELL 4 CLAIM AND DRILLED TO A TOTAL DEPTH OF 78.33M ALONG AN AZIMUTH OF 90 DEG. AND A DIP OF -50 DEG.
INTERBEDDED HORNFELS (50%), CALC-HORNFELS(40%) AND LIMESTONE (10%) WAS INTERSECTED AT 3.05-40.83M, ON AVERAGE 0.3% PYRRHOTITE IS UNDERLAIN BY CALCAREOUS SILTSTONE (70%) WITH WEAK CALCIC ALTERATION (30%) AT 40.83-53.23M. HORNBLende FELDSPAR PORPHYRY DYKE/SILL OCCURS AT 66.74-73.72M. IT CONTAINS UP TO 1% PYRRHOTITE AND 0.3% PYRITE. HOST ROCKS AT THE UPPER CONTACT WITH THE HFP ARE STRONGLY CALC-HORNFELSED AND LOCALLY SKARNED (DIOPside(?)-GARNET SKARN); AT 60.45-66.74M. GRANODIORITE OF CAHILL CREEK PLUTON WAS INTERSECTED AT 73.72-78.33M.

1 DATE: 13/NOV/88

ASSAY FILE FTN - M579 - S88DH007
SAMPLE INTERVALS

LINE	FROM	TO	INTERVAL	SAMPLE
1	0.00	3.05	3.05	
2	3.05	5.88	2.83	359951
3	5.88	8.23	2.35	359952
4	8.23	10.23	2.00	359953
5	10.23	12.28	2.05	359954
6	12.28	14.33	2.05	359955
7	14.33	16.35	2.02	359956
8	16.35	18.35	2.00	359957
9	18.35	20.35	2.00	359958
10	20.35	22.55	2.20	359959
11	22.55	24.55	2.00	359960
12	24.55	26.55	2.00	359961
13	26.55	28.55	2.00	359962
14	28.55	30.60	2.05	359963
15	30.60	32.61	2.01	359964
16	32.61	33.53	0.92	359965
17	33.53	35.66	2.13	359966
18	35.66	37.66	2.00	359967
19	37.66	39.71	2.05	359968
20	39.71	40.83	1.12	359969
21	40.83	43.71	2.88	359970
22	43.71	45.71	2.00	359971
23	45.71	47.85	2.14	359972
24	47.85	49.90	2.05	359973
25	49.90	51.90	2.00	359974
26	51.90	53.23	1.33	359975
27	53.23	55.95	2.72	359976
28	55.95	57.95	2.00	359977
29	57.95	60.45	2.50	359978
30	60.45	62.05	1.60	359979
31	62.05	64.05	2.00	359980
32	64.05	66.74	2.69	359981
33	66.74	69.19	2.45	359982
34	69.19	71.19	2.00	359983
35	71.19	73.72	2.53	359984
36	73.72	78.33	4.61	

1 DATE: 13/NOV/88

ASSAY FILE SLG - M579 - S88DH007
SLUDGE SAMPLES

LINE	FROM	TO	INTERVAL	SAMPLE	AUPPB
1	0.00	3.05	3.05		
2	3.05	6.10	3.05	400043	5
3	6.10	78.33	72.23		

APPENDIX VIII
HANDSPECIMEN DESCRIPTIONS

ROCK CHIP SAMPLING - SAMPLE DESCRIPTIONS

TRENCH 3

<u>Sample No.</u>	<u>Width(m)</u>	<u>Description</u>
DD8-S-104	1.80	Calc-hornfels, pale grey, pervasive calcic alteration
DD8-S-105	1.40	Interbedded light calc-silicate hornfels (40%) and grey argillaceous limestone, moderate calcic alteration (40%)
DD8-S-106	2.20	Same as DD8-S-105, 0.1% fine disseminated sulfides
DD8-S-107	1.90	Same as DD8-S-105
DD8-S-108	1.80	Calc-hornfels, grey to purple, banded and mottled (35-40%) interbedded with grey argillaceous limestone (60-65%), moderate calcic alteration (40%), trace fine disseminated pyrite
DD8-S-109	1.25	Calc-hornfels, pale grey to dark grey, well bedded (80%) intercalated with grey limestone (20%)
DD8-S-110	1.80	Same as DD8-S-109
DD8-S-111	2.50	Same as DD8-S-109, 0.1% fine sulphides as disseminations and fracture fillings
DD8-S-112	1.70	Same as DD8-S-109, 0.3% disseminated pyrrhotite
DD8-S-113	1.20	Calc-hornfels, pale grey to medium grey, 30% patchy calcic alteration, 0.1-0.3% pyrrhotite blebs
DD8-S-114	1.30	Same as DD8-S-113
DD8-S-115	1.30	Calc-hornfels, pale grey (30%), interbedded with medium grey limestone (70%), trace pyrite disseminations
DD8-S-116	1.50	Same as DD8-S-115, rusty brown weathered
DD8-S-117	2.20	Same as DD8-S-115
DD8-S-118	1.20	Limestone, pale grey to green, weakly bleached /skarned?
DD8-S-119	1.60	Limestone, medium to pale grey (80%) interbedded with calc-hornfels (20%), weakly bleached and altered, trace disseminated fine sulphides
DD8-S-120	1.60	Calc-hornfels, pale grey to green, 60% calcic alteration, strongly rusty weathered, 0.3% disseminated sulphides

ROCK CHIP SAMPLING - SAMPLE DESCRIPTIONS

TRENCH 4

<u>Sample No.</u>	<u>Width(m)</u>	<u>Description</u>
DD8-S-73	1.65	Calc-silicate hornfels, mottled pale grey to dark grey, 40-50% patchy calcic alteration, 0.1% disseminated pyrite
DD8-S-74	1.60	Same as DD8-S-73
DD8-S-75	2.00	Calc hornfels with patches of dark purple biotite hornfels (25%) 0.1% disseminated pyrite
DD8-S-76	0.45	Mottled light grey calc-hornfels (30%) interbedded with grey and white limestone (70%)
DD8-S-77	1.00	Feldspar porphyritic diorite sill, 1% disseminated pyrite, 2% disseminations and blebs of pyrrhotite
DD8-S-78	2.80	Calc-silicate hornfels, light pink and grey (50%) interbedded with white and medium grey limestone (50%)
DD8-S-79	8.00	Hornblende-feldspar porphyritic diorite sill, 50% calcic alteration, 3% pyrrhotite blebs and disseminations
DD8-S-80	2.00	Calc-silicate hornfels, pale grey to pink (70%) interbedded with grey limestone (30%)
DD8-S-81	3.10	Same as DD8-S-80
DD8-S-82	1.70	Calc-silicate hornfels, mottled pale grey-green to purple, 10% grey to white limestone interbeds
DD8-S-83	2.00	Same as DD8-S-82
DD8-S-84	1.90	Calc-hornfels, pale grey to green, partly mottled texture, 70% patchy calcic alteration, trace pyrite disseminations
DD8-S-85	2.20	Calc-hornfels, pale grey to dark 5% grey white limestone interbeds, 60% patchy calcic alteration, trace disseminated pyrite
DD8-S-86	2.00	Same as DD8-S-85
DD8-S-87	2.30	Same as DD8-S-85
DD8-S-88	2.50	Same as DD8-S-85

TRENCH 4 Continued

<u>Sample No.</u>	<u>Width(m)</u>	<u>Description</u>
DD8-S-89	2.60	Gabbro dyke, dark green, medium grained
DD8-S-90	2.40	Calc-hornfels, pale grey, thoroughly bleached, pervasive calcic alteration, 0.1% pyrrhotite blebs
DD8-S-91	1.90	Calc-hornfels, mottled pale grey to purple, pervasive calcic alteration, trace pyrite and pyrrhotite
DD8-S-92	1.80	Same as DD8-S-91
DD8-S-93	1.70	Calc-hornfels (60%), pale grey to dark grey, interbedded with coarse crystalline marble (40%), 0.5% pyrrhotite blebs and disseminations
DD8-S-94	1.70	Calc-hornfels, pale purple to grey, pervasive calcic alteration
DD8-S-95	1.70	Same as DD8-S-94
DD8-S-96	1.70	Calc-silicate hornfels, mottled pale grey to dark grey and green 50-60% patchy calcic alteration, 0.5% disseminated pyrite, 0.5% pyrrhotite blebs
DD8-S-97	1.80	Same as DD8-S-96
DD8-S-98	1.85	Same as DD8-S-96
DD8-S-99	2.30	Calc-hornfels, mottled pale to dark grey, 70% patchy calcic alteration, rusty weathering surface, 0.5% pyrite disseminations, 5% marble interbeds
DD8-S-100	2.45	Same as DD8-S-99
DD8-S-101	4.90	Hornblende-feldspar porphyritic diorite dyke, rusty weathered, 0.2% each pyrite and pyrrhotite
DD8-S-102	2.00	Calc-hornfels, mottled pale grey and green, 70% calcic alteration