GEOLOGICAL, GEOCHEMICAL

AND

DIAMOND DRILLING REPORT

on the

SIMILKAMEEN PROPERTY

MONTELLO OPTION

LOST HORSE 1 - 4, LOST HORSE A - B,

and LOST HORSE 86 Claims

OSOYOOS MINING DIVISION

N.T.S. 92H/8E

49°16'30" 120°06'

Owners: Chevron Minerals Ltd. and Montello Resources Ltd.

Operator: Chevron Minerals Ltd.

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December 1988

Part 1 of 2

TABLE OF CONTENTS

LIST OF FIGURES

LIST OF TABLES

APPENDICES

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 24 claim units and is located south of Hedley, B.C. in the Osoyoos Mining Division. These claims were optioned from Montello Resources Ltd. in 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 eastern half of the claim block in the zone of weakly auriferous calc-hornfels encountered by trenching and drilling during the 1987 exploration 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 Montello option mineral claims are located approximately 8.5 kilometres south of Hedley and 22 kilometres west of Keremeos in the Osoyoos Mining Division (Figure 1). The property is located at the headwaters of Larcan Creek and extends

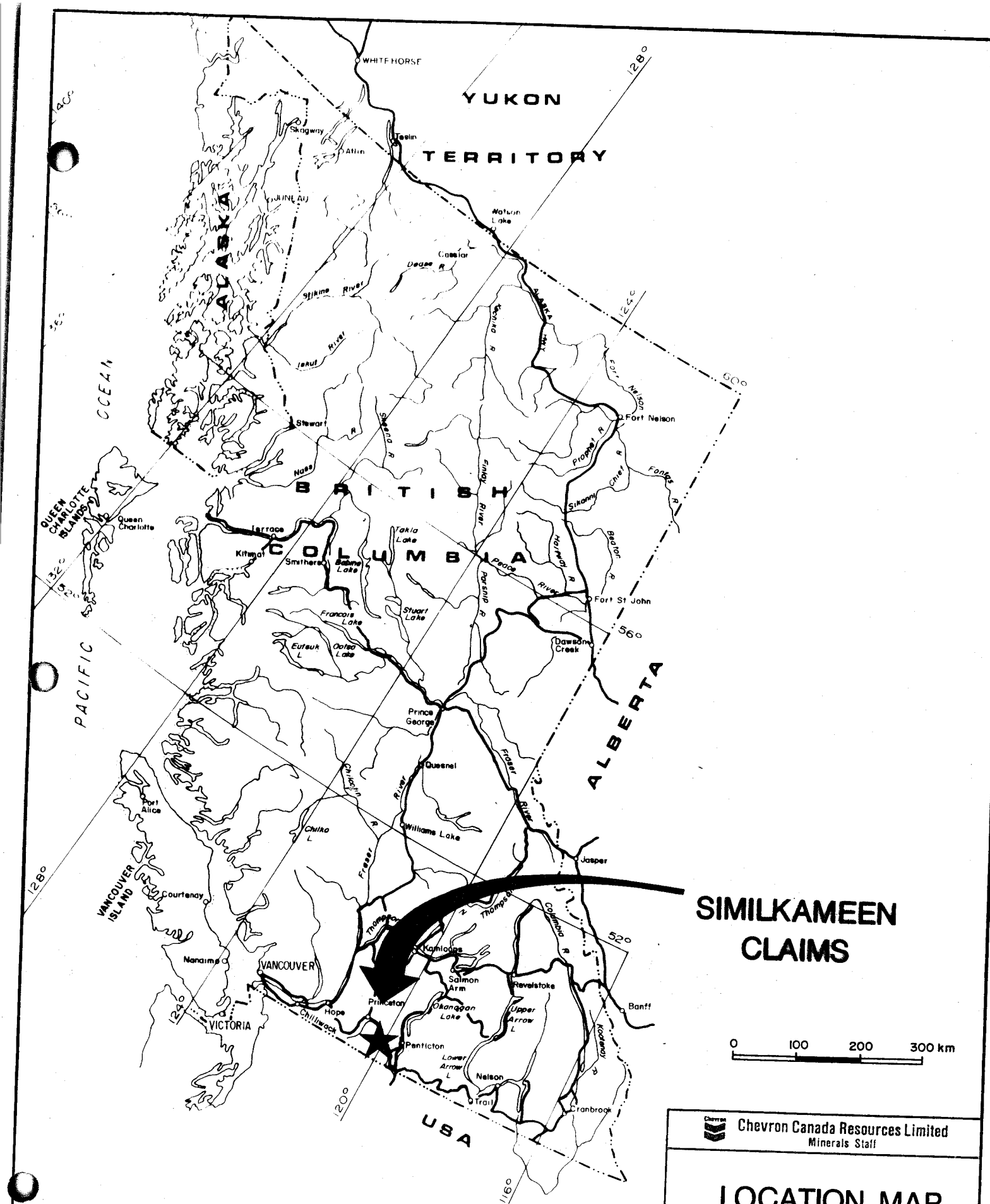

FIGURE 1

Chevron Canada Resources Limited
Minerals Staff

LOCATION MAP

FIGURE No.		PROJECT No. M-579	
DATE	REVISIONS		SCALE
NTS No.			
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east down the grassy slope to the top of the cliffs. The western boundary of the claims is located 1.5 kilometres southeast of B.C. Tel's microwave tower.

The property can be accessed by two routes using a 4 wheel drive vehicle. 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.

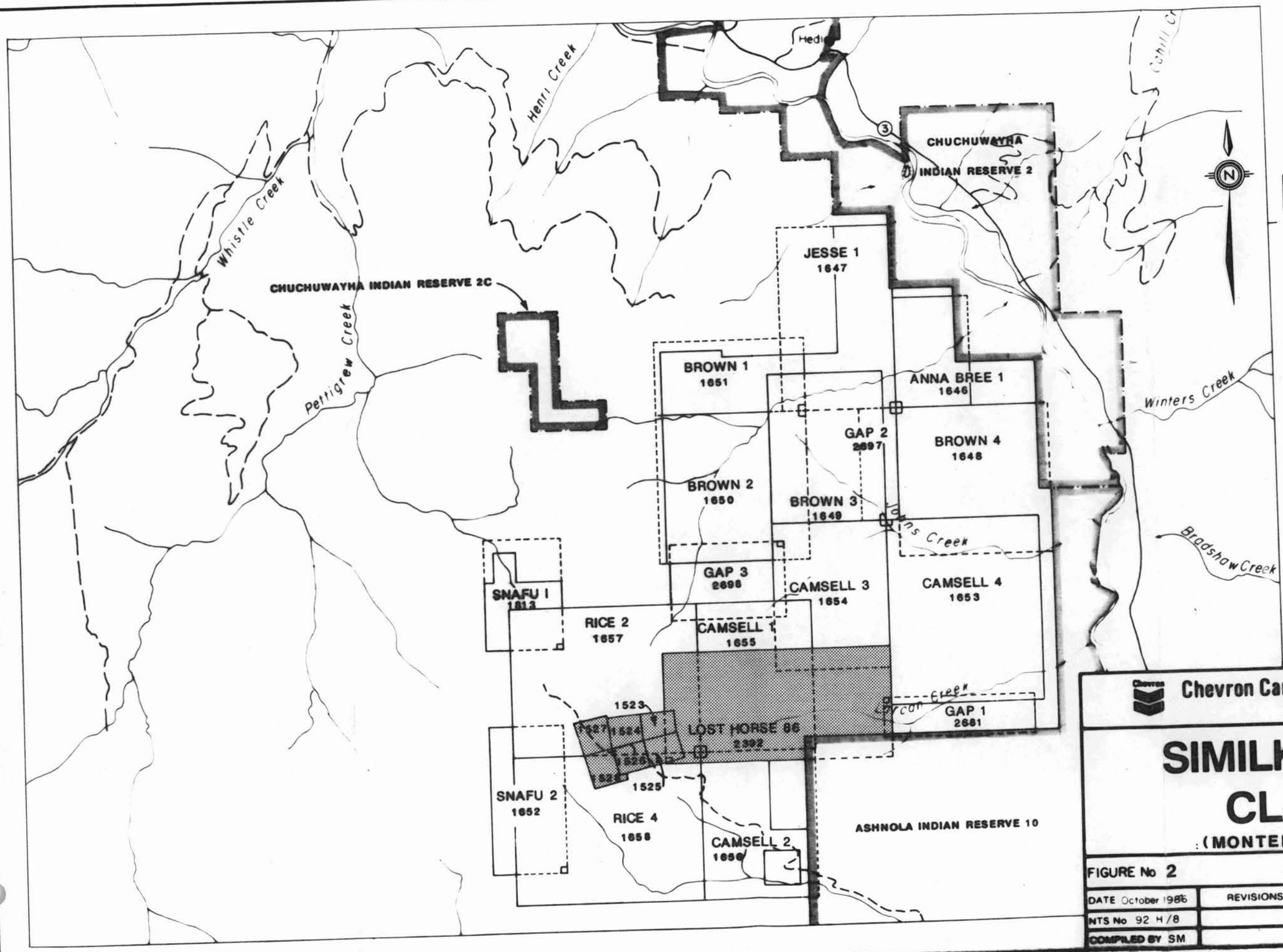
The second route to the property is along the B.C. Tel's recently completed service road to the microwave tower that heads southeast from the Whistle Creek Mainline at approximately kilometre 6.

Elevations on the property range from 1450 metres at the eastern boundary along the base of the grassy slope to 1980 metres at the western edge of the property. Total relief on the claims is 530 metres. The topography consists of gentle rolling slopes over most of the claim group.

Large grassy areas that are found on some of the south-facing hills are surrounded by stands of fir, pine and spruce. A dense growth of immature evergreens is found at the north end of the Lost Horse 86 claim in the area of an old burn.

3.0 CLAIMS

The work outlined in this report was conducted by Chevron Minerals Ltd. on the Montello option claims. The 24 claim units in the Osoyoos Mining Division are held under option from Montello Resources Ltd. (Figure 2).



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SIMILKAMEEN CLAIMS

(MONTELLO OPTION)

FIGURE No 2		PROJECT No M 579	
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These claims are 65% owned by Chevron Minerals Ltd. and 35% owned by Montello Resources Ltd. These claims are located entirely in the Osoyoos Mining Division. The Montello option claims are as follows;

Group	Claim	Record Number	Record Date	Units	Expiry Date (before submission of this report)
Lost Horse 1989					
	Lost Horse #1	1523	21-Apr-82	1	21-Apr-97
	Lost Horse #2	1524	21-Apr-82	1	21-Apr-97
	Lost Horse #3	1525	21-Apr-82	1	21-Apr-97
	Lost Horse #4	1526	21-Apr-82	1	21-Apr-97
	Lost Horse A	1527	21-Apr-82	1	21-Apr-97
	Lost Horse B	1528	21-Apr-82	1	21-Apr-97
	Lost Horse 86	2392	24-Mar-86	18	24-Mar-97
		TOTAL		24	

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 Lost Horse 86 claim are evidence of some early work. The dates of this work are not known.

During the 1986 field season Shangri-La Minerals Limited carried out an exploration program on the Montello option claims for Montello Resources Ltd. This work consisted of geological mapping, soil geochemistry, as well as ground geophysics (Falconer et al, 1986). Both magnetometer and VLF-EM surveys were conducted. During the 1987 field season Chevron Minerals Ltd. conducted an exploration program on this ground. This work consisted of geological mapping, soil geochemistry, trenching and 187.76 metres of diamond drilling in one hole (McAllister and McPherson, 1988).

Chevron Minerals Ltd. conducted diamond drilling program on the Montello 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 work included trench reclamation and the construction of two drill pads and an access road leading to one of the drill pads.

All the bulldozer work was conducted on the Lost Horse 86 claim. A low-bed truck was used to transport the D-6 from Osoyoos, B.C. 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 150 metres of new road was constructed for access to the 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 volcaniclastic 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 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.

Early Jurassic-age Cahill Creek granodiorite crops out at the extreme east end of the property. The belt of Hedley Sequence rocks have been intruded by numerous hornblende feldspar porphyry sills and dykes that are known as the Hedley Intrusions. The Larcan stock, a small diorite plug, crops out at the

north end of the Lost Horse 86 claim. The Cahill Creek granodiorites are younger than the Hedley Intrusions (Ray, et al., 1986 and 1987). Table 1 outlines the stratigraphy of the property.

TABLE 1

STRATIGRAPHY OF THE SIMILKAMEEN PROPERTY

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 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 700 metres.

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 volcaniclastic 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 volcaniclastic 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 volcaniclastic 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.

HEDLEY INTRUSIONS

The Early Jurassic Hedley intrusions present on the property are hornblende ±feldspar porphyry sills and dykes as well as a diorite plug. 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 trench S87TR002. One small diorite stock is found at the north end 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 Larcan stock intrudes the rocks of the Whistle and Hedley Sequences on the Similkameen property. This diorite stock is approximately 100 x 400 metres in size and crops outs at the north end of the Lost Horse 86 claim just west of the baseline. This quartz-hornblende-biotite rich diorite is equigranular, mottled grey-beige to beige-black and fine to medium grained. The diorite contains minor blebs and disseminations of pyrite. This intrusion may cause local weak skarning within the sediments.

CAHILL CREEK PLUTON

The Middle to Lower Jurassic-age Cahill Creek Pluton is composed of granodiorite and minor aplite. These plutonic rocks crop out at the east end of the property.

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.

One zone of aplite occurs at the southeastern edge of the Lost Horse 86 claim. 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.

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.

7.0 GEOCHEMISTRY

During the 1988 field season a total of 442 samples were collected on the Similkameen property. Of these samples 72 are trench chip samples, 338 are from diamond drill core and 32 are drill sludge samples. 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 TRENCHING PROGRAM

The 1988 trench sampling was designed as a follow-up to the 1987 trenching progam. 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 trenches had only been sampled initially. On the Montello option a total of 72 samples were collected from trench S87TR0001.

8.1 TRENCH S87TR001

Trench S87TR001 was excavated during the 1987 exploration program with about 370 metres of bedrock exposed (Figure 4).

The area exposed in the Trench S87TR001 is dominantly underlain by Late Triassic Hedley Formation, a sequence of altered sediments which consist of interbedded calc-silicate hornfels, hornfels, hornfelsed grit to fine pebble conglomerate with minor limestone or marble, and mafic tuff. The Copperfield conglomerate of younger Whistle Creek Formation is exposed at the western end of the trench. The Hedley Formation strikes an average north-south with moderate dips to the west. The strike ranges from 145 to 200 degrees and dip from 12 to 56 degrees.

Fine-grained hornblende feldspar porphyry dykes and sills intrude the Hedley Formation sediments. These range in width from 1 to 8 metres. The dykes and sills typically weather rusty brown as a result of relatively high sulphide contents: 2-5% pyrrhotite, 1-2% pyrite and up to 0.5% chalcopyrite.

The Hedley Formation is intruded by Early Jurassic unaltered Cahill Creek granodiorite pluton in the northeastern end of the trench.

The sedimentary sequence exposed in the trench has undergone various degrees of calc-silicate alteration. The alteration varies from patchy bleaching which permeates from microfractures to bedding planes to pervasive zones of complete bleaching where the entire host has been replaced by calc-silicate minerals.

The calc-silicate alternation is typically pale grey, pink and green and mottled to banded in appearance. The altered host rocks are aphanitic, precluding field identification of alteration minerals. Rare coarse crystalline reddish

brown garnet and radiating crystal aggregates of actinolite and wollastonite are observed.

The dominant sulphide minerals are pyrrhotite and pyrite with rare arsenopyrite and chalcopyrite. Pyrrhotite and pyrite occur as blebs, disseminations and microfracture fillings and form an average up to 3% of host lithologies.

A total of 72 rock-chip samples was collected during the resampling program. Only two samples, DD85-047 and DD85-051, were highly anomalous in gold, 580 and 1020 ppb, respectively. Both of these samples were collected in northeastern part of the trench, immediately adjacent to highly anomalous zones which were sampled in fall 1987 and carried values of 830 ppb and 5420 ppb Au. The highest gold value of 1020 ppb was obtained from a 1.6 metre wide zone of interbedded calc-hornfels adjacent to sample SM75-210 collected in 1987 which ran 5420 ppb Au. The second highly anomalous gold value of 830 ppb came from a 0.55 metre wide sample collected 2 metres southwest from the contact with hornblende-feldspar porphyry dyke. These are the highest gold values obtained from the resampling program on the property.

9.0 DIAMOND DRILLING PROGRAM

The 1988 diamond drilling program on the Montello option was designed to test the zone of weakly to highly anomalous gold values that extend over a 60 metre interval of calc-hornfels and limestone that have been intruded by Hedley-type sills and dykes in drill hole S87DH001. These Hedley Sequence rocks were tested by three

drill holes, all collared on the Lost Horse 86 claim, with a total length of 576.99 metrs (Figures 5 and 5A).

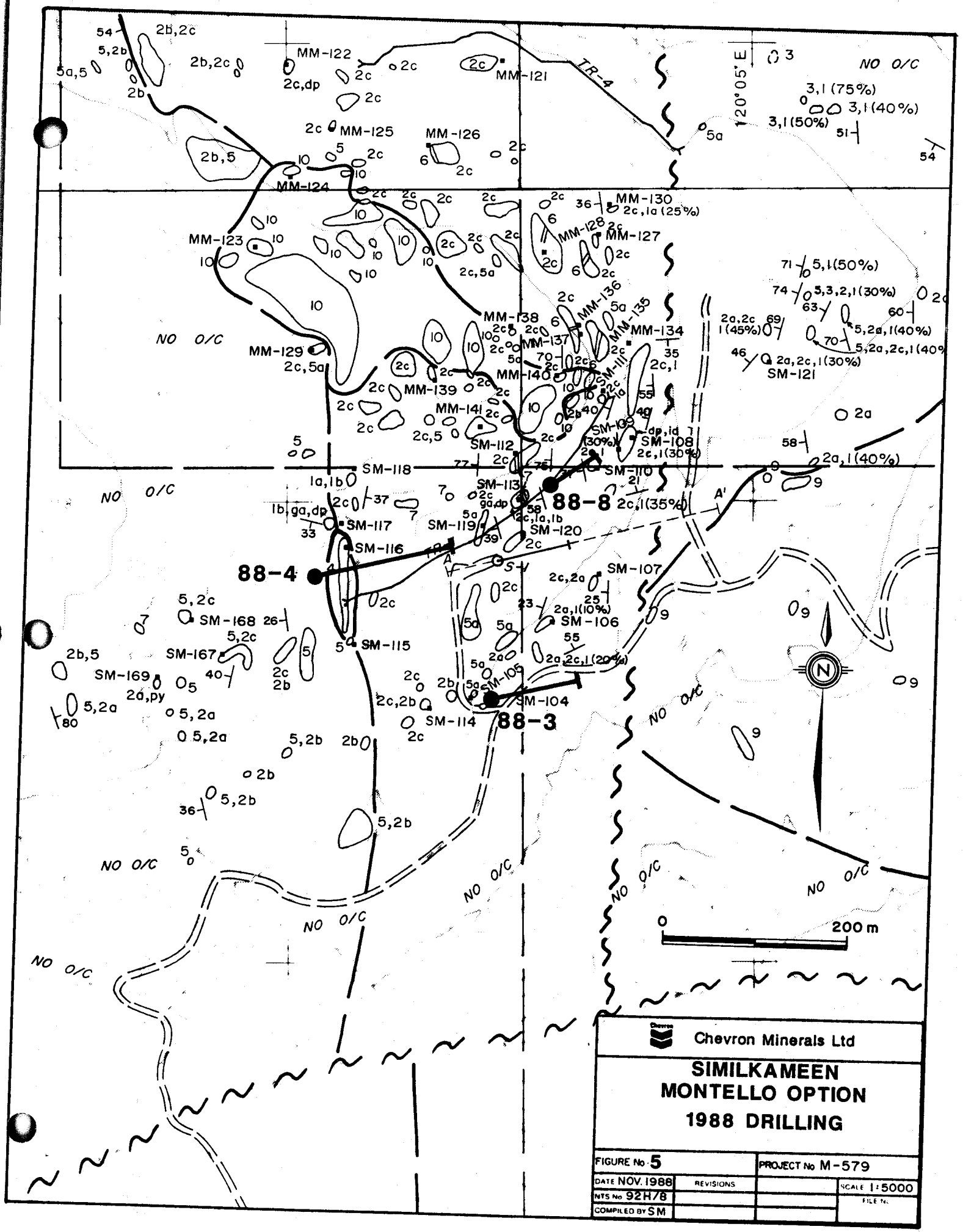
The drill core is currently, stored on the property near the northeast corner of the Lost Horse 86 claim. All 1987 drill core was transported from the Chevron warehouse in Burnaby, B.C. to the property as well.

Tonto Drilling Ltd. of Burnaby, B.C. was contracted to drill the three diamond drill holes 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 D-6 bulldozer, were 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 into the drill set up via 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. A geoheader outlining the use of the Geolog format for drill core logging is in Appendix VI. An attempt was made to collect sludge samples every 3.0 metres down



Chevron Minerals Ltd

SIMILKAMEEN MONTELLO OPTION 1988 DRILLING

FIGURE No 5		PROJECT No M-579
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the hole. Where this was not possible due to lack of circulation, all the core was split. In this way the entire length of ore was sampled.

9.1 DRILL HOLE S88DH003

Drill hole S88DH003 was collared on Lost Horse 86 claim along an azimuth of 077° and dip of -60°, and drilled to a total depth of 187.75 metres. The collar of this hole was located 130 m south of S87DH001 and was aimed to intersect the southern extension of a geochemically anomalous sequence of interbedded calc-hornfels and limestone along strike which is intruded by numerous hornblende feldspar porphyry dykes and sills (Figures 7 and 7A).

This drill hole intersected an interbedded sequence of biotite hornfels, hornfels, calc-hornfels and lesser calcareous siltstone to silty limestone and calcareous grit. Four narrow hornblende feldspar porphyry dykes were observed to intrude the Hedley Formation sediments. Enhanced sulphide mineralization was associated with hornblende porphyry dykes and sills and calc-hornfels at the contact zones to the intrusions.

Biotite hornfels interbedded with hornfelsed grit was intersected from 3.85 to 18.09 m. Biotite hornfels is observed to have undergone weak and patchy calcic alteration (30%). Calcic alteration of grit is somewhat stronger and occurs as partial to complete replacement of clasts as well as pervasive alteration of the matrix to a very siliceous calc-silicate groundmass (40-50%). Up to 1% pyrrhotite and 0.3% pyrite occur as irregular blebs, disseminations and microfracture fillings.

A zone of intense calcic alteration was intersected between 18.09 and 28.10 m. It consists of 70% pale grey calc-hornfels, 30% dark grey hornfels and 5% limestone. However, this area is only weakly mineralized with up to 0.1% pyrite disseminations.

Interbedded dark grey hornfels and lesser silty limestone to calcareous siltstone and grit was encountered between 28.10 and 187.75 metres. There is about 35% patchy calcic alteration of hornfels which forms bleached selvages to microfractures and patchy to pervasive bleaching along the bedding planes. Sulphide mineralization is generally weak, with 0.1% each of pyrite and pyrrhotite as blebs and fine disseminations.

Dark brown hornblende feldspar porphyry dykes and sills intersect the hornfelsed sediments in the above interval. Dykes and sills are typically narrow, from 0.7 to 2.1 metres along the length of the core, and have undergone up to 20% biotite alteration with coarse medium brown biotite replacing hornblende phenocrysts and partly the matrix. Enrichment in sulphide mineralization is observed within these intrusions, up to 4% pyrrhotite blebs and 1% pyrite disseminations. Host hornfelsed sediments within a several metres wide contact zone show also elevated sulphide concentrations.

No significant gold values were obtained from this hole. The best gold assay ran 60 ppb (37.0 - 39.0 metres) from sample 359667.

A geochemically anomalous sequence of calc-hornfels intruded by hornblende feldspar similar to that found in hole S87DH001 porphyry sills was not intersected by S88DH003. It is apparent that the calcic alteration and

associated gold mineralization dies out to the south along strike, which suggests, in this case, that stratigraphic control on the spatial distribution of mineralization is not as important as structural control.

9.2 DRILL HOLE S88DH004

Drill hole S88DH004 was collared on Lost Horse 86 claim and drilled to a total depth of 300.83 metres along an azimuth of 077° and dip of -60°. The collar of this hole was located north of the western end of trench S87TR001 and west of the surface exposure of Copperfield conglomerate. It was designed to intercept an area of extensive calcic alteration associated with potential "Hedley type" gold mineralization in altered Hedley Formation clastic and carbonate sediments that was encountered in hole S87DH001 (Figures 6, 6A and 6B).

Interbedded hornfelsed pebble conglomerate, calc-hornfels and tuff were intersected between 3.05 and 14.02 metres. Pebble conglomerate with 10% remnants of limestone clasts may possibly represent Copperfield conglomerate.

Zones of purple brown biotite hornfels and pale grey and pink calc-hornfels were intersected from 21.94 to 157.53 metres. Minor massive, relatively unaltered limestone and siltstone are interbedded with biotite and calc-hornfels in this interval (57.50-58.44 m, 59.20-60.38 m and 106.64-113.26 m). Hornfelsed fine pebble conglomerate occurs at 132.0-140.98 m. The calcic alteration of the hornfels is moderate, 50%, from 21.94 to 38.71 m and increases to 70% below 38.71 metres. It is patchy to pervasive and ranges from bleached selvages surrounding microfractures, to extensive patches and

pervasive bleaching parallel to bedding planes. Up to 1% sulphide mineralization, dominantly pyrite and pyrrhotite, is sporadically distributed throughout the hornfelsed sediments. A narrow hornblende-feldspar porphyry dyke or sill with both weak biotite and calcic alteration intrudes the sequence at 125.16 - 128.50 metres. Up to 0.5% pyrrhotite occurs in this intrusion.

The interval from 157.5 to 193.65 m consists of interbedded calc-hornfels (60%), hornfels (40%) and minor impure limestone or calcareous siltstone. The hornfels is medium to dark grey, mottled with up to 40% patchy calcic alteration. A weakly hornfelsed hornblende feldspar porphyry sill cuts the Hedley sediments at 185.40 -191.73 m. Sulphide mineralization is scarce, up to 1% pyrrhotite and 0.2% pyrite over the length of the interval.

The drill hole intersected thinly bedded, dark grey hornfels and lesser pale grey, massive calcareous siltstone between 193.65 and 275.59 m. Calcic alteration of hornfels diminishes below 193.65 metres. It forms on average about 30% of this interval and occurs as pale grey to pink selvages to microfractures, irregular patches and bands parallel to bedding. A narrow hornblende-feldspar porphyry intrusion occurs at 210.50 -211.54 metres.

A large sulphide-rich hornblende feldspar porphyry dyke or sill was intersected from 275.59 to 285.30 metres. It is medium grey, weakly skarned with 10% poorly formed pink-brown garnet masses. Abundant pyrrhotite, up to 3%, and lesser pyrite, 0.3%, both occur as irregular blebs and less commonly as disseminations. Trace chalcopyrite is also present.

The host sediments at the lower contact with the intrusion are strongly altered (from 285.30 to 295.0 m). Bleached, pale grey and pink pervasive calcic alteration forms up to 80% of this interval. Enhanced sulphide mineralization is observed with up to 1-2% pyrrhotite blebs and fracture fillings. From 295.0 m to the bottom of the hole dark grey hornfels with 30% patchy calcic alteration predominates.

Drill hole S88DH004 did not intersect important gold mineralization. Only one sample, 9358803, returned an anomalous gold value and that was 135 ppb (105.77-106.94 metres).

9.3 DRILL HOLE S88DH008

Drill hole S88DH008 was collared on Lost Horse 86 claim and drilled to a depth of 88.39 m at an azimuth of 0.55° and a dip of -50°. This hole was collared on the northeastern part of trench S87TR001 and was aimed to intersect the highest grade gold mineralization on the property which is associated with a narrow zone of sulphide-rich calc-hornfels and also with the altered contacts of an 8 m wide hornblende-feldspar porphyry dyke (Figures 8 and 8A).

A strongly bleached zone of calc-hornfels was intersected from 4.26 to 13.90 m. It is pale grey, green and pink, mottled and forms about 80% of the interval. Remnant unbleached dark grey hornfels occurs as irregular patches within brecciated calc-hornfels. This interval is weakly mineralized with 0.1% pyrrhotite blebs.

Hornblende-feldspar porphyry dyke was intersected at 13.90 - 20.36 m. It is medium grey, porphyritic with creamy subhedral plagioclase and brown partly

biotized hornblende phenocyrsts. Up to 2% pyrrhotite occurs as blebs and microfracture fillings.

The interval from 20.36 to 80.90 consists of interbedded pale grey calc-hornfels (80%) and lesser impure grey limestone to calcareous siltstone (20%). Three narrow feldspar and hornblende feldspar porphyry dykes/sills cut the hornfelsed sediments at 22.36 -24.38 m, 32.15 - 32.81 m and 35.22 - 40.75 m. These intrusions typically exhibit weak patchy bleaching due to calcic alteration (20 - 30%) and contain up to 2% total sulphides, pyrite and pyrrhotite. The host sediments at the contacts to the dykes/sills are strongly bleached and altered to calc-hornfels (24.38 - 32.15 m and 32.81 - 35.22 m). Locally enhanced sulphide mineralization is observed within these intervals, with up to 1 - 2% pyrrhotite and pyrite blebs and disseminations.

Calcic alteration of hornfels decreases below 80.83 m. Dark grey hornfels with average 35% calcic alteration was intersected from 80.83 m to the bottom of the hole at 88.39 m. This interval is weakly mineralized with up to 0.3% pyrrhotite blebs.

No significant gold mineralization was intersected in the drill hole S88DH008. Only one sample, 359595, returned anomalous gold value and that is 150 ppb.

10.0 PETROGRAPHIC REPORT

Selected drill core samples from the Similkameen project were chosen for petrographic study and whole rock analyses in order to identify the mineralogy of alteration types previously described from fieldwork, and to aid in determining the conditions of formation.

Ten new samples were selected from drill hole S88DH004 and are described in detail in this report (samples 88-4-12.23, 20.00, 26.80, 35.90, 41.80, 54.20, 137.5, 185.70, 191.50, and 281.5). They are compared with four thin sections from drill hole S87DH001 (samples S1-15.0, 24.0, 46.0, and 97.0), described in McAllister and McPherson (1988). In all cases, sample number reflects drill hole depth in metres.

Eight of the ten samples from S88DH004 were sent for whole rock analysis (samples 137.5 and 281.5 were retained as part of a suite of hand specimens).

Although drill hole S88DH001 showed a significant zone of anomalous gold (up to 565 ppb Au), the highest gold value yielded so far from drill hole S88DH004 is 135 ppb Au. However, the alteration types in this hole are representative of a broad area, and therefore the petrographic and whole rock analyses are considered useful.

This report consists of general descriptions of rock types, alteration assemblages, and mineralization as observed in thin section, followed by discussion of the metamorphic/metasomatic conditions of formation, geological setting, and comparisons with previous results, with special reference to gold occurrences. Detailed petrographic descriptions are located in Appendix V, and certificates of analysis in Appendix III.

10.1 ROCK TYPES

CALC-HORNFELSED SILTSTONE

Three rock samples from S88DH004 (12.23, 26.80, and 35.90) are siltstone with an overprint of calc-hornfels (± biotite hornfels). The protolith was a very fine-grained, bedded, quartzofeldspathic siltstone. Relict bedding and laminations can be seen in sample 12.23. Mottled greenish-grey to pale lavender colours indicate calc-hornfels alteration, whereas darker purplish colours indicate biotite hornfels.

The calc-hornfels is characterized in thin section by porphyroblastic splotches of scapolite (dipyre to mizzonite) and clinopyroxene (diopside) superimposed on the fine-grained, clastic quartz and feldspar of the siltstone. Although the birefringence of the scapolite and diopside are similar (0.020 to 0.022), they can easily be distinguished by the higher relief and inclined extinction of the clinopyroxene, and by optic sign where grain size is large enough to obtain an interference figure. Both scapolite and diopside are locally associated with opaques. In some places, a lower birefringent, lower relief, uniaxial negative mineral forms a reaction rim between scapolite and opaques, and may be a more sodic variety of scapolite (marialite). The opaque minerals were identified in hand specimen as mainly pyrite and pyrrhotite, although minor arsenopyrite and chalcopyrite were observed. They occur as fine-grained disseminations and fine stringers parallel to bedding as well as on crosscutting fractures and microfaults (up to 5% total sulphides).

In small veinlets (less than 0.5 mm), sulphides occur with scapolite, diopside, and tremolitic amphibole, as well as quartz and feldspar. Other minor

alteration minerals include tourmaline, epidote, clinozoisite, chlorite, and calcite.

Biotite hornfelsed siltstone is similar in texture to the calc-hornfels but is characterized by superimposed orange-brown biotite (up to 40%), and tremolitic amphibole (up to 20%). The tremolite is distinguished from clinopyroxene by fibrous habit, lower extinction angle, and negative optic sign, and locally by amphibole cleavage and shape. Biotite and diopside tend not to occur together. The biotite hornfels is believed to be an earlier alteration than the diopsidic calc-hornfels (Ray et al., 1988).

Deformation textures other than fractures and microfaults are absent in these rocks, supporting an interpretation of thermal rather than regional metamorphism.

Whole rock analyses of the calc-hornfelsed siltstone samples show the highest silica contents in the sample suite, ranging from 58.75 to 64.14% SiO_2, due mainly to a high original sedimentary quartz content, rather than silicification. Other major oxides such as CaO and MgO reflect the alteration minerals such as diopside (with some CaO in scapolite and feldspar); iron is contained in the sulphides; potassium in biotite and feldspar; and sodium in feldspar and scapolite. Sample 35.90 contains the most sodium (4.72%), and no observed scapolite, suggesting albitic feldspar in the fine-grained, low birefringent, low relief groundmass to the biotite hornfels, as well as the calc-hornfels. This sample (35.90) also contains a little feldspar-amphibole porphyry dykelet (less than 1 cm wide), which has also undergone calc-hornfels alteration and is crosscut by mineralized veinlets. The whole rock analysis for

this sample is very similar to that of an altered Hedley Intrusion dyke at 191.50 m; the similarly high sodium and potassium content in sample 35.90 may be related to the intrusive dykelet.

Sample 12.23 contains the most phosphorus in the sample suite, with 1.64% P_2O_5 (the next largest value is 0.43% P_2O_5). No phosphatic minerals were observed, although it is possible that some apatite may have been overlooked among other uniaxial negative minerals such as scapolite.

CALC-HORNFELSED TUFF

Two samples from drill hole S88DH004 (41.80 and 54.20) are interpreted as calc-hornfelsed tuff rather than siltstone. They are coarser-grained, heterogeneous, mottled green and white rocks with patches of biotite hornfels. In hand specimen, the rocks appear to be fragmental and microbrecciated, with alteration in the form of green and white veinlets having annealed the fractures. Patchy colours and curved patterns suggest tuffaceous textures, although in thin section original textures are almost completely obscured.

Sample 41.80 contains about 75% calc-hornfels and 25% biotite hornfels. The biotite hornfels consists of relict perthitic alkali feldspar phenocrysts altered to brown biotite, tremolitic amphibole, and minor tourmaline, apatite, and opaques. The calc-hornfels consists of mainly diopside, scapolite, and prehnite, with minor calcite. Two phases of scapolite were identified, distinguished by birefringence, relief, and texture; uniaxial negative interference figures were obtained for both forms. Calcium-bearing dipyre has birefringence to 0.020, lower relief than clinopyroxene but higher relief than the other scapolite, and occurs as large poikiloblastic grains within the

calc-hornfels. The more sodic marialite has birefringence less than 0.010, lower relief, and occurs as large, clear grains in veins and late interstitial pods. Prehnite is distinguished from clinopyroxene by near-parallel extinction, although it has similar relief and (+)2V. There were less than 1% opaque minerals, seen in hand specimen as fine pyritic stringers.

Sample 54.20 is also interpreted as a calc-hornfelsed tuff, containing dominantly diopsidic clinopyroxene, scapolite, and tremolite apparently altered to prehnite. Amphibole-shaped prisms with amphibole cleavage are surrounded by a polygonal mosaic of late quartz and calcite, associated with coarse-grained pyrrhotite; however, their optical properties (parallel extinction, positive moderate 2V, slightly lower relief than clinopyroxene) are suggestive of prehnite. In the main part of the rock, subangular areas of coarser-grained diopside and scapolite surrounded by a matrix of finer-grained diopside are reminiscent of altered feldspar phenocrysts or clasts. Otherwise original textures have been completely obliterated. No deformation textures were observed. Mineralization consists of about 3 to 5% pyrite and pyrrhotite occurring as blebs and smaller skeletal masses associated with tremolite.

Whole rock analyses in these two samples reflect their similarities as well as differences. Sample 41.80, with some biotite hornfels and relict alkali feldspar, has higher potassium and aluminum. Both samples have less silica than the calc-hornfelsed siltstones, with 49.77 and 51.40% SiO_2, and more calcium, with 19.23% and 14.96% (samples 54.20 and 41.80). Sample 54.20 has the largest iron value for the sample suite, at 12.28%; this is presumably related to the amount of sulphides, although in thin section, this sample did

not appear to contain significantly more opaques than some of the other rocks; it is possible that the piece of rock sent for analysis contained more sulphides.

The presence of prehnite in these two samples, and not in the altered siltstones, probably partly reflects a different original composition, with a higher plagioclase content in the tuff, rather than different metamorphic conditions. However, much of the calcium content must have been introduced if the protoliths were normal tuffaceous rocks.

CALC-SILICATE ROCK

One sample from drill hole S88DH004 (20.00) is called calc-silicate rock because its protolith is uncertain. In hand specimen this rock looks like an altered granite or feldspathic grit, with earthy white and pinkish, coarse-grained minerals that could be quartz and feldspar. However, in thin section it becomes apparent that the mineralogy is completely secondary. The greyish minerals are diopside and prehnite, and the pinkish minerals are iron-stained(?) altered amphibole (tremolite?), and minor grossular garnet. Late quartz, carbonate (calcite ± dolomite), and possible chabazite are also present. All of these minerals are in the calc-silicate system SiO_2-Al_2O_3-CaO-MgO (± FeO) - H_2O-CO_2. The protolith could have been an argillaceous siliceous dolomite, or the rock could be nearly completely metasomatized.

Mineralization is limited to very fine-grained opaque dust which could be an iron oxide reaction product.

Very tiny crosscutting veinlets (less than 0.3 mm) react vigorously to HCl, indicating calcite, and yellow stain on rock chip indicates very minor potassic alteration.

Whole rock analysis of this sample is consistent with the mineralogy, showing relatively significant MgO (6.57%), high CaO (20.98%), but low Na_2O (0.22%) and K_2O (0.58%). There is 49.70% SiO_2 and 11.49% Al_2O_3, and 5.71% L.O.I. (representing volatiles such as H_2O and CO_2).

This sample represents either a metamorphosed uncommon calc-silicate rock type (such as argillaceous siliceous dolomite), or else it is part of a reaction zone formed during metasomatism. Drill core logs indicate it is from a fragmental section of a fault zone (McAllister, 1988).

CONGLOMERATE

Sample 137.5 was logged as a pebble conglomerate, but it also resembles altered Hedley Intrusions in small pieces. The cut and stained slab appears to show a porphyritic texture with about 15% potassic "phenocrysts" and about 20% grey "phenocrysts", with a fine-grained, white to pale pinkish-grey groundmass. Thin section investigation, however, confirms the hand specimen identification as a polymictic conglomerate. The potassic grains are altered siltstone clasts, and the grey grains are chert and wollastonite mineral aggregates. There are three types of clasts: siltstone, volcanic, and chert; and mineral aggregates consisting of wollastonite and diopside.

The siltstone clasts are composed of very fine-grained quartzofeldspathic minerals. The volcanic clasts are characterized by trachytic plagioclase

laths. The chert clasts are composed entirely of quartz grains. Quartz does not occur in the groundmass, which is mainly altered to a calc-silicate assemblage including scapolite and diopside. Wollastonite - diopside aggregates may be pseudomorphs of calcic crystal grains such as plagioclase or calcite, or may be open space fillings in a rock that was relatively porous during metasomatism. The wollastonite is freshly crystalline and appears stable without calcite and quartz, indicating relatively high temperature and low pressure.

HEDLEY INTRUSIONS

Several dykes or sills ranging in thickness from less than 1 m to 10 m are intersected by drill holes on the Similkameen property. They are believed to represent the early Jurassic Hedley Intrusions. The relationship between the Hedley Intrusions and the Cahill Creek pluton is not clear from the drill core logs, but they are of approximately the same age (Ray et al., 1987). However, the Hedley Intrusions, like the layered rocks they intrude, are altered to calc-hornfels, whereas the Cahill Creek pluton is less altered.

Three samples of Hedley Intrusions from drill hole S88DH004 were selected for thin section analysis (185.70, 191.50, and 281.5), and two of these were sent for whole rock analysis (185.70 and 191.50). Sample 281.5 was not sent for whole rock analysis because it is part of a representative sample suite collection.

The Hedley Intrusions samples are heterogeneous in grain size, with bimodal phenocryst size in a finer-grained but crystalline rather than glassy groundmass. This is exhibited particularly well in sample 185.70, in which

larger, brown, euhedral pyroxene and/or amphibole phenocrysts range up to 7 mm in length, and smaller, white, brown, and green phenocrysts are generally 0.5 to 1.5 mm (these are feldspar, amphibole, and/or pyroxene, with some alteration to biotite). The larger phenocrysts presently consist of an intergrowth of diopside and tremolite; many are relict pyroxene-shaped (augite?), but some could have originally been amphibole (hornblende?). Feldspar phenocrysts are altered zoned plagioclase (bytownite), with turbid (saussuritized calcic) cores and clearer (more sodic) rims. They exhibit Carlsbad, minor albite, and Baveno twins, and are locally altered to sericitic muscovite. The porphyritic texture, coarse grain size, and feldspar zoning are consistent with an interpretation of hypabyssal intrusion, and the mineralogy suggests an original intermediate composition.

Alteration minerals include both diopside and tremolite replacing relict igneous augite and/or hornblende; scapolite overprinting both pyroxene and plagioclase; some sericitization and saussuritization of feldspar; and pale brown (phlogopitic?) biotite.

Mineralization consists of finely disseminated pyrrhotite and pyrite, also occurring in blebs and stringers, with grain size generally less than 0.5 mm but up to 3 mm locally (3-5%).

Sample 191.50 is more highly altered, with more tremolite and scapolite, as well as diopside. Yellow staining on rock chip indicates somewhat more potassic alteration, represented in thin section as minor biotite and sericite, and/or presence of potassium feldspar. Mineralization consists of small stringers (0.1 x 2 cm) and blebs (up to 5 mm) as well as disseminated pyrrhotite

(3-4%). In some places the sulphides are replacing mafic phenocrysts. Very fine-grained patches of milky white to pinkish alteration consist of diopside, scapolite, and fine-grained feldspar.

Whole rock analyses of samples 185.70 and 191.50 indicate an intermediate silica content (48.84 and 52.29% SiO_2, respectively), and are consistent in general with an average intermediate igneous rock. The CaO may be somewhat high (at 12.53 and 9.68%), as well as the Al_2O_3 (at 18.82 and 19.11%). These may reflect an influx of scapolite-forming fluids. Scapolite makes up 25 to 30% of sample 191.50. If the scapolite were formed only isochemically (with addition of volatiles) directly from plagioclase, the feldspar might appear more altered or be completely replaced.

Sample 281.5 was also investigated in thin section. A stained slab of this sample shows only minor potassic alteration, and relict brown pyroxene(?) phenocrysts to 6 mm. Sample 281.5 is an intermediate intrusive porphyry with extensive scapolite alteration, similar to the other two altered Hedley Intrusions.

10.3 DISCUSSION

METAMORPHIC CONDITIONS

Two main types of alteration, biotite hornfels and calc-hornfels, are seen in the rocks from drill holes S88DH004 and S87DH001.

Biotite hornfels is present in some siltstone, tuff, and Hedley Intrusions. It consists of evenly distributed, fine-grained, secondary brown biotite, and may be accompanied by tremolite and minor tourmaline. Biotite hornfels is

considered to predate the calc-hornfels alteration (represented primarily by diopside) in the Hedley area (Ray et al., 1988). In drill holes S88DH004 and S87DH001, the calc-hornfels clearly crosscuts and overprints the biotite hornfels, supporting this interpretation. The texture of the biotite hornfels suggests thermal metamorphism in the vicinity of an intrusive contact. However, Ray et al. (1988) state that the biotite hornfels is "not a thermal metamorphic feature related to the intrusion of the Hedley sills and dykes, but represents the preliminary stage of the skarning process and results from passage of the early, very hot, skarn-forming fluids along pre-existing fractures" (p. 71). Evidence from drill hole S88DH004, such as from samples 185.70 and 191.50, which are overprinted by biotite alteration, support post-Hedley Intrusion timing for the biotite hornfels, but no evidence was seen in this study to eliminate the possibility of thermal metamorphism related to a younger intrusive phase.

Calc-hornfels alteration is more significant and pervasive than biotite hornfels in drill holes S88DH004 and S87DH001. Metamorphic and/or alteration mineral assemblages related to the calc-hornfels are extremely consistent throughout, considering the variety of rock types encountered during drilling, suggesting superimposed metasomatism rather than isochemical metamorphism as the dominant calc-hornfels alteration process.

A total of 6 siltstones, 2 tuffs, a conglomerate, a marble, a calc-silicate rock, and 3 Hedley Intrusions from drill holes S88DH004 and S87DH001 were investigated in thin section. All 14 samples, of 6 different rock types, contain diopside as an alteration mineral. All but 2 samples have scapolite alteration; all but 3 have tremolite; and all but 5 contain some carbonate (calcite $\pm$

dolomite). Most of the samples contain at least a small amount of disseminated sulphides (1 to 5% pyrite and/or pyrrhotite), apparently associated with the calc-hornfels minerals.

The three samples that contain prehnite could all be interpreted as tuff, suggesting some compositional control by rock type. The pattern of wollastonite distribution is less clear; it occurs only in metasedimentary rocks, but is generally controlled by factors such as temperature and fluid pressure as well as composition. In sample S-1-15.0, quartz and calcite occur with wollastonite, but in the deeper samples, S-1-97.0 and 88-4-137.5, they do not occur together.

The rocks investigated show a similar but more limited skarn zoning pattern to that shown in Ray et al. (1987, p. 74). Although some show relict biotite hornfels (zone 5), most are altered to light green diopsidic calc-hornfels (zone 3b) with local tremolite (zone 4).

The diopside + tremolite + calcite + quartz metamorphic assemblage usually signifies conditions in the hornblende-hornfels facies, in the stability field surrounding the reaction:

1 Tr + 3 Cc + 2 Q = 5 Di + 3 CO_3 + 1 H_2O (Winkler, 1974, p. 121).

Temperature is probably between 500 and 600 degrees C, and pressure is less than about 300 MPa (3 kbar). These conditions are consistent with a thermal high around a shallow intrusive body.

Presence of wollastonite may indicate either high temperature (greater than 600 degrees C, in proximity to a plutonic contact), or a higher proportion of H_2O relative to CO_2 in the fluid phase, under the same overall conditions. Therefore the fluids going through the relatively more porous conglomerate rock (sample 88-4-137.5), which contains wollastonite, may have been either hotter or more water-rich than those in the surrounding rocks. Wollastonite in this area generally appears in purer calc-silicate skarn rocks or closest to plutonic contacts (such as in skarn zone 1 of Ray et al., 1987, p. 74).

One of the major differences in alteration between the rocks studied and those reported from the Hedley camp is the common abundance of scapolite in the calc-hornfels assemblage. This could be due to either a different fluid composition or previous lack of identification or significant scapolite in the Hedley area. Because the rock types and main skarn assemblages in the Hedley and Similkameen areas are very similar, the general conditions of formation are considered to be approximately equivalent.

Scapolite is important because it is closely associated with sulphide mineralization in these rocks. The composition of scapolite varies considerably depending on the composition of the metamorphic or metasomatic fluid phase. Basically, scapolite is compositionally the equivalent of plagioclase plus sodium chloride and/or calcium carbonate. Scapolite composition ranges from the sodic end-member marialite ($3NaAlSi_3O_8.NaCl$, Albite + Halite) to the calcic end-member meionite ($3CaAl_2Si_2O_8.CaCO_3$, Anorthite + Calcite), with intermediate compositions called dipyre and mizzonite. The $NaCl/CaCO_3$ component may also be partly replaced by NaF, KCl, $NaHCO_3$, $NaHSO_4$ / $CaSO_4$, $MgCO_3$, or $CaCl_2$

(Winchell, 1951, p. 352). Although the compositional range in the end-member series may be estimated by relief and birefringence, there is no easy way to determine the relative proportions of chloride, fluoride, carbonate, and/or sulfate.

Scapolite tends to occur in the hornblende-hornfels facies, in somewhat lower temperature conditions than wollastonite, but their stability fields overlap somewhat.

The textures observed in this suite of rocks strongly support a metasomatic origin for the scapolite, as it is replacing a variety of other minerals, and in some cases has completely replaced large areas of the rock. There is some evidence for two phases of scapolite in some rocks, the first a more calcic variety, largely replacing plagioclase and other calcic minerals, and the second a lower birefringent, lower relief, sodic variety, generally occurring around sulphides. Scapolite is commonly associated with pyrrhotite and/or pyrite, and is therefore significant in terms of understanding the mineralizing fluids.

The calc-hornfels alteration including diopside and tremolite is locally altered to scapolite and prehnite, perhaps a slightly lower temperature assemblage, but also a different composition of alteration, with less Mg and more Al, and perhaps a changing fluid composition.

MINERALIZATION AND GEOLOGICAL SETTING

The gold-bearing part of the skarn at Hedley is limited in extent and difficult to predict, according to Ray et al. (1987). However, they suggest that gold-bearing sulphide horizons can be found in skarn-altered sedimentary rocks near

the contact between siltstones or tuff and altered carbonate rocks, in the part of the stratigraphic section near the Copperfield conglomerate, particularly in areas that were extensively cut by dykes and sills of the Hedley Intrusions (p. 75-76). They also suggest that the area covered in this report might be an interesting exploration target, due to a similar geological setting.

Although the alteration seen in drill hole S88DH004 is similar to that at Hedley and in drill hole S87DH001, gold values are not as high. Higher gold values in drill hole S87DH001 than in S88DH004 may be related to the higher proportion of actual carbonate rocks in the local section, as this is the most striking difference in lithologies between the two holes (Table 2).

Gold anomalies from grab samples studied previously and reported on in Falconer et al. (1986) in the area near drill holes S88DH004 and S87DH001 were as high as 2390 and 4820 ppb Au, in skarn rocks with up to 15-20% sulphides. Rocks studied from the drill holes contain up to 5% sulphides. Some gold values in skarn near the eastern boundary of the Lost Horse 86 claim, up to 5900 ppb Au, are associated with skarn minerals such as wollastonite, grossular, diopside, tremolite, scapolite, and idocrase (Falconer et al., 1986). There seems to be some spatial correlation between wollastonite-bearing and gold-bearing skarns, perhaps related to the high temperature of formation, the proximity to an intrusive contact, or the compositional layering of the original rock. Not all of the gold-bearing rocks contain wollastonite, nor do all wollastonite-bearing skarns contain gold, however. Gold values are apparently associated with abundant sulphides, but presence of sulphides is not necssarily diagnostic of gold ore (Ray et al., 1987, 1988). Structural factors also play an important role, which may not be

TABLE 2

Alteration Minerals

Sample		Di	Sc	Tr	Pr	Wo	Gr	Id	Ca/Do	Qz	Fs	Bi	Se	Ep/Cz	Cl	To	Other	Pyrite ± Pyrrhotite (%)
S88DH004-																		
ROCK TYPE	(m)																	
Siltstone	12.23	Di	Sc											Ep				5
Calc-sil	20.00	Di		Tr	Pr		Gr		Ca/Do	Qz							Cb(?)	(1-2?)
Siltstone	26.80	Di	Sc	Tr					Ca					Cz	Cl			2-3
Siltstone	35.90	Di		Tr						Qz	Fs	Bi				To		1-3
Tuff	41.80	Di	Sc	Tr	Pr				Ca			Bi				To		1
Tuff	54.20	Di	Sc	(Tr)	Pr				Ca	Qz								5
Congl.	137.50	Di	Sc			Wo			Ca									1-3
Hedley Int.	185.70	Di	Sc	Tr								Bi	Se					3-5
Hedley Int.	191.50	Di	Sc	Tr					Ca			Bi	Se					3
Hedley Int.	281.50	Di	Sc	Tr														1
S88DH001-																		
ROCK TYPE	(m)																	
Siltstone	15.0	Di	Sc	Tr		Wo	(Gr?)	(Id?)	Ca	Qz			Se					1-2
Marble	24.0	Di	Sc	Tr					Ca				Se					-
Siltstone	46.0	Di	Sc															1-2
Siltstone	97.0	Di	Sc	Tr		Wo			Ca									1

Di	diopside	Gr	grossular	Bi	biotite	To	touraline
Sc	scapolite	Id	idocrase	Se	sericite	Cb	chabazite
Tr	tremolite	Ca	calcite/dolomite	Ep/Cz	epidote/clinozoisite		
Pr	prehnite	Qz	quartz	Cl	chlorite		
Wo	wollastonite	Fs	feldspar				

obvious from thin section studies. The significance of the role of scapolite-forming metasomatic fluids in the relation to gold mineralization is as yet unclear in the Similkameen property area.

In summary, the most attractive targets in this area for gold exploration are those with the characteristics outlined by Ray et al. (1987, 1988). These are places where calc-hornfels and wollastonite-bearing skarn alteration has affected sedimentary to tuffaceous sequences including abundant carbonate rocks of the Hedley Formation (near the part of the section including the Copperfield conglomerate), which are intruded by numerous dykes and sills of the Hedley Intrusions, in the vicinity of a younger plutonic contact. Abundant sulphide mineralization is a good pathfinder but not necessarily indicative of gold mineralization. The combination of these characteristics, confirmed by thin section study, makes the geological setting of the Similkameen property favourable to Hedley type gold-skarn mineralization.

10.3 SUMMARY

1. Ten diamond drill core samples from drill hole S88DH004 were studied in thin section to aid in identification of rock types and mineralogy of alteration.

2. Rock types observed in drill hole S88DH004 are: calc-hornfelsed siltstone and tuff, pebble conglomerate, calc-silicate(?), and Hedley Intrusions intermediate porphyry.

3. Two main types of alteration affect the rocks in drill hole S88DH004: biotite hornfels, consisting of biotite, tremolite, and minor tourmaline,

quartz, and feldspar; and calc-hornfels, consisting of diopside, tremolite, and scapolite, with local prehnite, wollastonite, grossular, quartz, and/or carbonate, and minor tourmaline, epidote or clinozoisite.

4. Whole rock analyses of eight selected samples were consistent with observed mineral assemblages and rock types considering the alteration.

5. The calc-hornfels alteration is considered to have postdated the biotite hornfels and formed by extensive calc-silicate metasomatism, controlled by structural features, rather than by simple contact metamorphism.

6. Conditions of skarn formation indicated by alteration assemblages are consistent with hornblende hornfels to lower pyroxene hornfels facies of metamorphism, with temperature ranging from approximately 500 to 600 degrees C or slightly higher, and pressure less than 300 MPa (3 kbar), in a geological setting within the contact aureole of a relatively shallow pluton.

7. Comparison with previous data from drill hole S87DH001 and grab samples taken on or near the Lost Horse 86 claim in 1986 suggests that gold values are associated with skarn-altered sedimentary sequences including carbonate rocks, particularly those with abundant sulphides, and possibly with wollastonite.

8. The Similkameen property shares favourable characteristics for gold-skarn development with the Hedley area, and therefore may warrant further exploration.

11.0 CONCLUSIONS

The Lost Horse 86 claim is underlain by Late Triassic Hedley Sequence, a package of altered carbonate and clastic sediments which consist of dominantly interbedded calc-silicate hornfels, hornfels and limestone/marble. Minor hornfelsed grit to fine pebble conglomerate and mafic tuff is intercalated with the above assemblage. The Copperfield conglomerate of the lower Whistle Creek Sequence is exposed at the western end of trench S87TR001. A number of narrow feldspar porphyry dykes and sills intrude the Hedley Sequence sediments.

The calcic alteration is well developed almost over the entire length of trench S87TR001 in which about 370 metres of the bedrock are exposed. The alteration varies from patchy bleaching which permeates outward from microfractures towards bedding planes to pervasive zones of complete bleaching where almost the entire host has been replaced by calc-silicate minerals. Calcic alteration is typically mottled to banded pale grey, green to pink, siliceous and aphanitc. Mineralogical identification of alteration phases with any certainty is precluded by the very fine grained nature of the host rocks. Up to 3% total sulfides, pyrite, pyrrhotite and rare arsenopyrite and chalcopyrite are associated with the hornfelsed sediments and Hedley intrusions.

Trench rock-chip samples returned only weakly anomalous values in gold and arsenic. These are 5420 ppb Au, 885 ppm As (SM7S-210) and 1020 ppb Au, 25 ppm As (DD8S-51) collected over 0.5 m and 1.6 m widths, respectively.

Extensive intervals of impressive calcic alteration, often in close association with hornblende-feldspar porphyry dykes, were intersected. This alteration is evident especially in drill holes S88DH004 and S88DH008, but no significant gold values were returned from these two holes. The best sample, 359595 from S88DH008, assayed 150 ppb gold.

Drill holes S88DH003 and S88DH008 did not intersect the projections of geochemically anomalous hornfelsed sediments along strike which strongly suggests that, in this area, structural control on distribution of gold mineralization is more important than lithological control.

12.0 RECOMMENDATIONS

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

1. More detailed geological mapping of stratigraphy, alteration assemblages and structure can be undertaken in the area of trench S87TR001 in order to establish the relationship between the structure and the distribution of calcic alteration and associated mineralization;

2. Petrographic studies and whole rock analyses are recommended for actual gold-bearing rocks, as a useful tool for gaining a better understanding of the processes of gold deposition and in defining suitable geological characteristics to use for choosing future drill sites;

3. If further geological work proves to be successful, follow-up drilling is warranted with targets chosen in areas of structural importance which may carry potential Hedley-type gold mineralization;

4. Detailed petrographic and lithogeochemical study is also recommended which will lead to better understanding of the skarn-forming processes and controls on the emplacement of gold-sulfide mineralization on the property;

5. However, because of lack of encouraging gold geochemical results so far, further work is not recommended at this time.

13.0 REFERENCES

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Winkler, H.G.F. 1974. Petrogenesis of Metamorphic Rocks (Third Edition). Springer-Verlag, New York.

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 Montello Resources Ltd., or in any associated companies.

7. This report may be utilized by Montello Resources Ltd. for inclusion in a Prospectus or Statement of Material Facts.

Dated the 13 day of December 1988 Signed S. McAllister

Sandy G. McAllister

a47/5/1

STATEMENT OF QUALIFICATIONS

I. Daria Duba, hereby cetify that:

1. I am presently employed as a contract geologist with Discovery Consultants in Vernon, B. C.

2. I graduated from Concordin 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 Montello Resources Ltd., or in any associated companies.

7. This report may be utilized by Montello Resources Ltd. for inclusion in a Prospectus or Statement of Material Facts.

Dated the 4th day of November 1988 Signed Daria Duba

Daria Duba

STATEMENT OF QUALIFICATIONS

I, Jennifer S. Getsinger, do hereby certify:

1. That I am a geologist employed by Chevron Minerals Ltd. with officesat 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 Montello Resources Ltd. for inclusion in a Prospectus or Statement of Material Facts.

Signed J. S. Getsinger

Jennifer S. Getsinger, Ph.D.

GEOLOGICAL ASSOCIATION OF CANADA
J. S. GETSINGER
FELLOW

November 30, 1988
Vancouver, B.C.

a13/3/24

APPENDIX II

COST STATEMENT

1988 SIMILKAMEEN COST STATEMENT

MONTELLO OPTION

SALARIES

	Field	Office	Field Dates
S. McAllister	3.5	26.0	Sept. 15-18, 24-25, Oct. 11
D. Duba	24.0	1.0	Sept. 13 - Oct. 21, Oct. 27
J. Begges	25.0		Sept. 15-23, Sept. 25 - Oct. 27
T. Zanger	3.0		Oct. 27-29
J. Getsinger		13.5	
K. Niggemann		3.0	
J. Donnelly		4.0	
J. Burgoyne		4.0	
	55.5	51.5	

107 days @ $209 $ 22,363.00

DISBURSEMENTS

Rocks (Rush Au & 32 element ICP)		169 @ $23.10	3,903.90
Rocks (Au & 32 element ICP)		152 @ $17.75	2,698.00
Whole rock analysis		8 @ $23.50	188.00
Rocks (Rush prep & Au, 32 element ICP)		89 @ $25.24	2,256.15
Sludges (Au)		32 @ $10.75	344.00
Thin and polished thin sections			171.25
Freight			819.13
Suburban rental	1 month @ $1100		1,100.00
Jimmy rental	0.12 months @ $800		96.00
Car rental (Penticton airport - Keremeos)			62.44
Airline fare (1.5 trips Vancouver - Penticton return)			308.95
Fuel			680.41
Rent			375.00
Telephone			125.69
Mobile radio telephone rental			283.98
Power			47.10
Drafting	40.5 hrs @ $21.36		865.08
Typing			63.42
Supplies & provisions (flagging, sample bags, etc.)			1,445.46
Access fees	27 days @ $80		2,160.00
Compaq 386 rental	7 days @ $25		175.00
Compaq portable II rental	0.95 months @ $500		475.00
Plotter rental	2 days @ $20		40.00
D-6 mobe/demobe	4 hrs @ $57		228.00
Reclamation & road building	33.7 hrs @ $75		2,527.50
Miscellaneous			202.13
Diamond drilling (see attached sheet for detail)	576.99 m @ $98.70		56,947.63
	TOTAL		$ 100,952.22

DIAMOND DRILLING COST

MONTELLO 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	10 hours at non-operating rate @$70	700.00
	4 man hours of extra labour @$26	104.00

DRILLING

DDH 88-3	490' @$17.90	8,771.00
	116' @$18.40	2,134.00
DDH 88-4	490' @$17.90	8,771.00
	487' @$18.40	8,960.80
DDH 88-8	290' @$17.90	5,191.00

DRILL MOVES AND SET UP

DDH 88-3	12 hours at operating rate @$80	960.00
	21 hours at non-operating rate @$70	1,470.00
DDH 88-4	13 hours at operating rate @$80	1,040.00
	6 hours at non-operating rate @$70	420.00
DDH 88-8	2.5 hours at operating rate @$80	200.00
	10 hours at non-operating rate @$70	700.00

WATER TRUCK

10,901.10

OTHER

D-6 Cat	18 hours @$75	1,350.00
Core boxes, mud products, etc.		2,794.67
Bits, casing shoes		306.66
	TOTAL	$ 56,947.63

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.
MINERALS STAFF
900 - 1055 W. HASTINGS ST.
VANCOUVER, B.C.
V6E 2E9
Project : M 579
Comments: CC: SANDY McALLISTER

Page No. : 1
Tot. Pages : 1
Date : 15-NOV-88
Invoice # : I-8826359
P.O. # : 27103

CERTIFICATE OF ANALYSIS A8826359

SAMPLE DESCRIPTION	PREP CODE		SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	BaO %	LOI %	TOTAL %	
88-4 12.23	205	232	61.93	12.74	6.30	1.67	9.92	1.90	2.83	0.69	1.64	0.06	0.13	1.25	101.05	
88-4 20.00	205	232	49.70	11.49	3.07	6.57	20.98	0.22	0.58	0.48	0.21	0.18	< 0.01	5.71	99.21	
88-4 26.80	205	232	64.14	11.68	4.71	3.09	9.42	1.78	2.82	0.52	0.43	0.08	0.19	0.37	99.24	
88-4 35.90	205	232	58.75	16.57	4.95	3.62	5.87	4.72	3.31	0.62	0.31	0.05	0.29	0.42	99.49	
88-4 41.80	205	232	51.40	16.87	6.94	3.52	14.96	2.50	1.83	0.49	0.19	0.18	0.17	0.54	99.61	
88-4 54.20	205	232	49.77	9.39	12.28	3.54	19.23	2.35	0.35	0.36	0.18	0.40	0.01	2.44	100.30	
88-4 185.70	205	232	48.84	18.82	7.29	4.99	12.53	3.30	1.25	0.71	0.23	0.06	0.13	1.89	100.05	
88-4 191.50	205	232	52.29	19.11	4.97	2.66	9.68	4.21	3.34	0.44	0.27	0.04	0.35	1.58	98.95	

CERTIFICATION : B. Caughlin

Chemex Labs Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 BROOKSBANK AVE., NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1
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To : CHEVRON CANADA RESOURCES LTD.
NERALS STAFF
00 - 1055 W. HASTINGS ST.
VANCOUVER, B.C.
V6E 2E9
Project : M579
Comments: CC: S. McALLISTER

Page No. :1
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
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400003	205	---	< 5
400004	205	---	5
400005	205	---	15
400006	205	---	< 5
400007	205	---	< 5

88-4 (M)

SLUDGES - 88-

CERTIFICATION : Mark Vinh

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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

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

Project : M 579
Comments: CC: S. MCALLISTER

Page No. : 1
Tot. Pages: 4
Date : 19-OCT-88
Invoice # : I-8825503
P.O. # : 30608

CERTIFICATE OF ANALYSIS A8825503

SAMPLE DESCRIPTION	PREP CODE	Au ppb RUSH	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
359751	255 238	< 5	2.29	0.6	160	50	< 0.5	< 2	2.03	< 0.5	19	88	280	3.16	< 10	< 1	0.07	10	0.09	100
359752	255 238	< 5	2.21	0.4	60	90	< 0.5	< 2	4.27	< 0.5	9	68	60	0.97	< 10	< 1	0.12	< 10	0.20	281
359753	255 238	< 5	1.58	0.2	110	80	< 0.5	2	10.65	1.0	9	38	14	0.39	< 10	< 1	0.12	< 10	0.10	358
359754	255 238	< 5	2.68	0.4	10	110	< 0.5	2	8.49	1.0	8	51	101	1.69	< 10	< 1	0.12	< 10	0.11	232
359755	255 238	< 5	2.40	0.6	155	40	< 0.5	2	7.14	0.5	9	58	72	1.22	< 10	< 1	0.08	< 10	0.29	182
359756	255 238	< 5	3.21	0.2	110	90	< 0.5	< 2	5.01	< 0.5	6	51	29	0.57	< 10	1	0.11	< 10	0.24	181
359757	255 238	55	2.72	0.2	495	100	< 0.5	2	8.86	< 0.5	9	40	90	1.12	< 10	< 1	0.11	< 10	0.71	314
359758	255 238	5	2.81	0.2	125	110	< 0.5	2	7.66	< 0.5	8	30	33	0.56	< 10	1	0.15	< 10	0.77	324
359759	255 238	< 5	1.95	0.2	150	150	< 0.5	< 2	2.15	< 0.5	13	60	11	0.32	10	< 1	0.11	10	0.12	63
359760	255 238	< 5	2.10	0.2	80	90	< 0.5	< 2	1.60	< 0.5	16	38	111	2.74	< 10	3	0.14	10	1.12	208
359761	255 238	< 5	1.99	0.2	15	80	< 0.5	< 2	1.49	< 0.5	15	64	179	2.47	< 10	< 1	0.13	10	0.38	95
359762	255 238	< 5	1.26	0.2	55	90	< 0.5	< 2	1.32	< 0.5	18	37	196	2.18	< 10	< 1	0.07	10	0.14	73
359763	255 238	< 5	3.26	0.2	155	100	< 0.5	< 2	2.31	< 0.5	28	47	250	3.30	< 10	< 1	0.11	< 10	0.22	72
359764	255 238	< 5	1.89	0.4	10	160	< 0.5	< 2	1.23	< 0.5	28	22	217	6.14	< 10	< 1	0.27	10	0.73	142
359765	255 238	< 5	1.34	0.2	60	110	< 0.5	< 2	1.02	< 0.5	18	36	161	3.27	< 10	1	0.24	10	0.43	100
359766	255 238	< 5	1.37	0.2	20	140	< 0.5	< 2	1.01	< 0.5	11	47	99	2.02	< 10	< 1	0.39	10	0.62	128
359767	255 238	< 5	1.48	0.2	195	160	< 0.5	< 2	1.17	< 0.5	7	55	65	1.74	< 10	< 1	0.27	10	0.40	109
359768	255 238	10	1.61	0.2	5	100	< 0.5	< 2	1.29	< 0.5	3	49	20	0.50	< 10	< 1	0.12	10	0.12	64
359769	255 238	< 5	1.71	0.2	40	90	< 0.5	< 2	1.47	< 0.5	8	82	91	1.54	< 10	< 1	0.15	10	0.22	96
359770	255 238	< 5	1.38	0.2	40	50	< 0.5	< 2	1.53	< 0.5	7	31	113	1.51	< 10	< 1	0.06	10	0.08	67
359771	255 238	< 5	1.22	0.6	10	140	1.0	< 2	1.72	0.5	18	42	303	3.61	< 10	< 1	0.21	10	0.49	154
359772	255 238	< 5	1.88	0.2	40	140	1.0	2	1.98	< 0.5	16	39	161	2.99	< 10	< 1	0.39	< 10	0.70	198
359773	255 238	< 5	1.24	0.2	20	80	< 0.5	< 2	1.22	< 0.5	15	39	135	2.09	< 10	< 1	0.12	10	0.16	95
359774	255 238	< 5	1.37	0.2	50	110	0.5	< 2	1.56	< 0.5	8	31	48	1.41	< 10	< 1	0.19	10	0.31	123
359775	255 238	< 5	4.88	0.4	35	410	1.5	2	2.60	< 0.5	15	66	126	4.29	10	< 1	1.33	< 10	1.81	261
359776	255 238	< 5	1.34	0.4	15	110	0.5	< 2	1.93	< 0.5	12	44	110	2.42	< 10	< 1	0.13	< 10	0.12	90
359777	255 238	< 5	1.92	0.6	10	50	1.0	2	5.58	1.5	12	40	103	1.87	< 10	< 1	0.07	< 10	0.12	133
359778	255 238	< 5	1.32	0.4	25	40	< 0.5	2	>15.00	3.0	9	14	29	0.88	< 10	< 1	0.07	< 10	0.07	286
359779	255 238	< 5	0.14	0.2	< 5	20	< 0.5	6	>15.00	< 0.5	< 1	< 1	1	0.13	< 10	< 1	< 0.01	< 10	0.11	290
359780	255 238	< 5	1.39	0.2	10	60	< 0.5	< 2	2.10	< 0.5	8	41	41	1.08	< 10	< 1	0.09	10	0.10	55
359781	255 238	< 5	1.67	0.4	25	150	< 0.5	2	4.67	0.5	15	80	54	2.36	< 10	< 1	0.58	< 10	0.84	212
359782	255 238	< 5	3.04	0.4	10	60	0.5	< 2	3.05	< 0.5	8	45	57	1.44	< 10	1	0.10	< 10	0.11	66
359783	255 238	< 5	3.38	0.2	35	570	< 0.5	< 2	1.48	< 0.5	23	107	80	3.99	< 10	< 1	1.06	10	2.02	235
359784	255 238	< 5	3.17	0.2	30	290	< 0.5	< 2	1.71	0.5	21	69	105	3.80	< 10	< 1	0.92	10	2.13	187
359785	255 238	< 5	2.70	1.6	10	100	< 0.5	< 2	2.70	< 0.5	17	63	125	3.34	< 10	3	0.29	< 10	0.55	105
359786	255 238	< 5	2.12	0.8	< 5	60	< 0.5	< 2	2.51	0.5	7	57	65	1.61	< 10	2	0.10	< 10	0.11	74
359787	255 238	< 5	1.45	0.6	15	100	< 0.5	< 2	2.00	0.5	14	79	98	2.44	< 10	< 1	0.15	10	0.24	140
359788	255 238	< 5	1.80	0.4	15	110	< 0.5	2	1.85	< 0.5	14	57	89	1.96	< 10	< 1	0.11	10	0.12	89
359789	255 238	< 5	1.36	0.6	15	80	0.5	< 2	2.06	1.5	12	63	96	1.77	< 10	< 1	0.12	10	0.19	76
359790	255 238	< 5	1.61	1.0	15	90	0.5	< 2	2.02	< 0.5	12	53	135	1.71	< 10	< 1	0.08	10	0.06	79

CERTIFICATION : B. Caughlin

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BRITISH COLUMBIA, CANADA V7J-2C1

PHONE (604) 984-0221

To : [redacted]VRON CANADA RESOURCES LTD.
[redacted]NERALS STAFF
1900 - 1055 W. HASTINGS ST.
VANCOUVER, B.C.
V6E 2E9

Project : M 579
Comments: CC: S MCALLISTER

Page No. : 1
Tot. Pages: 4
Date : 19-OCT-88
Invoice # : I-8825503
P.O. # : 30608

CERTIFICATE OF ANALYSIS A8825503

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
359751	255 238	3	0.23	28	1120	6	5	1	98	0.11	< 10	< 10	18	< 5	24
359752	255 238	7	0.22	28	1370	70	5	1	140	0.11	< 10	< 10	32	< 5	45
359753	255 238	3	0.28	18	1710	14	10	1	201	0.09	< 10	< 10	22	< 5	81
359754	255 238	9	0.35	38	1980	4	10	1	263	0.14	< 10	< 10	33	< 5	84
359755	255 238	8	0.19	38	2290	2	10	1	170	0.12	< 10	< 10	36	< 5	81
359756	255 238	3	0.49	15	860	14	5	2	318	0.13	< 10	< 10	30	< 5	62
359757	255 238	3	0.35	21	1780	6	10	2	284	0.11	< 10	< 10	31	< 5	41
359758	255 238	1	0.40	21	950	6	5	1	253	0.20	< 10	< 10	25	< 5	30
359759	255 238	2	0.35	32	920	< 2	5	1	245	0.24	< 10	< 10	28	< 5	13
359760	255 238	2	0.14	20	910	2	5	5	95	0.19	< 10	< 10	77	< 5	34
359761	255 238	2	0.25	27	1060	< 2	10	2	125	0.17	< 10	< 10	47	< 5	24
359762	255 238	5	0.19	23	1140	6	5	1	107	0.19	< 10	< 10	25	< 5	20
359763	255 238	1	0.42	25	1050	8	5	1	269	0.18	< 10	< 10	35	< 5	23
359764	255 238	2	0.21	12	1000	26	10	2	107	0.18	< 10	< 10	93	< 5	38
359765	255 238	1	0.23	15	910	4	5	2	90	0.18	< 10	< 10	58	< 5	24
359766	255 238	3	0.17	18	1030	< 2	< 5	3	87	0.20	< 10	< 10	67	< 5	34
359767	255 238	1	0.28	14	950	80	15	2	109	0.17	< 10	< 10	49	< 5	24
359768	255 238	< 1	0.30	7	690	8	5	1	128	0.14	< 10	< 10	15	< 5	22
359769	255 238	4	0.26	16	900	8	5	2	106	0.14	< 10	< 10	23	< 5	27
359770	255 238	2	0.25	19	1510	6	10	1	109	0.11	< 10	< 10	17	< 5	24
359771	255 238	2	0.17	20	1440	8	10	2	144	0.18	< 10	< 10	61	< 5	35
359772	255 238	1	0.26	16	1170	< 2	< 5	5	174	0.15	< 10	< 10	68	< 5	43
359773	255 238	2	0.23	15	1310	24	10	1	114	0.12	< 10	< 10	25	< 5	30
359774	255 238	5	0.26	14	1290	10	10	1	123	0.16	< 10	< 10	33	< 5	32
359775	255 238	1	0.27	20	1220	< 2	15	12	203	0.27	< 10	< 10	150	< 5	67
359776	255 238	3	0.19	24	1240	< 2	5	1	99	0.17	< 10	< 10	25	< 5	20
359777	255 238	4	0.24	26	1210	22	10	1	147	0.14	< 10	< 10	18	< 5	102
359778	255 238	6	0.27	19	1930	16	10	< 1	317	0.09	< 10	< 10	8	< 5	222
359779	255 238	< 1	0.01	< 1	2490	40	15	< 1	350	< 0.01	< 10	< 10	< 1	< 5	4
359780	255 238	4	0.34	25	1210	2	5	1	111	0.15	< 10	< 10	14	< 5	18
359781	255 238	5	0.26	46	970	4	10	5	129	0.20	< 10	< 10	59	< 5	108
359782	255 238	3	0.47	24	1280	8	< 5	1	252	0.15	< 10	< 10	14	< 5	24
359783	255 238	2	0.34	42	560	< 2	5	10	164	0.36	< 10	< 10	144	< 5	98
359784	255 238	1	0.30	18	360	< 2	10	10	164	0.28	< 10	< 10	136	< 5	83
359785	255 238	5	0.47	37	930	8	10	4	218	0.22	< 10	< 10	52	< 5	35
359786	255 238	5	0.40	30	1310	6	10	1	152	0.19	< 10	< 10	20	< 5	38
359787	255 238	5	0.21	42	1130	14	5	1	85	0.18	< 10	< 10	26	< 5	75
359788	255 238	2	0.33	29	1060	2	5	1	154	0.17	< 10	< 10	22	< 5	27
359789	255 238	3	0.24	29	1140	< 2	5	1	98	0.20	< 10	< 10	31	< 5	112
359790	255 238	5	0.26	27	990	< 2	5	1	136	0.16	< 10	< 10	15	< 5	18

CERTIFICATION : B. Caglioni

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.
MINERALS STAFF
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V6E 2E9
Project : M 579
Comments: CC: S. MCALLISTER

Date : 19-OCT-88
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CERTIFICATE OF ANALYSIS A8825503

SAMPLE DESCRIPTION	PREP CODE	Au ppb RUSH	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
359791	255 238	< 5	2.59	0.6	< 5	150	< 0.5	2	2.72	0.5	15	36	64	2.06	< 10	< 1	0.25	< 10	0.41	59
359792	255 238	< 5	0.93	0.6	< 5	100	< 0.5	< 2	1.22	< 0.5	14	56	47	2.22	< 10	< 1	0.08	10	0.07	56
359793	255 238	< 5	1.72	0.6	< 5	40	< 0.5	2	1.53	0.5	16	37	84	2.75	< 10	< 1	0.05	10	0.08	54
359794	255 238	< 5	0.78	0.8	15	80	< 0.5	< 2	1.51	0.5	16	58	153	3.10	< 10	< 1	0.08	10	0.11	76
359795	255 238	50	1.17	0.6	1440	70	< 0.5	2	7.65	0.5	21	35	98	2.05	< 10	< 1	0.07	< 10	0.05	263
359796	255 238	< 5	1.07	0.6	10	50	< 0.5	< 2	8.83	2.0	8	44	56	0.97	< 10	< 1	0.08	< 10	0.09	223
359797	255 238	< 5	1.49	0.4	20	50	< 0.5	2	3.70	0.5	7	59	25	0.62	< 10	< 1	0.07	< 10	0.06	85
359798	255 238	< 5	0.93	0.4	45	40	< 0.5	< 2	9.62	1.0	9	35	24	0.55	< 10	< 1	0.04	< 10	0.03	183
359799	255 238	< 5	0.74	0.6	10	50	< 0.5	2	3.78	0.5	8	65	50	1.07	< 10	< 1	0.06	< 10	0.10	80
359800	255 238	< 5	0.73	0.6	5	40	< 0.5	< 2	4.89	0.5	6	63	40	0.92	< 10	< 1	0.04	< 10	0.04	93
359801 88-4	255 238	< 5	0.84	0.6	50	30	< 0.5	2	7.40	9.5	9	67	62	1.22	< 10	< 1	0.03	< 10	0.03	285
359802	255 238	25	0.87	0.8	195	40	< 0.5	2	7.22	2.0	9	50	46	0.96	< 10	< 1	0.04	< 10	0.03	194
359803 M	255 238	135	0.88	1.6	1370	30	< 0.5	< 2	5.60	2.5	14	39	113	1.77	< 10	< 1	0.03	< 10	0.03	199
359804	255 238	< 5	0.60	0.4	80	30	< 0.5	< 2	6.96	13.0	8	39	10	0.62	< 10	< 1	0.03	< 10	0.03	384
359805	255 238	10	0.68	0.8	30	30	< 0.5	2	5.04	2.5	8	40	14	1.22	< 10	1	0.03	< 10	0.03	298
359806	255 238	35	2.85	0.6	165	60	< 0.5	4	5.28	< 0.5	17	39	79	2.77	< 10	< 1	0.16	< 10	0.19	128
359807	255 238	< 5	0.87	0.4	10	50	< 0.5	< 2	1.09	< 0.5	8	43	69	1.72	< 10	< 1	0.08	10	0.10	68
359808	255 238	< 5	1.17	0.2	25	510	< 0.5	2	0.78	< 0.5	16	53	96	2.79	< 10	< 1	0.62	10	0.88	172
359809	255 238	< 5	1.76	0.2	10	220	< 0.5	< 2	1.15	< 0.5	12	36	80	2.09	< 10	< 1	0.38	10	0.59	105
359810	255 238	< 5	5.19	0.2	< 5	860	0.5	< 2	1.68	0.5	18	55	48	3.20	10	< 1	1.50	< 10	2.55	178
359811	255 238	< 5	4.68	0.2	< 5	450	0.5	4	1.92	0.5	26	49	91	3.91	10	< 1	1.06	< 10	2.01	136
359812	255 238	75	2.90	0.4	380	190	< 0.5	< 2	2.23	< 0.5	19	28	111	3.75	< 10	< 1	0.24	< 10	0.54	94
359814	255 238	20	2.39	0.2	15	530	0.5	6	0.72	< 0.5	15	54	103	4.99	10	1	1.27	10	2.16	222
359815	255 238	< 5	1.68	0.8	145	50	< 0.5	< 2	3.13	< 0.5	11	76	145	2.19	< 10	< 1	0.08	< 10	0.18	86
359816	255 238	< 5	1.04	2.2	5	40	< 0.5	2	8.75	2.0	8	36	50	0.75	< 10	< 1	0.03	< 10	0.04	173
359817	255 238	< 5	0.57	3.0	< 5	60	< 0.5	2	11.30	2.0	9	41	44	0.70	< 10	< 1	0.03	< 10	0.06	266
359818	255 238	< 5	0.51	2.4	5	60	< 0.5	4	10.45	1.5	9	27	48	0.91	< 10	< 1	0.04	< 10	0.08	259
359819	255 238	< 5	1.13	2.0	80	60	< 0.5	4	10.90	16.0	9	43	92	0.91	< 10	< 1	0.06	< 10	0.08	306
359820	255 238	< 5	1.82	0.8	135	50	< 0.5	6	4.17	< 0.5	13	85	60	2.20	< 10	< 1	0.20	< 10	0.66	186
359821	255 238	30	1.19	0.4	675	50	< 0.5	4	5.17	0.5	19	58	51	1.57	< 10	2	0.05	< 10	0.06	135
359822	255 238	10	1.19	0.4	120	50	< 0.5	< 2	2.27	< 0.5	12	50	66	1.84	< 10	1	0.06	< 10	0.09	48
359823	255 238	< 5	0.81	0.2	75	40	< 0.5	< 2	1.64	0.5	9	51	41	1.01	< 10	< 1	0.05	10	0.06	35
359824	255 238	< 5	1.08	0.4	50	80	0.5	4	1.50	0.5	15	57	75	3.20	< 10	< 1	0.17	10	0.27	48
359825	255 238	10	0.87	0.4	150	70	0.5	< 2	2.29	< 0.5	15	70	69	2.19	< 10	< 1	0.09	< 10	0.11	96
359826	255 238	< 5	1.57	0.8	60	80	0.5	< 2	1.39	< 0.5	16	73	174	3.17	< 10	1	0.23	10	0.34	39
359827	255 238	105	1.56	0.6	875	90	< 0.5	2	5.11	2.5	15	79	92	1.68	< 10	< 1	0.25	< 10	0.45	143
359828	255 238	10	1.33	1.2	190	40	0.5	< 2	3.98	28.0	8	53	193	0.67	< 10	1	0.05	< 10	0.04	91
359829	255 238	20	2.06	2.2	40	80	0.5	2	5.44	39.5	8	91	344	1.33	< 10	2	0.08	< 10	0.07	113
359830	255 238	30	1.54	1.6	75	40	0.5	< 2	11.25	10.5	6	54	160	0.77	< 10	< 1	0.07	< 10	0.05	130
359831	255 238	40	1.05	0.6	135	60	< 0.5	< 2	8.97	0.5	6	48	50	0.68	< 10	< 1	0.06	< 10	0.06	160

CERTIFICATION : B. Caughlin

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Page No. : 2[redacted]
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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
359791	255	238	3	0.28	25	960	10	5	1	236	0.10	< 10	< 10	20	< 5	49
359792	255	238	6	0.24	36	1230	6	5	1	104	0.12	< 10	< 10	20	< 5	17
359793	255	238	4	0.35	19	1220	16	5	1	198	0.14	< 10	< 10	25	< 5	64
359794	255	238	3	0.19	27	950	12	5	1	84	0.13	< 10	< 10	24	< 5	46
359795	255	238	3	0.23	32	1270	8	5	1	167	0.08	< 10	< 10	10	< 5	32
359796	255	238	1	0.23	20	1120	8	5	< 1	226	0.08	< 10	< 10	14	< 5	96
359797	255	238	2	0.30	22	1420	4	5	1	142	0.14	< 10	< 10	13	< 5	35
359798	255	238	3	0.20	23	1700	14	5	< 1	232	0.08	< 10	< 10	10	< 5	46
359799	255	238	5	0.16	34	1220	< 2	5	1	120	0.10	< 10	< 10	27	< 5	30
359800	255	238	4	0.13	26	680	6	5	1	126	0.10	< 10	< 10	14	< 5	40
359801 88-4	255	238	13	0.14	52	1340	8	5	1	125	0.08	< 10	< 10	27	< 5	716
359802	255	238	8	0.17	31	2240	6	10	1	116	0.07	< 10	< 10	14	< 5	132
359803 M	255	238	6	0.24	28	1260	14	5	< 1	118	0.08	< 10	< 10	9	< 5	174
359804	255	238	5	0.17	16	960	12	5	< 1	78	0.08	< 10	< 10	7	< 5	881
359805	255	238	6	0.18	23	960	4	5	< 1	83	0.09	< 10	< 10	7	< 5	174
359806	255	238	2	0.35	24	1000	< 2	10	1	309	0.10	< 10	< 10	20	< 5	29
359807	255	238	2	0.27	27	1150	4	5	1	108	0.10	< 10	< 10	16	< 5	20
359808	255	238	3	0.22	30	1170	< 2	5	5	71	0.18	< 10	< 10	73	< 5	34
359809	255	238	2	0.23	25	860	2	< 5	3	130	0.14	< 10	< 10	54	< 5	19
359810	255	238	< 1	0.49	12	220	< 2	10	22	172	0.18	< 10	< 10	274	< 5	45
359811	255	238	< 1	0.46	16	180	< 2	10	15	173	0.15	< 10	< 10	180	< 5	39
359812	255	238	2	0.29	12	810	4	10	2	202	0.12	< 10	< 10	48	< 5	32
359814	255	238	2	0.21	45	770	< 2	5	15	81	0.27	< 10	< 10	182	< 5	44
359815	255	238	6	0.21	44	1050	6	10	2	95	0.17	< 10	< 10	37	< 5	35
359816	255	238	7	0.13	24	950	42	5	< 1	65	0.08	< 10	< 10	11	< 5	66
359817	255	238	5	0.23	20	1040	62	5	1	109	0.09	< 10	< 10	10	< 5	16
359818	255	238	7	0.23	20	1050	62	5	1	94	0.09	< 10	< 10	12	< 5	17
359819	255	238	6	0.26	23	1200	28	5	1	149	0.10	< 10	< 10	15	< 5	1030
359820	255	238	6	0.27	38	1240	16	10	5	143	0.22	< 10	< 10	72	< 5	43
359821	255	238	13	0.22	39	1490	< 2	10	1	91	0.13	< 10	< 10	17	< 5	38
359822	255	238	7	0.15	35	990	6	5	1	75	0.15	< 10	< 10	18	< 5	30
359823	255	238	6	0.24	27	910	8	5	1	91	0.10	< 10	< 10	12	< 5	30
359824	255	238	8	0.19	42	1010	10	5	2	106	0.13	< 10	< 10	33	< 5	29
359825	255	238	6	0.13	37	1030	< 2	5	1	71	0.12	< 10	< 10	20	< 5	34
359826	255	238	6	0.34	42	960	< 2	5	2	158	0.17	< 10	< 10	42	< 5	23
359827	255	238	7	0.27	41	1170	2	10	3	190	0.12	< 10	< 10	31	< 5	190
359828	255	238	31	0.18	47	1410	24	5	1	118	0.09	< 10	< 10	43	< 5	2220
359829	255	238	36	0.15	51	2060	58	10	1	121	0.14	< 10	< 10	52	< 5	3180
359830	255	238	9	0.24	31	2410	18	15	< 1	377	0.07	< 10	< 10	22	< 5	827
359831	255	238	3	0.17	25	2240	6	10	< 1	339	0.06	< 10	< 10	8	< 5	63

CERTIFICATION : B. Cargill

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SAMPLE DESCRIPTION	PREP CODE		Au ppb RUSH	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
359832		255 238	20	1.29	0.4	110	40	0.5	< 2	6.61	0.5	6	55	21	0.27	< 10	2	0.10	< 10	0.10	95
359833		255 238	20	1.08	0.8	210	50	< 0.5	2	8.16	0.5	9	52	29	0.44	< 10	1	0.07	< 10	0.09	127
359834		255 238	< 5	0.77	1.2	60	70	< 0.5	< 2	4.37	< 0.5	8	95	89	1.12	< 10	1	0.15	< 10	0.28	85
359835		255 238	< 5	1.00	0.6	90	90	< 0.5	< 2	1.39	< 0.5	5	80	32	0.51	< 10	3	0.14	20	0.19	78
359836		255 238	5	0.91	0.6	65	80	< 0.5	2	5.33	< 0.5	5	72	31	0.43	< 10	< 1	0.09	< 10	0.11	123
359837		255 238	10	1.09	0.8	60	70	< 0.5	< 2	4.62	< 0.5	6	61	49	0.58	< 10	2	0.10	< 10	0.11	103
359838		255 238	< 5	0.98	0.4	65	40	< 0.5	2	8.30	< 0.5	8	48	70	0.64	< 10	< 1	0.08	< 10	0.09	135
359839		255 238	15	2.48	0.4	140	50	0.5	< 2	10.05	0.5	7	35	46	0.53	< 10	< 1	0.13	< 10	0.09	233
359840		255 238	5	4.49	0.8	35	180	0.5	< 2	3.22	< 0.5	27	33	97	4.65	< 10	< 1	0.25	< 10	0.64	90
359841		255 238	< 5	2.13	0.6	20	160	< 0.5	< 2	1.78	< 0.5	15	33	44	3.55	< 10	1	0.27	10	0.77	101
359842	88-4	255 238	< 5	2.21	1.0	20	150	< 0.5	< 2	1.53	< 0.5	18	31	74	3.73	< 10	1	0.33	10	0.77	95
359843		255 238	15	1.89	2.2	25	70	0.5	4	10.00	2.0	8	56	114	1.30	< 10	< 1	0.10	< 10	0.09	160
359844		255 238	< 5	0.81	2.0	15	40	0.5	4	>15.00	1.5	8	42	49	1.04	< 10	1	0.05	< 10	0.09	168
359845	M	255 238	< 5	0.64	2.2	10	30	< 0.5	4	>15.00	1.5	7	27	42	1.25	< 10	< 1	0.06	< 10	0.15	139
359846		255 238	< 5	0.87	2.8	5	60	< 0.5	2	8.22	3.0	8	75	58	1.75	< 10	< 1	0.07	< 10	0.46	155
359847		255 238	10	1.48	2.6	20	50	0.5	2	12.35	3.0	7	38	59	1.19	< 10	1	0.08	< 10	0.39	135
359848		255 238	15	0.86	3.0	15	30	< 0.5	4	>15.00	1.0	7	26	52	0.79	< 10	< 1	0.04	< 10	0.16	105
359849		255 238	< 5	1.04	2.0	20	40	0.5	2	10.35	1.5	7	46	63	1.12	< 10	< 1	0.05	< 10	0.49	97
359850		255 238	20	0.62	2.4	25	20	< 0.5	2	12.85	1.5	6	34	63	0.83	< 10	< 1	0.04	< 10	0.18	97
359851		255 238	5	1.04	2.0	20	70	0.5	2	13.65	1.0	6	45	61	1.00	< 10	< 1	0.04	< 10	0.48	186
359852		255 238	10	2.40	2.0	25	80	0.5	2	2.31	< 0.5	13	37	46	2.79	< 10	< 1	0.15	< 10	0.42	86
359853		255 238	20	0.68	2.8	20	20	< 0.5	< 2	8.96	1.0	6	67	88	1.07	< 10	< 1	0.02	< 10	0.37	138
359854		255 238	5	0.71	2.4	20	20	< 0.5	2	14.45	1.0	6	29	65	0.77	< 10	1	0.04	< 10	0.11	111
359855		255 238	10	1.11	2.8	< 5	20	0.5	4	10.40	3.5	9	75	85	1.35	< 10	1	0.06	< 10	0.15	151
359856		255 238	< 5	0.44	2.8	< 5	10	< 0.5	6	>15.00	1.5	6	20	58	0.68	< 10	< 1	0.02	< 10	0.06	334
359857		255 238	15	0.88	3.6	25	30	< 0.5	6	12.60	5.0	7	53	97	0.90	20	< 1	0.06	< 10	0.10	182
359858		255 238	< 5	0.59	0.8	35	20	< 0.5	4	>15.00	0.5	4	12	31	0.35	30	< 1	0.03	< 10	0.09	167
359859		255 238	30	1.02	2.8	80	30	< 0.5	< 2	8.42	18.5	7	62	115	1.22	10	< 1	0.06	< 10	0.13	167
359860		255 238	5	1.08	1.6	35	40	< 0.5	4	9.59	1.5	6	43	80	0.95	20	< 1	0.07	< 10	0.31	190
359861		255 238	< 5	0.73	1.6	10	20	< 0.5	< 2	13.00	0.5	3	43	60	0.82	20	< 1	0.04	< 10	0.08	147
359862		255 238	< 5	0.71	1.4	45	30	< 0.5	6	12.10	1.5	4	44	68	1.03	20	< 1	0.07	< 10	0.11	570
359863		255 238	< 5	0.79	0.6	45	30	< 0.5	< 2	14.05	< 0.5	3	26	32	0.33	20	1	0.06	< 10	0.11	135
359864		255 238	< 5	0.82	1.2	30	30	< 0.5	< 2	13.55	1.5	4	32	63	0.88	20	< 1	0.05	< 10	0.09	241
359865		255 238	5	1.51	1.4	40	50	< 0.5	4	12.10	< 0.5	7	30	68	1.18	20	< 1	0.09	< 10	0.12	148
359866		255 238	15	1.31	1.8	45	50	< 0.5	< 2	>15.00	0.5	7	40	93	1.48	20	< 1	0.07	< 10	0.13	151
359867		255 238	5	0.65	1.2	55	30	< 0.5	< 2	>15.00	1.0	2	25	51	0.58	20	< 1	0.05	< 10	0.07	174
359868		255 238	10	0.51	1.8	60	20	< 0.5	< 2	>15.00	1.0	3	26	42	0.53	20	< 1	0.04	< 10	0.56	150
359869		255 238	10	0.67	2.0	65	30	< 0.5	< 2	>15.00	1.0	3	23	55	0.67	20	< 1	0.05	< 10	0.22	156
359870		255 238	< 5	0.82	2.0	45	30	< 0.5	< 2	>15.00	1.0	5	28	54	0.99	20	< 1	0.07	< 10	0.06	214
359871		255 238	< 5	1.23	1.4	70	30	< 0.5	< 2	13.05	1.5	6	26	77	1.08	20	< 1	0.08	< 10	0.06	161

CERTIFICATION : B. Caughlin

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.
MINERALS STAFF
1900 - 1055 W. HASTINGS ST.
VANCOUVER, B.C.
V6E 2E9
Project : M 579
Comments: CC: S. MCALLISTER

Page No. : 3
Tot. Pages: 4
Date : 19-OCT-88
Invoice # : I-8825503
P.O. # : 30608

CERTIFICATE OF ANALYSIS A8825503

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
359832	255	238	9	0.31	27	2100	< 2	10	< 1	339	0.07	< 10	< 10	16	< 5	46
359833	255	238	32	0.27	48	1920	10	5	1	322	0.07	< 10	< 10	36	< 5	15
359834	255	238	19	0.20	26	1140	8	5	1	227	0.12	< 10	< 10	34	< 5	15
359835	255	238	2	0.32	20	1340	8	5	1	210	0.12	< 10	< 10	22	< 5	10
359836	255	238	2	0.33	20	2070	4	5	1	238	0.10	< 10	< 10	17	< 5	9
359837	255	238	2	0.32	26	1780	8	5	1	255	0.10	< 10	< 10	18	< 5	22
359838	255	238	5	0.24	28	1620	12	5	1	326	0.08	< 10	< 10	21	< 5	15
359839	255	238	18	0.35	26	2290	6	5	1	315	0.09	< 10	< 10	21	< 5	26
359840	255	238	2	0.62	13	760	2	< 5	2	639	0.17	< 10	< 10	48	< 5	24
359841	255	238	1	0.25	7	630	< 2	5	3	166	0.14	< 10	< 10	58	< 5	21
359842	255	238	2	0.28	9	650	< 2	< 5	2	204	0.14	< 10	< 10	57	< 5	21
359843	255	238	10	0.34	41	3720	26	10	1	407	0.08	< 10	< 10	20	< 5	116
359844	255	238	2	0.18	33	2560	22	10	1	553	0.05	< 10	< 10	16	< 5	85
359845	255	238	2	0.14	28	1530	20	10	1	438	0.06	< 10	< 10	19	< 5	95
359846	255	238	4	0.17	43	2200	28	10	1	313	0.11	< 10	< 10	47	< 5	177
359847	255	238	125	0.29	58	2460	42	10	1	595	0.07	< 10	< 10	28	< 5	212
359848	255	238	12	0.17	47	1470	68	10	1	652	0.04	< 10	< 10	16	< 5	102
359849	255	238	2	0.21	35	1650	20	10	1	430	0.07	< 10	< 10	16	< 5	144
359850	255	238	4	0.10	30	1650	70	10	1	420	0.03	< 10	< 10	9	< 5	165
359851	255	238	2	0.11	33	2410	18	10	2	631	0.04	< 10	< 10	27	< 5	116
359852	255	238	1	0.34	10	620	12	5	1	214	0.11	< 10	< 10	29	< 5	22
359853	255	238	2	0.09	47	3130	18	10	1	206	0.05	< 10	< 10	27	< 5	103
359854	255	238	1	0.13	28	1520	16	10	< 1	517	0.05	< 10	< 10	7	< 5	82
359855	255	238	6	0.18	55	1430	12	10	1	362	0.09	< 10	< 10	33	< 5	192
359856	255	238	3	0.12	30	1050	20	15	< 1	936	0.03	< 10	< 10	12	< 5	86
359857	255	238	12	0.19	68	930	30	10	1	482	0.07	< 10	< 10	53	< 5	287
359858	255	238	< 1	0.09	13	540	10	10	< 1	1070	0.02	< 10	< 10	4	< 5	46
359859	255	238	10	0.14	72	1640	24	10	1	275	0.08	< 10	< 10	43	< 5	1050
359860	255	238	1	0.21	36	1520	26	10	1	426	0.07	< 10	< 10	27	5	103
359861	255	238	< 1	0.21	25	1270	12	10	1	499	0.05	< 10	< 10	5	< 5	43
359862	255	238	1	0.21	25	1850	12	10	1	391	0.06	< 10	< 10	11	< 5	93
359863	255	238	< 1	0.21	18	1490	10	5	1	511	0.05	< 10	< 10	6	< 5	12
359864	255	238	< 1	0.20	23	1990	12	5	1	584	0.05	< 10	< 10	5	< 5	99
359865	255	238	1	0.30	25	1300	20	5	1	677	0.07	< 10	< 10	11	< 5	28
359866	255	238	1	0.20	28	1580	10	10	1	633	0.05	< 10	< 10	11	< 5	64
359867	255	238	1	0.11	19	1470	8	10	1	479	0.03	< 10	< 10	6	< 5	90
359868	255	238	1	0.08	17	1500	< 2	10	1	620	0.02	< 10	< 10	5	5	62
359869	255	238	1	0.13	23	1270	12	10	1	608	0.03	< 10	< 10	5	< 5	86
359870	255	238	1	0.18	26	1530	18	10	1	444	0.03	< 10	< 10	5	5	79
359871	255	238	1	0.27	32	1800	< 2	5	1	501	0.05	< 10	< 10	5	< 5	104

CERTIFICATION : B. Caughlin

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.
MINERALS STAFF
1900 - 1055 W. HASTINGS ST.
VANCOUVER, B.C.
V6E 2E9
Project : M 579
Comments: CC: S. MCALLISTER

Page No. : 4
Tot. Pages: 4
Date : 19-OCT-88
Invoice # : I-8825503
P.O. # : 30608

CERTIFICATE OF ANALYSIS A8825503

SAMPLE DESCRIPTION	PREP CODE		Au ppb RUSH	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
359872	255	238	< 5	1.33	1.0	100	40	< 0.5	< 2	14.45	1.5	6	42	53	0.72	20	< 1	0.10	< 10	0.16	220
359873	255	238	< 5	1.01	1.0	55	30	< 0.5	6	>15.00	1.0	6	33	59	0.92	20	< 1	0.07	< 10	0.10	189
359874	255	238	< 5	0.85	0.8	95	30	< 0.5	< 2	>15.00	2.0	6	30	66	0.84	20	1	0.04	< 10	0.07	288
359875	255	238	< 5	1.05	1.0	135	50	< 0.5	< 2	5.53	1.5	9	64	86	1.20	10	< 1	0.07	< 10	0.14	184
359876	255	238	< 5	0.89	0.8	75	40	< 0.5	< 2	11.90	3.5	7	36	71	0.94	20	1	0.03	< 10	0.12	288
359877	255	238	< 5	1.28	0.8	85	50	< 0.5	< 2	11.55	1.0	6	53	63	1.11	20	< 1	0.09	< 10	0.67	253
359878	255	238	< 5	0.98	0.8	135	40	< 0.5	< 2	9.66	3.5	8	34	83	1.41	10	< 1	0.07	< 10	0.29	245
359879	255	238	< 5	0.96	0.8	85	70	< 0.5	4	11.05	0.5	6	44	57	0.85	20	< 1	0.07	< 10	0.15	248
359880	255	238	< 5	1.00	0.8	65	90	< 0.5	< 2	8.75	1.0	7	66	63	1.10	10	1	0.09	< 10	0.54	261
359881	255	238	< 5	1.15	0.6	15	30	< 0.5	4	>15.00	1.0	4	81	44	0.92	20	< 1	0.09	< 10	0.90	452
359882	255	238	< 5	1.34	0.8	175	50	0.5	4	11.80	2.5	9	81	62	1.02	20	1	0.09	< 10	1.33	380
359883	255	238	< 5	1.16	0.4	30	70	< 0.5	< 2	9.60	< 0.5	7	58	64	1.38	20	< 1	0.06	< 10	0.38	220
359884	255	238	< 5	1.90	1.4	20	180	< 0.5	6	1.95	0.5	23	32	186	4.71	10	< 1	0.25	10	1.23	114
359885	255	238	< 5	2.43	1.8	45	230	< 0.5	2	2.40	< 0.5	21	36	177	4.30	10	< 1	0.29	10	0.90	89
359886	255	238	< 5	3.13	1.0	20	240	< 0.5	< 2	2.66	1.0	19	30	135	2.97	10	< 1	0.34	10	0.82	79
359887	255	238	< 5	3.18	0.8	50	320	< 0.5	< 2	2.36	0.5	18	49	97	2.41	10	< 1	0.44	10	1.03	76
359888	255	238	25	2.44	1.4	10	190	< 0.5	6	2.02	0.5	25	32	155	4.69	10	< 1	0.24	20	1.15	92
359889	255	238	< 5	1.02	0.6	110	60	< 0.5	< 2	3.23	< 0.5	10	90	20	1.62	10	< 1	0.04	20	0.29	149
359890	255	238	10	0.78	0.4	45	60	< 0.5	2	3.44	< 0.5	8	58	50	1.28	10	< 1	0.06	10	0.21	188
359891	255	238	< 5	1.33	0.4	50	80	< 0.5	2	5.54	1.0	6	47	97	1.07	10	< 1	0.12	< 10	0.18	198
359892	255	238	< 5	1.00	0.4	125	50	< 0.5	< 2	10.40	1.5	7	29	76	0.92	20	< 1	0.06	< 10	0.09	288
359893	255	238	< 5	1.75	0.2	85	80	< 0.5	< 2	7.18	< 0.5	5	36	32	0.68	10	1	0.08	< 10	0.14	187
359894	255	238	25	2.01	0.6	30	50	< 0.5	< 2	7.72	1.0	10	28	86	1.89	10	1	0.06	< 10	0.21	189
359895	255	238	< 5	1.50	0.4	85	90	< 0.5	< 2	6.91	0.5	6	66	51	1.03	10	1	0.08	< 10	0.06	244

84-4 M

CERTIFICATION : B. Caughlin

Chemex Labs Ltd.
Analytical Chemists • Geochemists • Registered Assayers
212 BROOKSBANK AVE., NORTH VANCOUVER,
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PHONE (604) 984-0221

To: CHEVRON CANADA RESOURCES LTD.
MINERALS STAFF
1500 - 1055 W. HASTINGS ST.
VANCOUVER, B.C.
V6E 2E9
Project : M 579
Comments: CC: S MCALLISTER

Date : 19-OCT-88
Invoice # : I-8825503
P.O. # : 30608

CERTIFICATE OF ANALYSIS A8825503

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
359872	255	238	< 1	0.28	36	1610	14	10	1	565	0.06	< 10	< 10	10	< 5	84
359873	255	238	< 1	0.18	26	1620	< 2	10	1	509	0.06	< 10	< 10	4	< 5	75
359874	255	238	< 1	0.20	37	1370	< 2	10	1	574	0.04	< 10	< 10	6	< 5	153
359875	255	238	1	0.11	45	1540	10	5	1	185	0.06	< 10	< 10	16	5	121
359876	255	238	< 1	0.08	36	1240	< 2	5	1	359	0.04	< 10	< 10	5	< 5	194
359877	255	238	1	0.04	29	1180	8	10	2	367	0.06	< 10	< 10	23	5	80
359878	255	238	1	0.11	43	1290	4	10	1	237	0.07	< 10	< 10	18	5	213
359879	255	238	< 1	0.13	31	1000	< 2	5	1	473	0.06	< 10	< 10	5	5	44
359880	255	238	1	0.10	34	1070	< 2	5	2	353	0.09	< 10	< 10	21	5	59
359881	255	238	< 1	0.01	15	800	< 2	5	4	393	0.04	< 10	< 10	30	< 5	81
359882	255	238	1	0.02	44	1300	< 2	10	6	363	0.08	< 10	< 10	41	< 5	154
359883	255	238	< 1	0.06	14	840	4	5	2	351	0.12	< 10	< 10	18	< 5	36
359884 88-4	255	238	1	0.20	13	680	< 2	< 5	4	263	0.15	< 10	< 10	86	< 5	70
359885	255	238	< 1	0.30	14	690	20	5	3	469	0.14	< 10	< 10	63	< 5	34
359886 M	255	238	< 1	0.50	6	670	< 2	5	2	816	0.14	< 10	< 10	60	< 5	29
359887	255	238	< 1	0.56	13	710	14	5	3	712	0.20	< 10	< 10	78	< 5	32
359888	255	238	< 1	0.24	22	650	8	5	3	352	0.18	< 10	< 10	98	< 5	55
359889	255	238	3	0.02	40	2180	6	5	1	81	0.08	< 10	< 10	12	< 5	33
359890	255	238	3	0.19	32	840	6	5	1	155	0.08	< 10	< 10	10	< 5	29
359891	255	238	< 1	0.37	27	1270	< 2	5	1	307	0.07	< 10	< 10	5	< 5	46
359892	255	238	2	0.30	33	1280	10	5	1	401	0.07	< 10	< 10	12	< 5	81
359893	255	238	1	0.29	14	930	2	5	1	362	0.12	< 10	< 10	12	< 5	27
359894	255	238	< 1	0.20	16	1040	10	15	2	441	0.10	< 10	< 10	29	< 5	64
359895	255	238	4	0.25	33	1260	14	5	1	368	0.11	< 10	< 10	17	< 5	25

CERTIFICATION : B. Caughlin

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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

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

Project : M578
Comments: CC: S. MCALLISTER

Date : 16-OCT-88
Invoice # : I-8825206
P.O. # : 30605

CERTIFICATE OF ANALYSIS A8825206

SAMPLE DESCRIPTION	PREP CODE		Au ppb RUSH	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
359651	256	238	35	1.68	0.2	180	80	< 0.5	2	1.72	< 0.5	27	30	111	2.49	< 10	< 1	0.16	< 10	0.17	142
359652	256	238	15	1.56	0.4	5	80	< 0.5	2	2.43	2.5	13	29	50	2.23	< 10	< 1	0.15	< 10	0.11	124
359653	256	238	15	2.00	0.2	20	80	< 0.5	4	1.94	0.5	14	35	51	2.71	10	< 1	0.20	< 10	0.26	128
359654	256	238	15	2.60	4.0	20	80	< 0.5	2	3.52	1.5	14	49	66	3.78	< 10	< 1	0.34	< 10	0.54	261
359655	256	238	20	2.40	1.6	20	90	< 0.5	8	4.55	2.5	11	67	58	3.52	< 10	< 1	0.44	< 10	0.84	283
359656	256	238	25	1.79	1.8	< 5	100	1.0	< 2	4.22	2.5	9	50	94	2.94	< 10	< 1	0.18	< 10	0.23	165
359657	256	238	10	1.57	2.4	10	70	0.5	< 2	9.17	3.0	9	48	74	2.14	< 10	< 1	0.13	< 10	0.20	141
359658	256	238	15	1.63	1.2	25	70	0.5	< 2	9.23	2.5	6	35	65	1.20	< 10	< 1	0.08	< 10	0.17	166
359659	256	238	< 5	1.43	2.2	15	100	0.5	< 2	10.80	3.0	6	29	62	1.29	< 10	< 1	0.12	< 10	0.18	207
359660	256	238	20	1.66	1.0	25	70	0.5	< 2	6.88	2.0	5	33	56	1.12	< 10	< 1	0.19	< 10	0.32	256
359661	256	238	20	2.06	1.4	40	60	0.5	< 2	9.35	3.0	7	40	97	1.43	< 10	< 1	0.12	< 10	0.09	189
359662	256	238	15	2.35	1.2	30	40	0.5	< 2	>15.00	1.0	5	26	51	0.87	< 10	< 1	0.14	< 10	0.06	494
359663	256	238	15	4.99	1.2	50	90	0.5	< 2	6.79	< 0.5	19	22	64	3.81	< 10	< 1	0.17	< 10	0.32	247
359664	256	238	< 5	1.88	2.0	< 5	50	0.5	< 2	14.80	2.0	8	43	69	1.71	< 10	< 1	0.09	< 10	0.15	232
359665	256	238	< 5	1.65	2.2	15	60	0.5	< 2	>15.00	1.5	5	27	60	0.99	< 10	< 1	0.11	< 10	0.15	156
359666	256	238	5	1.35	1.6	20	30	0.5	4	>15.00	0.5	5	27	48	0.83	< 10	< 1	0.08	< 10	0.13	142
359667	256	238	60	1.07	1.6	15	20	0.5	6	>15.00	2.5	5	23	48	1.05	< 10	< 1	0.06	< 10	0.09	149
359668	256	238	15	1.85	2.0	30	30	1.0	< 2	8.68	0.5	4	30	49	0.81	< 10	< 1	0.16	< 10	0.11	116
359669	256	238	20	1.45	1.6	35	20	0.5	2	14.90	0.5	4	32	52	0.68	< 10	< 1	0.12	< 10	0.08	132
359670	256	238	< 5	1.42	2.2	20	20	0.5	< 2	10.95	1.0	5	38	83	1.21	< 10	< 1	0.12	< 10	0.12	115
359671	256	238	< 5	1.26	1.4	15	20	< 0.5	2	>15.00	0.5	3	25	67	0.86	< 10	< 1	0.08	< 10	0.16	125
359672	256	238	< 5	1.64	2.2	15	30	< 0.5	< 2	10.80	1.0	5	43	88	1.39	< 10	< 1	0.11	< 10	0.17	140
359673	256	238	< 5	1.37	1.2	10	30	< 0.5	< 2	10.90	0.5	4	29	60	0.89	< 10	< 1	0.10	< 10	0.18	141
359674	256	238	< 5	1.05	1.6	15	20	< 0.5	2	>15.00	1.5	5	30	53	0.79	< 10	< 1	0.08	< 10	0.10	235
359675	256	238	< 5	1.85	1.8	30	30	< 0.5	< 2	8.98	0.5	7	30	74	1.43	< 10	< 1	0.10	< 10	0.15	221
359676	256	238	< 5	1.82	1.8	10	30	< 0.5	< 2	9.43	0.5	7	30	72	1.49	< 10	< 1	0.11	< 10	0.13	199
359677	256	238	20	2.04	2.0	35	40	< 0.5	< 2	6.86	0.5	8	35	86	1.84	< 10	< 1	0.10	< 10	0.12	218
359678	256	238	25	1.65	1.8	30	50	< 0.5	< 2	10.60	0.5	7	30	70	1.31	< 10	< 1	0.10	< 10	0.14	236
359679	256	238	15	1.66	1.4	35	60	< 0.5	2	>15.00	0.5	5	17	42	0.94	< 10	< 1	0.12	< 10	0.14	265
359680	256	238	15	2.38	1.4	15	80	< 0.5	< 2	8.84	3.0	9	33	55	2.36	< 10	< 1	0.09	< 10	0.20	159
359681	256	238	< 5	2.78	1.0	5	70	< 0.5	< 2	>15.00	7.0	7	17	48	1.75	< 10	< 1	0.12	< 10	0.07	251
359682	256	238	20	1.35	2.2	5	60	< 0.5	2	>15.00	1.5	7	28	62	1.90	< 10	< 1	0.04	< 10	0.05	367
359683	256	238	20	1.09	2.0	25	40	< 0.5	2	>15.00	1.0	7	24	69	1.68	< 10	< 1	0.05	< 10	0.04	390
359684	256	238	< 5	1.01	1.4	20	200	< 0.5	4	12.80	1.0	5	32	47	1.58	< 10	< 1	0.11	< 10	0.69	357
359685	256	238	< 5	1.76	1.6	40	190	< 0.5	2	>15.00	1.0	7	25	44	1.60	< 10	< 1	0.16	< 10	0.64	394
359686	256	238	15	2.67	1.6	25	70	< 0.5	< 2	9.17	2.0	8	34	64	2.45	< 10	< 1	0.08	< 10	0.11	271
359687	256	238	25	2.42	1.6	5	90	< 0.5	< 2	9.29	2.0	8	31	79	2.47	< 10	< 1	0.08	< 10	0.34	269
359688	256	238	< 5	3.23	1.0	15	80	< 0.5	< 2	4.93	0.5	8	38	68	2.86	< 10	< 1	0.10	< 10	0.10	181
359689	256	238	10	6.21	1.8	15	270	< 0.5	< 2	4.37	< 0.5	24	29	105	5.83	10	< 1	0.20	< 10	0.36	119
359690	256	238	< 5	2.80	1.2	15	120	< 0.5	< 2	9.71	2.0	11	28	94	2.84	< 10	< 1	0.11	< 10	1.21	231

CERTIFICATION : B. Caughlin

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.
MINERALS STAFF
1900 - 1055 W. HASTINGS ST.
VANCOUVER, B.C.
V6E 2E9
Project : M579
Comments: CC: S. MCALLISTER

Date : 16-OCT-88
Invoice # : I-8825206
P.O. # : 30605

CERTIFICATE OF ANALYSIS A8825206

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
359651	256 238	6	0.41	40	960	10	5	1	143	0.19	< 10	< 10	28	< 5	32
359652	256 238	7	0.36	37	890	14	5	1	128	0.20	< 10	< 10	24	< 5	134
359653	256 238	6	0.39	40	920	6	< 5	2	198	0.23	< 10	< 10	39	< 5	48
359654	256 238	7	0.34	49	1070	22	5	6	254	0.24	< 10	< 10	52	< 5	143
359655	256 238	22	0.20	55	1050	10	5	9	212	0.12	< 10	< 10	107	5	223
359656	256 238	26	0.26	58	1270	14	5	2	307	0.14	< 10	< 10	71	< 5	160
359657	256 238	45	0.25	64	1290	8	5	2	529	0.14	< 10	< 10	110	< 5	150
359658	256 238	3	0.25	40	1910	6	5	1	489	0.13	< 10	< 10	38	< 5	82
359659	256 238	2	0.35	33	1420	12	10	1	568	0.12	< 10	< 10	52	< 5	78
359660	256 238	4	0.47	27	1520	6	5	1	365	0.16	< 10	< 10	41	< 5	109
359661	256 238	10	0.45	52	2820	8	5	1	565	0.11	< 10	< 10	49	< 5	113
359662	256 238	17	0.46	33	2170	8	< 5	1	734	0.11	< 10	< 10	28	< 5	84
359663	256 238	47	0.60	27	1120	8	10	3	523	0.20	< 10	< 10	41	< 5	48
359664	256 238	5	0.22	42	2780	16	< 5	2	596	0.13	< 10	< 10	37	< 5	137
359665	256 238	16	0.28	30	1870	18	5	1	904	0.09	< 10	< 10	26	< 5	73
359666 88-3	256 238	15	0.23	35	2250	10	5	1	676	0.08	< 10	< 10	37	< 5	65
359667	256 238	4	0.19	27	2060	10	< 5	1	702	0.07	< 10	< 10	25	5	148
359668 (M)	256 238	2	0.39	33	1450	16	5	1	609	0.10	< 10	< 10	12	5	38
359669	256 238	3	0.31	30	2020	8	5	1	771	0.08	< 10	< 10	12	5	39
359670	256 238	2	0.26	38	1670	16	5	1	599	0.09	< 10	< 10	18	5	84
359671	256 238	2	0.22	25	1860	14	5	1	739	0.06	< 10	< 10	10	< 5	56
359672	256 238	3	0.24	45	1940	8	< 5	1	504	0.08	< 10	< 10	17	< 5	99
359673	256 238	1	0.24	27	1370	8	< 5	1	548	0.07	< 10	< 10	8	< 5	59
359674	256 238	5	0.20	36	1230	12	< 5	1	670	0.06	< 10	< 10	24	< 5	91
359675	256 238	1	0.23	47	1570	10	5	2	499	0.09	< 10	< 10	17	< 5	78
359676	256 238	1	0.22	45	1220	16	5	2	546	0.10	< 10	< 10	19	< 5	77
359677	256 238	3	0.24	55	1250	14	5	2	517	0.11	< 10	< 10	20	< 5	138
359678	256 238	1	0.19	39	1160	8	< 5	2	553	0.09	< 10	< 10	14	< 5	65
359679	256 238	< 1	0.24	28	830	4	< 5	2	761	0.08	< 10	< 10	10	< 5	65
359680	256 238	4	0.18	43	1190	6	< 5	2	650	0.11	< 10	< 10	32	< 5	155
359681	256 238	1	0.38	19	1270	< 2	< 5	2	947	0.12	< 10	< 10	12	5	364
359682	256 238	2	0.21	32	1190	14	< 5	2	1035	0.11	< 10	< 10	23	< 5	91
359683	256 238	2	0.21	37	1300	8	< 5	2	911	0.10	< 10	< 10	22	< 5	70
359684	256 238	2	0.10	36	1610	6	5	2	643	0.07	< 10	< 10	22	< 5	89
359685	256 238	2	0.15	33	1400	10	< 5	2	921	0.07	10	< 10	17	< 5	68
359686	256 238	4	0.22	51	1570	8	5	3	623	0.11	10	< 10	20	< 5	143
359687	256 238	5	0.16	44	1560	12	< 5	2	503	0.12	< 10	< 10	20	< 5	161
359688	256 238	6	0.23	48	1390	6	5	3	471	0.14	< 10	< 10	23	< 5	94
359689	256 238	< 1	0.41	35	780	10	5	4	1025	0.18	< 10	< 10	40	< 5	27
359690	256 238	4	0.16	50	1140	8	5	3	711	0.13	10	< 10	24	< 5	234

CERTIFICATION : B. Caplin

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.
MINERALS STAFF
1900 - 1055 W. HASTINGS ST.
VANCOUVER, B.C.
V6E 2E9

Project : M579
Comments: CC: S. MCALLISTER

Page No. :
Tot. Pages: 5
Date : 16-OCT-88
Invoice # : I-8825206
P.O. # : 30605

CERTIFICATE OF ANALYSIS A8825206

SAMPLE DESCRIPTION	PREP CODE		Au ppb RUSH	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
359691	256	238	< 5	1.24	0.6	25	400	< 0.5	2	>15.00	< 0.5	5	30	39	1.43	< 10	< 1	0.24	< 10	3.24	420
359692	256	238	15	1.01	0.8	20	490	< 0.5	< 2	>15.00	< 0.5	5	29	42	1.55	< 10	< 1	0.29	< 10	4.20	562
359693	256	238	< 5	2.16	1.4	50	180	< 0.5	4	>15.00	< 0.5	9	28	69	1.75	< 10	< 1	0.13	< 10	1.37	469
359694	256	238	15	2.40	1.4	20	230	< 0.5	2	10.90	< 0.5	10	26	53	2.37	< 10	< 1	0.19	< 10	0.32	191
359695	256	238	10	2.70	1.4	20	70	< 0.5	< 2	11.75	1.0	9	44	51	2.14	< 10	< 1	0.12	< 10	0.09	250
359696	256	238	15	1.22	1.2	5	30	< 0.5	< 2	>15.00	1.0	6	29	27	1.39	< 10	< 1	0.03	< 10	0.03	237
359697	256	238	10	1.55	1.0	70	60	< 0.5	< 2	>15.00	0.5	6	29	44	1.37	< 10	< 1	0.06	< 10	0.04	395
359698	256	238	25	1.87	1.0	30	460	< 0.5	6	12.45	< 0.5	8	29	47	1.87	< 10	< 1	0.23	< 10	1.34	354
359699	256	238	15	2.00	1.8	65	120	< 0.5	< 2	10.60	0.5	9	29	80	2.01	< 10	< 1	0.11	< 10	0.28	346
359700	256	238	10	1.90	1.2	30	60	< 0.5	< 2	13.95	0.5	6	19	45	1.57	< 10	< 1	0.08	< 10	0.04	285
359701	256	238	15	2.44	1.4	80	200	< 0.5	2	7.34	0.5	9	48	54	2.30	10	< 1	0.19	< 10	0.55	234
359702	256	238	20	1.83	1.6	75	90	< 0.5	< 2	8.35	1.0	7	44	62	2.01	< 10	< 1	0.06	< 10	0.11	274
359703	256	238	30	1.84	1.2	110	260	< 0.5	2	13.10	1.0	7	39	55	1.89	< 10	< 1	0.06	< 10	0.64	401
359704	256	238	30	2.18	1.8	120	460	< 0.5	2	13.55	1.5	7	34	65	2.26	< 10	< 1	0.15	< 10	0.69	348
359705	256	238	10	2.83	0.8	95	160	< 0.5	< 2	8.52	0.5	11	23	51	3.02	< 10	< 1	0.08	< 10	0.63	464
359706 88-3	256	238	25	1.99	0.8	175	100	< 0.5	< 2	10.75	0.5	9	28	57	2.21	< 10	< 1	0.07	< 10	0.34	268
359707	256	238	15	2.45	0.6	365	120	< 0.5	< 2	7.87	< 0.5	10	35	53	2.67	< 10	< 1	0.09	< 10	0.38	377
359708	256	238	< 5	3.63	1.0	205	180	< 0.5	< 2	2.51	< 0.5	28	50	48	5.07	20	< 1	0.58	< 10	1.97	201
359709 (M)	256	238	< 5	2.74	1.0	100	280	< 0.5	< 2	8.95	0.5	9	42	64	2.58	< 10	< 1	0.09	< 10	0.63	329
359710	256	238	< 5	2.86	0.8	265	160	< 0.5	< 2	8.86	0.5	9	47	54	2.25	< 10	< 1	0.04	< 10	0.34	221
359711	256	238	< 5	2.25	0.6	40	560	< 0.5	8	10.65	< 0.5	9	38	52	2.41	< 10	< 1	0.20	< 10	1.12	292
359712	256	238	< 5	1.01	1.0	15	120	< 0.5	2	12.85	0.5	6	34	56	1.87	< 10	< 1	0.05	< 10	0.16	300
359713	256	238	15	0.81	1.0	10	70	< 0.5	2	>15.00	< 0.5	5	23	45	1.47	< 10	< 1	0.03	< 10	0.06	339
359714	256	238	< 5	1.36	0.6	25	100	< 0.5	< 2	8.30	0.5	7	34	49	2.35	< 10	< 1	0.10	< 10	0.20	259
359715	256	238	35	1.34	1.0	25	220	< 0.5	2	14.45	0.5	6	19	56	1.75	< 10	< 1	0.06	< 10	0.40	261
359716	256	238	20	1.43	1.0	40	290	< 0.5	2	10.75	1.0	6	35	53	1.63	< 10	< 1	0.13	< 10	0.42	177
359717	256	238	15	1.72	0.8	50	120	< 0.5	< 2	7.45	0.5	7	36	55	2.08	< 10	< 1	0.09	< 10	0.14	217
359718	256	238	< 5	2.46	0.8	65	90	< 0.5	< 2	11.65	0.5	5	40	48	1.78	< 10	< 1	0.06	< 10	0.11	284
359719	256	238	< 5	2.25	0.8	55	110	< 0.5	< 2	5.46	0.5	7	43	63	2.28	< 10	< 1	0.10	< 10	0.16	182
359720	256	238	< 5	2.97	1.0	100	190	< 0.5	< 2	9.05	0.5	9	30	54	2.23	< 10	< 1	0.18	< 10	0.29	186
359721	256	238	< 5	2.68	0.8	75	100	< 0.5	< 2	10.20	1.0	8	29	62	1.84	< 10	< 1	0.08	< 10	0.07	193
359722	256	238	< 5	2.64	0.8	35	140	< 0.5	2	8.08	< 0.5	7	30	51	1.77	< 10	< 1	0.10	< 10	0.29	204
359723	256	238	25	1.76	1.2	40	50	< 0.5	< 2	13.35	1.0	7	37	59	2.21	< 10	< 1	0.04	< 10	0.09	204
359724	256	238	10	1.65	1.0	95	170	< 0.5	2	>15.00	0.5	6	35	35	1.36	< 10	< 1	0.08	< 10	0.34	302
359725	256	238	15	1.87	0.8	120	180	< 0.5	2	13.55	1.0	7	28	51	1.41	< 10	< 1	0.08	< 10	0.21	324
359726	256	238	10	2.74	0.6	75	210	< 0.5	< 2	8.64	2.0	8	31	52	2.05	< 10	< 1	0.23	< 10	0.24	316
359727	256	238	15	2.25	1.2	85	160	< 0.5	2	6.60	1.0	9	40	58	2.21	10	< 1	0.13	< 10	0.18	243
359728	256	238	< 5	2.17	1.0	75	440	< 0.5	4	12.40	1.0	11	17	34	2.04	< 10	< 1	0.35	< 10	0.71	222
359729	256	238	< 5	1.27	0.8	130	250	< 0.5	4	>15.00	1.0	4	15	19	0.57	< 10	< 1	0.13	< 10	0.21	291
359730	256	238	10	1.74	1.0	60	110	< 0.5	< 2	12.10	0.5	8	19	47	2.03	< 10	< 1	0.08	< 10	0.16	274

CERTIFICATION : B. Caplin

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V6E 2E9

Project : M579
Comments: CC: S. MCALLISTER

Date : 16-OCT-88
Invoice # : I-8825206
P.O. # : 30605

CERTIFICATE OF ANALYSIS A8825206

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
359691	256	238	3	0.05	27	1130	< 2	5	2	933	0.07	10	< 10	18	5	45
359692	256	238	1	0.07	25	1300	< 2	5	2	1140	0.05	< 10	< 10	20	< 5	44
359693	256	238	3	0.15	44	1560	2	5	2	1070	0.09	< 10	< 10	24	< 5	75
359694	256	238	1	0.27	38	1190	4	5	3	955	0.12	< 10	< 10	26	10	60
359695	256	238	2	0.36	48	1210	8	5	3	954	0.13	< 10	< 10	32	5	94
359696	256	238	4	0.18	28	1200	18	5	2	865	0.08	< 10	< 10	25	5	68
359697	256	238	2	0.33	46	1880	6	< 5	2	1135	0.09	< 10	< 10	20	5	95
359698	256	238	2	0.26	39	1010	6	5	2	1040	0.10	< 10	< 10	18	5	69
359699	256	238	3	0.32	57	1250	8	5	2	796	0.11	< 10	< 10	26	5	100
359700	256	238	4	0.27	37	1530	4	< 5	2	1010	0.10	< 10	< 10	20	5	101
359701	256	238	3	0.18	55	960	8	5	4	742	0.14	10	< 10	38	5	109
359702	256	238	4	0.14	63	1140	18	10	3	451	0.14	< 10	< 10	30	< 5	119
359703	256	238	5	0.12	43	1310	12	10	3	606	0.10	< 10	< 10	26	< 5	112
359704	256	238	4	0.05	45	1210	8	10	2	755	0.12	< 10	< 10	27	< 5	193
359705	256	238	< 1	0.14	33	1260	6	10	4	703	0.24	< 10	< 10	61	< 5	127
359706	256	238	3	0.08	43	980	6	5	3	595	0.15	< 10	< 10	36	< 5	121
359707	256	238	3	0.15	57	1200	10	5	4	335	0.20	< 10	< 10	42	< 5	87
359708 88-3	256	238	< 1	0.48	28	550	< 2	5	7	623	0.26	< 10	< 10	98	< 5	39
359709	256	238	2	0.18	41	1020	4	10	6	385	0.23	< 10	< 10	59	< 5	126
359710 (M)	256	238	3	0.02	57	1270	8	10	3	336	0.17	< 10	< 10	36	< 5	124
359711	256	238	2	0.09	37	960	10	5	5	694	0.19	< 10	< 10	43	< 5	88
359712	256	238	3	0.06	50	1170	8	5	2	835	0.16	< 10	< 10	31	< 5	102
359713	256	238	1	0.07	28	850	4	5	1	814	0.11	< 10	< 10	18	< 5	60
359714	256	238	3	0.14	34	1060	10	5	3	566	0.15	< 10	< 10	37	< 5	72
359715	256	238	2	0.09	33	980	36	10	3	904	0.11	< 10	< 10	25	< 5	86
359716	256	238	3	0.16	41	1000	8	5	2	907	0.12	< 10	< 10	29	5	95
359717	256	238	2	0.24	48	1030	14	10	2	720	0.15	< 10	< 10	28	< 5	86
359718	256	238	4	0.21	36	1040	8	5	2	1325	0.14	< 10	< 10	23	< 5	70
359719	256	238	4	0.25	50	1120	12	5	2	698	0.16	< 10	< 10	34	< 5	106
359720	256	238	3	0.25	43	1070	2	5	4	1005	0.17	10	< 10	37	5	70
359721	256	238	3	0.19	41	980	2	5	3	1040	0.15	10	< 10	39	< 5	82
359722	256	238	3	0.16	28	880	10	< 5	2	781	0.11	10	< 10	24	5	43
359723	256	238	4	0.02	36	990	12	5	3	662	0.08	< 10	< 10	35	5	80
359724	256	238	3	0.02	34	1150	4	5	3	784	0.07	< 10	< 10	29	< 5	67
359725	256	238	1	0.27	30	1040	6	< 5	1	1060	0.10	< 10	< 10	23	< 5	79
359726	256	238	2	0.31	27	1160	6	5	3	696	0.17	< 10	< 10	40	< 5	177
359727	256	238	3	0.32	37	1220	6	5	3	812	0.18	10	< 10	41	< 5	80
359728	256	238	1	0.32	23	1100	8	5	2	1270	0.13	< 10	< 10	36	< 5	80
359729	256	238	2	0.22	26	1580	4	< 5	1	1635	0.08	< 10	< 10	11	< 5	47
359730	256	238	1	0.27	28	1100	4	5	2	884	0.16	< 10	< 10	24	< 5	84

CERTIFICATION : B. Caughlin

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.
MINERALS STAFF
1900 - 1055 W. HASTINGS ST.
VANCOUVER, B.C.
V6E 2E9

Project : M579
Comments: CC: S. MCALLISTER

Page No. : A
Tot. Pages: 3
Date : 16-OCT-88
Invoice # : I-8825206
P.O. # : 30605

CERTIFICATE OF ANALYSIS A8825206

SAMPLE DESCRIPTION	PREP CODE		Au ppb RUSH	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
359731	256	238	< 5	1.40	1.2	60	100	< 0.5	< 2	>15.00	< 0.5	5	14	35	1.36	< 10	< 1	0.05	< 10	0.12	243
359732	256	238	< 5	1.07	1.4	70	90	< 0.5	< 2	12.40	0.5	5	32	54	1.61	< 10	< 1	0.04	< 10	0.09	243
359733	256	238	20	1.00	1.0	30	90	< 0.5	< 2	13.20	< 0.5	5	20	40	1.46	< 10	< 1	0.06	< 10	0.10	201
359734	256	238	35	1.16	1.8	65	160	< 0.5	< 2	14.80	0.5	4	26	45	1.31	< 10	< 1	0.08	< 10	0.25	200
359735	256	238	< 5	1.27	1.4	80	150	< 0.5	2	>15.00	< 0.5	4	18	34	1.06	< 10	< 1	0.04	< 10	0.14	198
359736	256	238	10	1.63	1.6	70	170	< 0.5	< 2	7.36	0.5	9	33	60	2.60	< 10	< 1	0.10	< 10	0.26	220
359737	256	238	25	1.85	1.6	60	140	< 0.5	< 2	10.30	0.5	7	37	53	2.18	< 10	< 1	0.04	< 10	0.30	291
359738	256	238	15	1.67	1.2	85	110	< 0.5	< 2	13.35	2.0	5	30	44	1.54	< 10	< 1	0.02	< 10	0.66	307
359739	256	238	20	1.38	1.2	75	330	< 0.5	4	12.85	0.5	5	25	31	1.52	< 10	< 1	0.20	< 10	0.79	257

88-3
(M)

CERTIFICATION : B. Caplin

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212 BROOKSBANK AVE., NORTH VANCOUVER,
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To : CHEVRON CANADA RESOURCES LTD.
NERALS STAFF
00 - 1055 W. HASTINGS ST.
VANCOUVER, B.C.
V6E 2E9

Project : MS79
Comments: CC: S. MCALLISTER

Date : 19-OCT-88
Invoice # : I-8825206
P.O. # : 30605

CERTIFICATE OF ANALYSIS A8825206

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
359731	256	238	1	0.18	23	1270	4	5	2	1400	0.08	< 10	< 10	16	< 5	48
359732	256	238	2	0.12	39	1590	6	5	2	722	0.12	< 10	< 10	29	< 5	77
359733	256	238	2	0.16	25	1040	6	< 5	2	994	0.10	< 10	< 10	18	< 5	43
359734	256	238	2	0.11	31	1280	8	5	2	1055	0.07	< 10	< 10	16	< 5	81
359735	256	238	2	0.11	24	1150	6	< 5	2	1505	0.08	< 10	< 10	11	< 5	45
359736	256	238	2	0.11	33	1170	10	10	4	657	0.15	< 10	< 10	51	< 5	80
359737	256	238	1	0.06	28	1010	6	< 5	5	457	0.09	< 10	< 10	40	< 5	73
359738	256	238	1	0.01	24	830	10	< 5	3	498	0.05	< 10	< 10	24	< 5	149
359739	256	238	2	0.09	21	920	8	< 5	3	1010	0.06	10	< 10	17	< 5	56

88-3
(M)

CERTIFICATION : B. Caughlin

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To : CHEVRON CANADA RESOURCES LTD.
ERALS STAFF
00 - 1055 W. HASTINGS ST.
VANCOUVER, B.C.
V6E 2E9
Project : M5/9
Comments: CC: 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
400044	205	---	25
400045	205	---	< 5
400046	205	---	5
400047	205	---	40
400048	205	---	15
400049	205	---	< 5
400050	205	---	< 5
400051	205	---	30
400052	205	---	15
400053	205	---	50
400054	205	---	45
400055	205	---	5
400056 88-8	205	---	15
400057	205	---	25
400058	205	---	20
400059 M	205	---	< 5
400060	205	---	20
400061	205	---	15
400062	205	---	10
400063	205	---	5
400064	205	---	15
400065	205	---	10
400066	205	---	< 5
400067	205	---	25
400068	205	---	75

CERTIFICATION : Frank Vonk

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To : CHEVRON CANADA RESOURCES LTD.
MINERALS STAFF
1900 - 1055 W. HASTINGS ST.
VANCOUVER, B.C.
V6E 2E9
Project : M579
Comments: CC: SANDY McALLISTER

Page No. : 1
Tot. Pages: 1
Date : 27-OCT-88
Invoice # : I-8825918
P.O. # : 30613

CERTIFICATE OF ANALYSIS A8825918

SAMPLE DESCRIPTION	PREP CODE		Au ppb RUSH	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
359581	255	238	< 5	0.84	0.4	45	50	< 0.5	< 2	4.98	< 0.5	3	47	147	0.48	10	< 1	0.07	< 10	0.19	115
359582	255	238	< 5	0.71	1.2	30	50	< 0.5	4	2.45	< 0.5	9	84	368	1.84	10	< 1	0.08	20	0.26	115
359583	255	238	< 5	2.20	0.8	15	90	< 0.5	< 2	1.66	0.5	11	40	129	2.20	10	< 1	0.17	10	0.38	84
359584	255	238	< 5	3.28	0.8	< 5	150	< 0.5	< 2	2.08	< 0.5	13	90	182	2.50	< 10	3	0.24	10	0.54	105
359585	255	238	< 5	2.48	1.4	< 5	130	< 0.5	< 2	1.55	< 0.5	12	48	172	2.19	< 10	< 1	0.23	10	0.44	81
359586	255	238	20	0.72	1.2	70	10	< 0.5	< 2	3.74	0.5	6	75	242	1.50	< 10	1	< 0.01	10	0.06	124
359587	255	238	20	1.77	1.6	10	150	< 0.5	< 2	1.18	< 0.5	14	39	325	3.18	< 10	1	0.21	10	0.41	80
359588	255	238	< 5	1.66	0.6	< 5	60	< 0.5	< 2	1.53	0.5	3	50	31	0.40	< 10	< 1	0.11	10	0.13	47
359589	255	238	< 5	2.31	1.0	5	50	< 0.5	< 2	2.41	1.0	9	22	170	1.29	< 10	2	0.13	10	0.16	50
359590	255	238	20	1.86	0.8	30	100	< 0.5	< 2	1.91	< 0.5	10	30	205	1.15	< 10	1	0.18	10	0.34	90
359591	255	238	45	0.89	1.0	80	20	< 0.5	< 2	4.32	0.5	12	30	81	1.01	< 10	< 1	0.04	< 10	0.78	214
359592	255	238	30	1.31	1.8	20	110	< 0.5	2	4.01	1.0	8	26	152	1.34	< 10	< 1	0.23	< 10	0.40	192
359593	255	238	25	1.57	2.2	45	120	< 0.5	8	3.37	1.5	16	21	359	1.76	< 10	< 1	0.45	< 10	0.81	264
359594	255	238	20	1.43	2.6	35	120	< 0.5	2	3.55	0.5	10	17	308	1.74	< 10	< 1	0.44	< 10	0.79	267
359595	255	238	150	0.78	4.8	50	30	< 0.5	2	10.55	1.0	8	17	736	1.37	10	< 1	0.15	< 10	0.40	220
359596	255	238	20	0.60	0.8	30	20	< 0.5	< 2	10.80	1.0	1	40	65	0.26	10	< 1	0.04	< 10	0.11	184
359597	255	238	25	0.48	1.0	10	10	< 0.5	< 2	10.15	0.5	< 1	24	22	0.16	10	< 1	0.02	< 10	0.10	155
359598	255	238	< 5	0.62	2.6	10	20	< 0.5	< 2	>15.00	2.0	4	20	214	0.42	10	< 1	0.05	< 10	0.11	120
359599	255	238	< 5	0.29	0.8	10	30	< 0.5	< 2	9.43	1.0	2	28	7	0.11	10	< 1	0.03	< 10	0.14	79
359600	255	238	< 5	0.58	1.4	30	20	< 0.5	2	8.95	1.0	2	16	29	0.10	10	< 1	0.03	< 10	0.16	58
359918	255	238	< 5	0.81	1.2	35	20	< 0.5	2	>15.00	1.0	3	40	88	0.24	20	< 1	0.06	< 10	0.22	139
359919	255	238	20	0.58	1.2	35	30	< 0.5	< 2	>15.00	0.5	3	19	58	0.21	20	< 1	0.05	< 10	0.19	188
359920	255	238	< 5	0.33	1.2	20	20	< 0.5	< 2	>15.00	1.0	4	28	67	0.37	10	< 1	0.04	< 10	0.06	153
359921	255	238	25	0.58	1.0	60	20	< 0.5	< 2	>15.00	1.5	7	18	134	0.68	20	< 1	0.06	< 10	0.17	293
359922	255	238	10	1.09	1.0	90	70	< 0.5	< 2	7.27	< 0.5	6	54	60	0.34	10	< 1	0.07	< 10	0.23	128

88-8 M

CERTIFICATION : B. Caughlin

Chemex Labs Ltd.
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PHONE (604) 984-0221

To : CHEVRON CANADA RESOURCES LTD.
ERALS STAFF
1900 - 1055 W. HASTINGS ST.
VANCOUVER, B.C.
V6E 2E9
Project : M579
Comments: CC: SANDY McALLISTER

Page No. : 1
Tot. Pages: 1
Date : 27-OCT-88
Invoice # : I-8825918
P.O. # : 30613

CERTIFICATE OF ANALYSIS A8825918

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
359581	255	238	28	0.22	21	1670	4	5	< 1	207	0.09	< 10	< 10	39	5	18
359582	255	238	98	0.13	39	2090	4	5	1	125	0.14	< 10	< 10	107	5	23
359583	255	238	3	0.31	4	450	14	< 5	1	189	0.09	10	< 10	23	5	29
359584	255	238	3	0.52	9	420	4	< 5	2	246	0.14	< 10	< 10	36	10	23
359585	255	238	4	0.35	6	400	16	5	1	198	0.11	< 10	< 10	29	5	22
359586	255	238	84	0.11	51	2250	24	5	< 1	85	0.08	< 10	< 10	68	5	34
359587	255	238	3	0.27	6	400	6	5	1	238	0.10	< 10	< 10	28	< 5	30
359588	255	238	5	0.48	4	440	26	< 5	< 1	266	0.10	< 10	< 10	13	< 5	28
359589	255	238	7	0.51	9	610	32	5	< 1	324	0.08	< 10	< 10	14	< 5	29
359590 88-8 (M.)	255	238	4	0.28	17	570	2	< 5	1	219	0.11	< 10	< 10	25	5	31
359591	255	238	85	0.24	36	2290	4	5	< 1	170	0.09	< 10	< 10	61	< 5	28
359592	255	238	8	0.27	7	790	12	5	1	374	0.11	< 10	< 10	36	5	59
359593	255	238	6	0.21	10	790	20	10	2	255	0.12	< 10	< 10	56	5	89
359594	255	238	4	0.17	4	840	20	10	2	242	0.11	< 10	< 10	61	< 5	63
359595	255	238	1	0.13	12	1110	46	15	1	298	0.05	< 10	< 10	15	5	47
359596	255	238	2	0.16	12	2890	10	15	< 1	284	0.04	< 10	< 10	5	< 5	45
359597	255	238	4	0.12	11	3030	6	10	< 1	308	0.03	< 10	< 10	4	< 5	18
359598	255	238	1	0.12	12	1740	14	15	< 1	634	0.04	< 10	< 10	4	< 5	102
359599	255	238	2	0.11	10	3290	14	5	< 1	378	0.04	< 10	< 10	6	< 5	22
359600	255	238	1	0.16	11	1530	14	10	< 1	570	0.04	< 10	< 10	3	< 5	50
359918	255	238	1	0.16	21	2040	< 2	10	< 1	986	0.05	< 10	< 10	10	5	52
359919	255	238	< 1	0.12	15	1360	10	10	< 1	1030	0.04	< 10	< 10	4	5	29
359920	255	238	2	0.09	17	1300	22	10	< 1	621	0.04	< 10	< 10	5	< 5	53
359921	255	238	< 1	0.12	31	1450	6	10	< 1	960	0.04	< 10	< 10	4	< 5	142
359922	255	238	3	0.15	37	1180	14	5	< 1	410	0.07	< 10	< 10	9	< 5	19

CERTIFICATION : B. Caughlin

Chemex Labs Ltd.
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To: CHEVRON CANADA RESOURCES LTD
MINERALS STAFF
900 - 1055 W. HASTINGS ST.
VANCOUVER, B.C.
V6E 2E9
Project : M579
Comments: CC/ S. McALLISTER

Page No. : 1-A
Tot. Pages: 2
Date : 21-OCT-88
Invoice # : I-8825741
P.O. # : 30610

CERTIFICATE OF ANALYSIS A8825741

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
359501	205	238	20	0.96	0.2	230	40	< 0.5	< 2	5.13	< 0.5	9	63	50	0.50	10	< 1	0.06	< 10	0.05	121
359502	205	238	20	0.66	0.2	250	50	< 0.5	4	3.13	< 0.5	10	46	58	0.43	10	< 1	0.06	< 10	0.05	82
359503	205	238	20	0.94	0.2	345	40	< 0.5	< 2	2.01	< 0.5	9	74	36	0.59	10	< 1	0.06	10	0.07	90
359504	205	238	90	2.03	0.4	290	110	0.5	< 2	4.37	< 0.5	7	105	73	0.89	10	< 1	0.18	< 10	0.09	102
359505	205	238	20	0.75	1.0	315	40	< 0.5	2	3.80	0.5	10	53	117	0.95	10	< 1	0.05	< 10	0.03	122
359506	205	238	30	1.19	1.4	910	40	< 0.5	2	3.19	0.5	12	73	263	0.90	10	< 1	0.08	< 10	0.05	114
359507	205	238	20	1.25	0.4	315	30	< 0.5	< 2	7.34	0.5	7	43	36	0.23	10	< 1	0.08	< 10	0.06	148
359508	205	238	50	1.08	0.6	120	50	< 0.5	< 2	6.64	0.5	7	66	23	0.25	10	< 1	0.09	< 10	0.06	133
359509	205	238	30	1.28	1.0	160	20	< 0.5	< 2	8.17	0.5	7	54	96	0.30	10	< 1	0.07	< 10	0.04	132
359510	205	238	25	1.64	0.4	80	20	< 0.5	< 2	5.61	< 0.5	3	59	45	0.27	10	< 1	0.08	< 10	0.04	105
359511	205	238	25	1.23	0.6	75	20	< 0.5	< 2	10.75	1.5	6	44	51	0.37	20	< 1	0.07	< 10	0.05	150
359512	205	238	20	1.12	0.6	45	30	< 0.5	< 2	7.64	1.5	3	44	75	0.44	10	< 1	0.06	< 10	0.06	112
359513	205	238	25	0.95	1.2	60	30	< 0.5	< 2	6.28	4.5	3	59	139	0.41	10	< 1	0.04	< 10	0.03	102
359514	205	238	15	0.62	1.0	145	20	< 0.5	2	>15.00	4.5	3	35	56	0.33	20	< 1	0.02	< 10	0.03	131
359515	205	238	10	0.53	1.2	50	50	< 0.5	< 2	>15.00	0.5	4	40	55	0.27	20	1	0.05	< 10	0.10	121
359516	205	238	15	0.38	1.0	55	30	< 0.5	4	>15.00	5.0	3	21	52	0.23	20	< 1	0.01	< 10	0.03	81
359517	205	238	< 5	0.53	0.6	30	20	< 0.5	2	12.85	< 0.5	3	45	28	0.17	20	< 1	0.03	< 10	0.05	86
359518	205	238	15	1.01	0.4	85	30	< 0.5	< 2	10.65	0.5	3	41	59	0.41	20	< 1	0.03	< 10	0.03	98
359519	205	238	20	2.80	0.8	40	30	0.5	< 2	13.75	0.5	5	43	81	1.64	20	1	0.06	< 10	0.12	240
359520	205	238	15	2.24	0.4	75	30	< 0.5	< 2	10.60	0.5	2	43	43	0.70	20	< 1	0.04	< 10	0.04	167
359521	205	238	20	1.16	0.6	140	50	< 0.5	< 2	6.19	< 0.5	6	57	52	0.52	10	< 1	0.07	< 10	0.04	116
359522	205	238	50	0.81	0.8	170	30	< 0.5	< 2	7.53	2.0	6	60	78	0.44	10	< 1	0.05	< 10	0.06	124
359523	205	238	35	0.82	0.6	230	20	< 0.5	< 2	14.00	< 0.5	3	37	33	0.26	20	< 1	0.05	< 10	0.03	181
359524	205	238	25	2.43	0.6	150	50	< 0.5	< 2	10.25	0.5	6	32	93	0.75	20	< 1	0.12	< 10	0.15	142
359525	205	238	20	1.59	0.4	140	20	< 0.5	4	8.31	< 0.5	6	43	73	0.44	20	2	0.10	< 10	0.06	114
359526	205	238	90	1.37	0.8	195	30	0.5	< 2	11.15	0.5	3	49	211	0.62	20	< 1	0.08	< 10	0.06	143
359527	205	238	10	1.58	0.6	65	30	< 0.5	< 2	12.90	1.0	3	62	62	0.48	20	< 1	0.10	< 10	0.10	165
359528	205	238	10	1.75	0.6	125	30	0.5	4	10.20	5.5	5	69	59	0.49	20	< 1	0.08	< 10	0.06	144
359529 87-1	205	238	15	1.64	0.6	130	30	< 0.5	4	10.80	7.5	7	47	67	0.54	20	2	0.09	< 10	0.07	153
359530	205	238	15	1.31	0.6	25	30	< 0.5	< 2	>15.00	1.5	3	28	63	0.42	20	1	0.07	< 10	0.04	203
359531 M	205	238	25	1.21	0.6	75	30	< 0.5	< 2	14.20	5.0	3	24	41	0.21	20	< 1	0.07	< 10	0.08	254
359532	205	238	190	0.45	1.2	110	20	< 0.5	< 2	13.90	4.0	3	39	108	0.38	20	1	0.03	< 10	0.05	207
359533	205	238	80	0.64	0.6	220	20	< 0.5	4	>15.00	2.5	4	19	109	0.38	20	< 1	0.04	< 10	0.04	232
359534	205	238	45	0.59	1.8	155	30	< 0.5	< 2	9.12	12.0	3	40	313	0.42	10	< 1	0.06	< 10	0.05	118
359535	205	238	40	0.34	2.0	165	30	< 0.5	2	11.00	7.0	3	35	344	0.42	10	< 1	0.03	< 10	0.05	161
359536	205	238	80	0.35	1.2	250	20	< 0.5	< 2	>15.00	1.5	3	18	214	0.34	20	< 1	0.02	< 10	0.03	189
359537	205	238	80	0.57	1.6	390	50	< 0.5	< 2	9.15	1.0	6	47	242	0.44	10	< 1	0.06	< 10	0.05	153
359538	205	238	80	0.45	2.0	130	20	< 0.5	< 2	10.85	8.0	6	41	481	0.69	10	< 1	0.04	< 10	0.05	184
359539	205	238	140	0.73	1.2	390	20	< 0.5	2	12.70	2.0	3	29	241	0.45	20	< 1	0.04	< 10	0.22	220
359540	205	238	160	0.45	2.4	1055	20	< 0.5	8	>15.00	6.5	5	28	538	0.51	20	< 1	0.03	< 10	0.20	256

CERTIFICATION : B. Cargli

Chemex Labs Ltd.
Analytical Chemists * Geochemists * Registered Assayers
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PHONE (604) 984-0221

To: CHEVRON CANADA RESOURCES LTD.
MINERALS STAFF
900 - 1055 W. HASTINGS ST.
VANCOUVER, B.C.
V6E 2E9

Project : M579
Comments: CC: S. McALLISTER

Page No. :
Tot. Pages:
Date : 21-OCT-88
Invoice # : I-8825741
P.O. # : 30610

CERTIFICATE OF ANALYSIS A8825741

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
359501	205 238	2	0.28	31	1790	12	5	< 1	199	0.07	< 10	< 10	12	< 5	22
359502	205 238	< 1	0.18	25	1520	6	5	< 1	124	0.06	< 10	< 10	15	< 5	32
359503	205 238	29	0.11	37	1270	4	5	< 1	91	0.06	< 10	< 10	64	< 5	32
359504	205 238	9	0.29	35	1220	6	5	1	273	0.08	< 10	< 10	36	< 5	23
359505	205 238	14	0.18	48	1380	10	5	< 1	156	0.04	< 10	< 10	29	5	32
359506	205 238	20	0.23	46	1350	14	5	1	217	0.05	< 10	< 10	19	5	38
359507	205 238	31	0.32	35	2020	2	5	< 1	282	0.05	< 10	< 10	37	< 5	20
359508	205 238	13	0.26	35	1400	18	< 5	< 1	217	0.08	< 10	< 10	31	5	19
359509	205 238	7	0.33	42	1290	6	5	< 1	380	0.07	< 10	< 10	35	5	27
359510	205 238	3	0.36	25	1550	2	< 5	< 1	323	0.07	< 10	< 10	17	< 5	23
359511	205 238	6	0.33	26	2430	14	5	< 1	372	0.07	< 10	< 10	24	< 5	69
359512	205 238	3	0.34	30	1690	4	5	< 1	420	0.07	< 10	< 10	23	< 5	60
359513	205 238	5	0.25	38	2040	12	5	< 1	297	0.05	< 10	< 10	18	< 5	141
359514	205 238	88	0.14	60	1630	10	15	< 1	801	0.04	< 10	< 10	130	5	219
359515	205 238	13	0.12	21	2170	20	10	< 1	717	0.03	< 10	< 10	9	< 5	33
359516	205 238	141	0.07	62	1730	14	5	< 1	914	0.04	< 10	10	57	5	292
359517	205 238	4	0.09	16	1840	2	5	< 1	491	0.03	< 10	< 10	6	< 5	15
359518	205 238	4	0.17	30	2940	14	10	< 1	350	0.04	< 10	< 10	12	5	30
359519	205 238	2	0.18	25	1670	4	5	1	444	0.07	< 10	< 10	23	< 5	21
359520	205 238	2	0.24	22	1260	12	5	< 1	331	0.06	< 10	< 10	11	< 5	23
359521	205 238	13	0.23	39	1660	10	5	1	267	0.08	< 10	< 10	36	< 5	15
359522	205 238	8	0.24	35	2310	4	10	< 1	274	0.08	< 10	< 10	28	< 5	105
359523	205 238	58	0.17	45	1850	10	5	< 1	405	0.05	< 10	< 10	40	5	12
359524	205 238	52	0.28	34	1800	< 2	5	< 1	501	0.05	< 10	< 10	12	< 5	34
359525	205 238	15	0.30	37	1630	< 2	5	< 1	443	0.03	< 10	< 10	9	5	19
359526	205 238	2	0.21	27	1980	8	20	< 1	439	0.05	< 10	< 10	7	< 5	34
359527	205 238	2	0.24	33	2120	< 2	5	< 1	565	0.05	< 10	< 10	7	5	55
359528 87-1	205 238	6	0.26	46	1000	2	5	< 1	523	0.06	< 10	< 10	16	5	416
359529	205 238	5	0.24	48	1110	4	10	< 1	526	0.04	< 10	< 10	15	< 5	522
359530 M	205 238	1	0.26	18	1910	< 2	5	1	527	0.04	< 10	< 10	3	< 5	111
359531	205 238	< 1	0.27	17	1560	2	5	< 1	483	0.04	< 10	< 10	4	< 5	298
359532	205 238	2	0.09	19	1010	< 2	5	< 1	417	0.04	< 10	< 10	4	< 5	317
359533	205 238	1	0.15	20	1650	< 2	5	< 1	675	0.02	< 10	< 10	4	5	206
359534	205 238	2	0.14	34	1340	< 2	5	< 1	368	0.04	< 10	< 10	4	5	1055
359535	205 238	1	0.10	29	1930	18	5	< 1	343	0.03	< 10	< 10	4	5	599
359536	205 238	< 1	0.09	20	1520	8	5	< 1	623	0.02	< 10	< 10	3	< 5	106
359537	205 238	1	0.16	45	1470	2	< 5	< 1	386	0.04	< 10	< 10	4	5	64
359538	205 238	1	0.10	35	1090	8	5	< 1	392	0.04	< 10	< 10	7	10	680
359539	205 238	1	0.12	28	1800	4	5	< 1	464	0.02	< 10	< 10	4	< 5	206
359540	205 238	1	0.09	19	1300	2	5	< 1	767	0.02	< 10	< 10	3	5	440

CERTIFICATION : B. Caughlin

Chemex Labs Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 BROOKSBANK AVE., NORTH VANCOUVER,
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To: CHEVRON CANADA RESOURCES LTD.
MINERALS STAFF
[illegible]00 - 1055 W. HASTINGS ST.
VANCOUVER, B.C.
V6E 2E9
Project : M579
Comments: CC: S. McALLISTER

Date : 24-OCT-88
Invoice # : I-8825741
P.O. # : 30610

CERTIFICATE OF ANALYSIS A8825741

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
359541	205	238	290	0.79	2.4	630	30	< 0.5	< 2	>15.00	2.5	5	41	635	0.69	20	< 1	0.06	< 10	0.07	211
359542	205	238	225	0.75	1.2	325	20	< 0.5	2	>15.00	3.0	3	45	291	0.48	20	< 1	0.03	< 10	0.04	251
359543	205	238	5	1.52	1.4	50	30	< 0.5	< 2	11.65	14.0	6	45	125	1.31	20	< 1	0.03	< 10	0.15	319
359544	205	238	< 5	1.50	1.6	75	50	< 0.5	< 2	5.01	4.5	8	71	112	1.20	10	1	0.05	< 10	0.11	139
359545	205	238	< 5	1.20	1.2	40	40	< 0.5	4	11.00	5.0	7	32	105	0.78	20	< 1	0.01	< 10	0.04	209
359546	205	238	< 5	0.96	0.4	10	10	< 0.5	< 2	>15.00	< 0.5	3	16	18	0.33	30	< 1	0.01	< 10	0.06	156
359547	205	238	< 5	0.69	0.6	15	30	< 0.5	2	>15.00	< 0.5	2	10	8	0.20	30	2	0.02	< 10	0.06	170
359548	205	238	< 5	1.20	0.6	45	70	< 0.5	< 2	12.00	< 0.5	3	26	37	0.67	20	< 1	0.08	< 10	0.10	186
359549	205	238	5	1.64	2.2	25	30	< 0.5	< 2	5.80	3.0	7	48	68	1.81	10	< 1	0.04	< 10	0.04	131
359550	205	238	10	1.81	2.0	35	50	0.5	< 2	8.93	3.0	7	48	78	1.76	20	2	0.05	< 10	0.11	231
359551	205	238	10	1.78	2.4	5	30	0.5	< 2	7.98	1.5	8	74	82	2.02	20	1	0.04	< 10	0.05	261
359552	205	238	< 5	1.84	1.4	10	30	< 0.5	4	9.96	1.0	5	82	60	1.46	20	< 1	0.05	< 10	0.02	274
359553	205	238	10	2.60	1.8	5	40	0.5	< 2	6.60	1.5	7	88	72	1.84	10	< 1	0.06	< 10	0.02	167
359554	205	238	20	2.72	2.0	5	70	0.5	< 2	7.64	2.5	7	131	82	1.92	20	< 1	0.08	< 10	0.02	208
359555	205	238	30	3.03	2.2	< 5	50	0.5	2	7.25	1.5	8	92	78	2.16	20	< 1	0.05	< 10	0.03	166
359556	205	238	< 5	2.01	1.6	25	50	0.5	< 2	12.30	2.5	6	59	59	1.29	20	< 1	0.07	< 10	0.06	317
359557	205	238	< 5	2.03	2.0	15	40	0.5	< 2	9.62	2.0	5	69	61	1.29	20	< 1	0.07	< 10	0.03	228
359558	205	238	< 5	1.55	1.2	15	390	< 0.5	< 2	6.99	< 0.5	8	57	57	2.13	10	< 1	0.21	< 10	0.88	224
359559	205	238	10	4.71	1.4	5	140	0.5	< 2	5.12	0.5	9	73	65	2.36	20	< 1	0.18	< 10	0.22	113
359560	205	238	15	2.68	1.2	15	120	0.5	< 2	5.95	0.5	6	81	57	1.95	10	< 1	0.19	< 10	0.27	233
359561	205	238	15	2.01	1.4	25	80	0.5	2	6.85	1.5	9	88	95	2.01	20	1	0.10	< 10	0.15	241
359562	205	238	20	1.81	1.4	30	60	0.5	< 2	9.92	1.5	7	68	66	1.33	20	< 1	0.08	< 10	0.37	315
359563	205	238	15	2.41	1.6	5	40	0.5	< 2	6.50	1.0	10	85	69	2.35	20	< 1	0.08	< 10	0.03	242
359564	205	238	15	1.43	1.8	70	30	< 0.5	4	14.25	1.0	7	67	56	1.53	20	< 1	0.05	< 10	0.03	447
359565	205	238	10	2.28	1.8	80	120	0.5	< 2	11.55	0.5	7	58	54	1.47	20	< 1	0.18	< 10	0.26	303
359566	205	238	< 5	2.12	1.0	70	50	0.5	< 2	7.20	1.0	7	88	56	1.40	20	3	0.08	< 10	0.04	296
359567	205	238	< 5	1.82	1.0	95	60	0.5	< 2	>15.00	0.5	2	45	44	0.95	30	< 1	0.08	< 10	0.21	303
359568	205	238	< 5	2.05	1.0	120	60	0.5	< 2	12.00	1.0	6	56	48	1.14	20	1	0.07	< 10	0.46	413
359569 87-1	205	238	< 5	2.96	1.8	25	40	0.5	< 2	6.11	1.5	12	57	100	3.24	20	< 1	0.06	< 10	0.03	170
359570	205	238	15	2.31	1.4	130	50	0.5	< 2	10.40	1.5	9	84	66	1.75	20	< 1	0.07	< 10	0.03	308
359571 M	205	238	< 5	2.93	0.6	65	40	0.5	< 2	6.21	0.5	10	90	70	2.11	20	< 1	0.06	< 10	0.04	197
359572	205	238	5	1.79	1.2	85	40	0.5	< 2	>15.00	0.5	2	54	47	1.11	30	< 1	0.06	< 10	0.03	479
359573	205	238	< 5	2.90	1.2	80	60	0.5	< 2	10.75	1.0	7	85	48	1.56	20	< 1	< 0.01	< 10	0.52	355
359574	205	238	15	3.19	0.8	75	300	0.5	< 2	6.08	< 0.5	7	47	52	1.97	20	< 1	0.07	< 10	1.30	407
359575	205	238	< 5	2.33	0.4	60	150	0.5	< 2	5.75	0.5	7	88	41	1.62	10	< 1	0.02	< 10	0.37	278
359576	205	238	< 5	2.13	1.0	60	590	0.5	4	7.24	< 0.5	7	54	43	1.52	20	< 1	0.14	< 10	0.88	333
359577	205	238	10	1.90	1.2	50	260	0.5	< 2	5.46	1.0	9	72	62	1.96	10	< 1	0.04	< 10	0.30	230
359578	205	238	< 5	1.23	1.0	135	190	< 0.5	< 2	10.75	< 0.5	7	32	62	1.21	20	< 1	0.08	< 10	0.28	247
359579	205	238	5	0.90	0.8	50	150	< 0.5	2	>15.00	0.5	3	27	35	0.93	20	< 1	0.11	< 10	0.55	311
359580	205	238	10	1.34	0.8	100	90	< 0.5	< 2	8.79	< 0.5	8	46	63	1.69	20	< 1	0.11	< 10	0.24	204

CERTIFICATION : B. Caglioni

Chemex Labs Ltd.
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To: CHEVRON CANADA RESOURCES LTD
[illegible]NERALS STAFF
[illegible]00 - 1055 W. HASTINGS ST.
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CERTIFICATE OF ANALYSIS A8825741

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
359541	205	238	2	0.15	24	2160	12	10	< 1	588	0.03	< 10	< 10	9	5	141
359542	205	238	2	0.09	22	1890	6	5	< 1	509	0.02	< 10	< 10	7	< 5	224
359543	205	238	< 1	0.14	27	1240	< 2	< 5	1	430	0.04	< 10	< 10	10	5	1105
359544	205	238	1	0.19	29	980	2	5	1	363	0.06	< 10	< 10	11	< 5	376
359545	205	238	1	0.05	31	1200	12	5	1	416	0.07	< 10	< 10	10	< 5	374
359546	205	238	< 1	0.05	10	950	8	5	< 1	943	0.01	< 10	< 10	1	< 5	18
359547	205	238	< 1	0.06	5	750	12	5	< 1	1080	0.01	< 10	< 10	3	5	16
359548	205	238	1	0.23	18	1390	10	< 5	< 1	635	0.04	< 10	< 10	3	5	15
359549	205	238	3	0.20	38	1100	18	5	1	487	0.04	< 10	< 10	9	5	116
359550	205	238	4	0.17	38	1450	20	5	1	552	0.04	< 10	< 10	12	5	153
359551	205	238	3	0.27	48	1650	18	10	1	733	0.06	< 10	< 10	18	5	123
359552	205	238	1	0.25	44	2180	6	5	1	689	0.06	< 10	< 10	17	5	107
359553	205	238	3	0.33	40	1600	12	10	1	651	0.08	< 10	< 10	22	5	143
359554	205	238	5	0.30	46	1660	6	10	2	670	0.11	< 10	< 10	27	5	154
359555	205	238	2	0.28	35	1800	2	5	1	678	0.10	< 10	< 10	20	10	112
359556	205	238	3	0.27	36	2470	< 2	10	1	844	0.06	< 10	< 10	17	5	114
359557	205	238	3	0.33	37	1330	< 2	10	1	880	0.07	< 10	< 10	16	5	117
359558	205	238	1	0.24	26	1000	12	10	1	627	0.08	< 10	< 10	20	< 5	77
359559	205	238	3	0.49	41	1050	< 2	5	2	1215	0.15	< 10	< 10	22	< 5	94
359560	205	238	3	0.38	42	1360	6	10	3	720	0.08	< 10	< 10	16	< 5	93
359561	205	238	3	0.28	64	1770	6	10	1	651	0.07	< 10	< 10	22	10	127
359562	205	238	4	0.26	52	1310	10	10	1	691	0.05	< 10	< 10	14	10	142
359563 87-1	205	238	2	0.38	46	1310	18	10	2	542	0.09	< 10	< 10	18	10	128
359564	205	238	2	0.27	36	1510	16	10	2	777	0.07	< 10	< 10	19	10	110
359565 M	205	238	2	0.32	41	1660	14	5	1	979	0.07	< 10	< 10	14	10	85
359566	205	238	2	0.25	51	1400	22	5	1	537	0.08	< 10	< 10	14	15	131
359567	205	238	2	0.29	36	1850	8	10	1	1170	0.05	< 10	< 10	12	10	107
359568	205	238	2	0.19	48	1460	8	5	2	841	0.05	< 10	< 10	17	5	101
359569	205	238	3	0.22	49	980	22	5	2	410	0.13	< 10	< 10	28	15	160
359570	205	238	4	0.24	56	1490	14	10	1	618	0.09	< 10	< 10	23	10	125
359571	205	238	2	0.25	45	1370	24	5	1	461	0.10	< 10	< 10	26	5	111
359572	205	238	2	0.17	41	1880	8	10	1	854	0.06	< 10	< 10	17	10	90
359573	205	238	2	0.02	40	1050	18	15	5	295	0.10	< 10	< 10	63	5	116
359574	205	238	2	0.03	33	1000	2	10	3	282	0.12	< 10	< 10	30	5	48
359575	205	238	3	0.01	38	950	4	10	4	157	0.08	< 10	< 10	36	5	65
359576	205	238	2	0.07	39	950	2	15	4	429	0.10	< 10	< 10	30	< 5	65
359577	205	238	3	0.05	50	1030	8	10	4	263	0.07	< 10	< 10	38	5	135
359578	205	238	2	0.13	38	1180	< 2	15	1	681	0.03	< 10	< 10	10	5	38
359579	205	238	1	0.09	22	1060	8	10	1	911	0.03	< 10	< 10	7	5	22
359580	205	238	1	0.16	42	1030	6	10	1	726	0.05	< 10	< 10	20	< 5	84

CERTIFICATION : B. Caughlin

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.
MINERALS STAFF
1[illegible] - 1055 W. HASTINGS ST.
VANCOUVER, B.C.
V6E 2E9

Project : MS79
Comments: CC: S. MCALLISTER

Page No. : 1-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
DD8S-001	205	238	20	2.21	0.4	820	70	< 0.5	< 2	2.78	< 0.5	13	103	64	1.18	10	< 1	0.28	< 10	0.40	165
DD8S-002	205	238	20	1.92	0.4	500	60	< 0.5	< 2	2.00	< 0.5	13	96	89	1.66	10	1	0.12	< 10	0.18	65
DD8S-003	205	238	15	2.38	0.4	215	80	< 0.5	< 2	2.50	< 0.5	7	74	74	1.35	10	< 1	0.14	< 10	0.08	77
DD8S-004 TR1	205	238	15	2.06	0.2	185	180	< 0.5	< 2	1.22	< 0.5	12	160	95	2.34	< 10	1	1.01	10	1.51	162
DD8S-005 M	205	238	20	3.13	0.4	630	110	< 0.5	< 2	2.71	< 0.5	21	68	57	1.17	10	< 1	0.26	< 10	0.21	78
DD8S-006	205	238	10	2.98	0.4	255	90	< 0.5	< 2	2.87	< 0.5	13	50	94	1.43	10	< 1	0.15	< 10	0.12	108
DD8S-007	205	238	15	2.27	0.4	460	90	< 0.5	< 2	2.57	< 0.5	13	86	160	1.60	10	< 1	0.13	< 10	0.11	85
DD8S-008	205	238	10	2.17	0.2	215	100	< 0.5	< 2	2.50	< 0.5	11	57	104	1.03	10	< 1	0.12	< 10	0.09	96
DD8S-009	205	238	< 5	2.30	0.2	180	130	< 0.5	< 2	3.71	0.5	7	66	56	1.01	< 10	1	0.32	< 10	0.47	184
DD8S-010	205	238	5	5.79	0.4	140	600	< 0.5	< 2	2.73	< 0.5	27	338	287	4.69	< 10	2	1.65	< 10	3.78	280
DD8S-011	205	238	< 5	1.32	0.2	95	180	< 0.5	< 2	1.00	< 0.5	10	120	105	2.10	< 10	< 1	0.39	< 10	0.73	168
DD8S-012	205	238	15	6.22	0.8	185	770	< 0.5	< 2	4.27	< 0.5	19	315	254	3.50	< 10	< 1	1.67	< 10	3.67	228
DD8S-013	205	238	20	1.60	0.4	150	80	< 0.5	< 2	5.18	< 0.5	6	60	60	0.67	< 10	< 1	0.13	< 10	0.21	397
DD8S-014	205	238	50	1.43	0.6	400	70	< 0.5	< 2	2.29	0.5	12	52	79	0.80	< 10	1	0.12	< 10	0.13	123
DD8S-015	205	238	5	2.23	0.2	50	310	< 0.5	< 2	0.55	< 0.5	8	72	59	2.80	< 10	< 1	1.50	< 10	1.90	305
DD8S-016	205	238	25	2.16	0.4	160	130	< 0.5	< 2	2.70	< 0.5	10	61	86	1.33	< 10	1	0.33	< 10	0.39	169
DD8S-017	205	238	15	0.82	1.2	90	60	< 0.5	< 2	1.36	< 0.5	7	52	36	0.58	< 10	< 1	0.06	< 10	0.06	84
DD8S-018	205	238	15	1.48	1.2	105	90	< 0.5	< 2	2.65	0.5	11	65	69	1.18	< 10	1	0.08	< 10	0.21	181
DD8S-019	205	238	< 5	1.04	1.0	60	60	0.5	< 2	2.72	0.5	11	67	96	0.85	10	< 1	0.08	< 10	0.10	195
DD8S-020	205	238	5	0.77	0.4	70	80	< 0.5	< 2	3.06	0.5	8	60	37	0.47	10	< 1	0.07	< 10	0.06	193
DD8S-021	205	238	10	0.52	0.4	75	80	< 0.5	< 2	2.65	0.5	7	64	37	0.47	< 10	< 1	0.06	< 10	0.06	180
DD8S-022	205	238	125	1.04	0.4	60	100	< 0.5	< 2	1.69	0.5	9	49	55	0.63	< 10	< 1	0.08	< 10	0.16	229
DD8S-023	205	238	35	1.23	1.2	80	90	0.5	< 2	3.34	0.5	10	41	133	0.88	< 10	< 1	0.11	< 10	0.20	269
DD8S-024	205	238	5	1.95	1.0	30	90	1.5	< 2	1.66	< 0.5	14	106	108	2.48	10	< 1	0.20	< 10	0.30	64
DD8S-025	205	238	10	1.12	1.4	35	60	1.5	< 2	0.91	< 0.5	12	130	116	3.01	10	< 1	0.20	10	0.62	70
DD8S-026	205	238	25	0.94	3.2	40	60	1.0	< 2	1.70	1.5	11	114	107	2.16	10	< 1	0.12	10	0.23	110
DD8S-027	205	238	< 5	1.51	0.2	120	70	< 0.5	< 2	3.65	0.5	7	58	15	0.33	10	< 1	0.08	< 10	0.05	165
DD8S-028	205	238	< 5	0.74	0.8	110	100	< 0.5	< 2	3.08	1.0	8	98	19	0.41	< 10	1	0.10	< 10	0.08	128
DD8S-029	205	238	15	2.15	2.0	325	110	< 0.5	< 2	2.76	1.0	13	54	184	1.33	10	1	0.10	< 10	0.17	204
DD8S-030	205	238	< 5	1.09	0.6	40	150	< 0.5	< 2	1.34	1.0	11	82	51	1.99	10	< 1	0.09	10	0.16	144
DD8S-031	205	238	10	1.03	0.4	140	80	< 0.5	< 2	0.94	< 0.5	14	117	51	2.54	< 10	< 1	0.15	10	0.44	78
DD8S-032	205	238	< 5	0.96	0.8	45	80	< 0.5	< 2	1.17	0.5	12	108	105	2.38	< 10	< 1	0.08	10	0.16	73
DD8S-033	205	238	< 5	2.24	0.8	85	60	< 0.5	< 2	1.89	< 0.5	9	124	148	1.65	< 10	< 1	0.13	< 10	0.16	51
DD8S-034	205	238	< 5	1.37	0.4	85	70	< 0.5	< 2	4.36	0.5	13	102	115	2.09	< 10	< 1	0.22	< 10	0.34	106
DD8S-035	205	238	< 5	1.47	0.6	5	110	0.5	< 2	0.81	< 0.5	11	191	64	2.98	< 10	< 1	0.60	10	0.97	97
DD8S-036	205	238	10	3.05	1.2	90	90	0.5	< 2	4.40	0.5	13	110	184	0.77	10	< 1	0.12	< 10	0.17	126
DD8S-037	205	238	10	1.01	0.6	70	60	< 0.5	< 2	6.71	0.5	6	117	88	0.38	< 10	< 1	0.08	< 10	0.15	174
DD8S-038	205	238	15	0.95	0.6	85	30	< 0.5	< 2	8.77	0.5	4	83	31	0.16	< 10	< 1	0.04	< 10	0.04	205
DD8S-039	205	238	15	1.34	0.4	40	50	< 0.5	< 2	6.57	< 0.5	4	77	65	0.37	< 10	< 1	0.06	< 10	0.31	136
DD8S-040	205	238	< 5	1.17	0.6	20	60	< 0.5	< 2	2.36	< 0.5	5	170	80	0.55	10	< 1	0.04	10	0.49	146

CERTIFICATION : B. Caughlin

Chemex Labs Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 BROOKSBANK AVE., NORTH VANCOUVER,
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PHONE (604) 984-0221

To: CHEVRON CANADA RESOURCES LTD.
M[illegible]RALS STAFF
I[illegible] - 1055 W. HASTINGS ST.
VANCOUVER, B.C.
V6E 2E9
Project : M579
Comments: CC: S. MCALLISTER

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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
DD8S-001	205	238	7	0.37	40	1800	8	5	3	144	0.17	< 10	< 10	38	< 5	43
DD8S-002	205	238	2	0.35	35	980	< 2	5	2	144	0.24	< 10	< 10	35	< 5	22
DD8S-003	205	238	3	0.47	30	1300	24	5	1	197	0.23	< 10	< 10	24	< 5	25
DD8S-004	205	238	5	0.18	50	1160	4	10	9	115	0.45	< 10	< 10	141	< 5	39
DD8S-005	205	238	5	0.62	28	1510	< 2	10	2	290	0.25	< 10	< 10	35	< 5	24
DD8S-006	205	238	3	0.54	32	1370	6	5	2	306	0.23	< 10	< 10	28	< 5	25
DD8S-007	205	238	5	0.40	32	1270	6	5	2	160	0.22	< 10	< 10	35	< 5	25
DD8S-008	205	238	2	0.42	25	1050	< 2	< 5	2	194	0.18	< 10	< 10	21	< 5	24
DD8S-009	205	238	3	0.50	20	710	2	5	2	319	0.18	< 10	< 10	31	< 5	24
DD8S-010	205	238	2	0.47	121	750	< 2	5	5	530	0.34	< 10	< 10	104	< 5	48
DD8S-011	205	238	3	0.26	20	840	2	5	6	111	0.29	< 10	< 10	63	< 5	25
DD8S-012	205	238	1	0.28	132	770	< 2	10	4	512	0.34	< 10	< 10	113	< 5	34
DD8S-013	205	238	1	0.32	32	1680	2	< 5	1	141	0.14	< 10	< 10	19	< 5	25
DD8S-014	205	238	1	0.26	18	970	16	< 5	1	123	0.08	< 10	< 10	13	< 5	22
DD8S-015	205	238	1	0.17	11	440	< 2	5	20	66	0.28	< 10	< 10	118	< 5	44
DD8S-016	205	238	3	0.38	29	1020	4	5	4	227	0.15	< 10	< 10	33	< 5	20
DD8S-017	205	238	2	0.08	20	1020	62	5	1	40	0.14	< 10	< 10	17	< 5	23
DD8S-018	205	238	4	0.16	25	980	30	5	3	112	0.17	< 10	< 10	30	< 5	32
DD8S-019	205	238	4	0.18	25	1130	26	5	1	145	0.16	10	< 10	23	< 5	22
DD8S-020	205	238	3	0.21	19	1090	8	< 5	1	116	0.16	< 10	< 10	19	< 5	15
DD8S-021	205	238	1	0.16	23	970	14	< 5	1	70	0.11	< 10	< 10	18	< 5	18
DD8S-022	205	238	1	0.18	20	950	14	< 5	1	126	0.12	10	< 10	19	< 5	21
DD8S-023	205	238	2	0.31	23	1040	22	< 5	1	188	0.15	10	< 10	21	< 5	28
DD8S-024	205	238	4	0.18	37	1060	16	5	3	279	0.26	10	< 10	62	< 5	18
DD8S-025	205	238	5	0.12	36	920	10	5	4	64	0.28	10	< 10	74	< 5	25
DD8S-026	205	238	3	0.13	39	1350	42	< 5	2	69	0.29	10	< 10	58	< 5	100
DD8S-027	205	238	3	0.24	20	1350	6	< 5	1	128	0.15	< 10	< 10	17	< 5	19
DD8S-028	205	238	3	0.28	22	870	16	< 5	1	104	0.19	< 10	< 10	20	< 5	41
DD8S-029	205	238	3	0.12	24	1020	20	5	2	121	0.22	< 10	< 10	28	< 5	56
DD8S-030	205	238	3	0.13	23	1080	10	< 5	3	180	0.25	< 10	< 10	37	< 5	28
DD8S-031	205	238	8	0.19	34	890	4	5	4	99	0.25	< 10	< 10	53	< 5	24
DD8S-032	205	238	3	0.11	28	890	10	< 5	4	89	0.23	< 10	< 10	43	< 5	25
DD8S-033	205	238	4	0.25	21	940	12	< 5	2	195	0.17	10	10	28	< 5	21
DD8S-034	205	238	1	0.08	25	780	10	< 5	5	104	0.22	< 10	< 10	61	< 5	42
DD8S-035	205	238	2	0.16	32	610	14	5	10	82	0.28	< 10	< 10	89	< 5	25
DD8S-036	205	238	1	0.11	19	1340	26	5	5	188	0.18	< 10	< 10	59	< 5	23
DD8S-037	205	238	1	0.10	30	1460	4	< 5	2	191	0.14	< 10	< 10	27	< 5	26
DD8S-038	205	238	3	0.14	22	1640	6	< 5	1	218	0.09	10	< 10	13	5	14
DD8S-039	205	238	1	0.15	23	1480	8	< 5	2	143	0.16	< 10	< 10	49	< 5	36
DD8S-040	205	238	1	0.03	32	1510	86	5	2	73	0.15	< 10	< 10	55	< 5	39

CERTIFICATION : B. Caughlin

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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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
DD8S-041	205	238	15	0.98	0.6	95	50	< 0.5	< 2	2.73	0.5	5	86	61	0.33	< 10	< 1	0.04	10	0.34	148
DD8S-042	205	238	25	0.89	0.6	30	30	< 0.5	< 2	3.65	< 0.5	3	74	34	0.24	10	< 1	0.03	< 10	0.11	114
DD8S-043	205	238	15	0.97	0.6	40	110	< 0.5	< 2	2.16	< 0.5	3	76	17	0.29	< 10	< 1	0.13	< 10	0.17	114
DD8S-044	205	238	10	0.37	0.6	20	30	< 0.5	< 2	9.48	1.0	2	44	24	0.23	< 10	< 1	0.02	< 10	0.07	147
DD8S-045	205	238	10	0.76	0.6	40	20	< 0.5	< 2	9.90	2.0	2	77	23	0.40	< 10	1	0.02	< 10	0.11	164
DD8S-046	205	238	90	0.76	0.2	45	10	< 0.5	< 2	11.85	0.5	2	54	28	0.45	< 10	1	< 0.01	< 10	0.13	183
DD8S-047	205	238	580	1.87	0.6	190	20	< 0.5	< 2	>15.00	0.5	5	57	199	0.66	< 10	< 1	< 0.01	< 10	0.25	327
DD8S-048	205	238	10	0.44	0.4	5	30	< 0.5	< 2	11.45	0.5	1	57	62	0.28	< 10	< 1	0.02	< 10	0.19	160
DD8S-049	205	238	5	0.42	1.0	10	60	< 0.5	< 2	5.26	0.5	4	81	175	0.48	< 10	< 1	0.03	< 10	0.11	104
DD8S-050	205	238	40	2.32	0.6	25	80	< 0.5	< 2	4.86	0.5	9	67	244	0.98	< 10	< 1	0.23	< 10	0.46	151
DD8S-051	205	238	1020	1.06	1.0	25	40	< 0.5	< 2	>15.00	2.0	3	20	296	0.42	< 10	< 1	0.05	< 10	0.19	193
DD8S-052	205	238	< 5	0.55	0.4	20	70	< 0.5	< 2	1.80	< 0.5	3	65	57	0.39	< 10	< 1	0.05	10	0.29	89
DD8S-053	205	238	20	1.80	0.8	10	190	< 0.5	< 2	2.66	0.5	5	39	86	0.81	< 10	< 1	0.19	10	0.40	310
DD8S-054	205	238	< 5	0.46	0.4	10	90	< 0.5	< 2	0.85	< 0.5	2	95	61	0.48	< 10	< 1	0.06	10	0.26	95
DD8S-055	205	238	5	0.46	0.4	15	90	< 0.5	< 2	0.95	< 0.5	7	56	249	1.19	< 10	< 1	0.08	10	0.21	48
DD8S-056	205	238	< 5	0.38	1.0	90	80	< 0.5	2	0.80	0.5	7	80	134	0.44	< 10	< 1	0.05	10	0.14	47
DD8S-057	205	238	20	0.59	0.4	20	40	< 0.5	< 2	1.54	0.5	1	42	37	0.18	< 10	< 1	0.03	10	0.07	70
DD8S-058	205	238	40	0.57	0.4	15	40	< 0.5	< 2	1.63	0.5	1	68	35	0.18	< 10	< 1	0.01	10	0.05	105
DD8S-059	205	238	25	1.02	0.8	10	30	< 0.5	< 2	3.04	< 0.5	5	87	188	0.59	10	< 1	0.01	< 10	0.08	124
DD8S-060	205	238	5	0.91	0.6	10	60	< 0.5	< 2	2.27	< 0.5	2	56	71	0.36	10	< 1	0.05	< 10	0.13	93
DD8S-061	205	238	85	0.97	0.8	20	40	< 0.5	< 2	2.21	< 0.5	4	67	201	0.47	10	< 1	0.01	20	0.08	80
DD8S-062	205	238	35	4.84	1.2	50	460	< 0.5	< 2	3.21	< 0.5	21	46	674	1.92	10	< 1	0.30	10	0.57	67
DD8S-063	205	238	30	1.53	1.4	70	270	< 0.5	< 2	1.84	< 0.5	9	65	287	1.05	< 10	< 1	0.16	20	0.42	106
DD8S-064 M	205	238	10	1.81	1.0	5	160	< 0.5	< 2	1.44	< 0.5	7	41	154	1.10	< 10	3	0.20	10	0.35	96
DD8S-065	205	238	20	0.57	0.6	15	60	< 0.5	< 2	2.30	< 0.5	1	67	68	0.23	< 10	< 1	0.03	20	0.12	123
DD8S-066	205	238	60	0.58	0.8	55	50	< 0.5	< 2	1.80	< 0.5	1	48	258	0.52	10	2	0.02	20	0.05	96
DD8S-067	205	238	80	0.57	0.6	5	40	< 0.5	< 2	1.63	< 0.5	1	51	161	0.45	10	< 1	0.02	20	0.09	96
DD8S-068 Pt-1	205	238	15	0.16	0.6	< 5	40	< 0.5	< 2	6.38	< 0.5	1	92	211	0.24	10	< 1	< 0.01	< 10	0.10	208
DD8S-069	205	238	20	0.31	0.6	5	50	< 0.5	< 2	1.69	< 0.5	1	56	103	0.23	10	< 1	0.02	20	0.16	139
DD8S-070	205	238	10	1.19	0.8	10	90	< 0.5	< 2	2.26	< 0.5	2	44	105	0.38	10	< 1	0.06	20	0.09	137
DD8S-071	205	238	25	1.23	0.8	20	110	< 0.5	< 2	1.93	< 0.5	5	84	102	0.59	10	2	0.09	20	0.16	99
DD8S-072	205	238	10	0.76	0.6	15	80	< 0.5	< 2	1.21	< 0.5	< 1	49	90	0.39	< 10	< 1	0.06	20	0.10	60

CERTIFICATION : B. Caughlin

Chemex Labs Ltd.
Analytical Chemists * Geochemists * Registered Assayers
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To : CHEVRON CANADA RESOURCES LTD.
MINERALS STAFF
1900 - 1055 W. HASTINGS ST.
VANCOUVER, B.C.
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		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
DD8S-041	205	238	2	0.11	37	2280	20	< 5	2	111	0.14	< 10	< 10	52	5	19
DD8S-042	205	238	5	0.12	9	1840	12	< 5	1	108	0.10	< 10	< 10	41	< 5	13
DD8S-043	205	238	3	0.16	14	1420	8	< 5	2	138	0.16	< 10	< 10	47	< 5	16
DD8S-044	205	238	2	0.06	14	1730	94	< 5	1	324	0.08	< 10	< 10	22	< 5	46
DD8S-045	205	238	94	0.03	44	2110	12	5	2	137	0.09	10	20	404	< 5	60
DD8S-046	205	238	18	0.01	31	1200	2	5	2	176	0.09	10	10	206	< 5	16
DD8S-047	205	238	137	0.05	102	3340	6	10	3	168	0.09	10	40	328	5	25
DD8S-048	205	238	1	0.04	11	2480	2	< 5	1	318	0.07	< 10	< 10	19	5	33
DD8S-049	205	238	4	0.07	36	4750	10	< 5	1	175	0.11	10	< 10	57	< 5	18
DD8S-050	205	238	2	0.11	18	1710	6	< 5	3	244	0.17	< 10	< 10	71	5	28
DD8S-051	205	238	2	0.07	13	1750	2	20	1	435	0.08	20	< 10	17	5	75
DD8S-052	205	238	< 1	0.09	10	1320	6	< 5	1	81	0.15	10	< 10	33	< 5	17
DD8S-053	205	238	< 1	0.30	17	2070	14	< 5	3	677	0.17	< 10	< 10	41	< 5	43
DD8S-054	205	238	< 1	0.05	12	1070	8	< 5	1	117	0.11	< 10	< 10	27	< 5	27
DD8S-055	205	238	5	0.09	26	1430	8	5	2	75	0.16	< 10	< 10	33	< 5	15
DD8S-056	205	238	5	0.12	32	1220	14	5	1	80	0.14	10	< 10	35	5	14
DD8S-057	205	238	1	0.06	8	1360	18	< 5	< 1	71	0.09	10	< 10	15	< 5	13
DD8S-058	205	238	< 1	0.04	7	1290	22	< 5	< 1	63	0.08	10	< 10	12	< 5	13
DD8S-059	205	238	2	0.03	18	2690	8	< 5	1	44	0.09	10	< 10	34	< 5	8
DD8S-060	205	238	1	0.04	8	1160	22	< 5	1	46	0.10	10	< 10	21	5	31
DD8S-061	205	238	1	0.06	25	2260	4	< 5	1	69	0.12	< 10	< 10	36	< 5	9
DD8S-062	205	238	106	0.74	51	960	14	5	2	944	0.23	< 10	< 10	110	< 5	28
DD8S-063	205	238	37	0.20	36	1410	16	5	2	152	0.19	< 10	< 10	71	< 5	32
DD8S-064	205	238	1	0.33	9	860	14	< 5	2	176	0.15	< 10	< 10	38	< 5	24
DD8S-065	205	238	1	0.12	10	1560	10	< 5	1	80	0.12	< 10	< 10	26	< 5	16
DD8S-066	205	238	< 1	0.04	18	2660	2	< 5	1	50	0.12	< 10	< 10	38	< 5	9
DD8S-067	205	238	< 1	0.04	15	2140	8	< 5	1	54	0.15	< 10	< 10	37	< 5	13
DD8S-068	205	238	1	0.03	10	2620	10	5	< 1	62	0.09	< 10	< 10	44	5	20
DD8S-069 TR-1	205	238	< 1	0.05	3	2380	12	< 5	1	63	0.13	< 10	< 10	29	< 5	12
DD8S-070	205	238	2	0.22	9	2900	14	5	1	172	0.12	< 10	< 10	31	< 5	17
DD8S-071	205	238	10	0.20	22	1010	14	< 5	1	142	0.16	< 10	< 10	46	< 5	18
DD8S-072	205	238	4	0.11	10	930	8	< 5	2	69	0.19	< 10	< 10	37	< 5	18

CERTIFICATION : B. Caplin

APPENDIX IV

ANALYTICAL TECHNIQUES

Chemex Labs Ltd.

Analytical Chemists *Geochemists* *Registered Assayers*

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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 taked up to a volume of 25 mls. The resulting solution is analysed via inductively coupled plasma atomic emmission spectroscopy.

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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 HNO_3 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

DRILL HOLE S87DH001

ROCK TYPE, ALTERATION, MINERALIZATION

SAMPLE NO. (S1-) (Depth, m)	ROCK TYPE, ALTERATION, MINERALIZATION	
15.0	ROCK TYPE:	Calc-hornfelsed siltstone
	ALTERATION:	Diopside, Scapolite, Wollastonite, Quartz, Tremolite, Calcite, Idocrase and/or Grossular; minor Sericite
	MINERALIZATION:	Pyrite and/or Pyrrhotite (1-2%)
24.0	ROCK TYPE:	Layered grey marble
	ALTERATION:	Calcite, Tremolite, Diopside, Scapolite, minor Sericite
	MINERALIZATION:	-
46.0	ROCK TYPE:	Calc-hornfelsed siltstone
	ALTERATION:	Scapolite, Diopside
	MINERALIZATION:	Pyrrhotite and/or Pyrite (1-2%)
97.0	ROCK TYPE:	Calc-hornfelsed siltstone
	ALTERATION:	Wollastonite, Tremolite, Calcite, Scapolite Diopside
	MINERALIZATION:	Pyrite(?) (1%)

SUMMARY OF PETROGRAPHIC SAMPLES, SIMILKAMEEN PROJECT

DRILL HOLE S88DH004

SAMPLE NO. (88-4-) (Depth, m)	ROCK TYPE, ALTERATION, MINERALIZATION	
12.23	ROCK TYPE:	Calc-hornfelsed siltstone
	ALTERATION:	Diopside (10-15%), Scapolite (20-25%), Epidote (5%)
	MINERALIZATION:	Pyrrhotite, Pyrite (5%)
20.00	ROCK TYPE:	Calc-silicate
	ALTERATION:	Prehnite (35%), Diopside (10-15%), Tremolite (30%), Grossular (5-7%), Quartz (2%), Dolomite/Calcite (5-10%), Chabazite(?) (<1%)
	MINERALIZATION:	Iron oxide(?) (1-2%)
26.80	ROCK TYPE:	Calc-hornfelsed siltstone
	ALTERATION:	Diopside (20-25%), Scapolite (15-20%), Tremolite (5%); trace Calcite, Chlorite, Clinozoisite
	MINERALIZATION:	Pyrite, Pyrrhotite (2-3%)
35.90	ROCK TYPE:	Biotite hornfels and Calc-hornfels
	ALTERATION:	Biotite hornfels - Biotite, Tremolite, Feldspar, Quartz; Calc-hornfels - Diopside, Feldspar, Quartz, Tourmaline; Veinlets - Tremolite, Feldspar, Quartz
	MINERALIZATION:	Pyrrhotite, Pyrite
41.80	ROCK TYPE:	Calc-hornfelsed tuff and Biotite hornfels
	ALTERATION:	Calc-hornfels - Diopside, Scapolite, Prehnite, Calcite; Biotite hornfels - Biotite, Tremolite, Tourmaline
	MINERALIZATION:	Pyrite (less than 1%)
54.20	ROCK TYPE:	Calc-hornfelsed tuff
	ALTERATION:	Diopside (40-50%), Scapolite (25-30%), Prehnite and Tremolite (10%), Quartz (5%), Carbonate
	MINERALIZATION	Pyrrhotite, Pyrite (5%)

Drill Hole S88DH004 (Cont'd)

137.50	ROCK TYPE:	Altered pebble conglomerate
	ALTERATION:	Wollastonite, Diopside, Scapolite, Calcite
	MINERALIZATION:	Pyrite (1-3%)
185.70	ROCK TYPE:	Altered porphyritic Hedley Intrusion
	ALTERATION:	Diopside (up to 20%), Tremolite (10%), Scapolite (10-15%), Biotite (3-5%), Sericite (3-5%)
	MINERALIZATION:	Pyrrhotite, Pyrite (3-5%)
191.50	ROCK TYPE:	Altered Hedley Intrusion
	ALTERATION:	Diopside (10-15%), Tremolite (10-15%), Scapolite (25-30%); trace Biotite, Sericite, Calcite veinlets
	MINERALIZATION:	Pyrrhotite, Pyrite (3%)
281.5	ROCK TYPE:	Altered Hedley Intrusion
	ALTERATION:	Scapolite, Diopside, Tremolite
	MINERALIZATION:	Pyrite and/or Pyrrhotite (1%)

PETROGRAPHIC REPORT by J.S. Getsinger, PhD

For: Chevron Minerals Ltd. Date: 88-11
Project: Similkameen - M579 Collector: S. McAllister
Sample: 88-4-12.23 Date Collected: 88-10

LOCATION: Similkameen project, Lost Horse 86 claim, S88DH004, 12.23 m depth

ROCK TYPE: Calc-hornfelsed siltstone

LITHOGEOCHEMISTRY: 61.93% SiO2, 12.74% Al2O3, 6.30% Fe2O3, 1.67% MgO, 9.92% CaO, 1.90% Na2O, 2.83% K2O, 0.69% TiO2, 1.64% P2O5, 0.06% MnO, 0.13% BaO, 1.25% L.O.I.; Total: 101.07%.

HAND SPECIMEN: Split NQ drill core sample (<10 cm). Aphanitic, pale lavender to greenish-grey, hornfelsed(?) siltstone. Fine-scale laminations (< 1 mm) and layering (<1 cm) may represent original bedding. Microfaults with observed displacement of >1 cm are locally mineralized with blebs of pyrrhotite and/or pyrite (up to 2 mm). Mineralized bedding planes and crosscutting fractures also include chalcopyrite and arsenopyrite(?) associated with minor green alteration minerals (chlorite?) and soft brownish-black submetallic material (streaks brownish-black on paper). Non-magnetic. No visible reaction to HCl, but H2S odor. Arsenopyrite(?) (silvery) appears finely distributed along bedding planes, whereas chalcopyrite (greenish yellow) occurs more in crosscutting blebs.

THIN SECTION (Polished):

% (Approx.) MINERALS

20-25 Quartz - Fine-grained to very fine-grained, poorly sorted subangular, in layers (clastic sedimentary texture); uniaxial(+)

20-25 Feldspar - Large, low relief, low biref., poikilitic grains forming background to much of rock.

10-15 Clinopyroxene (Diopside) - Locally fibrous and elongate, colourless, with inclined extinction (X' or Z' to c = 45 degrees), biref. = 0.023, medium-high relief. Associated with pyrrhotite in veinlets, and also distributed throughout, as higher relief blebs than scapolite.

20-25 Scapolite (Dipyre to Mizzonite) - Associated with pyrrhotite along veinlets; colourless, tabular to prismatic; parallel extinction; mottled biref. = 0.022. Length fast, with 1 cleavage parallel to length; uniaxial(-). Also occurs as poikilitic porphyroblastic masses. Between scapolite and pyrrhotite is a narrow reaction rim of a lower biref., lower relief mineral, possibly a more sodic scapolite.

1-2 Apatite(?) - Very low biref. (grey), small rectangular to rounded grains, colourless; in aggregate along a sedimentary layer; length fast, low to medium relief, uniaxial(-); no cleavage.

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5 Epidote (?) - Fine-grained, med.-high relief, greenish-yellow pleochroic, med. biref.

1-2 Clinozoisite - Anomalous blue biref., tabular, med.-high relief; occurs on late veinlet with opaques

5 Opaques - Pyrite and pyrrhotite; anhedral, skeletal blebs; intergrown

ROCK TEXTURES/STRUCTURES: Layers defined by grain size variations and compositional variation may reflect original bedding. Small grains (quartz and/or feldspar) are subangular, clastic. Larger porphyroblastic splotches are scapolite. Veinlets are crosscutting throughout, consisting of opaques, scapolite, and clinopyroxene.

PROTOLITH: Bedded siltstone

ALTERATION/MINERALIZATION: Alteration is mainly clinopyroxene and scapolite metasomatism. Mineralization consists of pyrite and/or pyrrhotite. There may be 2 stages of scapolite alteration, a first Ca-rich phase, the second more sodic.

CONDITIONS OF FORMATION: Siltstone deposited in possible turbiditic environment. Hot metasomatic fluids brought pyrrhotite, scapolite, diopside in fractures (skarn formation). There may have been an alteration sequence of $CaCO_3$-rich fluids first, followed by minor sodic fluids. A scapolite-diopside assemblage is stable in hornblende-hornfels facies conditions.

PETROGRAPHIC REPORT by J.S. Getsinger, PhD

For: Chevron Minerals Ltd. Date: 88-11
Project: Similkameen - M579 Collector: S. McAllister
Sample: 88-4-20.00 Date Collected: 88-10

LOCATION: Similkameen project, Lost Horse 86 claim, S88DH004, 20.00 m depth

ROCK TYPE: Calc-silicate

LITHOGEOCHEMISTRY: 49.70% SiO2, 11.49% Al2O3, 3.07% Fe2O3, 6.57% MgO, 20.98% CaO, 0.22% Na2O, 0.58% K2O, 0.48% TiO2, 0.21% P2O5, 0.18% MnO, <0.01% BaO, 5.71% L.O.I.; Total: 99.21%.

HAND SPECIMEN: Split NQ drill core sample (10 cm). White to pale pink, earthy clay(?)-altered medium to coarse-grained (grain size 1 to 2 mm) rock looks like altered arkosic grit or granite. Rock is composed of about 50% greenish-grey, hard, quartz-like mineral, but with cleavage, and 50% white to pink, soft, clay(?)-altered feldspar(?), with less than 1% finely-disseminated black grains. Rock reacts vigorously to HCl due to numerous tiny calcite veinlets and calcite-alteration around grain boundaries. Non-magnetic.

THIN SECTION:

% (Approx.) MINERALS

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35 Prehnite - Ca2Al[AlSi3O10](OH)2 - Near parallel extinction; biref. = 0.023, turbid, with tiny inclusions, large rectangular to anhedral grains, with lower relief than clinopyroxene; (+)2V = 60-70; length fast; strong extinction dispersion; appears to be replacing a mineral with good cleavage parallel to the length (feldspar?).

10-15 Clinopyroxene (Diopside) - CaMgSi2O6 - Medium-high relief, inclined extinction (X' to c = 34 to 38 degrees); grains broken up into rounded fragments. Medium (+)2V. Alteration around larger grains that are now prehnite.

30 Amphibole(?) - Ca2Mg5Si8O22(OH)2 + Fe2O3 (?) - Large grains, ragged and fibrous-textured, with patchy, superimposed strong brown absorption (no figure) due to alteration. Looks pink in hand specimen. Slightly inclined extinction (Z' to c = 17 degrees); cleavage; length slow; biref. = 0.020; medium (+) relief; possibly altered amphibole.

5-7 Garnet (Grossular) - Ca3Al2Si3O12 - High relief, isotropic to somewhat birefringent, anhedral, skeletal, associated with brown mineral; colourless to greenish.

5-10 Calcite (CaCO3) +_ Dolomite (CaMg(CO3)2) - In veinlets (less than 0.5 mm), and as late alteration; some carbonate has higher relief.

2 Quartz - SiO2 - Low biref., colourless, uniaxial(+), occurs interstitially to clinopyroxene and brown mineral

---

1 Chabazite(?) - $Ca[Al_2Si_4O_{12}].6H_2O$ - Brownish-dull to very deep bluish purple anomalous birefringence; colourless; occurs in straight-sided grains in vein surrounding calcite; parallel extinction, length fast, (+)2V = 0 to 10; 1 cleavage parallel to length. Relief same as balsam to slightly negative. Calcite crosscuts it.

1-2 Opaques - Very fine opaque dust; could be iron oxide

ROCK TEXTURES/STRUCTURES: Coarse crystalline texture may be relict granular texture, or metamorphic overprint.

PROTOLITH: Argillaceous siliceous dolomite(?), tuff(?), or plagioclase - tremolite rock with coarsely crystalline texture.

ALTERATION/MINERALIZATION: No mineralization was noted. Alteration involved influx of water and CO_2, possibly $CaCO_3$, and SiO_2. Reactions might have included the following (unbalanced):

Plagioclase + H_2O = Prehnite (T = 300 degrees C; P less than 200-300 MPa)

Tremolite + Quartz + Calcite = Diopside + H_2O + CO_2
(at low P, T = 500-550 degrees C)

Anorthite + Tremolite + Quartz + Calcite = Diopside + Grossular + H_2O + CO_2

Grossular + Calcite + Quartz are stable at P = 200 MPa, T = 400-600 degrees C, and XCO_2 at 0.02 to 0.2.

Calcite + Diopside + Tremolite can be stable at T = 230 to 260 degrees C at low P = 100 MPa.

CONDITIONS OF FORMATION: Calc-silicate reactions occurred at low pressures (less than about 300 MPa) and T from 300 to 600 degrees C. Reaction textures are complex, but it appears that the diopside is later than the prehnite, and the quartz and calcite are very late. Various episodes of metasomatism or hydrothermal alteration may be represented.

PETROGRAPHIC REPORT by J.S. Getsinger, PhD

For: Chevron Minerals Ltd. Date: 88-11
Project: Similkameen - M579 Collector: S. McAllister
Sample: 88-4-26.80 Date Collected: 88-10

LOCATION: Similkameen project, Lost Horse 86 claim, S88DH004, 26.80 m depth

ROCK TYPE: Calc-hornfelsed siltstone

LITHOGEOCHEMISTRY: 64.14% SiO_2, 11.68% Al_2O_3, 4..71% Fe_2O_3, 3.09% MgO, 9.42% CaO, 1.78% Na_2O, 2.82% K_2O, 0.52% TiO_2, 0.43% P_2O_5, 0.08% MnO, 0.19% BaO, 0.37% L.O.I.; Total: 99.24%.

HAND SPECIMEN: Split NQ drill core sample (<10 cm). Aphanitic, hard rock may be hornfelsed siltstone(?). Colour is mottled buff to greenish-grey, pale purplish-grey, and darker grey. Lighter-coloured zones are related to crosscutting veinlets (up to 1 to 2 mm) locally filled with weakly magnetic pyrrhotite, and rimmed with a fine-grained, dark mineral. Other fractures are coated with fine white crystals (with no reaction to HCl) or very fine-grained pyrite (or pyrrhotite). Sulphides are also very finely disseminated throughout. Resembles sample 88-4-12.23 except that no primary layering was noted.

THIN SECTION (Polished):

% (Approx.)	MINERALS
50-60	Feldspar and/or Quartz(?) - Extremely fine-grained, with grey birefringence, forming groundmass of siltstone
15-20	Scapolite - Forms porphyroblastic blebs that disappear into the grey groundmass when rotated (similar relief to quartz/feldspar). Med. biref., colourless, low relief; uniaxial(-); clearly associated with opaques; biref. = 0.021.
20-25	Clinopyroxene (Diopside) - Higher relief than scapolite, dirtier blebs, similar biref. (0.021).
5	Amphibole (Actinolite-Tremolite) - Colourless to pale green pleochroic prisms in one area, with biref. = 0.025, Z' to c = 11 degrees; random texture, fine-grained; near opaques; Z = pale green, Y = paler green, X = colourless, Z > Y > X. Clearly associated with fine opaque-filled veinlet for about 1 mm on either side.
Trace	Calcite - High biref., looks like carbonate
Trace	Chlorite - Pale green, low biref.
Trace	Clinozoisite - Anomalous blue biref., med.-high relief
2-3	Opaques - Pyrite - Fine-grained, disseminated and on fractures, anhedral, ragged, skeletal

ROCK TEXTURES/STRUCTURES: Very fine-grained, probably silty clastic texture. Diopside and scapolite are porphyroblastically superimposed on fine-grained protolith throughout; scapolite is clearly associated with disseminated opaques. Amphibole occurs in alteration halo 1 mm on either side of veinlets with opaques. No deformation textures.

PROTOLITH: Fine siltstone

ALTERATION/MINERALIZATION: Mineralization consists of finely disseminated and fracture pyrite, anhedral. Amphibole comes in with vein sulphides. Trace calcite, chlorite, and clinozoisite are locally associated with opaques. Alteration consists of superimposed diopside and scapolite indicating skarn metasomatism.

CONDITIONS OF FORMATION: Sedimentary depositional environment. Calc-silicate metasomatism with CO2-rich fluids (scapolite, diopside); amphibole with pyrite indicates hydrothermal alteration also.

PETROGRAPHIC REPORT by J.S. Getsinger, PhD

For: Chevron Minerals Ltd. Date: 88-11
Project: Similkameen - M579 Collector: S. McAllister
Sample: 88-4-35.90 Date Collected: 88-10

LOCATION: Similkameen project, Lost Horse 86 claim, S88DH004, 35.90 m depth

ROCK TYPE: Biotite hornfelsed siltstone with calc-hornfels alteration and pyritic veinlets

LITHOGEOCHEMISTRY: 58.75% SiO_2, 16.57% Al_2O_3, 4.95% Fe_2O_3, 3.62% MgO, 5.87% CaO, 4.72% Na_2O, 3.31% K_2O, 0.62% TiO_2, 0.31% P_2O_5, 0.05% MnO, 0.29% BaO, 0.42% L.O.I.; Total: 99.49%.

HAND SPECIMEN: Split NQ drill core sample (6 cm). Hard, aphanitic to very fine-grained hornfelsed siltstone(?). Pinkish-brown areas (biotite hornfels) are surrounded and crosscut by pale greenish-grey "calc-hornfels" clearly associated with veinlets (0.1 to 0.5 mm), subparallel to core axis, filled with fine-grained pyrite and/or pyrrhotite. Non-magnetic. Thin section slab shows a pyrrhotite veinlet (0.5 mm) crosscutting a grey zone (porphyritic dykelet?) about 5 to 6 mm wide with euhedral feldspar microphenocrysts (30%, <0.5 mm) and dark grains (20%), possibly hornblende microphenocrysts. Yellow staining is diffuse, indicating possible sericitization or K-feldspar, but does not stain the feldspar microphenocrysts in the dykelet. Fracture surfaces at high angles to core axis are coated with soft, white crystalline mineral, some of which reacts in HCl, indicating calcite; there may also be some gypsum. Rock in general does not react to HCl. The light greenish-grey areas appear coarser-grained than the brown areas, but textures are somewhat continuous between the two colour zones, suggesting a superimposed alteration.

THIN SECTION (Chip stained for K):

Note: Description is divided into 4 sections -- A: Brown hornfels; B: Calc-hornfels; C: Veinlets; D: Dykelet.

% (Approx.) MINERALS

70-75% A: Brown hornfels - Very fine-grained, with larger, circular clusters of opaques (clusters are less than 0.5 mm); probably hornfelsed siltstone.

2-4 Opaques - Finely disseminated square and rounded grains; commonly occurring in atolls filled with biotite and/or tremolite

30-40 Biotite - Small blocky shapes, pleochroic orange-brown to tan

15-20 Amphibole (Tremolite) - Sparsely distributed, poorly-formed prismatic to anhedral grains; colourless to very palest green pleochroism. Biref. = 0.027; Z' to c = 18 degrees; (-)2V about 60-70. Occurs around and between opaques; amphibole cross section.

40-45 Quartz and/or Feldspar (Albitic plagioclase?) - Low birefringent groundmass, low relief; some infilling between opaques may be feldspar, with 2V near 90.

10-15% B: Calc-hornfels: Bleached areas near veinlets (0.5 to 2 mm on either side of veinlets less tha 0.5 mm wide); very fine-grained, with very finely disseminated opaques and opaque dust.

5 Opaques - (1) Anhedral, equant, subrounded to squarish grains (pyrite?)
1-2 (2) Dust (extremely fine-grained opaques)

40-50 Diopside - Fine-grained, rounded, med.-high relief grains, pale greenish; biref. = 0.015; inclined extinction

30-40 Feldspar (Albitic plagioclase?) and/or quartz - Low (grey) biref., low relief groundmass (= balsam), very fine-grained

Trace Tourmaline - Two grains, associated with pyrite. Length fast. O = olive to bluish green; E = colourless to pale yellow; O > E.

2% C: Veinlets: Veinlets are less than 0.5 mm wide.

50 Opaques - Pyrrhotite and/or pyrite; some grains entire width of veinlet

25-30 Amphibole (Tremolite) - Colourless to pale green; biref. = 0.027; lines the vein selvages

15-20 Feldspar (Albitic plagioclase ?) - Low biref., low relief, high (-)2V

5 Quartz - Low biref., low relief, uniaxial(+)

10-15% D: Dykelet: Altered feldspar-amphibole porphyry about 0.5 cm wide, at one end of section. It is the same pale greenish-grey colour as the bleached zone (calc-hornfels), but is crosscut by veinlets and hornfels alteration zone. It is coarser grained than the biotite hornfels.

25% Relict Phenocrysts:

10 Amphibole - Primatic shapes are partly replaced by opaques. Biref. = 0.027; Z' to c = 13 degrees; colourless to pale yellow pleochroic

15 Feldspar (Plagioclase?) - Euhedral to subhedral rectangular shapes are completely pseudomorphed by turbid, high relief, brownish material, as is much of the groundmass (saussurite?)

75% Groundmass: Mainly very fine-grained, saussuritized(?) feldspar

ROCK TEXTURES/STRUCTURES: Relict textures of protolith include very fine grain size of host siltstone (A) and porphyritic volcanic texture in dykelet (D). Crosscutting mineralized veinlets (C) have alteration haloes (B). Biotite and amphibole textures are random indicating metamorphic or metasomatic overprint without deformation.

PROTOLITH: Siltstone and interlayered feldspar-amphibole microporphyry

ALTERATION/MINERALIZATION: (1) Biotite hornfels. (2) Veinlets with calc-silicate alteration: diopside, amphibole (tremolite), feldspar, quartz; and sulphide mineralization (pyrrhotite/pyrite, 1-3%).

CONDITIONS OF FORMATION: Volcano-sedimentary environment of deposition, or sedimentary environment with subsequent intrusion of porphyritic dykes. Metamorphism or metasomatism involving biotite and tremolitic amphibole, followed by hydrothermal veining, pyrrhotite/pyrite mineralization, with tremolitic amphibole and diopside alteration haloes.

PETROGRAPHIC REPORT by J.S. Getsinger, PhD

For: Chevron Minerals Ltd. Date: 88-11
Project: Similkameen - M579 Collector: S. McAllister
Sample: 88-4-41.80 Date Collected: 88-10

LOCATION: Similkameen project, Lost Horse 86 claim, S88DH004, 41.80 m depth

ROCK TYPE: Calc-hornfelsed tuff with biotite hornfels

LITHOGEOCHEMISTRY: 51.40% SiO_2, 16.87% Al_2O_3, 6.94% Fe_2O_3, 3.53% MgO, 14.96% CaO, 2.50% Na_2O, 1.83% K_2O, 0.49% TiO_2, 0.19% P_2O_5, 0.18% MnO, 0.17% BaO, 0.54% L.O.I.; Total: 99.61%.

HAND SPECIMEN: Split NQ drill core sample (10 cm). Colour is mottled white, pale green to seafoam green, brownish-grey to dark purplish grey, and pale purplish grey. Grain size is microcrystalline to 3 mm, heterogeneous. The green areas appear fragmental and/or microbrecciated. Irregular, discontinuous, curved patterns and isolated colour patches suggest tuffaceous textures. Whiter patches are irregularly crosscutting. Some parts react weakly in HCl indicating some calcite alteration. Mineralization occurs as tiny disseminated silvery sulphides, as fine pyritic (?) stringers and in blebs, in the dark brown material (less than 1% total). Brown biotite hornfels makes up 20-25%; the rest is light green and white. Non-magnetic.

THIN SECTION:

% (Approx.) MINERALS

25% Biotite hornfels:

Biotite - Brown pleochroic, fine-grained, surrounds feldspar

K-feldspar - Patchy, rectangular feldspar, perthitic, associated with biotite alteration; relict phenocrysts

Amphibole (Tremolite-Actinolite) - Pale green pleochroic, small prisms

Tourmaline - Zoned colourless to olive; uniaxial(-); occurs as individual grains as inclusions in biotite

Opaques - Tiny anhedral blebs, finely disseminated

Apatite - Medium relief, small rectangular prism, length fast, colourless, clear

75% Calc-hornfels:

Clinopyroxene (Diopside) - Colourless to pale greenish, med.-high relief, rectangular to square; Z' to c = 44 degrees; biref. = 0.015 to 0.020; (+)2V = 50-70; blocky shape and cleavage; occurs in veins and surrounds scapolite in vein-like areas.

Scapolite -
Dipyre(?) - Biref. to 0.020, parallel extinction, poikiloblastic, uniaxial(-), relief lower than clinopyroxene, higher than other scapolite
Marialite(?) - Biref. less than 0.010, low relief, colourless, clear, uniaxial(-), squarish cross section, occurs as large, clear grains in veins and late interstitial pods

Prehnite(?) - Fibrous vein mineral, low biref., similar relief to clinopyroxene. Length slow, near parallel extinction, (+)2V = 60 to 70. Section is too thin at this end to identify accurately.

Calcite - Uniaxial(-) with colour rings, in vein

Opaques - Very fine-grained reaction products

ROCK TEXTURES/STRUCTURES: Heterogeneous textures and relict feldspar phenocrysts suggest crystal tuff origin. Vague compositional layering is undulatory and discontinuous.

PROTOLITH: Tuff(?)

ALTERATION/MINERALIZATION: Alteration includes biotite hornfels overprint, consisting of biotite, tremolite, and tourmaline, with minor opaques; and calc-hornfels, consisting of diopside, scapolite (dipyre and marialite), and prehnite, with minor calcite and opaques. Total opaques (pyrite?) are less than 1%.

CONDITIONS OF FORMATION: Feldspar crystal tuff(?) has been overprinted by biotite hornfels and calc-hornfels alteration.

PETROGRAPHIC REPORT by J.S. Getsinger, PhD

For: Chevron Minerals Ltd. Date: 88-11
Project: Similkameen - M579 Collector: S. McAllister
Sample: 88-4-54.20 Date Collected: 88-10

LOCATION: Similkameen project, Lost Horse 86 claim, S88DH004, 54.20 m depth

ROCK TYPE: Calc-hornfelsed tuff(?)

LITHOGEOCHEMISTRY: 49.77% SiO_2, 9.39% Al_2O_3, 12.28% Fe_2O_3, 3.54% MgO, 19.23% CaO, 2.35% Na_2O, 0.35% K_2O, 0.35% TiO_2, 0.18% P_2O_5, 0.40% MnO, 0.01% BaO, 2.44% L.O.I.; Total: 100.32%.

HAND SPECIMEN: Split NQ drill core sample (5 cm). Mottled white to light green rock contains up to 5% locally blebby pyrrhotite (weakly magnetic) up to 2-3 mm. Light green rock resembles the green parts of sample 41.80. Highly altered, heterogeneous textured rock is microbrecciated and annealed(?) with tiny crosscutting green and white veinlets (<0.1 mm), some of which react in HCl, indicating calcite. Pyrrhotite blebs are associated with elongate white minerals in random, coarse-grained, prismatic habit (1 x 8 mm) which react vigorously in HCl, indicating calcite (possible alteration of another white calc-silicate). Thin section slab shows abundant coarse-grained, subhedral(?) prismatic whitish grains in a fine-grained, green matrix. A small amount (1-2 grains) of a bluish-silvery metallic mineral are present beside pyrrhotite blebs.

THIN SECTION (Polished):

% (Approx.)	MINERALS
10	Altered amphibole (Tremolite?) - Pseudomorphed by Prehnite - Large, euhedral amphibole-shaped prisms in polygonal mosaic of quartz and calcite in a vein(?), associated with coarse-grained pyrrhotite; altered to calcite and prehnite: patchy birefringence = 0.022; parallel extinction; (+)2V = 60; lower relief than clinopyroxene.
40-50	Clinopyroxene (Diopside) - Med.-high relief, rounded grains, very palest green, inclined extinction; (+)2V = 70; pervasive alteration throughout section.
25-30	Scapolite - Coarse-grained, rectangular prismatic grains with parallel extinction; biref. = 0.022; uniaxial(-); colourless, clear.
<5	Quartz - Mosaic of low relief, low biref. polygonal grains surrounding calcite-altered tremolite(?); uniaxial(+).
<5	Carbonate - Calcite, reacts in HCl, surrounding altered tremolite
5	Pyrite and pyrrhotite - grains up to 5 mm, mostly smaller skeletal masses; occurring mainly in one end of the slide

ROCK TEXTURES/STRUCTURES: Subangular areas of coarser-grained diopside and scapolite are surrounded by a matrix of fine-grained diopside; these areas may be altered feldspar phenocrysts or clasts. Original textures have been nearly completely obliterated. The grain size contrasts indicate possible annealed microbrecciation features or porphyritic texture; no other deformation textures were observed.

PROTOLITH: Feldspar porphyry or tuff (?)

ALTERATION/MINERALIZATION: Pyrrhotite mineralzation occurs as blebs, surrounded by diopside, calcite, and scapolite alteration; the calc-silicate alteration is pervasive. Diopside and scapolite are stable whereas tremolite has been altered to prehnite.

CONDITIONS OF FORMATION: Volcanic or volcaniclastic rock has been completely metasomatized by calc-silicate minerals (diopside, scapolite), representing influx of both hydrous and carbonate fluids. Scapolite indicates hornblende-hornfels facies conditions, with T = 400 to 600 degrees C, and P < 3 kb (300 MPa).
(Wollastonite would indicate higher T.)

PETROGRAPHIC REPORT by J.S. Getsinger, PhD

For: Chevron Minerals Ltd. Date: 88-11
Project: Similkameen - M579 Collector: S. McAllister
Sample: 88-4-137.5 Date Collected: 88-10

LOCATION: Similkameen project, Lost Horse 86 claim, S88DH004, 137.45 to 137.54 m depth

ROCK TYPE: Altered pebble conglomerate

HAND SPECIMEN: Split NQ drill core sample (9 cm). Rock is coarse-grained white, pink, and grey with about 1-3% disseminated pyrite (non-magnetic). Some areas up to 1 cm look like angular clasts of dark grey to pink mottled hornfelsed siltstone. Texture may be altered coarsely crystalline porphyritic intrusive or pebble conglomerate. White, fibrous crystalline mineral (1 x 3 mm) reacts only slightly in HCl (may be tremolite or wollastonite with calcite alteration). Aphanitic, pinkish areas have irregular, rounded shapes. Calcite (5%?).

THIN SECTION: (slightly thicker than usual)

% (Approx.) MINERALS

50% Lithic clasts - Polymictic subangular clasts make up most of the rock:

25 Siltstone - Well-sorted to poorly sorted clastic siltstone with subrounded larger quartz grains and very fine-grained quartz and/or feldspar; altered somewhat with superimposed diopside.

15 Volcanic - Consists of fine-grained, trachytic plagioclase laths with some alteration to saussurite

10 Chert - Subrounded to subangular clasts contain monomineralic quartz with various grain sizes; the quartz is uniaxial(+); quartz does not occur outside the chert pebbles.

35-40% Crystal aggregates - Angular, rhombic to rectangular shapes are filled with randomly-grown calc-silicates, either as pseudomorphs of calcic crystal grains such as plagioclase or calcite, or as open space fillings:

25 Wollastonite ($CaSiO_3$) - Well-formed rectangular prisms show twinning parallel to the length; length-fast with X' to c = 31 degrees; extinction dispersion; birefringence = 0.020; (-)2V = 35, r > v; optic axial plane parallel to length.

5-10 Diopside ($CaMgSi_2O_6$) - Small, high-medium relief, subhedral grains with inclined extinction occur intergrown with wollastonite in aggregates and throughout; birefringence = 0.030.

3 Calcite - Intergrown with wollastonite and diopside

5-10 Matrix - Fine-grained material includes diopside(?) and significant scapolite (parallel extinction, biref. = 0.022, uniaxial(-)).

3 Opaques - (1) Opaque dust, especially in volcanic fragments
(2) Larger grains, probably pyrrhotite and pyrite, associated with wollastonite and diopside skarn

ROCK TEXTURES/STRUCTURES: Altered lithic clasts are interspersed with aggregates of crystalline wollastonite; the conglomerate is clast-supported with little matrix; primary textures are relatively well preserved considering the degree of alteration; no deformation textures were observed.

PROTOLITH: Polymictic pebble conglomerate (siltstone, volcanic, and chert)

ALTERATION/MINERALIZATION: Alteration consists mainly of metasomatic scapolite, diopside, and wollastonite. Mineralization consists of minor pyrite associated with scapolite, diopside, and wollastonite.

CONDITIONS OF FORMATION: Deposition of polymictic conglomerate from heterolithic deep water submarine provenance. Contact metasomatism is indicated by scapolite, diopside, and wollastonite. Wollastonite signifies relatively high T (>600 degrees C at 200 MPa).

PETROGRAPHIC REPORT by J.S. Getsinger, PhD

For: Chevron Minerals Ltd. Date: 88-11
Project: Similkameen - M579 Collector: S. McAllister
Sample: 88-4-185.70 Date Collected: 88-10

LOCATION: Similkameen project, Lost Horse 86 claim, S88DH004, 185.70 m depth

ROCK TYPE: Porphyritic Hedley Intrusion

LITHOGEOCHEMISTRY: 48.84% SiO_2, 18.82% Al_2O_3, 7.29% Fe_2O_3, 4.99% MgO, 12.53% CaO, 3.30% Na_2O, 1.25% K_2O, 0.71% TiO_2, 0.23% P_2O_5, 0.06% MnO, 0.13% BaO, 1.89% L.O.I.; Total: 100.05%.

HAND SPECIMEN: Split NQ drill core sample (6 cm). Porphyritic hypabyssal intrusive with bimodal phenocryst size. Pyroxene phenocrysts are brown, euhedral, blocky grains to 7 mm, possibly altered to fine-grained biotite, and make up about 20 to 25% of the rock. Feldspar and smaller brown and green mafic phenocrysts are about 0.5 to 1.5 mm. Feldspar grains are grey to white, with whiter rims (20%). Light greenish-grey phenocrysts (0.5 to 1.5mm) may be amphibole (20%). Groundmass is fine-grained, highly altered to fine-grained grey and pinkish-brown material. Pyrrhotite (to 5%) replaces smaller mafic phenocrysts and occurs in blebs (to 2 mmm) and stringers and veinlets (less than 0.5 mm wide to 4 cm long). Minor reaction to HCl indicates some calcite. Yellow staining indicates only minimal potassium content.

THIN SECTION (Polished; chip stained for K):

% (Approx.)	MINERALS
20	Clinopyroxene (Diopside or Augite) - Large, euhedral, blocky grains (up to 6 mm) are partly pyroxene; biref. = 0.030; inclined extinction, Z' to c = 42 degrees; (+)2V = 70-80. Pseudomorphed by scapolite locally.
10	Amphibole (Tremolite) - In large prismatic phenocrysts with amphibole cleavage (54 degrees); colourless; (-)2V = 70; biref. = 0.022; lower relief than pyroxene; Z' to c = 16 degrees. Intergrown with pyroxene and opaques in large altered phenocrysts; locally altered to biotite.
20	Plagioclase - Euhedral, zoned; Carlsbad, minor albite, and Baveno twins; high (-)2V; turbid cores, clearer rims; X' to c = 32 to 35 degrees (bytownite); locally altered to muscovite (sericite).
25	Feldspar - Fine-grained, low biref., makes up much of groundmass; may be saussuritized.
10-15	Scapolite - Parallel extinction; uniaxial(-);, lower relief than pyroxene, clear, colourless, in veinlike pods; replacing pyroxene in part, and partly feldspar.
3-5	Biotite - Pale brown pleochroic; low (-)2V; replacing amphibole;

3-5 Muscovite - Colourless mica, sericitic in part, med.-high biref., in altered feldspar

3-5 Opaques - Pyrrhotite (and pyrite) - Finely disseminated and in blebs and stringers. Grain size generally less than 0.5 mm, but up to 3 mm locally; occurs within mafic phenocrysts also.

<1 Sphene altered to leucoxene(?) - High relief, high biref.(?), semi-opaque matted grains in blocky to square shapes; no figure was obtained due to high absorption of alteration (could also be zircon? hydrous iron oxide?)

ROCK TEXTURES/STRUCTURES: Porphyritic texture and zoned feldspar indicate igneous origin; coarse grain size suggests intrusive origin, probably hypabyssal. Intergrowth of diopside and tremolite suggests both are secondary replacement of previous amphibole (and/or pyroxene?) phenocrysts.

PROTOLITH: Porphyritic intermediate hypabyssal intrusive (sill or dyke)

ALTERATION/MINERALIZATION: Original mafic phenocrysts (possibly hornblende and/or augite) have been replaced by diopside, tremolite, and biotite; with an overprint of scapolite. Plagioclase(?) feldspar is being replaced by muscovite and is saussuritized in part.

CONDITIONS OF FORMATION: Intermediate dyke or sill is emplaced as shallow intrusive. Alteration changes amphibole and pyroxene to purer CaMg end-members; K and Fe go into micas and opaques; introduction of $CaCO_3$ combines with Al to form scapolite under hornblende-hornfels facies conditions (T = 400 to 600 degrees C; P less than 300 MPa).

PETROGRAPHIC REPORT by J.S. Getsinger, PhD

For: Chevron Minerals Ltd. Date: 88-11
Project: Similkameen - M579 Collector: S. McAllister
Sample: 88-4-191.50 Date Collected: 88-10

LOCATION: Similkameen project, Lost Horse 86 claim, S88DH004, 191.50 m depth

ROCK TYPE: Altered Hedley Intrusion

LITHOGEOCHEMISTRY: 52.29% SiO_2, 19.11% Al_2O_3, 4.97% Fe_2O_3, 2.66% MgO, 9.68% CaO, 4.21% Na_2O, 3.34% K_2O, 0.44% TiO_2, 0.27% P_2O_5, 0.04% MnO, 0.35% BaO, 1.58% L.O.I.; Total: 98.95%.

HAND SPECIMEN: Split NQ drill core sample (6 cm). White to light grey to pink altered intrusive porphyry. Fine to coarse grain size (3 mm). White feldspar is 0.5 to 1 mm, about 15%. Dark grey areas surrounding pyrrhotite are about 20%. Weakly magnetic pyrrhotite occurs in finely disseminated grains, in patches, and in blebs to 5 mm (3-4%), as well as on crosscutting stringers (0.1 by 2 cm). Yellow stain on rock chip indicates some potassic alteration, on crosscutting trends and diffuse in groundmass. Most feldspar remains white, indicating plagioclase. Alteration consists of fine-grained white and pinkish-brown patches throughout. No reaction to HCl.

THIN SECTION (Polished; chip stained for K):

% (Approx.)	MINERALS
10-15	Amphibole (Tremolite) - Small, fibrous, radiating clusters; colourless; inclined extinction, Z' to c = 18 degrees; large (-)2V; biref. = 0.022; occurs with opaques, biotite
30	Plagioclase +_ K-feldspar - Patchy, zoned, euhedral to subhedral feldspar phenocrysts. Carlsbad-albite twins; altered partly to sericite; also occurs as fine grains in groundmass.
10-15	Clinopyroxene (Diopside) - Higher relief than scapolite; colourless; inclined extinction.
25-30	Scapolite - Uniaxial(-), large, clear, colourless grains, late, intergrown with pyrrhotite, and replacing feldspar(?) grains.
5	Opaques - Pyrrhotite - Occurs in stringers of fine grains, and finely disseminated throughout (<0.5 mm, locally to 1.0 mm). Associated with diopside and scapolite alteration.
<1	Biotite - Light brown mica
<1	Calcite - Along late veinlets
<1	? - High relief, high biref., skeletal semi-opaque masses to square shapes (zircon?, sphene?, rutile?)

ROCK TEXTURES/STRUCTURES: Original textures are more obscured than in 88-4-185.70. Relict feldspar phenocrysts are evident, mainly replaced by scapolite.

PROTOLITH: Hornblende-feldspar porphyry

ALTERATION/MINERALIZATION: Mineralization consists of pyrrhotite stringers and blebs and disseminations. Associated with it are tremolite, scapolite, and diopside alteration. Biotite and sericite may represent potassic alteration.

CONDITIONS OF FORMATION: Hypabyssal intrusive has been hydrothermally altered and mineralized with pyrrhotite.

PETROGRAPHIC REPORT by J.S. Getsinger, PhD

For: Chevron Minerals Ltd. Date: 88-11
Project: Similkameen - M579 Collector: S. McAllister
Sample: 88-4-281.5 Date Collected: 88-10

LOCATION: Similkameen project, Lost Horse 86 claim, S88DH004, 281.41 to 281.51 m depth

ROCK TYPE: Altered Hedley Intrusion

HAND SPECIMEN: Split NQ drill core sample (10 cm) of purplish grey, white and pink mottled colour with blebs of pyrrhotite (up to 2 mm, 2-3%, weakly magnetic). Texture appears coarse-grained, porphyritic with pyroxene- and/or amphibole-shaped, pink altered greenish brown phenocrysts up to 1 cm long. It is similar to 88-4-137.5, but without tremolite pods and hornfelsed clasts, and it has pinkish, fine-grained calc-hornfels(?) alteration throughout. Veinlet (less than 1 mm) with pyrite and pyrrhotite reacts in HCl, indicating associated calcite.

THIN SECTION: (section thinner than 0.03 mm)

% (Approx.) MINERALS

50-60 Scapolite - Uniaxial(-); colourless, low biref., low relief; coarse grains are poikilitic and have absorbed zoned feldspar; also occurs mixed with amphibole, and in late veins with opaques.

15-20 Clinopyroxene (Augite? and Diopside) - Larger, relict phenocrysts have med.-high relief, are colourless; X'(?) to c = 36 degrees; (+)2V = 40-45. Some clinopyroxene may occur as diopside alteration.

10-15 Amphibole (Tremolite?) - Amphibole cross section, large grain size, colourless, med.-high (-)2V; Z' to c = 18 degrees. Replacing pyroxene and also associated somewhat with opaques.

10 Plagioclase - Outlines of relict zoned plagioclase can be seen within huge replacement grains of scapolite. Locally small laths with albite twinning occur intergrown with other minerals (scapolite).

1 Opaques - Irregularly disseminated, squarish grains. Low relief reaction rim may be feldspar or scapolite. Opaques also occur aligned on a fracture crosscutting larger scapolite grains; the veinlet is also filled with scapolite.

1 Sphene - Squarish and skeletal high relief shapes could be altered sphene; pleochroic pinkish-brown (slow) to pale tan (fast); biref. > 0.040.

Trace Clinozoisite - Anomalous blue and yellowish biref., higher relief grain within clinopyroxene; (+)2V = 20-30.

ROCK TEXTURES/STRUCTURES: Coarse-grained, interlocking texture; scapolite is huge, replacing earlier porphyritic feldspar texture with interlocking granular texture. Amphibole postdates pyroxene. Scapolite is clearly secondary. No deformation textures were noted.

PROTOLITH: Intrusive intermediate porphyry

ALTERATION/MINERALIZATION: Alteration is mainly scapolite metasomatism. Intergrown clinopyroxene and amphibole appear to be unstable compared with superimposed scapolite. Mineralization is minor, occurring as less than 1% pyrite/pyrrhotite in veinlets with associated scapolite.

CONDITIONS OF FORMATION: Intrusive pyroxene porphyry was hydrated, altered to tremolite and diopsidic clinopyroxene, followed by scapolite metasomatism. Pyrrhotite mineralization is associated with late fractures and late phase scapolite.

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 L-scale
W	white
9	palest
8	pale
7	light
6	lighter (m. light)
5	medium (50% light)
4	darker (m. dark)
3	dark
2	very dark
1	darkest
N	black

L28/L29	Colour range C-scale
A	grey
B	blue
G	green
K	pink
L	lime (YG)
M	mauve (PR)
N	black
O	orange
P	purple
Q	aqua (BP)
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

S-Scale	Assigned Value	Range
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	ASSGN VALUE	SYMBOL	THE S-SCALE FOR GRAIN OR PARTICLE SIZE <<FOR GENERAL WORK FOR DETAIL WORK>>	SYMBOL	ASSGN VALUE	VOLCANICLASTICS
Glassy	2^{-8}=.004	.003 mm	0	CLAY SIZE	A	.003	fine ash
Extremely fine grained (aphanitic)	2^{-7} — 2^{-6}=.016	.008	1	V.FINE SILT	B	.006	
				FINE SILT	C	.011	
	2^{-5} — 2^{-4}=.06	.03	2	MEDIUM SILT	D	.022	
				COARSE SILT	E	.044	
Fine grained	2^{-3} — 2^{-2}=.25	.12	3	V.FINE SAND	F	.088	coarse ash
				FINE SAND	G	.177	
	2^{-1} — 2^{0} = 1	.5	4	MEDIUM SAND	H	.354	
				COARSE SAND	I	.707	
Medium grained (granular)	2^{1} — 2^{2} = 4	2	5	GRIT	J	1.41	
				GRANULE	K	2.83	
Coarse grained	2^{3} — 2^{4} = 16	8	6	V.SMALL PEBBLE	L	5.66	small lapilli
				SMALL PEBBLE	M	11.3	
Very coarse grained	2^{5} — 2^{6} = 64	3.2 cm	7	MEDIUM PEBBLE	N	22.6	large lapilli
				LARGE PEBBLE	Ø	45.3	
Pegmatitic	2^{7} — 2^{8} =250	13	8	SMALL COBBLE	P	90.5	cobble-size bombs & blocks
				LARGE COBBLE	Q	181	
Megapegmatitic	2^{9} — 2^{10} = 1m	½ m	9	SMALL BOULDER	R	362	boulder-size bombs & blocks
				MEDIUM BOULDER	S	724	
Extra-coarse megapegmatitic	2^{11} —	2 m	X	LARGE BOULDER	T	1450	extra large bombs & blocks
				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

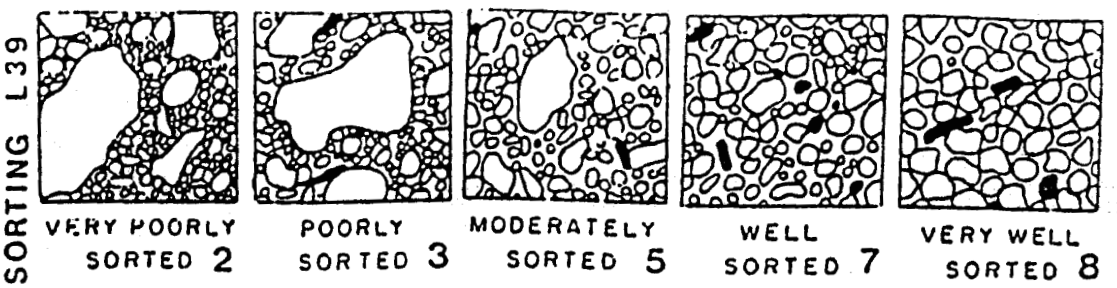
L46 Σ I: total fracture intensity. Use the F-scale

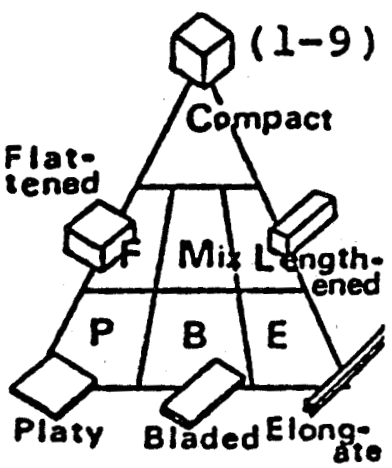
F-scale Fracture intensity

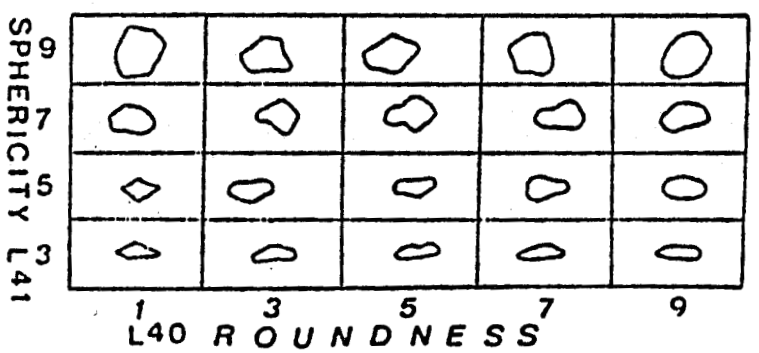
X	shattered
9	extremely well fractured
8	very well fractured
7	well fractured
6	fairly well fractured
5	moderately fractured
4	fairly lightly fractured
3	lightly fractured
2	very lightly fractured
1	slightly fractured
0	unfractured

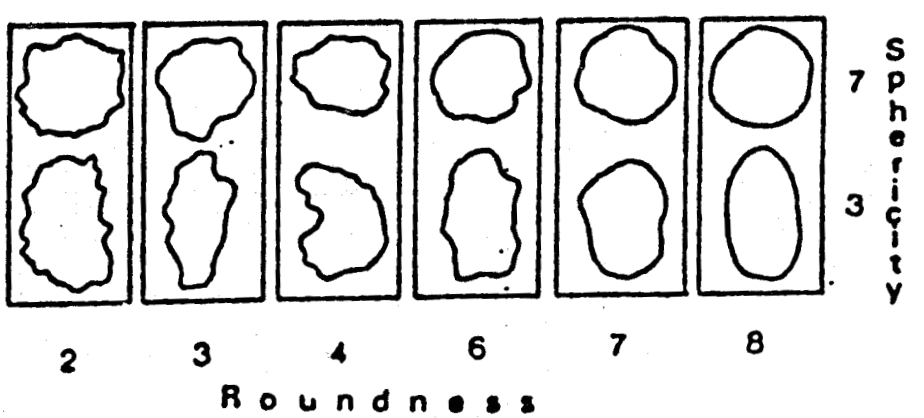
U48 TI: Thickness - describes thickness of feature in structural
L48 T2: identity 1 and 2, respectively (U49-50, L49-50) using T-scale.

T-Scale	Assigned Value	Range	
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


SORTING L39
VERY POORLY SORTED 2
POORLY SORTED 3
MODERATELY SORTED 5
WELL SORTED 7
VERY WELL SORTED 8


(1-9)
Compact
Flat-tened
F
Mix
Length-ened
P
B
E
Platy
Bladed
Elong-ate


SPHERICITY L41
9
7
5
3
1
3
5
7
9
L40 ROUNDNESS


7
3
Sphericity
2
3
4
6
7
8
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 & L57-76 Alteration and ore minerals. The first column of each pair is used to 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-schale 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 & U75-76	XX: for a mineral not in the other alteration columns, specify 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 & L75-76 In the first column the H-scale is used to describe how the mineral in 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:

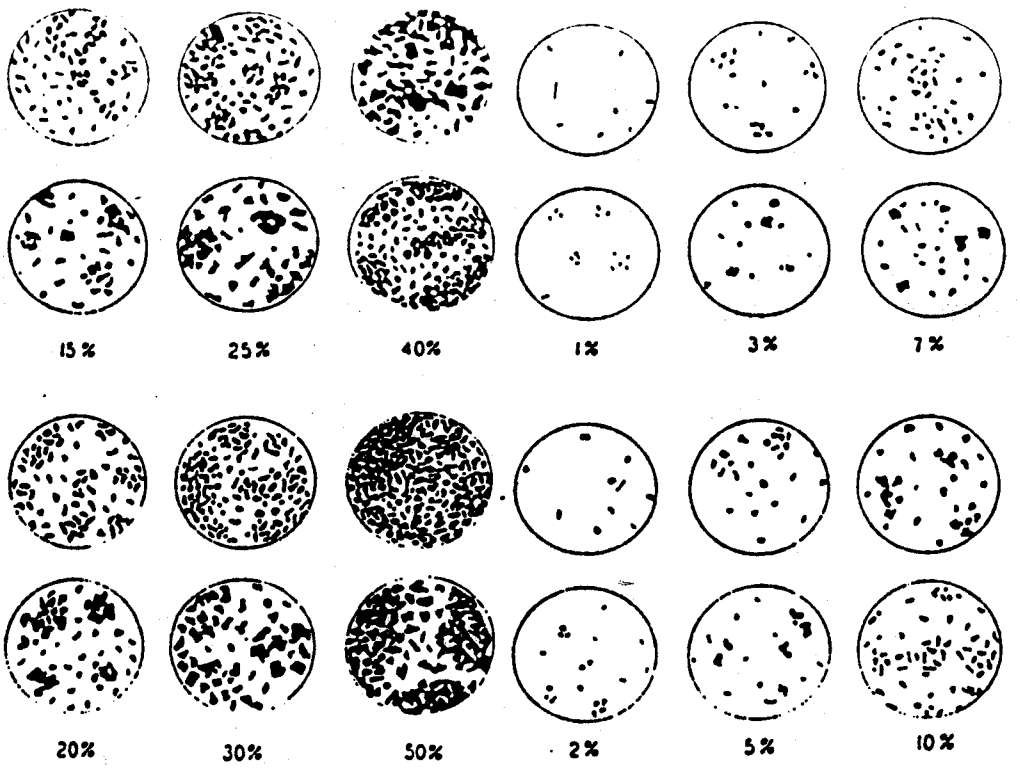
C-Scale: Colour Range - see page 4
F-Scale: Fracture Intensity - see page 7

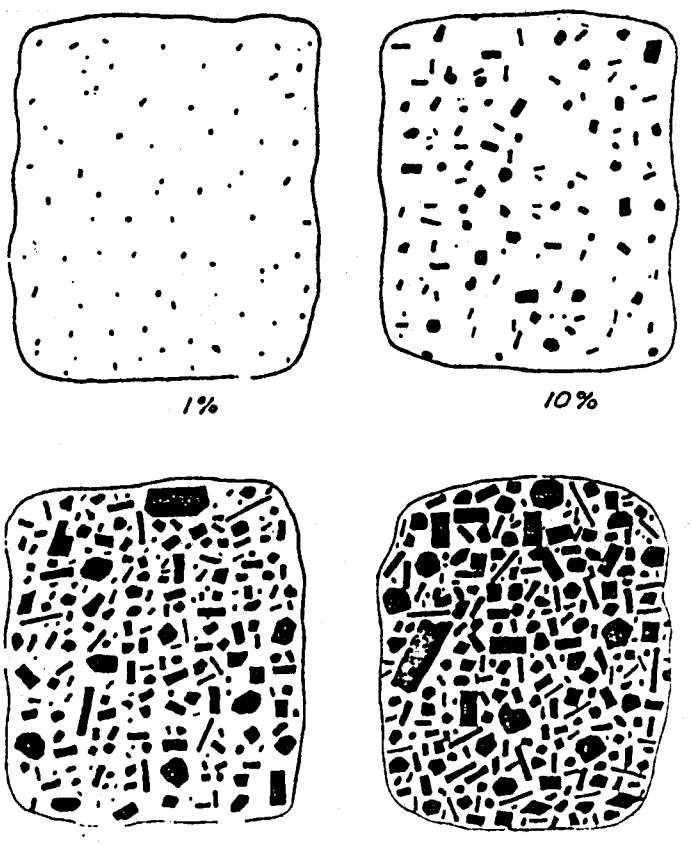
G-Scale: Percentage estimate of any geological material

G-Scale	Assigned %	Range
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/TRAVERSE : S87DH001

PROJECT IDEN : M579 START DATE : 87/10/ 8 COMPLETION DATE : 87/10/12 GEOLOGGED BY : SGM +
COLLAR NORTHING: -3745.00 COLLAR EASTING : -179.00 COLLAR ELEVATION: 1680.00 GRID AZIMUTH : 0.00
TOTAL LENGTH : 187.76 CORE/HOLE SIZE : NQ

SURVEY FLAG	SURVEY POINT LOCATION	FORESIGHT	AZIMUTH (DEGREES)	VERTICAL ANGLE (DEGREES)	NORTHING	EASTING
000	0.00		77.00	-65.00		
001	187.76		77.00	-66.00		

K	L	FROM	TO	CORE RECOVERY (%)	MIXING	ROCK TYPE	TYPIFYING MINERALS 1	TYPIFYING MINERALS 2	QUALIFYING MINERALS 1	TEXTURES 1	TEXTURES 2	GRAIN CHARACS F	GRAIN CHARACS C	FRACTURE %	FRACTURE M	# TK	STRUCTURE-1 T	STRUCTURE-1 ID	STRUCTURE-1 STK AZM	STRUCTURE-1 DIP RT	ALTERATION H A DI	ALTERATION H A VE	ALTERATION H A CY	ALTERATION H A C/	ALTERATION H A BI	ALTERATION H ANY MIN XX	ORE-TYPE H A PY	ORE-TYPE H A CP	ORE-TYPE H A LI	MINS H ANY MIN YY	SUMMARY
K	F			ROCK QUAL DESIG	FOR MEM AGE	EN V	RT Q	TM LC- COL	QM2 3	TX 3	TX 4	S R R	S O D	N H P	O DIP / C	F SML I	STRUCTURE-2 T	ID 2	STK AZM	DIP RT	GA H A	WO H A	CL H A	EP H A	CA H A	HA H A	PR H A	AS H A	FS H A	HA H A	
P		0.00	0.91					TRIC							P																
R	P	0.00	0.91	CASING OVER THIS INTERVAL.																											
P		0.91	35.53					HFCA	BL7	BN	1 2 5 2				P	4 BN	55		P7	D*	E.								0
L								7A							3															2 7
R	P	0.91	35.53	INTERBEDDED LIGHT GREY TO PINK CALC-HORNFELS (90%), PALE GREY																											
R	P	0.91	35.53	LIMESTONE (5%), AND MEDIUM GREY TUFF (5%). CALC-HORNFELS IS																											
R	P	0.91	35.53	VERY HARD, FINE GRAINED WITH 70% CALCIC ALTERATION THAT RANGES																											
R	P	0.91	35.53	FROM ENVELOPES SURROUNDING MICROFRACTURES TO EXTENSIVE PATCHES.																											
R	P	0.91	35.53	REMNANT UNBLEACHED HORNFELS OCCURS AS DARK GREY TO BLACK ZONES,																											
R	P	0.91	35.53	USUALLY ELONGATE PARALLEL TO THE BANDING. COLOUR VARIES WIDELY																											
R	P	0.91	35.53	AND OVERALL A MOTTLED IMPRESSION IS GAINED. BANDING WITHIN																											
R	P	0.91	35.53	CALC-HORNFELS RANGES FROM 2-20 CM. TUFFACEOUS BEDS ARE 4-15 CM																											
R	P	0.91	35.53	WIDE, WITH MINOR OCCURANCES OF LAPILLI TUFF. WEAK GARNET																											
R	P	0.91	35.53	DEVELOPMENTS (0.1%) IN SOME BEDS OF LIMESTONE.																											
N	F	0.91	35.53			= TUFF		BL6		3 5 2 6					N				P6										0
L								5A							3															2 6
N	S	0.91	35.53			= LMST		MX		3 4 5 5					N														0
L								8A							3			D(											3 1
R	T	32.96	33.36	HORNBLENDE FELDSPAR PORPHYRY SILL; STRONGLY BLEACHED, 60%																											
R	T	32.96	33.36	PATCHY CALCIC ALTERATION. FELDSPARS ALTERED TO A LIGHT PINK																											
R	T	32.96	33.36	COLOUR AND HORNFELS TO A DARK PURPLE BROWN.																											
N	T	32.96	33.36			X PPHF		BL7	PP	2 4 1 6					N	UC	35		Q6	B)									0
L								3A							3	LC	40													2 6
P		35.53	44.68					PPHF	BL8	PP	2 5 2 5				P	UC	40		P8	D*	E(								0
L								7A							3	LC	65		S(	B+	V+								2 8
R	P	35.53	44.68	HORNBLENDE FELDSPAR PORPHYRY, LIGHT TO DARK GREY, VERY STRONGLY																											
R	P	35.53	44.68	BLEACHED WITH 80% PERVASIVE CALCIC ALTERATION. MOST																											
R	P	35.53	44.68	PHENOCRYSTS ARE ALTERED TO A PALE GREY. A 4 MM EPIDOTE SELVAGE																											
R	P	35.53	44.68	AT UPPER CONTACT. ARSENOPYRITE VEINS ARE 2 MM WIDE, DIP AT																											
R	P	35.53	44.68	40 DEG. TO CORE AXIS WITH A DENSITY OF 4 TO 5 PER METRE.																											
R	P	35.53	44.68	ARSENOPYRITE ALSO OCCURS AS DISSEMINATED CRYSTALS. SMALL																											

Chevron Minerals Ltd.
M579

DRILLHOLE/TRAVERSE : S87DH001 (CONTINUED)

KEY	FROM	TO	CORE RECOVERY (%)	% MINERAL / ROCK TYPE	TYPIFYING MINERALS 1	TYPIFYING MINERALS 2	QUALITY MATERIAL QM1	TEXTURES 1	TEXTURES 2	GRAIN CHARACS F	GRAIN CHARACS C	FRACTURE %	FRACTURE M	FRACTURE P	# TK	STRUCTURE-1 T	STRUCTURE-1 ID	STRUCTURE-1 STK AZM	STRUCTURE-1 DIP RT	ALTERATION MINS H DI	ALTERATION MINS H VE	ALTERATION MINS A CY	ALTERATION MINS A C/	ALTERATION MINS H BI	ALTERATION MINS A XX	ALTERATION MINS H PY	ALTERATION MINS A CP	ALTERATION MINS H LI	ALTERATION MINS ANY YY	ORE-TYPE MINS H	ORE-TYPE MINS A	ORE-TYPE MINS H	ORE-TYPE MINS ANY	SUMMARY
K E Y	F L A G	FROM - TO (UNITS = MT)																																
K E Y	F L G		ROCK QUAL DESIG	FOR MEM AGE	EN V	RT Q	TM LC- COL	QM2 3	TX 3	TX 4	S O R D	R N P	S H C	O /	DIP SML	F I	T 2	ID	STK AZM STRUCTUR-2	DIP RT	GA	WO	CL H	EP H	CA H	HA H	PR H	AS H	FS H	HA H		A	A	A	A	
R	P	35.53	44.68																															
				IRREGULAR PATCHES OCCUR WHERE PHENOCRYSTS ARE A DARK PURPLE																																
R	P	35.53	44.68																															
				BROWN COLOUR.																																
P		44.68	114.84		HFCA		BL7	BN	1	2	5	2	P		BN	60	Q.		Q8		D*	B-													0
L					7A								3				D.				V-														2 8
R	P	44.68	114.84																															
				INTERBEDDED LIGHT GREY TO PALE PINK BANDED CALC-HORNFELS (80%)																																
R	P	44.68	114.84																															
				AND WHITE LIMESTONE (20%) WITH MINOR (LESS THAN 5%) TUFF.																																
R	P	44.68	114.84																															
				80% CALCIC ALTERATION OF CALC-HORNFELS OCCURS AS PATCHES,																																
R	P	44.68	114.84																															
				ENVELOPES SURROUNDING FRACTURES AND PARALLEL TO BEDDING PLANES.																																
R	P	44.68	114.84																															
				REMNANT PATCHES OF UNALTERED HORNFELS ARE DARK GREY. SOME																																
R	P	44.68	114.84																															
				BANDS HAVE A MOTTLED TEXTURE WITH CALCIC ALTERATION OCCURING IN																																
R	P	44.68	114.84																															
				DISTINCT SPOTS. ZONE OF INCREASED SULPHIDES AT FOOTWALL OF																																
R	P	44.68	114.84																															
				SILL AT 44.68-47.68 M WITH UP TO 3% BLEBS OF PYRRHOTITE. A																																
R	P	44.68	114.84																															
				TRACE OF GARNET OCCURS AT 68.32 M AND A TRACE OF DIOPSIDE AT																																
R	P	44.68	114.84																															
				70.50 M. POSSIBLE DIOPSIDE AT 75.00 AND 83.00 M. WEAK																																
R	P	44.68	114.84																															
				PERVASIVE PALE GREEN ALTERATION AT 102.06-102.70 M. PALE GREEN																																
R	P	44.68	114.84																															
				HIGHLY BLEACHED HORNBLENDE FELDSPAR PORPHYRY DYKE AT 107.25-																																
R	P	44.68	114.84																															
				107.36 M. IRREGULAR CONTACTS.																																
N	F	44.68	114.84		2 LMST			MX	3	4	4	5	N																						0
L					WW								3																						0
R	S	52.47	56.44																															
				DARK GREY HORNBLENDE FELDSPAR SILL, SULPHIDE-RICH, WEAKLY																																
R	S	52.47	56.44																															
				BLEACHED, PYRRHOTITE OCCURS AS BLEBS AND DISSEMINATIONS.																																
R	S	52.47	56.44																															
				CALCIC ALTERATION IS WEAK AND PATCHY. ARSENOPYRITE																																
R	S	52.47	56.44																															
				DISSEMINATIONS AND VEINS ARE PRESENT.																																
N	S	52.47	56.44		X PPHF		BL3	PP	3	5	2	6	N		UC	85			Q1		D*														0
L					3A								3		LC	70					B=	D+													2 3
R	S	58.22	58.45																															
				PINK GREY HORNBLENDE FELDSPAR PORPHYRY SILL, MOTTLED, WITH A																																
R	S	58.22	58.45																															
				FRAGMENTED TEXTURE. PATCHY CALCIC ALTERATION AND MODERATE																																
R	S	58.22	58.45																															
				BLEACHING OCCUR.																																
N	S	58.22	58.45		X PPHF		BL5	PP	3	5	1	5	N		UC	55			Q3																0
L					KA								3		LC	35					B)														2 5
R	S	58.83	59.86																															
				PINK GREY HORNBLENDE FELDSPAR PORPHYRY SILL, MOTTLED, WITH																																
R	S	58.83	59.86																															
				PATCHES OF DARK PURPLE BROWN, PATCHY CALCIC ALTERATION, AND																																
R	S	58.83	59.86																															
				MODERATE BLEACHING OCCUR.																																
N	S	58.83	59.86		X PPHF		BL5	PP	3	5	2	5	N		UC	45			Q3		D)														0
L					KA								3		LC	65					B)														2 5
R	S	84.30	85.96																															
				DARK GREY HORNBLENDE FELDSPAR PORPHYRY SILL WITH PINK PATCHES,																																
R	S	84.30	85.96																															
				WEAK BLEACHING, 10% PATCHY CALCIC ALTERATION, SULPHIDE-RICH																																
R	S	84.30	85.96																															
				ZONE. HORNBLENDE PHENOCRYSTS ARE DARK PURPLE BROWN AND																																
R	S	84.30	85.96																															
				SURROUNDED BY A 1 MM ENVELOPE OF PALE PINK CALCIC ALTERATION																																
R	S	84.30	85.96																															
				HALO. FELDSPARS ARE DARK GREY GREEN TO PALE PINK.																																
N	S	84.30	85.96		X PPHF		BL3		3	5	3	6	N		UC	55	B(		Q1		D*	B*													0
L					3A								3		LC	50					B+	D*													2 2
R	S	85.96	97.76																															
				INTERBEDDED LIGHT GREY CALC-HORNFELS (70%) AND WHITE LIMESTONE																																

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M579

DRILLHOLE/TRAVERSE : S87DH001 (CONTINUED)

K E Y	F L A G	- INTERVAL - (UNITS = MT) FROM	TO	CORE RECOVERY (%)	% M I X	ROCK TYPE	TYPIFYING MIN TM 1	TM 2	QAL MAT QM1	TEXTURES TX 1	TX 2	GRAIN CHARACS F	C	% M	FRACTURE P	# TK	STRUCTUR-1 T	ID	STK AZM	DIP RT	ALTERATION MINS H A DI	H A VE	H A CY	H A C/	H A BI	ANY MIN XX	H A PY	ORE-TYPE MINS H A CP	ANY MIN LI	ANY MIN YY	SUMMARY
K E Y	F L G	ROCK QUAL DESIG	FOR MEM AGE	EN V	RT Q	TM LC-COL	QM2 3	TX 3	TX 4	S O N R	R H D P	S / C	O SML	DIP I	F	T 2	ID	STK AZM	DIP RT	GA H A	WO H A	CL H A	EP H A	CA H A	HA H A	PR H A	AS H A	FS H A	HA H A	
R	S	85.96	97.76																											(30%). ZONE WITH INCREASED SULPHIDES. ARSENOPYRITE OCCURS AS
R	S	85.96	97.76																											3 MM WIDE VEINS AND AT 87.40 M AS A DENSE BAND OF CRYSTALS 4 CM
R	S	85.96	97.76																											WIDE. SMALL LOCALIZED PATCHES OF DIOPSIDE OCCUR AT 87.40 M
R	S	85.96	97.76																											ASSOCIATED WITH THE ARESNOPYRITE BAND AND AT 93.80 M.
N	S	85.96	97.76			7 HFCA		BL7	BN	1	2	5	2		D		BN		60	Q-				Q8		D*	B-	E-	0
L							7A							3						D.						B)	V)		2 8
N	T	85.96	97.76			3 LMST		BL7	BN	1	2	5	2		D		BN		60	Q-				Q8		D*	B-	E-	0
L							7A							3						D.						V-			2 8
R	S	97.76	99.44																											INTERBEDDED LIGHT GREEN CALC-HORNFELS AND PALE GREEN LIMESTONE.
R	S	97.76	99.44																											PERVASIVE GREEN COLOUR DUE TO ALTERATION, UPPER CONTACT GRADES
R	S	97.76	99.44																											OVER 30 CM.
N	S	97.76	99.44			8 HFCA		BL7	BN	1	2	5	2		D		BN		60	Q.				Q8		B+			0
L							7G							3										Q+		V-			2 8
N	T	97.76	99.44			2 LMST		BL7	BN	1	2	5	2		D		BN		60	Q.				Q8		D*	B-		0
L							8G							3												V-			2 8
R	S	99.44	100.02																											LIGHT GREEN HORNBLENDE FELDSPAR PORPHYRY DYKE WITH A VERY FINE
R	S	99.44	100.02																											GRAINED MATRIX AND PERVASIVE PALE GREEN ALTERATION.
R	S	99.44	100.02																											PHENOCRYSTS ARE REPLACED BY EPIDOTE. THERE IS A 1 CM WHITE
R	S	99.44	100.02																											BLEACHED SELVAGE AT BOTH CONTACTS.
N	S	99.44	100.02			X PPHF		BL7	PP	2	5	2	5		N		UC		20					P5		D*			0
L							7A							3			LC		55					H2					2 7
R	S	100.02	100.60																											INTERBEDDED LIGHT GREEN CALC-HORNFELS (80%) AND PALE GREEN
R	S	100.02	100.60																											LIMESTONE (20%), PERVASIVE PALE GREEN ALTERATION.
N	S	100.02	100.60			8 HFCA		BL7	BN	1	2	5	2		D		BN		60	Q.				Q8		D*			0
L							7A							3												D*			2 8
N	T	100.02	100.60			2 LMST		BL7	BN	1	2	5	2		D		BN		60	Q.				Q8		D*	B-		0
L							8A							3												V-			2 8
R	S	100.60	102.06																											LIGHT GREEN HORNBLENDE FELDSPAR PORPHYRY DYKE, FINE GRAINED
R	S	100.60	102.06																											MATRIX, PERVASIVE PALE GREEN ALTERATION.
N	S	100.60	102.06			X PPHF		BL7	PP	2	5	2	5		N		UC		23					P5		D*			0
L							7A							3			LC		30					H2					2 7
R	S	106.72	107.08																											DARK GREEN, UNALTERED HORNBLENDE FELDSPAR DYKE. SOMEWHAT
R	S	106.72	107.08																											IRREGULAR CONTACT.
N	S	106.72	107.08			X PPHF		BL	PP	2	5	2	5		N		C/		15							D(			0
L							3G							3																0
P		114.84	133.00			HFLS		BL2	BD	1	2	5	2		P		UC		65					Q1					0
L							NN							5	2		BN		65							D)			2 1
R	P	114.84	133.00																											VERY THINLY BEDDED BLACK TO DARK GREY HORNFELS WITH 10% PATCHY
R	P	114.84	133.00																											WEAK CALCIC ALTERATION (60%), LIGHT GREY THINLY BEDDED
R	P	114.84	133.00																											LIMESTONE (20%) AND MEDIUM GREY BLEACHED CALC-HORNFELS WITH 80%
R	P	114.84	133.00																											PERVASIVE CALCIC ALTERATION (20%). MODERATELY FRACTURED, 1%
R	P	114.84	133.00																											DISSEMINATED PYRRHOTITE THROUGHOUT THE INTERVAL, MAINLY IN THE
R	P	114.84	133.00																											HORNFELS BEDS. MINOR (LESS THAN 5%) TUFF OCCURS. PALE GREEN

Chevron Minerals Ltd.
M579

DRILLHOLE/TRAVERSE : S87DH001 (CONTINUED)

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    F  - I N T E R V A L -  CORE      %      TYPI- QAL  TEX-  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   F R O M  -  T O    ( % )     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  SUMMAR
  - --- -----.--   -----.-- ----.- -- - ---- -- -- --- -- -- - - - - -- -- -  - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
  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
  Y  G                      DESIG  AGE      COL             R D P C            STRUCTUR-2          A  A  A  A  A  A  A  A

  R P     114.84    133.00      PATCHES OF POSSIBLE DIOPSIDE AT 127.48 M AND 132.02 M.  THIS
  R P     114.84    133.00      INTERVAL EXHIBITS A DISTINCITVE TEXTURE DEFINED BY ALTERNATING
  R P     114.84    133.00      BANDS OF GREY, BLACK, AND LIGHT GREY.  THE EDGES OF THESE BANDS
  R P     114.84    133.00      ARE SOMEWHAT IRREGULAR AND NOT SHARP.  CALCIC ALTERATION OFTEN
  R P     114.84    133.00      PERMEATES BLACK BANDS OF HORNFELS ALONG THIN (1-2 MM) FRACTURES
  R P     114.84    133.00      THAT OCCUR PERPENDICULAR TO BANDING, GIVING THESE BANDS A
  R P     114.84    133.00      "VEINED" APPEARANCE.
  N F     114.84    133.00          2 LMST         BD    3 4 4 5     N    F/      55                              0
  L                                       7A                         5                                          0
  N S     114.84    133.00          2 HFCA      BL  BD    1 2 5 2     N                         P8                 0
  L                                       5A                         5                                D)        2 3

  P       133.00    187.76            HFLS      BL1 BN    1 2 5 2     P  3 BN    55            Q=                 0
  L                                       NN                         4                                D)        2 1
  R P     133.00    187.76      INTERBEDDED, THINLY BEDDED BLACK HORNFELS WITH 5% PATCHY CALCIC
  R P     133.00    187.76      ALTERATION (60%) AND DARK GREY CALCAREOUS SILTSTONE (40%).
  R P     133.00    187.76      ZONE OF UP TO 3% PYRRHOTITE BLEBS AND STRINGERS SURROUNDED BY
  R P     133.00    187.76      30 CM OF BLEACHED HORNFELS (CALC-HORNFELS) AT 135.70 M.  PALE
  R P     133.00    187.76      GREEN ALTERED HORNFELS AT 141.30 M WITH DISSEMINATED SULPHIDES.
  R P     133.00    187.76      2 CM WIDE BAND OF PALE PINK CALC-HORNFELS WITH 3% PYRRHOTITE
  R P     133.00    187.76      BLEBS AT 155.50 M.  PALE GREEN ALTERATION WITH ASSOCIATED
  R P     133.00    187.76      SULPHIDES AT 184.36 M.
  N F     133.00    187.76        CA 4 SILT        BD    2 3 5 3     N                                            0
  L                                       3A                         4                                          0
  R S     140.62    141.08      DARK GREY HORNBLENDE FELDSPAR PORPHYRY SILL;  WITH UP TO 3%
  R S     140.62    141.08      BLEBS OF PYRRHOTITE.
  N S     140.62    141.08          X PPHF         PP    3 5 2 6     N    UC      60            Q+                 0
  L                                       3A                         3    LC      60                  B+        2 1
  R S     160.94    161.57      PINKISH GREY HORNBLENDE FELDSPAR PORPHYRY SILL, 30% PERVASIVE
  R S     160.94    161.57      CALCIC ALTERATION, MODERATELY BLEACHED.
  N S     160.94    161.57          X PPHF      BL5 PP    3 5 2 6     N    UC      65            P3                 0
  L                                       KA                         3    LC      68                  B+        2 5
  R S     161.57    164.56      ZONE OF INCREASED BLEACHING AND SULPHIDES TO 3%.  PALE GREEN
  R S     161.57    164.56      ALTERED HORNFELS AT 164.32 TO 164.56 M.
  N S     161.57    164.56          7 HFLS      BL5 BN    1 2 5 2     D  3 BN    55            Q3                 0
  L                                       5A                         4                                D+        2 5
  N T     161.57    164.56          3 SILT      BL1 BN    1 2 5 2     D  3 BN    55            Q=                 0
  L                                       NN                         4                                D)        2 1
  R S     164.56    164.96      MEDIUM GREY HORNBLENDE FELDSPAR PORPHYRY SILL, SOME PHENOCRYSTS
  R S     164.56    164.96      ARE ALTERED TO A DARK PURPLE BROWN COLOUR, 10% PERVASIVE CALCIC
  R S     164.56    164.96      ALTERATION.
  N S     164.56    164.96          X PPHF      BL2       3 5 2 6     N    UC                    P1                 0
  L                                       5A                         3    LC                          B+        2 2
  R S     167.02    179.28      INTERBEDDED CALC HORNFELS (60%) AND LIGHT GREEN HIGHLY BLEACHED
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Chevron Minerals Ltd.
M579

DRILLHOLE/TRAVERSE : S87DH001 (CONTINUED)

KEY	FLAG	-INTERVAL- (UNITS = MT) FROM - TO	CORE RECOVERY (%)	%MI	ROCK TYPE	TYPIFYING TM 1	TYPIFYING TM 2	QAL MIN MAT QM1	TEXTURES TX 1	TEXTURES TX 2	GRAIN CHARACS F	C	%	M	FRACTURE #	TK	STRUCTUR-1 T	ID	STK AZM	DIP RT	ALTERATION H A DI	H A VE	H A CY	H A C/	H A BI	MINS H A ANY MIN XX	ORE-TYPE H A PY	MINS H A CP	H A LI	MINS H A ANY 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	
Y	G		DESIG	AGE			COL					R	D	P	C			STRUCTUR-2				A	A	A	A	A	A	A	A	
R	S	167.02 179.28					CALCAREOUS SILTSTONE. VERY WELL FRACTURED. DRILLERS FOUND																									
R	S	167.02 179.28					THIS INTERVAL "BLOCKY".																									
N	S	167.02 179.28				CA	4	SILT		BL	7	BN	1	2	5	8	D	3	BN	55			P5						1	5
L							7A									4											D)			2	6

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

DRILL HOLE S87DH001 WAS COLLARED ON THE LOST HORSE 86 CLAIM AND DRILLED TO A TOTAL DEPTH OF 187.76 METRES, ALONG AN AZIMUTH OF 077 DEG. AND DIP OF -65 DEG. THE HOLE WAS LOCATED EAST OF THE COPPERFIELD CONGOLMERATE OUTCROP IN AN AREA OF EXTENSIVE CALCIC ALTERATION AND WAS DRILLED TO TEST THE POTENTIAL FOR SKARN MINERALIZATION WITHIN THE UNDERLYING CARBONATES AND INTENSELY ALTERED CLASTIC SEDIMENTS.
INTERBEDDED CALC-HORNFELS AND LIMESTONE WAS DRILLED FROM 0.91 TO 114.87 METRES. THIS ZONE HAS UNDERGONE UP TO 80% CALCIC ALTERATION, PATCHY AND PERVASIVE, AND IS CUT BY A FEW SULPHIDE-RICH HORNBLENDE FELDSPAR PORPHYRY SILLS. INTERBEDDED HORNFELS AND CALCAREOUS SILTSTONE OCCUR FROM 114.87 TO 187.76 METRES. CALCIC ALTERATION OF THIS INTERVAL IS WEAK, USUALLY LESS THAN 20%, AND LOCALLY RANGES UP TO 50%. THIS ZONE IS ALSO INTERSECTED BY A FEW SILLS AS ABOVE.

ASSAY FILE FTN - M579 - S87DH001
SAMPLE INTERVALS

LINE	FROM	TO	INTERVAL	SAMPLE
1	0.00	0.91	0.91	
2	0.91	2.33	1.42	359501
3	2.33	5.81	3.48	359502
4	5.81	6.81	1.00	116001
5	6.81	8.23	1.42	359503
6	8.23	9.83	1.60	359504
7	9.83	11.23	1.40	359505
8	11.23	12.78	1.55	359506
9	12.78	14.33	1.55	359507
10	14.33	15.83	1.50	359508
11	15.83	17.37	1.54	359509
12	17.37	18.87	1.50	359510
13	18.87	20.42	1.55	359511
14	20.42	21.92	1.50	359512
15	21.92	23.47	1.55	359513
16	23.47	25.05	1.58	116002
17	25.05	26.52	1.47	359514
18	26.52	28.02	1.50	359515
19	28.02	29.57	1.55	359516
20	29.57	31.07	1.50	359517
21	31.07	32.61	1.54	359518
22	32.61	34.11	1.50	359519
23	34.11	35.53	1.42	359520
24	35.53	38.58	3.05	116003
25	38.58	41.63	3.05	116004
26	41.63	44.68	3.05	116005
27	44.68	46.18	1.50	116006
28	46.18	47.68	1.50	116007
29	47.68	49.18	1.50	359521
30	49.18	50.90	1.72	359522
31	50.90	52.47	1.57	359523
32	52.47	54.45	1.98	116008
33	54.45	56.44	1.99	116009
34	56.44	57.83	1.39	359524
35	57.83	58.83	1.00	359525
36	58.83	59.86	1.03	116010
37	59.86	61.59	1.73	359526
38	61.59	63.09	1.50	359527
39	63.09	64.59	1.50	359528
40	64.59	66.14	1.55	359529
41	66.14	67.74	1.60	359530
42	67.74	68.87	1.13	116011
43	68.87	70.20	1.33	359531
44	70.20	71.20	1.00	116012
45	71.20	72.24	1.04	359532
46	72.24	74.00	1.76	359533
47	74.00	76.00	2.00	116013
48	76.00	77.50	1.50	359534
49	77.50	78.83	1.33	359535
50	78.83	80.00	1.17	359536
51	80.00	81.38	1.38	359537
52	81.38	82.63	1.25	359538
53	82.63	84.30	1.67	116014
54	84.30	85.96	1.66	116015

ASSAY FILE FTN - M579 - S87DH001
SAMPLE INTERVALS

LINE	FROM	TO	INTERVAL	SAMPLE
55	85.96	87.96	2.00	116016
56	87.96	89.46	1.50	359539
57	89.46	91.53	2.07	359540
58	91.53	93.04	1.51	359541
59	93.04	94.45	1.41	116017
60	94.45	95.76	1.31	359542
61	95.76	97.76	2.00	116018
62	97.76	99.44	1.68	116019
63	99.44	100.02	0.58	116020
64	100.02	100.60	0.58	116021
65	100.60	102.06	1.46	116022
66	102.06	104.06	2.00	116023
67	104.06	105.77	1.71	359543
68	105.77	107.08	1.31	359544
69	107.08	108.33	1.25	359545
70	108.33	109.50	1.17	116024
71	109.50	111.00	1.50	359546
72	111.00	112.10	1.10	359547
73	112.10	113.20	1.10	116025
74	113.20	114.84	1.64	359548
75	114.84	116.50	1.66	359549
76	116.50	117.95	1.45	359550
77	117.95	119.45	1.50	359551
78	119.45	121.01	1.56	359552
79	121.01	122.28	1.27	359553
80	122.28	123.60	1.32	359554
81	123.60	125.60	2.00	116026
82	125.60	126.48	0.88	359555
83	126.48	128.48	2.00	116027
84	128.48	130.00	1.52	359556
85	130.00	131.00	1.00	359557
86	131.00	133.00	2.00	116028
87	133.00	134.50	1.50	359558
88	134.50	135.20	0.70	359559
89	135.20	137.20	2.00	116029
90	137.20	138.70	1.50	359560
91	138.70	140.62	1.92	359561
92	140.62	141.08	0.46	116030
93	141.08	142.34	1.26	116031
94	142.34	143.84	1.50	359562
95	143.84	145.39	1.55	359563
96	145.39	146.89	1.50	359564
97	146.89	148.00	1.11	359565
98	148.00	149.49	1.49	359566
99	149.49	151.49	2.00	116032
100	151.49	152.99	1.50	359567
101	152.99	154.53	1.54	359568
102	154.53	156.37	1.84	116033
103	156.37	157.87	1.50	359569
104	157.87	159.37	1.50	359570
105	159.37	160.94	1.57	359571
106	160.94	161.57	0.63	116034
107	161.57	163.07	1.50	116035
108	163.07	164.56	1.49	116036

ASSAY FILE FTN - M579 - S87DH001
SAMPLE INTERVALS

LINE	FROM	TO	INTERVAL	SAMPLE
109	164.56	164.96	0.40	116037
110	164.96	166.72	1.76	359572
111	166.72	168.32	1.60	359573
112	168.32	169.77	1.45	359574
113	169.77	170.82	1.05	359575
114	170.82	172.82	2.00	116038
115	172.82	174.82	2.00	359576
116	174.82	177.28	2.46	359577
117	177.28	179.28	2.00	116039
118	179.28	181.97	2.69	359578
119	181.97	183.36	1.39	359579
120	183.36	185.36	2.00	116040
121	185.36	187.76	2.40	359580

ASSAY FILE SLG - M579 - S87DH001
SLUDGE SAMPLES

LINE	FROM	TO	INTERVAL	SAMPLE	AUPPB

NO Records Found for this Report

Chevron Minerals Ltd.
M579

DRILLHOLE/TRAVERSE : S88DH003

PROJECT IDEN : M579 | START DATE : 88/ 9/29 | COMPLETION DATE : 88/10/ 3 | GEOLOGGED BY : DDD + SGM
COLLAR NORTHING: -3895.00 | COLLAR EASTING : -175.00 | COLLAR ELEVATION: 1640.00 | GRID AZIMUTH : 0.00
TOTAL LENGTH : 187.75 | CORE/HOLE SIZE : NQ

SURVEY FLAG	SURVEY POINT LOCATION	FORESIGHT	AZIMUTH (DEGREES)	VERTICAL ANGLE (DEGREES)	NORTHING	EASTING
000	0.00		77.00	-60.00		
001	96.62		77.00	-59.00		
002	187.75		77.00	-59.00		

K E Y	F L A G	- INTERVAL - FROM	TO	CORE RECOVERY (%)	% M I X	ROCK TYPE	TYPIFYING TM 1	TM 2	QAL MIN MAT QM1	TEXTURES TX 1	TX 2	GRAIN CHARACS F	F	C	% M	FRACTURE P	#	TK	STRUCTUR-1 T	ID	STK AZM	DIP RT	ALTERATION MINS H A DI	H A VE	H A CY	H A C/	H A BI	ANY MIN A XX	H A PY	H A CP	H A LI	ANY MIN A YY	ORE-TYPE MINS SUMMARY
P		0.00	3.05				TRIC									P																	
R	P	0.00	3.05	TRICONED: CASING/OVERBURDEN.																													
P		3.05	18.69				HFBT		BL4	BN	FR	1	2	5	2	P	4	BN			75			Q3	P7		(*					1 5
L								4A		BR					5				F/		45						(+	D)				2 4
R	P	3.05	18.69	BIOTITE HORNFELS: DARK GREY-PURPLE, VERY HARD, FINELY LAMINTED.																													
R	P	3.05	18.69	LOCALLY FRAGMENTED AND BRECCIATED WITH RANDOM, WEAK (30%)																													
R	P	3.05	18.69	PATCHY CALCIC ALTERATION, THIS ALTERATION IMPARTS PARTLY																													
R	P	3.05	18.69	MOTTLED TEXTURE TO THE HOST ROCK. OVERALL WEAKLY MINERALIZED,																													
R	P	3.05	18.69	0.3% PYRITE AS DISSEMINATIONS AND FRACTURE FILLINGS AND UP TO																													
R	P	3.05	18.69	1% PYRRHOTITE DOMINANTLY AS IRREGULAR BLEBS AND DISSEMINATIONS.																													
R	P	3.05	18.69	HORNFELS IS ON AVERAGE THIN TO MEDIUM BEDDED (2-40CM), IT IS																													
R	P	3.05	18.69	INTERCALATED WITH PALE GREY CALC-HORNFELS (20%), COARSE ASH																													
R	P	3.05	18.69	TUFF (30%) AND MINOR GREY LIMESTONE (3%).																													
R	F	3.05	18.69	TUFF: PALE GREY TO PINK, COARSELY FREAGMENTED (0.5-2.0MM),																													
R	F	3.05	18.69	MODERATELY BLEACHED/HORNFELSED (40%). PARTLY MOTTLED TEXTURE IN																													
R	F	3.05	18.69	AREAS OF MOST INTENSE ALTERATION, 1-1.5% PYRRHOTITE BLEBS AND																													
R	F	3.05	18.69	DISSEMINATIONS.																													
R	S	3.05	18.69	CALC-HORNFELS: LIGHT GREY TO PINK, EXTREMELY HARD, FINE																													
R	S	3.05	18.69	GRAINED, BANDED TO LOCALLY MOTTLED, ALTERATION BANDS ARE																													
R	S	3.05	18.69	GENERALLY 1-5CM WIDE AND PARALLEL THE BEDDING. CALCIC																													
R	S	3.05	18.69	ALTERATION IS PERVASIVELY DEVELOPED (70%).																													
N	F	3.05	18.69				3 TUFF		BL5	MX		2	5	)	6	N		BN			70			P5								1 2
L								6A							3													B)				1 5
N	S	3.05	18.69				2 HFCA		BL7	BN	ML	1	2	5	2	N		BN			70			P7			D*		E(			1 2
L								7A							3																	2 7
P		18.69	187.75				HFLS		BL5	BN	ML	1	2	5	2	P	2	BN			65			Q3			D(					1 4
L								4A		BR					4																	2 5
R	P	18.69	187.75	HORNFELS: MEDIUM TO DARK GREY, BANDED, IT IS MOTTLED GREY TO																													
R	P	18.69	187.75	CREAMY IN AREAS OF BRECCIATION WHERE CALC-SILICATE ALTERATION																													
R	P	18.69	187.75	(35%) FORMS ENVELOPES SURROUNDING FRACTURES AND PERMEATES ALONG																													

K E Y	F L A G	- INTERVAL - FROM	TO	CORE RECOVERY (%)	ROCK QUAL DESIG	FOR MEM AGE	EN V	RT Q	LC-COL	TM 3	QM2	TX 3	TX 4	S R O R	R S D	O N P	H C	DIP / SML	F I	STRUCTUR-2 T	ID	STK AZM	DIP RT	GA H A	WO H A	CL H A	EP H A	CA H A	HA H A	PR H A	AS H A	FS H A	HA H A
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
Y	G				DESIG	AGE			COL					R	D	P	C			STRUCTUR-2				A	A	A	A	A	A	A	A

Chevron Minerals Ltd.
M579

DRILLHOLE/TRAVERSE : S88DH003 (CONTINUED)

K E Y	F L A G	-INTERVAL- FROM	TO	CORE RECOV- ERY (%)	% M I X	ROCK TYPE	TYPI- FYING TM 1	TM 2	QAL MIN MAT QM1	TEX- TURES TX 1	TX 2	GRAIN CHARACS F	C	% M	P	#	FRAC- TURE TK	STRUCTUR-1 T	ID	STK AZM	DIP RT	ALTERATION MINS H A DI	H A VE	H A CY	H A C/	H A BI	ANY MIN H A XX	ORE-TYPE MINS H A PY	H A CP	ANY MIN H A LI YY	SUMMARY
K E Y	F L G			ROCK QUAL DESIG	FOR MEM AGE	EN V	RT Q	LC- COL	QM2 3	TX 3	TX 4	S O R	R N D	S H P	O / C	DIP SML	F I	STRUCTUR-2 T	ID	STK AZM	DIP RT	GA H A	WO H A	CL H A	EP H A	CA H A	HA H A	PR H A	AS H A	FS H A	HA H A	
R	P	18.69	187.75																												THE BEDDING PLAINS TO THE REST OF THE HOST ROCK, WEAKLY
R	P	18.69	187.75																												MINERALIZED, 0.1% PYRITE DISSEMINATIONS. HORNFELS IS
R	P	18.69	187.75																												INTERBEDDED WITH PALE GREY CALC-HORNFELS (35%), GREY
R	P	18.69	187.75																												CALC-SILTSTONE/SILTY LIMESTONE (25%) AND MINOR HORNFELSED FINE
R	P	18.69	187.75																												PEBBLE CONGLOMERATE/GRIT. AT 18.69-28.10M IS A STRONGLY
R	P	18.69	187.75																												ALTERED ZONE. 70% PALE GREY TO PINK CALC-HORNFELS INTERCALATED
R	P	18.69	187.75																												WITH 30% DARK GREY HORNFELS AND <5% GREY LIMESTONE. 0.1% PYRITE
R	P	18.69	187.75																												DISSEMINATIONS. RARE INTERVALS WITH RUSTY STAINED FRACTURE
R	P	18.69	187.75																												SURFACES, PALE BROWN COARSE CRYSTALLINE GYPSUM AND WHITE CALCITE
R	P	18.69	187.75																												OCCUR AS OPEN-SPACE FRACTURE FILLINGS AT 55.30-57.00M,
R	P	18.69	187.75																												60.02-60.87M, 68.60-69.09M, 87.48-89.96M AND 181.66-185.35M.
R	P	18.69	187.75																												COARSE CRYSTALLINE CALCITE FILLS FRACTURES FROM 122.60-126.80M.
R	F	18.69	187.75																												CALC-HORNFELS: LIGHT GREY TO PINK, FINE GRAINED, VERY
R	F	18.69	187.75																												SILICIOUS. CALC-HORNFELS OCCUR AS DICRETE ALTERATION BANDS
R	F	18.69	187.75																												PARALLEL TO BEDDING (2-10CM WIDE) AND INTERCALATED WITH
R	F	18.69	187.75																												HORNFELS OR AS REPLACEMENT PATCHES WHICH IMPART DARK GREY AND
R	F	18.69	187.75																												PALE CREAMY MOTTLED TEXTURE TO THE DARK GREY HORNFELS. ON
R	F	18.69	187.75																												AVERAGE 0.1% PYRITE DISSEMINATIONS AND FRACTURE FILLING. 0.1%
R	F	18.69	187.75																												PYRRHOTITE BLEBS.
R	S	18.69	187.75																												CALCAREOUS SILTSTONE: MEDIUM TO LIGHT GREY CALCAREOUS
R	S	18.69	187.75																												SILTSTONE, LESSER ARGILLACEOUS LIMESTONE AND CALCAREOUS GRIT.
R	S	18.69	187.75																												RELATIVELY UNALTERED, FRESH, MASSIVE, POORLY BEDDED (<5 TO
R	S	18.69	187.75																												50CM). IT IS CUT BY OCCASIONAL CALCITE VEINLETS, 0.1-0.3%
R	S	18.69	187.75																												PYRRHOTITE BLEBS.
N	F	18.69	187.75		3	HFCA	BL8	BN	ML	1	2	5	2	N	BN	65	P7							D(	E)	1	4	
L						7A							4													B(	D(	2	8	
N	S	18.69	187.75		CA 3	SILT	BL3	MX		2	5	2	6	N														1	3	
L						6A							3		3								<+		B(			0	
R	T	28.10	30.22																												HORNBLENDE-FELDSPAR PORPHYRY: DARK BROWN-PURPLE. PORPHYRITIC,
R	T	28.10	30.22																												10-15% EUHEDRAL. CREAMY PLAGIOCLASE, WEAKLY BLEACHED AND 8-10%
R	T	28.10	30.22																												HORNBLENDE ALTERED TO BIOTITE. 20% PATCHY CALCIC ALTERATION.
R	T	28.10	30.22																												PORPHYRY SILL/DYKE CONTAINS XENOLITHS OF CALC-HORNFELS AND
R	T	28.10	30.22																												HORNFELS. 2-3% LARGE BLEBS OF PYRRHOTITE AND 0.3-0.5% PYRITE
R	T	28.10	30.22																												MICROVEINLETS AND BLEBS.
N	T	28.10	30.22		X	PPHF	BL2	ML	PP	3	5	2	6	N	UC	40	Q2	H=						B*	E)	1	4	
L						4U							3		LC	50								B+		1	6	
R	T	84.35	85.48																												HORNBLENDE FELDSPAR PORPHYRY: DARK BROWN TO GREY, PORPHYRITIC,
R	T	84.35	85.48																												WEAK PATCHY BIOTITE ALTERATION OF PHENOCRYSTS AND MATRIX. 2-4%
R	T	84.35	85.48																												PYRRHOTITE AND 0.3% PYRITE.
N	T	84.35	85.48		X	PPHF			PP	3	5	2	5	N				Q=	GY	D*						1	3	
L						4U							3							<(	B+					1	6	
R	T	121.30	122.60																												HORNBLENDE-FELDSPAR PORPHYRY: WITH 1% EACH OF PYRRHOTITE AND
R	T	121.30	122.60																												PYRITE AS DISSEMINATIONS AND BLEBS. LOWER CONTACT AREA IS
R	T	121.30	122.60																												BRECCIATED AND CHLORITIZED.

Chevron Minerals Ltd.
M579

DRILLHOLE/TRAVERSE : S88DH003 (CONTINUED)

KEY	FL AG	-INTERVAL- (UNITS = MT) FROM - TO	CORE RECOVERY (%)	% M I X	ROCK TYPE	TYPIFYING 1	TYPIFYING 2	QAL MIN MAT QM1	TEXTURES TX 1	TEXTURES TX 2	GRAIN CHARACS F	GRAIN CHARACS C	GRAIN CHARACS % M	FRACTURE P	FRACTURE # TK	STRUCTUR-1 T	STRUCTUR-1 ID	STRUCTUR-1 STK AZM	STRUCTUR-1 DIP RT	ALTERATION H A DI	ALTERATION H A VE	ALTERATION H A CY	ALTERATION H A C/	ALTERATION H A BI	MINS H ANY MIN XX	ORE-TYPE H A PY	ORE-TYPE H A CP	MINS H ANY MIN YY	SUMMARY
KEY	FL AG		ROCK QUAL DESIG	FOR MEM AGE	EN V	RT Q	LC-COL	TM 3	QM2	TX 3	TX 4	S O R	R N D	H P C	DIP / SML	F I	STRUCTUR-2 T	STRUCTUR-2 ID	STRUCTUR-2 STK AZM	STRUCTUR-2 DIP RT	GA H A	WO H A	CL H A	EP H A	CA H A	HA H A	PR H A	AS H A	FS H A	HA H A
NT		121.30	122.60		X	PPHF			PP	2	5	3	5	N											Q2	D)		1 4
L						4A								4												B)		1 5
RT		161.14	161.88	HORNBLENDE-FELDSPAR PORPHYRY: WITH 1% PYRRHOTITE AND 0.3-0.5%																									
RT		161.14	161.88	PYRITE.																									
NT		161.14	161.88		X	PPHF			PP	3	5	4	5	N		UC		80							H1	B*		1 3
L						4A								3		LC		85								B)		1 5

SUMMARY REMARKS

DRILL HOLE S88DH003 WAS COLLARED ON LOST HORSE 86, ALONG THE AZIMUTH OF 77 DEG. AND A DIP OF -60 DEG. AND WAS DRILLED TO A TOTAL DEPTH OF 187.75M. THE HOLE WAS LOCATED SOUTH OF THE S87DH001 AND WAS DRILLED TO TEST THE HEDLEY CLASTIC AND CARNATE SEDIMENTS FOR AURIFEROUS SKARN TYPE MINERALIZATION.
FROM 3.05-18.69 INTERBEDDED BIOTITE HORNFELS (60%), ASH TUFF (30%) AND CALC-HORNFELS (20%) WAS INTERSECTED. IN THIS ZONE BIOTITE HORNFELS HAVE UNDERGONE WEAK, DOMINANTLY PATCHY CALCIC ALTERATION (30%), INTERBEDDED DARK GREY HORNFELS (40%), CALC HORNFELS (35%) AND ARGILLACEOUS LIMESTONE. CALCAREOUS SILTSTONE AND CALCAREOUS GRIT (25%) WERE ENCOUNTERED FROM 18.69-187.75M. CALCIC ALTERATION OF THIS INTERVAL IS RELATIVELY WEAK, IT IS ON AVERAGE 35% WITH EXCEPTION OF A SHORT SECTION FROM 18.60-28.10M WHERE IT FORMS 70% OF THE HOST ROCK. SULPHIDE MINERALIZATION IS GENERALLY SPORADICALLY DISTRIBUTED. AVERAGE OVER THE ENTIRE LENGTH OF THE HOLE IS 0.1% PYRITE AND 0.3% PYRRHOTITE. ENHANCED SULFIDE MINERALIZATION IS OBSERVED IN 4 NARROW HORNBLENDE-FELDSPAR PORPHYRY DYKES/SILLS; (28.10-30.22M, 84.35-85.48M, 121.30-122.60M AND 161.40-161.88M) WITH UP TO 3% PYRRHOTITE BLEBS AND 1% PYRITE.

ASSAY FILE FTN - M579 - S88DH003
SAMPLE INTERVALS

LINE	FROM	TO	INTERVAL	SAMPLE
1	0.00	3.05	3.05	
2	3.05	6.10	3.05	359651
3	6.10	8.23	2.13	359652
4	8.23	10.36	2.13	359653
5	10.36	12.30	1.94	359654
6	12.30	14.41	2.11	359655
7	14.41	17.00	2.59	359656
8	17.00	18.69	1.69	359657
9	18.69	20.40	1.71	359658
10	20.40	22.25	1.85	359659
11	22.25	24.38	2.13	359660
12	24.38	26.52	2.14	359661
13	26.52	28.10	1.58	359662
14	28.10	30.22	2.12	359663
15	30.22	32.22	2.00	359664
16	32.22	34.22	2.00	359665
17	34.22	37.00	2.78	359666
18	37.00	39.00	2.00	359667
19	39.00	41.00	2.00	359668
20	41.00	43.20	2.20	359669
21	43.20	45.20	2.00	359670
22	45.20	47.85	2.65	359671
23	47.85	49.68	1.83	359672
24	49.68	52.00	2.32	359673
25	52.00	54.57	2.57	359674
26	54.57	56.69	2.12	359675
27	56.69	58.74	2.05	359676
28	58.74	60.87	2.13	359677
29	60.87	62.79	1.92	359678
30	62.79	64.79	2.00	359679
31	64.79	66.79	2.00	359680
32	66.79	69.09	2.30	359681
33	69.09	71.09	2.00	359682
34	71.09	72.94	1.85	359683
35	72.94	74.98	2.04	359684
36	74.98	76.98	2.00	359685
37	76.98	78.98	2.00	359686
38	78.98	81.86	2.88	359687
39	81.86	84.35	2.49	359688
40	84.35	85.48	1.13	359689
41	85.48	87.48	2.00	359690
42	87.48	89.52	2.04	359691
43	89.52	91.52	2.00	359692
44	91.52	93.57	2.05	359693
45	93.57	95.57	2.00	359694
46	95.57	97.92	2.35	359695
47	97.92	99.97	2.05	359696
48	99.97	101.97	2.00	359697
49	101.97	104.02	2.05	359698
50	104.02	106.07	2.05	359699
51	106.07	108.07	2.00	359700
52	108.07	110.81	2.74	359701
53	110.81	112.90	2.09	359702
54	112.90	114.90	2.00	359703

ASSAY FILE FTN - M579 - S88DH003
SAMPLE INTERVALS

LINE	FROM	TO	INTERVAL	SAMPLE
55	114.90	116.93	2.03	359704
56	116.93	117.95	1.02	359705
57	117.95	119.95	2.00	359706
58	119.95	121.30	1.35	359707
59	121.30	122.60	1.30	359708
60	122.60	124.60	2.00	359709
61	124.60	126.79	2.19	359710
62	126.79	128.79	2.00	359711
63	128.79	130.84	2.05	359712
64	130.84	132.89	2.05	359713
65	132.89	134.94	2.05	359714
66	134.94	136.94	2.00	359715
67	136.94	138.99	2.05	359716
68	138.99	140.61	1.62	359717
69	140.61	142.34	1.73	359718
70	142.34	145.08	2.74	359719
71	145.08	147.08	2.00	359720
72	147.08	149.18	2.10	359721
73	149.18	151.18	2.00	359722
74	151.18	153.18	2.00	359723
75	153.18	155.23	2.05	359724
76	155.23	157.28	2.05	359725
77	157.28	159.32	2.04	359726
78	159.32	161.32	2.00	359727
79	161.32	163.52	2.20	359728
80	163.52	165.57	2.05	359729
81	165.57	168.22	2.65	359730
82	168.22	170.62	2.40	359731
83	170.62	172.82	2.20	359732
84	172.82	174.82	2.00	359733
85	174.82	176.82	2.00	359734
86	176.82	178.92	2.10	359735
87	178.92	181.00	2.08	359736
88	181.00	183.00	2.00	359737
89	183.00	185.00	2.00	359738
90	185.00	187.75	2.75	359739

ASSAY FILE SLG - M579 - S88DH003
SLUDGE SAMPLES

LINE	FROM	TO	INTERVAL	SAMPLE	AUPPB

NO Records Found for this Report

Chevron Minerals Ltd.
M579

DRILLHOLE/TRAVERSE : S88DH004

PROJECT IDEN : M579 START DATE : 88/10/ 3 COMPLETION DATE : 88/10/ 9 GEOLOGGED BY : DDD + SGM
COLLAR NORTHING: -3765.00 COLLAR EASTING : -375.00 COLLAR ELEVATION: 1715.00 GRID AZIMUTH : 0.00
TOTAL LENGTH : 300.83 CORE/HOLE SIZE : NQ

SURVEY FLAG	SURVEY POINT LOCATION	FORESIGHT	AZIMUTH (DEGREES)	VERTICAL ANGLE (DEGREES)	NORTHING	EASTING
000	0.00		77.00	-60.00		
001	178.31		77.00	-60.00		
002	300.83		77.00	-56.00		

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   F  - I N T E R V A L -  CORE      %      TYPI- QAL  TEX-  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   F R O M  -  T O     ( % )    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
Y  G                       DESIG  AGE     COL            R D P C            STRUCTUR-2        A  A  A  A  A  A  A  A

P       0.00      3.05              TRIC                              P
R P     0.00      3.05        TRICONED INTERVAL: CASING/OVERBURDEN.

P       3.05      14.02             CGPB      BL6 FR ML 3 6 6 7       P                    Q7          E+     1 5
L                                       6A              5 4 3 C    5            10                 B*          2 6
R P     3.05      14.02       PEBBLE CONGLOMERATE: MOTTLED PALE GREY, PINK AND GREEN, COARSE
R P     3.05      14.02       FRAGMENTAL (10%). REMNANTS OF LIMESTONE CLASTS. FAIRLY STRONG
R P     3.05      14.02       PATCHY CALCIC ALTERATION (60-70%) WHICH IMPARTS MOTTLED
R P     3.05      14.02       APPEARENCE TO THE CONGLOMERATE. 0.3% PYRRHOTITE BLEBS AND FINE
R P     3.05      14.02       DISSEMINATIONS. CONGLOMERATE IS INTERBEDDED WITH HORNFELSED
R P     3.05      14.02       TUFF (20%) AND CALC HORNFELS (30%)
R F     3.05      14.02       CALC-HORNFELS: THINLY BANDED GREY AND PINK, PARTLY MOTTLED WITH
R F     3.05      14.02       60% PATCHY AND BANDED CALCIC ALTERATION. UP TO 1% PYRRHOTITE AS
R F     3.05      14.02       MICROVEINLETS, BLEBS AND FINE DISSEMINATIONS AND <0.3 PYRITE AS
R F     3.05      14.02       MICROVEINLETS AND DISSEMINATIONS.
R S     3.05      14.02       TUFF: MEDIUM GREEN, TUFFACEOUS SILTSTONE OR TUFF. 40% PATCHY
R S     3.05      14.02       PINK CALCIC ALTERATION WHICH IMPARTS MOTTLED IMPRESSION IN
R S     3.05      14.02       AREAS OF ALTERATION. 2-3% PYRRHOTITE BLEBS AND FRACTURE
R S     3.05      14.02       FILLINGS. 0.1% PYRITE DOMINANTLY AS FINE DISSEMINATIONS AND
R S     3.05      14.02       0.01% CHALCOPYRITE.
N F     3.05      14.02           3 HFCA      BL6 BN ML 1 2 5 2       N    BN      75          Q6      (*    E=     1 3
L                                       6A                      3                              ()          2 6
N S     3.05      14.02           2 TUFF      BL4 MX ML 2 3 5 3       N                        Q4      D(  B. E1      1 4
L                                       5G                      4                              B+          1 4

P       14.02     21.94             FAUL                              P                                            2 7
R P     14.02     21.94       FAULT ZONE: THIS INTERVAL CONSISTS OF STRONGLY BRECCIATED PALE
R P     14.02     21.94       GREY AND PINK CALC-HORNFELS (90%). INTERCALATED WITH MEDIUM
R P     14.02     21.94       GREEN TUFF (10%). HEAVILY RUSTY STAINED OVER ALMOST ENTIRE
R P     14.02     21.94       LENGTH.

P       21.94     38.71             HFCA      BL7 ML    1 2 5 2       P                    Q7      B(    E)     1 5
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M579

DRILLHOLE/TRAVERSE : S88DH004 (CONTINUED)

KEY	FLAG	FROM	TO	CORE RECOVERY (%)	%M	ROCK TYPE	TYPIFYING TM 1	TYPIFYING TM 2	QAL MIN MAT	TEXTURES TX 1	TEXTURES TX 2	GRAIN CHARACS F	GRAIN CHARACS C	GRAIN CHARACS % M	FRACTURE P	FRACTURE #	FRACTURE TK	STRUCTUR-1 T	STRUCTUR-1 ID	STRUCTUR-1 STK AZM	STRUCTUR-1 DIP RT	ALTERATION H DI	ALTERATION H VE	ALTERATION H CY	ALTERATION H C/	ALTERATION H BI	ALTERATION ANY MIN XX	ORE-TYPE H PY	ORE-TYPE H CP	ORE-TYPE H LI	ORE-TYPE ANY MIN YY	SUMMARY
K	F			ROCK QUAL DESIG	FOR MEM AGE	EN V	RT Q	LC-COL	3		QM2 3	TX 3	TX 4	S R O N R D	H P C	S O	DIP /	F SML	T 2	ID	STK AZM	DIP RT	GA H A	WO H A	CL H A	EP H A	CA H A	HA H A	PR H A	AS H A	FS H A	HA H A	
L								7A									5											(*				2 7	
R	P	21.94	38.71	CALC HORNFELS: MOTTLED PALE GREY AND PINK WITH REMNANT DARK PURPLE-BROWN PATCHES OF BIOTITE HORNFELS. 70% PATCHY TO LOCALLY PERVASIVE CACIC ALTERATION. 0.3-0.5% PYRRHOTITE MICROVEINLETS AND BLEBS AND 0.1% PYRITE BLEBS. CALC HORNFELS IS INTERBEDDED WITH PURPLE-BROWN BIOTITE HORNFELS (50%).																												
R	F	21.94	38.71	BIOTITE HORNFELS: MASSIVE TO RARELY BANDED, MOTTLED PURPLE-BROWN AND PALE GREY AND GREEN. 40% CALCIC ALTERATION WHICH OCCURS AS ENVELOPES SURROUNDING RANDOM FRACTURES AND AS IRREGULAR PATCHES AND BANDS PARALLEL TO BEDDING. 2-3% PYRRHOTITE AS FRACTURE FILLINGS, BLEBS AND DISSEMINATIONS, AND 0.3% PYRITE BLEBS.																												
N	F	21.94	38.71		5 HFBT			BL4	MX	ML	2	3	3	3		N		BN		70					Q4	P6	B*				1 5	
L								4U			BN						5											(+				1 6	
P		38.71	157.53			HFCA		BL8	FR	ML	2	5	4	7		P										Q7		B(				1 3	
L								7A									3											B)				2 7	
R	P	38.71	157.53	CALC HORNFELS: MOTTLED PALE GREY, GREEN AND PINK, FRAGMENTAL WITH UP TO 35% SUBANGULAR TO SUBROUND CLASTS SET IN A FINE GRAINED CALC-HORNFELS MATRIX. ORIGINAL ROCK WAS CALCAREOUS GRIT TO FINE PEBBLE CONGLOMERATE. CALC-SILICATE ALTERATION IS FAIRLY STRONG (70%). 1% PYRRHOTITE AS REPLACEMENT BLEBS AND PATCHES AND AS MICROFRACTURE FILLINGS AND 0.1% PYRITE.																												
R	F	38.71	157.53	BIOTITE HORNFELS: DARK PURPLE-BROWN, GENERALLY MASSIVE. LOCALLY MOTTLED AS A RESULT OF PATCHY PALE GREY AND GREEN CALCIC ALTERATION (20-30%). HORNFELS IS FAIRLY THICKLY BEDDED, WITH RANGE FROM 10-150CM. 0.3-0.5% PYRRHOTITE BLEBS AND FRACTURE FILLINGS. BIOTITE HORNFELS IS INTERBEDDED WITH CALC-HORNFELS (70%) AND LESSER GREY TO CREAMY IMPURE LIMESTONE/MARBLE (3%) AND HORNFELSED SILTSTONE.																												
N	F	38.71	157.53		3 HFBT			BL3	MX	ML	1	2	5	2		N										Q2	P8					1 4	
L								4U									4											(+	B*			1 8	
R	S	57.50	58.44	LIMESTONE: LIGHT GREY WITH PATCHES OF DARK GREY. COARSE CRYSTALYNE, PARTLY RECRYSTALIZED (MARBLE?), IT CONTAINS POORLY FORMED PINKISH GARNETS (0.1%). 0.3-0.5% PYRRHOTITE BLEBS AND DISSEMINATIONS.																												
N	S	57.50	58.44		X LMST				MX		3	4	5	4		N		UC		65												1 3	
L								6A									3		LC		40	D(					(+	B*			1 6	
R	S	59.20	60.38	LIMESTONE: MEDIUM TO LIGHT GREY, PARTLY FRAGMENTAL, IMPURE. 0.1% PYRRHOTITE DISSEMINATIONS.																												
N	S	59.20	60.38		X LMST				FR		3	4	5	5		N		UC		38												1 3	
L								5A									3		LC		90						(+	D(			1 6	
R	S	106.64	113.26	SILTSTONE: PALE GREY AND MASSIVE. VERY HARD AND SILICEOUS. MODERATE PERVASIVE CALCIC ALTERATION (60%). UP TO 1% FINELY																												

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M579

DRILLHOLE/TRAVERSE : S88DH004 (CONTINUED)

K E Y	F L A G	- INTERVAL - (UNITS = MT) FROM	TO	CORE RECOV-ERY (%)	% M I X	ROCK TYPE	TYPI-FYING TM 1	TM 2	QAL MIN MAT QM1	TEX-TURES TX 1	TX 2	GRAIN CHARACS F	C	% M	P	#	TK	FRAC-TURE	STRUCTUR-1 T	ID	STK AZM	DIP RT	ALTERATION MINS H DI	H A VE	H A CY	H A C/	H A BI	H ANY A MIN XX	ORE-TYPE MINS H A PY	H A CP	H A LI	H ANY A MIN YY	SUMMARY
K E Y	F L G			ROCK QUAL DESIG	FOR MEM AGE	EN V	RT Q	TM LC- COL	QM2 3	TX 3	TX 4	S O R	R N D	S H P	O / C	DIP SML	F I	STRUCTUR-2 T	ID 2	STK AZM	DIP RT	GA WO H	CL EP H	CA H	HA H	PR AS H	FS H	HA A					
R S		106.64	113.26		DISSEMINATED PYRRHOTITE.																												
N S		106.64	113.26		X SILT			BL6 MX FR				2	4	2	4		N						P6									1 3
L								7A								3												D)				2 5
R S		125.16	128.50		HORNLENDE FELDSPAR PORPHYRY: MEDIUM TO DARK GREY-BROWN WITH 30%																												
R S		125.16	128.50		LIGHT PINK AND GREY PATCHY CLCIC ALTERATION AND 25-30% REDDISH																												
R S		125.16	128.50		BROWN PATCHY BIOTITE ALTERATION. 20-30% CREAMY EUHEDRAL																												
R S		125.16	128.50		PLAGIOCLASE PHENOCRYSTS AND 10% HORNBLENDE ALTERED TO DARK																												
R S		125.16	128.50		PURPLE-BROWN BIOTITE. UP TO 0.5% PYRRHOTITE BLEBS. DYKE/SILL																												
R S		125.16	128.50		EXHIBITS OBSCURED CONTACTS WITH ENCLOSING HOST ROCK. IT IS																												
R S		125.16	128.50		ENVELOPED BY PURPLE-BROWN BIOTITE HORNFELS AT 121.16-125.16 AND																												
R S		125.16	128.50		128.50-130.28M.																												
N S		125.16	128.50		X PPHF			BL3 PP				3	5	3	5		N						Q3 Q3									1 3
L								4A								3												B*				2 4
R S		132.00	140.98		HORNFESLED FINE PEBBLE CONGLOMERATE: PINK AND GREY. MASSIVE																												
R S		132.00	140.98		PEBBLE CONGLOMERATE. IT CONSISTS OF HORNFELSED (LIGHT PINK AND																												
R S		132.00	140.98		GERY) AND DARK GREY UNALTERED CLASTS. MATRIX IS FINE GRAINED,																												
R S		132.00	140.98		LIGHT GREY VERY SILICEOUS / CALC HORNFELSED. 0.5% EACH																												
R S		132.00	140.98		DISSEMINATED AND BLEBY PYRRHOTITE AND PYRITE.																												
N S		132.00	140.98		X CGPB			BL6 FR				3	7	8	8		N	UC	68				P5		D*							1 3
L								6A				4	4	4	C	3		LC	85						D*							2 5
P		157.53	193.65		HFCA			BL8 BN				1	2	5	2		P	BN	70				Q7		B(							1 4
L								8A								4									D)							2 7
R P		157.53	193.65		CALC-HORNFELS: INTERBEDDED CALC-HORNFELS (60%), DARK GREY																												
R P		157.53	193.65		HORNFELS (40%) WITH PATCHY CALCIC ELTERATION AND MINOR LIGHT																												
R P		157.53	193.65		GREY IMPURE LIMESTONE/CALCAREOUS SILTSTONE (5%). CALC HORNFELS																												
R P		157.53	193.65		IS PALE GREY TO PINK BANDED TO MOTTLED. CONTAINS UP TO 1%																												
R P		157.53	193.65		PYRRHOTITE DISSEMINATIONS AND BLEBS AND 0.1-0.2% PYRITE.																												
R F		157.53	193.65		HORNFELS: MEDIUM TO DARK GREY, MOTTLED. 40% CALCIC ALTERATION																												
R F		157.53	193.65		FROM BLEACHED ENVELOPES SURROUNDING RANDOM NETWORK OF																												
R F		157.53	193.65		MICROFRACTURES TO EXTENSIVE PATCHES AND BANDS PARALLEL TO																												
R F		157.53	193.65		BEDDING. 0.5% PYRRHOTITE AND 0.1-0.2% PYRITE AS DISSEMINATIONS,																												
R F		157.53	193.65		MICROVEINLETS AND BLEBS.																												
N F		157.53	193.65		4 HFLS			BL4 ML				1	2	5	2		N	BN	72				Q4		D(							1 5
L								3A								5									D*							1 4
R S		185.40	191.73		HORNBLENDE FELDSPAR PORPHYRY: MEDIUM GREY TO PURPLE.																												
R S		185.40	191.73		PORPHYRITIC, 30% PATCHY PINKISH AND GREY CALCIC ALTERATION AND																												
R S		185.40	191.73		20% BIOTITE ALTERATION AS PATCHES AND REPLACEMENT OF HORNBLENDE																												
R S		185.40	191.73		PHENOCRYSTS. 0.1% PYRITE BLEBS AND 0.3%-0.5% PYRRHOTITE.																												
N S		185.40	191.73		X PPHF			BL2 PP				3	5	3	5		N						Q3 Q2		B(							1 3
L								4A								3									B*							2 4
P		193.65	275.59		HFLS			BL3 BD				1	2	5	2		P	BN	53				Q3									1 5
L								2A								5								<+	D(							1 4

Chevron Minerals Ltd.
M579

DRILLHOLE/TRAVERSE : S88DH004 (CONTINUED)

K E Y	F L A G	FROM	TO	CORE RECOVERY (%)	% M I X	ROCK TYPE	TYPIFYING 1	TYPIFYING 2	QAL MIN MAT QM1	TEXTURES 1	TEXTURES 2	GRAIN CHARACS F	GRAIN CHARACS C	GRAIN CHARACS %	GRAIN CHARACS M	FRACTURE #	FRACTURE TK	STRUCTUR-1 T	STRUCTUR-1 ID	STRUCTUR-1 STK AZM	STRUCTUR-1 DIP RT	ALTERATION H A DI	ALTERATION H A VE	ALTERATION H A CY	ALTERATION H A C/	ALTERATION H A BI	MINS H ANY A MIN XX	ORE-TYPE H A PY	ORE-TYPE H A CP	ORE-TYPE H A LI	MINS H ANY A MIN YY	SUMMARY
K E Y	F L G			ROCK QUAL DESIG	FOR MEM AGE	EN V	RT Q	TM LC- COL	QM2 3	TX 3	TX 4	S O R	R N D	S H P	O / C	DIP SML	F I	T 2	ID	STK AZM	DIP RT	GA H A	WO H A	CL H A	EP H A	CA H A	HA H A	PR H A	AS H A	FS H A	HA H A	
R	P	193.65	275.59																													HORNFELS: THINLY BEDDED, DARK GREY HORNFELS (40%), GREY
R	P	193.65	275.59																													CALCAREOUS SILTSTONE/SILTY LIMESTONE (30%), PALE GREY
R	P	193.65	275.59																													CALC-HORNFELS (30%) AND RARE COARSE ASH TUFF (<30%). HORNFELS
R	P	193.65	275.59																													HAS UNDERGONE 30% PATCHY CALCIC ALTERATION, VERY WEAKLY
R	P	193.65	275.59																													MINERALIZED (TO 0.1% PYRRHOTITE).
R	F	193.65	275.59																													CALCAREOUS SILTSTONE: PALE GREY, MASSIVE CALCAREOUS SILTSTONE/
R	F	193.65	275.59																													SILTY LIMESTONE MEDIUM TO THICKLY BEDDED; 0.10-1.50M.
R	F	193.65	275.59																													RELATIVELY UNALTERED. SILTSTONE IS CUT BY NUMEROUS RANDOMLY
R	F	193.65	275.59																													ORIENTED CALCITE VINLETS. 0.1-0.2% PYRRHOTITE AS
R	F	193.65	275.59																													DISSEMINATIONS.
R	S	193.65	275.59																													CALC-HORNFELS: PALE GREY TO CREAMY PATCHES AND BANDS OF
R	S	193.65	275.59																													CALC-HORNFELS. IT FORMS ABOUT 30% OF THE INTERVAL.
N	F	193.65	275.59			CA	3 SILT		BL2 MX	2	3	5	3		N																1 3
L							6A								3											<=	D(					0
N	S	193.65	275.59			3	HFCA		BL7 BN ML	1	2	5	2		N	BN	65							P8							1 4
L							7A								4																2 8
R	T	210.40	211.54																													HORNBLENDE FELDSPAR PORPHYRY: DARK GREY-GREEN, PORPHYRITIC WITH
R	T	210.40	211.54																													0.3% PYRRHOTITE BLEBS. 0.8-1.0% PYRITE DISSEMINATIONS AND RARE
R	T	210.40	211.54																													ARSENOPYRITE (<0.03%). WEAKLY BIOTITE HORNFELSED (10-20%). THE
R	T	210.40	211.54																													HOST INTERBEDDED DARK GREY HORNFELS, CALC HORNFELS AND
R	T	210.40	211.54																													CALCAREOUS SILTSTONE AT BOTH LOWER AND UPPER CONTACTS WITH THE
R	T	210.40	211.54																													PORPHYRY DYKE/SILL. LOCALLY BRECCIATED, CUT BY RANDOM CALCITE
R	T	210.40	211.54																													VEINLETS AND MAY CONTAIN CHLORITIZED PORPHYRY XENOLITHS AT
R	T	210.40	211.54																													204.27-205.00, 207.92-210.40 AND 211.54-214.31M
N	T	210.40	211.54			X	PPHF		PP	3	5	2	5		N										Q1		D)				1 3
L							3G								3	LC	60		C+							B*	B-				1 5
R	T	269.58	273.53																													DARK GREY HORNFELS BRECCIA: EXTENSIVELY SHATTERED AND
R	T	269.58	273.53																													BRECCIATED. NUMEROUS CALCITE HEALED FRACTURES.
N	T	269.58	273.53			X	HFLS		BL3 BD ML	1	2	5	2		D	BN	53							Q3							1 8
L							2A								5											<+	D(					1 4
P		275.59	285.30				PPHF		BL4 PP ML	3	5	3	6		P									Q4	Q=		B*	D-				1 4
L							4A								4												B+					2 7
R	P	275.59	285.30																													HORNBLENDE FELDSPAR PORPHYRY DYKE/SILL: MEDIUM GREY TO MOTTLED
R	P	275.59	285.30																													PINK AND GREY WITH 40% PATCHY CALCIC ALTERATION WHICH IMPARTS
R	P	275.59	285.30																													BLOTCHY AND MOTTLED IMPRESSION TO THE HF PORPHYRY, TO 25%
R	P	275.59	285.30																													EUHEDRAL PLAGIOCASE WHICH IS LOCALLY BLEACHED AND ALTERED TO
R	P	275.59	285.30																													PINK AND 10-15% HORNBLENDE WHICH IS MORE TYPICALLY BIOTIZED,
R	P	275.59	285.30																													BIOTITE ALTERATION (5%) OCCURS IN FORM OF PHENOCRYSTS
R	P	275.59	285.30																													REPLACEMENT AND IRREGULAR PATCHES IN THE MATRIX. ABUNDANT
R	P	275.59	285.30																													SULPHIDES 2-3%. BLEBS AND MICROVEINLETS, PYRRHOTITE AND 0.3%
R	P	275.59	285.30																													PYRITE; 10% POORLY DEVELOPED IRREGULAR PINKISH-BROWN MASSES
R	P	275.59	285.30																													OF GARNET.
P		285.30	300.83				HFCA		BL8 BN ML	1	2	5	2		P	BN	68							P8							1 3

Chevron Minerals Ltd.
M579

DRILLHOLE/TRAVERSE : S88DH004 (CONTINUED)

K E Y	F L A G	- INTERVAL - (UNITS = MT) FROM	TO	CORE RECOV-ERY (%)	% M I X	ROCK TYPE	TYPI-FYING TM 1	TM 2	QAL MIN MAT	TEX-TURES TX 1	TX 2	GRAIN CHARACS F	F	C	% M C	P	#	TK	FRAC-TURE	STRUCTUR-1 T	ID 1	STK AZM	DIP RT	ALTERATION MINS H A DI	H A VE	H A CY	H A C/	H A BI	ANY MIN A XX	H A PY	H A CP	ANY MIN A LI	ANY MIN YY	SUMMARY
K E Y	F L G			ROCK QUAL DESIG	FOR MEM AGE	EN V	RT Q	LC-COL	TM 3	QM2 3	TX 3	TX 4	S O R D	R N P	S H C	O /	DIP SML	F I	T 2	ID	STK AZM	DIP RT	GA H	WO H	CL A	EP A	CA A	HA A	PR A	AS A	FS A	HA A		
L					8A							3																		B)				2 8
R	P	285.30	300.83	CALC-SILICATE HORNFELS: STRONGLY BLEACHED/ CALC HORNFELSED ZONE																														
R	P	285.30	300.83	AT THE LOWER CONTACT WITH HFP. 80% PERVASIVE CALCIC ALTERATION.																														
R	P	285.30	300.83	1-2% LAREG BLEBS AND FRACTURE FILLING OF PYRROHITE. CALC																														
R	P	285.30	300.83	HORNFELS IS INTERCALATED WITH 25-30% DARK GREY HORNFELS																														
R	F	285.30	300.83	HORNFELS: DARK GREY HORNFELS WITH 30% PALE GREY PATCHY CALCIC																														
R	F	285.30	300.83	ALTERATION . 0.3% PYRRHOTITE BLEBS.																														
N	F	285.30	300.83	3 HFLS				3L3	BN	2	3	5	2	N		BN		70		Q3												1 5
L					3A							5																		B*				1 3

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

DRILL HOLE S88DH004 WAS COLLARED ON THE LOST HORSE 86 CLAIM AND DRILLED TO A TOTAL DEPTH OF 300.83M ALONG AN AZIMUTH OF 77 DEG. AND A DIP OF -60 DEG. THE COLLAR IS LOCATED WEST OF COPPERFIELD CONGLOMERATE AND WAS DESIGNED TO INTERCEPT THE COPPERFIELD CONGLOMERATE AND AN AREA OF EXTENSIVE CALCIC ALTERATION ASSOCIATED WITH POTENTIAL "HEDLEY TYPE" GOLD SKARN MINERALIZATION. INTERBEDDED HORNFELSED PEBBLE CONGLOMERATE, CALC-HORNFELS AND MINOR TUFF WAS INTERSECTED FORM 3.05-14.02M. HEAVILY RUSTY STAINED FAULT ZONE CONSISTING OF INTERCALATED CALC-HORNFELS (90%) AND TUFF (10%) WAS ENCOUNTERED BETWEEN 14.02-21.94M. FAIRLY STRONGLY BLEACHED AND ALTERED ZONE OCCURS FROM 21.94-157.53M WHICH IS COMPRISED OF 50-70% PALE GREY AND PINK HORNFELS AND 30-50% PURPLE-BROWN BIOTITE HORNFELS WITH RARE NARROW INTERBEDS OF RELATIVELY UNALTERED IMPURE LIMESTONE, SILTSTONE AND FINE PEBBLE CONGLOMERATE. THIS INTERVAL HAS UNDERGONE UP TO 70% CALCIC ALTERATION. THE HORNFELSED SEQUENCE IS CUT BY HORNBLENDE-FELDSPAR PORPHYRY DYKE/SILL AT 125.16-128.50M. INTERBEDDED CALC-HORNFELS AND DARK GREY HORNFELS WITH 60% PATCY CALCIC ALTERATION WAS INTERSECTED AT 157.53-193.65. BELOW 193.65 INTENSITY OF CALCIC ALTERATION DIMINISHES. FROM 193.65-275.59 HORNFELS INTERBEDDED WITH CALCAREOUS SILTSTONE AND CALC-HORNFELS WERE ENCOUNTERED. PATCHY AND BANDED CALCIC ALTERATION FORMS UP TO 30% OF THIS INTERVAL. SULFIDE RICH HORNBLENDE-FELDSPAR PORPHYRY DYKE/SILL OCCURS AT 275.59-285.30M. SEDIMENTS AT THE LOWER CONTACT WITH THE ABOVE INTRUSIVE EXHIBIT STRONG CALCIC ALTERATION (70%) AND ENHANCED SULFIDE MINERALIZATION, 1-2% PYRRHOTITE (285.30-300.83M.). SULFIDE MINERALIZATION CONSISTS OF ON AVERAGE 0.5-1% PYRRHOTITE AND 0.1% PYRITE.

ASSAY FILE FTN - M579 - S88DH004
SAMPLE INTERVALS

LINE	FROM	TO	INTERVAL	SAMPLE
1	0.00	3.05	3.05	
2	3.05	5.49	2.44	359751
3	5.49	8.23	2.74	359752
4	8.23	10.23	2.00	359753
5	10.23	12.23	2.00	359754
6	12.23	14.02	1.79	359755
7	14.02	16.46	2.44	359756
8	16.46	19.20	2.74	359757
9	19.20	21.94	2.74	359758
10	21.94	23.77	1.83	359759
11	23.77	25.60	1.83	359760
12	25.60	27.61	2.01	359761
13	27.61	29.57	1.96	359762
14	29.57	31.57	2.00	359763
15	31.57	33.61	2.04	359764
16	33.61	35.61	2.00	359765
17	35.61	37.61	2.00	359766
18	37.61	38.71	1.10	359767
19	38.71	40.71	2.00	359768
20	40.71	42.71	2.00	359769
21	42.71	44.81	2.10	359770
22	44.81	46.81	2.00	359771
23	46.81	49.14	2.33	359772
24	49.14	50.90	1.76	359773
25	50.90	52.20	1.30	359774
26	52.20	53.87	1.67	359775
27	53.87	55.70	1.83	359776
28	55.70	57.50	1.80	359777
29	57.50	59.20	1.70	359778
30	59.20	60.38	1.18	359779
31	60.38	62.38	2.00	359780
32	62.38	64.29	1.91	359781
33	64.29	65.50	1.21	359782
34	65.50	66.56	1.06	359783
35	66.56	67.72	1.16	359784
36	67.72	69.79	2.07	359785
37	69.79	72.23	2.44	359786
38	72.23	74.23	2.00	359787
39	74.23	76.39	2.16	359788
40	76.39	78.33	1.94	359789
41	78.33	80.33	2.00	359790
42	80.33	82.33	2.00	359791
43	82.33	84.43	2.10	359792
44	84.43	86.48	2.05	359793
45	86.48	88.48	2.00	359794
46	88.48	90.53	2.05	359795
47	90.53	92.53	2.00	359796
48	92.53	95.25	2.72	359797
49	95.25	97.67	2.42	359798
50	97.67	99.67	2.00	359799
51	99.67	101.67	2.00	359800
52	101.67	103.67	2.00	359801
53	103.67	105.67	2.00	359802
54	105.67	106.94	1.27	359803

ASSAY FILE FTN - M579 - S88DH004
SAMPLE INTERVALS

LINE	FROM	TO	INTERVAL	SAMPLE
55	106.94	109.79	2.85	359804
56	109.79	113.26	3.47	359805
57	113.26	115.89	2.63	359806
58	115.89	117.89	2.00	359807
59	117.89	119.80	1.91	359808
60	119.80	121.22	1.42	359809
61	121.22	123.75	2.53	359810
62	123.75	125.16	1.41	359811
63	125.16	128.50	3.34	359812
64	128.50	130.26	1.76	359814
65	130.26	132.00	1.74	359815
66	132.00	134.00	2.00	359816
67	134.00	135.94	1.94	359817
68	135.94	138.29	2.35	359818
69	138.29	140.98	2.69	359819
70	140.98	142.98	2.00	359820
71	142.98	145.15	2.17	359821
72	145.15	147.03	1.88	359822
73	147.03	149.03	2.00	359823
74	149.03	151.48	2.45	359824
75	151.48	153.48	2.00	359825
76	153.48	155.53	2.05	359826
77	155.53	157.53	2.00	359827
78	157.53	159.53	2.00	359828
79	159.53	161.53	2.00	359829
80	161.53	164.68	3.15	359830
81	164.68	166.68	2.00	359831
82	166.68	170.73	4.05	359832
83	170.73	172.82	2.09	359833
84	172.82	174.82	2.00	359834
85	174.82	176.82	2.00	359835
86	176.82	178.82	2.00	359836
87	178.82	180.82	2.00	359837
88	180.82	183.40	2.58	359838
89	183.40	185.40	2.00	359839
90	185.40	187.40	2.00	359840
91	187.40	189.40	2.00	359841
92	189.40	191.73	2.33	359842
93	191.73	193.65	1.92	359843
94	193.65	195.73	2.08	359844
95	195.73	197.73	2.00	359845
96	197.73	199.94	2.21	359846
97	199.94	201.94	2.00	359847
98	201.94	203.92	1.98	359848
99	203.92	205.92	2.00	359849
100	205.92	207.92	2.00	359850
101	207.92	210.40	2.48	359851
102	210.40	212.40	2.00	359852
103	212.40	214.31	1.91	359853
104	214.31	216.31	2.00	359854
105	216.31	218.31	2.00	359855
106	218.31	219.81	1.50	359856
107	219.81	221.58	1.77	359857
108	221.58	223.58	2.00	359858

ASSAY FILE FTN - M579 - S88DH004
SAMPLE INTERVALS

LINE	FROM	TO	INTERVAL	SAMPLE
109	223.58	225.68	2.10	359859
110	225.68	227.68	2.00	359860
111	227.68	229.68	2.00	359861
112	229.68	231.68	2.00	359862
113	231.68	233.68	2.00	359863
114	233.68	235.78	2.10	359864
115	235.78	237.82	2.04	359865
116	237.82	239.82	2.00	359866
117	239.82	241.82	2.00	359867
118	241.82	243.93	2.11	359868
119	243.93	245.93	2.00	359869
120	245.93	247.93	2.00	359870
121	247.93	249.93	2.00	359871
122	249.93	252.07	2.14	359872
123	252.07	254.07	2.00	359873
124	254.07	256.07	2.00	359874
125	256.07	258.07	2.00	359875
126	258.07	260.21	2.14	359876
127	260.21	262.22	2.01	359877
128	262.22	264.22	2.00	359878
129	264.22	266.22	2.00	359879
130	266.22	269.50	3.28	359880
131	269.50	271.16	1.66	359881
132	271.16	273.53	2.37	359882
133	273.53	275.59	2.06	359883
134	275.59	277.59	2.00	359884
135	277.59	279.59	2.00	359885
136	279.59	281.55	1.96	359886
137	281.55	283.55	2.00	359887
138	283.55	285.30	1.75	359888
139	285.30	287.30	2.00	359889
140	287.30	289.30	2.00	359890
141	289.30	291.69	2.39	359891
142	291.69	293.69	2.00	359892
143	293.69	295.69	2.00	359893
144	295.69	297.69	2.00	359894
145	297.69	300.83	3.14	359895

ASSAY FILE SLG - M579 - S88DH004
SLUDGE SAMPLES

LINE	FROM	TO	INTERVAL	SAMPLE	AUPPB
1	0.00	3.48	3.48	400001	5
2	3.48	5.49	2.01	400001	5
3	5.49	8.22	2.73	400002	5
4	8.22	11.28	3.06	400003	5
5	11.28	14.33	3.05	400004	5
6	14.33	17.37	3.04	400005	15
7	17.37	32.61	15.24		
8	32.61	35.66	3.05	400006	5
9	35.66	87.48	51.82		
10	87.48	89.22	1.74	400007	5
11	89.22	300.83	211.61		

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M579

DRILLHOLE/TRAVERSE : S88DH008

PROJECT IDEN : M579 | START DATE : 88/10/14 | COMPLETION DATE : 88/10/16 | GEOLOGGED BY : DDD + JAB
COLLAR NORTHING: -3652.00 | COLLAR EASTING : -113.00 | COLLAR ELEVATION: 1686.00 | GRID AZIMUTH : 0.00
TOTAL LENGTH : 88.39 | CORE/HOLE SIZE : NQ

SURVEY FLAG	SURVEY POINT LOCATION	FORESIGHT	AZIMUTH (DEGREES)	VERTICAL ANGLE (DEGREES)	NORTHING	EASTING
000	0.00		55.00	-50.00		
001	88.39		55.00	-50.00		

KEY	FROM	TO	CORE RECOVERY (%)	%M ROCK TYPE	TYPIFYING MINERALS	QAL TEXTURES	GRAIN CHARACS	FRACTURE	STRUCTURE-1	ALTERATION MINS	ORE-TYPE MINS	SUMMARY
P	0.00	4.26			TRIC			P				
R P	0.00	4.26	TRICONED INTERVAL: CASING/OVERBURDEN.									
P	4.26	13.90			HFCA	BL8 ML BR	1 2 5 2	P	Q8			1 5
L					7A		5			B(		2 7
R P	4.26	13.90	CALC-HORNFELS: MOTTLED PALE GREY, GREEN AND PINK. 80% CALCIC									
R P	4.26	13.90	ALTERATION AS ENVELOPES SURROUNDING RANDOM MICROFRACTURES AND									
R P	4.26	13.90	IRREGULAR PATCHES. 10-20% DARK GREY, UNBLEACHED HORNFELS OCCUR									
R P	4.26	13.90	AS BRECCIATED ZONES WITHIN CALC-HORNFELS.									
P	13.90	20.36			PPHF	BL1 PP	3 5 1 5	P	Q1 H2		E=	1 3
L					4A		3			B)		2 5
R P	13.90	20.36	HORNBLENDE FELDSPAR PORPHYRY DYKE/SILL: MEDIUM GREY,									
R P	13.90	20.36	PORPHYDITIC CONSISTING OF CREAMY PLAGIOCLASE AND GREENISH BROWN									
R P	13.90	20.36	HORNBLENDE PHENOCRYSTS PARTLY ALTERED TO BIOTITE. SULFIDE RICH									
R P	13.90	20.36	(2%) PYRRHOTITE APPEARS AS BLEBS AND MICROFRACTURE FILLINGS.									
P	20.36	80.98			HFCA	BL8 ML BR	1 2 5 2	P	Q7			1 7
L					7A		7		<1	B*		2 7
R P	20.36	80.98	CALC-HORNFELS: MOTTLED PALE GREY, GREEN AND PINK. STRONGLY									
R P	20.36	80.98	BLEACHED WITH ABOUT 20% REMNANT UNBLEACHED DARK GREY PATCHES OF									
R P	20.36	80.98	HORNFELS. 70% PATCHY CALCIC ALTERATION. 0.3-0.5% PYRRHOTITE									
R P	20.36	80.98	BLEBS. CALC-HORNFELS IS INTERBEDDED WITH 20% IMPURE LIMESTONE									
R P	20.36	80.98	AND LESSER CALCAREOUS SILTSTONE.									
R F	20.36	80.98	LIMESTONE: PALE GREY COARSE CRYSTALLINE IMPURE LIMESTONE AND									
R F	20.36	80.98	LESSER MEDIUM GREY CALCAREOUS SILTSTONE. VERY WEAKLY ALTERED									
R F	20.36	80.98	AND MINERALIZED. 0.1% PYRRHOTITE DISSEMINATION.									
R F	20.36	80.98	LIMESTONE/SILTSTONE IS GENERALLY MEDIUM THINLY BEDDED, AVERAGE									
R F	20.36	80.98	THICKNESS OF 10-50CM.									
N F	20.36	80.98		2 LMST		MX	3 4 3 5	N				1 4
L					7A		4			D(		1 5
R S	22.36	24.38	HORNBLENDE FELDSPAR PORPHYRY DYKE/SILL: WITH 20% PATCHY CALCIC									
R S	22.36	24.38	ALTERATION SURROUNDING MICROFRACTURES. 20% BIOTITE ALTERATION									

KEY	FROM	TO	CORE QUALITY DESIG	FORMATION	ENVIRONMENT	ROCK QUALITY	LITHOLOGY	TM QM2 TX TX 3 3 4	STRUCTURE	DIP	FABRIC	STRUCTURE-2	ALTERATION MINS	ORE-TYPE MINS
K E Y	F L A G		ROCK QUAL DESIG	FOR MEM AGE	EN V	RT Q	LC- COL		S O N R D	H / P C	DIP SML	F I	T ID 2 STRUCTUR-2	H H H H H H H H A A A A A A A A

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M579

DRILLHOLE/TRAVERSE : S88DH008 (CONTINUED)

K E Y	F L A G	- INTERVAL - FROM	TO (UNITS = MT)	CORE RECOVERY (%)	% M I X	ROCK TYPE	TYPIFYING TM 1	TM 2	QAL MIN MAT QM1	TEXTURES TX 1	TX 2	GRAIN CHARACS F	C	% M	FRACTURE P	# TK	STRUCTUR-1 T	ID	STK AZM	DIP RT	ALTERATION MINS H A DI	H A VE	H A CY	H A C/	H A BI	ANY MIN A XX	ORE-TYPE MINS H A PY	H A CP	ANY MIN A LI	A YY	SUMMARY
K E Y	F L G			ROCK QUAL DESIG	FOR MEM AGE	EN V	RT Q	LC- COL	TM 3	QM2	TX 3	TX 4	S O N R	R H D	S / P	O DIP C	F SML	I	T 2	ID STRUCTUR-2	STK AZM	DIP RT	GA H A	WO H A	CL H A	EP H A	CA H A	HA H A	PR H A	AS H A	FS H A	HA H A
R	S	22.36	24.38																											WHICH OCCURS DOMINANTLY AS REPLACEMENT OF HORNBLENDE
R	S	22.36	24.38																											PHENOCRYSTS.
N	S	22.36	24.38		X	PPHF			BL2	PP		3	5	2	5	N							Q2	H2		(*		E1		1 5
L							4U								5												B)			2 5
R	S	24.38	32.15																											CALC-HORNFELS: STRONGLY BLEACHED ZONE AT THE CONTACTS OF TWO
R	S	24.38	32.15																											HFP DYKES/SILLS. UP TO 5% POORLY FORMED PINK GARNETS. ENHANCED
R	S	24.38	32.15																											SULFIDE MINERALIZATION. 1-2% PYRRHOTITE BLEBS AND
R	S	24.38	32.15																											DISSEMINATIONS.
N	S	24.38	32.15		X	HFCA			BL8	ML	BR	1	2	5	2	D							Q7					E1		1 5
L							7A								5								Q=	(1			B)			2 7
R	S	32.15	32.81																											HORNBLENDE-FELDSPAR PORPHYRY: MEDIUM GREY WITH 30% PATCHY
R	S	32.15	32.81																											CALCIC ALTERATION. EXTENSIVELY RUSTY ALONG FRACTURE SURFACES.
R	S	32.15	32.81																											1% FINELY DISSEMINATED SULFIDES. FROM 32.81-35.22M IS STRONGLY
R	S	32.15	32.81																											ALTERED AND BRECCIATED, BETWEEN THE TWO INTRUSIVES.
R	S	32.15	32.81																											CALC-HORNFELS WITH UP TO 1% FINELY DISSEMINATED SULFIDE.
N	S	32.15	32.81		X	PPHF			BL3	PP	BR	2	5	2	5	N							Q3					E1		1 7
L							5A								7													D)		2 6
R	S	35.22	40.75																											FELDSPAR PORPHYRY: MEDIUM GREY-GREEN PORPHYRITIC WITH 30%
R	S	35.22	40.75																											SUBHEDRAL CREAMY PLAGIOCLASE PHENOCRYSTS. 25-30% CALCIC
R	S	35.22	40.75																											ALTERATION WHICH LOCALLY IMPARTS MOTTLED IMPRESSION TO FELSPAR
R	S	35.22	40.75																											PORPHYRY. 0.3-0.5% PYRRHOTITE DISSEMINATIONS.
N	S	35.22	40.75		X	PPFX				PP	ML	3	5	3	5	N							Q3					E=		1 5
L							5A								5												D*			2 5
P		80.98	88.39			HFLS			BL4	BN	ML	1	2	5	2	P							Q3							1 5
L							2A			FR					5												B*			1 4
R	P	80.98	88.39																											HORNFELS: DARK GREY, BANDED TO FRAGMENTAL, 30-40% PATCHY CALCIC
R	P	80.98	88.39																											ALTERATION. 0.3% PYRRHOTITE BLEBS.
R	F	80.98	88.39																											CALC-HORNFELS: LIGHT GREY AND PINK BLEACHED PATCHES IN DARK
R	F	80.98	88.39																											GREY HORNFELS, ON AVERAGE IT FORMS 30% OF THE INTERVAL, LOCALLY
R	F	80.98	88.39																											TO 50%. 1% PYRRHOTITE BLEBS
N	F	80.98	88.39		3	HFCA			BL8	ML		1	2	5	2	N														1 5
L							7A								5												B)			2 7

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

DRILL HOLE S88DH008 WAS COLLARED ON THE LOST HORSE 86 CLAIMS AND WAS DRILLED AT AN AZIMUTH OF 55 DEG. AND A DIP OF -50 DEG. TO A TOTAL DEPTH OF 88.39M. THIS HOLE WAS INTENDED TO INTERCEPT THE SIGNIFICANT MINERALIZATION ASSOCIATED WITH MARGINS OF THE SULFIDE RICH HORNBLENDE FELDSPAR PORPHYRY DYKE IN TRENCH 1 AT DEPTH.
STRONGLY BLEACHED ZONE OF CALC-SILICATE HORNFELS WAS INTERSECTED AT THE TOP OF THE HOLE FROM 4.26-13.90M. IT IS

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M579

DRILLHOLE/TRAVERSE : S88DH008 (CONTINUED)

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

WEAKLY MINERALIZED WITH UP TO 0.2% PYRRHOTITE. HORNBLENDE-FELDSPAR PORPHYRY DYKE/SILL WITH UP TO 2% PYRRHOTITE WAS ENCOUNTERED AT 13.96-20.36M. INTERBEDDED CALC-HORNFELS (80%) AND LIMESTONE (20%) WAS INTERSECTED AT 20.36-80.83M. THIS INTERVAL IS CUT BY THREE HORNFELSED HORNBLENDE-FELDSPAR PORPHYRY DYKES/SILLS; 22.36-24.38M, 32.15-32.81M AND 35.22-40.75M. HOST SEDIMENTS AT THE CONTACT OF THE ABOVE DYKES/SILLS ARE EXTENSIVELY BLEACHED AND ALTERED TO CALC-HORNFELS WITH 1-2% PYRRHOTITE. DARK GREY HORNFELS (70%) WITH WEAK PATCHY PATCHY CALCIC ALTERATION (30%) WAS INTERSECTED AT 80.83-88.39M.

 DATE: 13/NOV/88

ASSAY FILE FTN - M579 - S88DH008
SAMPLE INTERVALS

LINE	FROM	TO	INTERVAL	SAMPLE
1	0.00	9.45	9.45	
2	9.45	11.67	2.22	359581
3	11.67	13.90	2.23	359582
4	13.90	16.05	2.15	359583
5	16.05	18.07	2.02	359584
6	18.07	20.36	2.29	359585
7	20.36	22.36	2.00	359586
8	22.36	24.38	2.02	359587
9	24.38	26.38	2.00	359588
10	26.38	30.31	3.93	
11	30.31	32.15	1.84	359589
12	32.15	32.81	0.66	359590
13	32.81	35.22	2.41	359591
14	35.22	37.22	2.00	359592
15	37.22	38.71	1.49	359593
16	38.71	40.75	2.04	359594
17	40.75	42.75	2.00	359595
18	42.75	44.81	2.06	359596
19	44.81	46.85	2.04	359597
20	46.85	50.90	4.05	
21	50.90	52.90	2.00	359598
22	52.90	54.90	2.00	359599
23	54.90	57.00	2.10	359600
24	57.00	61.00	4.00	
25	61.00	63.09	2.09	359918
26	63.09	65.09	2.00	359919
27	65.09	69.83	4.74	
28	69.83	71.83	2.00	359920
29	71.83	73.83	2.00	359921
30	73.83	78.83	5.00	
31	78.83	80.98	2.15	359922

ASSAY FILE SLG - M579 - S88DH008
SLUDGE SAMPLES

LINE	FROM	TO	INTERVAL	SAMPLE	AUPPB
1	0.00	14.32	14.32	400044	25
2	14.32	17.37	3.05	400045	5
3	17.37	20.42	3.05	400046	5
4	20.42	23.47	3.05	400047	40
5	23.47	26.52	3.05	400048	15
6	26.52	29.56	3.04	400049	5
7	29.56	32.61	3.05	400050	5
8	32.61	35.66	3.05	400051	30
9	35.66	38.71	3.05	400052	15
10	38.71	41.75	3.04	400053	50
11	41.75	44.81	3.06	400054	45
12	44.81	47.85	3.04	400055	5
13	47.85	50.90	3.05	400056	15
14	50.90	53.94	3.04	400057	25
15	53.94	57.00	3.06	400058	20
16	57.00	60.04	3.04	400059	5
17	60.04	63.09	3.05	400060	20
18	63.09	66.14	3.05	400061	15
19	66.14	69.19	3.05	400062	10
20	69.19	72.23	3.04	400063	5
21	72.23	75.28	3.05	400064	15
22	75.28	78.33	3.05	400065	10
23	78.33	81.38	3.05	400066	5
24	81.38	84.43	3.05	400067	25
25	84.43	87.48	3.05	400068	75
26	87.48	88.39	0.91		

APPENDIX VIII

HANDSPECIMEN DESCRIPTIONS

ROCK CHIP SAMPLING - SAMPLE DESCRIPTIONS

TRENCH 1

Sample No.	Width(m)	Description
DD8-S-1	0.40	Purple to grey-green calc-silicate hornfels, rusty weathering surface, 0.3% pyrrhotite blebs
DD8-S-2	0.70	Purple to grey-green calc-hornfels, to 75% patchy calcic alteration, 0.3% pyrite as disseminations and fracture fillings, 0.5% pyrrhotite blebs
DD8-S-3	0.80	Purple to grey-green calc-hornfels interbedded with bleached and hornfelsed ash tuff, 0.1% pyrrhotite blebs
DD8-S-4	0.70	Tuff, to 30% patches and bands of purple biotite hornfels, 1% disseminated pyrite
DD8-S-5	0.80	Calc-hornfels, mottled purple and grey-green, to 75% patchy calcic alteration, 0.5% disseminated and fracture-controlled pyrite, 0.5% pyrrhotite blebs, trace to 0.1% arsenopyrite
DD8-S-6	2.00	Same as DD8-S-5
DD8-S-7	2.00	Same as DD8-S-5
DD8-S-8	1.00	Same as DD8-S-5
DD8-S-9	1.10	Purple to grey-green calc-hornfels, pervasive calcic alteration, 0.3% pyrrhotite blebs
DD8-S-10	0.90	Same as DD8-S-9
DD8-S-11	3.50	Hornblende diorite dyke, dark green, weakly porphyritic, 2-3% pyrrhotite stringers, blebs and disseminations, weakly magnetic
DD8-S-12	1.00	Same as DD8-S-11
DD8-S-13	0.85	Calc-hornfels, pale purple to grey-green, 60% patchy calcic alteration, 0.3-0.5% pyrrhotite blebs, 1% wollastonite rosettes
DD8-S-14	1.00	Same as DD8-S-13
DD8-S-15	1.40	Tuff, dark grey-green, relatively unaltered to weakly hornfelsed

TRENCH 1 continued

Sample No.	Width(m)	Description
DD8-S-16	1.30	Purple to grey-green calc-hornfels, patchy calcic alteration (to 70%), 0.5% pyrite as disseminations and 0.5% pyrrhotite blebs
DD8-S-17	1.20	Tuff, bleached to pale grey, massive, pervasive calcic alteration, 1-2% disseminated pyrite
DD8-S-18	1.60	Same as DD8-S-17
DD8-S-19	1.20	Pebble conglomerate, mottled pink to grey-green, 70% patchy calcic alteration, 0.3-0.5% disseminated and blebs of pyrrhotite
DD8-S-20	0.90	Pebble conglomerate, same as DD8-S-19
DD8-S-21	1.00	Pebble conglomerate, mottled pink to grey-green, 70% patchy calcic alteration, 0.3% pyrrhotite disseminations
DD8-S-22	1.40	Same as DD8-S-21
DD8-S-23	2.80	Same as DD8-S-21
DD8-S-24	1.20	Tuff, dark green to pale grey, partly bleached and hornfelsed, intensely rusty stained
DD8-S-25	0.80	Pale grey to green tuff, 50% patchy calcic alteration, 0.5-1% disseminated pyrite, Fe-stained weathering surface
DD8-S-27	1.20	Tuff/siltstone (?), pale grey, purple and green, 70% patchy to locally pervasive alteration, 0.3% disseminated pyrite
DD8-S-28	0.80	Fine pebble conglomerate, mottled pink and green, pervasive calcic alteration, 2-3% diopside blebs, trace pyrite disseminations
DD8-S-29	0.60	Tuff/siltstone (?) pale grey-green, pervasive calcic alteration
DD8-S-30	1.00	Tuff/siltstone (?) grey-green to locally purple, weakly hornfelsed, 0.5% disseminated pyrite, Fe-stained
DD8-S-31	0.60	Siltstone with 20% pebbles, mottled purple to grey-green, 30-40% patchy calcic alteration, 0.5% disseminated pyrite
DD8-S-32	1.00	Same as DD8-S-30

TRENCH 1 continued

Sample No.	Width(m)	Description
DD8-S-33	1.00	Tuff/siltstone (?), mottled purple and green, 40% calcic alteration 0.1% disseminated pyrite and 0.1% pyrrhotite blebs
DD8-S-34	0.75	Same as DD8-S-33
DD8-S-35	0.85	Tuff/siltstone (?), purple to green, 30% purple biotite hornfels bands and patches, 0.5% disseminated pyrite
DD8-S-36	1.20	Calc-silicate hornfels, dominantly pale grey, 70% patchy calcic alteration, trace to 0.1% pyrite and trace pyrrhotite
DD8-S-37	1.20	Tuff, pale grey, strongly bleached, pervasive calcic alteration
DD8-S-38	0.65	Calc-silicate hornfels, pale grey to medium grey and purple, mottled, to 80% patchy calcic alteration
DD8-S-39	1.20	Same as DD8-S-38
DD8-S-40	0.65	Pale grey to purple calc-hornfels, pervasive calcic alteration, 0.1% pyrite disseminations
DD8-S-41	1.10	Same as DD8-S-40
DD8-S-42	0.90	Same as DD8-S-40
DD8-S-43	0.70	Calc-hornfels, pale purple to green, 80% patchy calcic alteration
DD8-S-44	1.00	Calc-hornfels interbedded with creamy marble, trace arsenopyrite and pyrite
DD8-S-45	1.30	Pale grey calc-hornfels, pervasive calcic alteration
DD8-S-46	1.30	Calc-hornfels intercalated with creamy marble
DD8-S-47	0.55	Calc-hornfels, light purple to green, pervasive calcic alteration, trace pyrite as fracture fillings
DD8-S-48	0.60	Same as DD8-S-47
DD8-S-49	1.25	Same as DD8-S-47
DD8-S-50	1.10	Pale grey-green to purple calc-silicate hornfels interbedded with minor creamy coarse crystalline marble, 0.3% pyrrhotite as blebs and fracture fillings

TRENCH 1 continued

Sample No.	Width(m)	Description
DD8-S-51	1.60	Same as DD8-S-50
DD8-S-52	1.20	Pale grey calc-hornfels
DD8-S-53	1.35	Pale grey to green calc-hornfels, strongly rusty-stained weathering surface
DD8-S-54	1.15	Pale grey-green calc-silicate hornfels, pervasive calcic alteration
DD8-S-55	1.60	Calc-silicate hornfels, mottled purple and green, 80% pervasive calcic alteration, 0.3% disseminated and fracture controlled pyrite, 0.3% pyrrhotite blebs
DD8-S-56	1.50	Same as DD8-S-55
DD8-S-57	1.50	Calc-silicate hornfels, mottled light purple and green, pervasive calcic alteration, trace pyrite disseminations
DD8-S-58	1.00	Same as DD8-S-57
DD8-S-59	1.50	Calc-hornfels, grey-green, 70% patchy calcic alteration, trace disseminated pyrite
DD8-S-60	1.40	Calc-hornfels, same as DD8-S-59
DD8-S-61	1.20	Calc-hornfels, mottled purple and green, pervasive calcic alteration, 0.3% disseminated pyrite
DD8-S-62	1.70	Hornblende porphyritic dyke?, bleached pale grey, aphanitic siliceous matrix, 20% dark hornblende laths, 1% pyrite blebs, disseminations and fracture fillings, 0.5% pyrrhotite blebs
DD8-S-63	1.30	Calc-hornfels, 50% patchy calcic alteration, trace pyrite
DD8-S-64	1.10	Calc-hornfels with 30% xenoliths of diorite dyke, 0.1% pyrite disseminations
DD8-S-65	0.70	Light grey to purple calc-hornfels, pervasive calcic alteration
DD8-S-66	1.15	Calc-silicate hornfels, grey-green to purple, rusty brown weathering surface, 0.5% disseminated pyrite

TRENCH 1 continued

Sample No.	Width(m)	Description
DD8-S-67	1.00	Calc-hornfels, pale grey to medium grey-green and purple, 70% patchy calcic alteration
DD8-S-68	0.70	Pale grey calc-hornfels, pervasive calcic alteration
DD8-S-69	1.60	Same as DD8-S-68
DD8-S-70	1.40	Calc-hornfels, mottled green and purple, 0.5% disseminated pyrite
DD8-S-71	1.50	Calc-hornfels, mottled green and purple, pervasive calcic alteration
DD8-S-72	1.50	Same as DD8-S-71