WATSON PROJECT M584
GEOLOGICAL AND DIAMOND DRILLING REPORT
WARREN OPTION

T.E. LISLE and S.G. McALLISTER
Chevron Minerals Ltd.

DECEMBER 1988
Volume 1 of 2

GEOLOGICAL, GEOPHYSICAL, TRENCHING AND DIAMOND DRILLING REPORT

ON THE

WATSON PROJECT
(M584)
WARREN OPTION

CLINTON MINING DIVISION

LATITUDE 51° 07'
LONGITUDE 122° 15'
NTS 920/1

OWNER: CHEVRON MINERALS LTD.

OPERATOR: CHEVRON MINERALS LTD.

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DECEMBER 16, 1988

CONTENTS

APPENDICES

LIST OF FIGURES

1.0 SUMMARY

Chevron Minerals Ltd. carried out a program of geological, geochemical and geophysical surveys followed by trenching and drilling between July 5, 1988 and October 23, 1988. The program was part of a continuing re-evaluation of the upper Stirrup Creek area located in the Clinton Mining Division. The upper part of Stirrup Creek has produced several thousand ounces of placer gold since about 1915.

The claim area is near the eastern margin of the early Cretaceous Jackass Mountain Group. Sedimentary rocks of this group have been intruded by sills and dykes of felsic porphyry and granodiorite of probable Tertiary age. The assemblage trends north to northeast and commonly dips from 10° to 50° west to northwest.

Preliminary exploration indicates that bedrock gold at Stirrup Creek occurs in two and possibly three related environments:

1) Gold occurs most commonly in a number of veins, lenses or vein replacements within the stratigraphic trend along the ridge crest on the Warren claims, and to a lesser extent on the Brent claims. The gold is associated with arsenopyrite, minor quartz, and in surface exposures with stibnite. The gold content ranges to a few hundred ppb, but locally exceeds 1,000 ppb and in some places may be significantly higher. Arsenic and in near surface zones, antimony, are measured in the thousands of ppm. Elevated levels of copper, lead, zinc, silver and rarely cobalt may also be present.

2) Gold also occurs in narrow, widespaced (?) northerly to north-northeasterly trending, steeply dipping fracture zones locally accompanied by quartz, pyrite and arsenopyrite. On surface these zones may be marked by hematitic gouge and in some areas show an association with high zinc assays. The highest gold assay from the property was returned from a grab sample of a conspicuous limonitic fracture in a surface trench and yielded 5.472 opt gold. An intercept near the bottom of drill hole 88-5, possibly related to the surface fracture, assayed 14.99 g/tonne over 1.10 metres, and also revealed a native gold component. With one exception, these fractures have been found only on the ridge and are commonly present in areas of type 1 gold.

3) Gold-arsenic mineralization with comparable grades to type 1 mineralization is suspected to occur in an easterly trending fault zone on the north flank of the ridge saddle. The zone has been encountered in a surface trench, and two drill holes, and contains significant amounts of grey chalcedonic quartz.

With minor exception, most of the gold mineralization has been located along the ridge crest. The gold is spatially related to the felsic intrusions, however a relationship to a common source or structure is not yet evident.

The above zones are marked by strong soil geochemical responses for gold, arsenic and antimony. Anomalous responses for these elements on the lower north shore of Stirrup Creek are considered related to dispersion from a southerly moving ice mass. This movement is also likely responsible for

erosion of gold structures along the ridge and deposition of some of the placer gold in Stirrup Creek.

A comparable range of geochemical data was obtained from work on the Brent claim area to the northwest. Outcrop exposure in that area however is very limited.

The VLF EM-16 geophysical survey revealed a number of fault structures on the Warren property that were trenched, sampled and yielded only low concentrations of gold. A strong VLF anomaly along the ridge crest of this property may mirror the topography of the ridge, however it should be noted that it also embraces most of the gold-arsenic occurrences on the property.

The drilling program produced a number of significant gold intercepts that in part are thought to be related to the north to north-northeast trending fracture zones. In a number of zones there is considerable doubt as to the relationship between the mineralized intercepts and host structures or type occurrence.

The results of the exploration work are sufficiently encouraging to warrant additional drilling and evaluation of gold occurrences along the Warren ridge. Anomalous geochemical results on the Brent property to the northwest should also be evaluated by road or trench cuts.

2.0 RECOMMENDATIONS

1) Because of claim fractions and other alienated claims close to the drill targets, a transit survey of the claims should be completed.

2) An orthophoto contour map of the ridge area of the Warren property should be prepared to accurately compile technical data.

3) If possible, drill hole 87-3 should be deepened by about 50 metres to examine the upper trace of the high-grade intercept indicated at 189.70 metres in drill hole 88-5.

4) Two drill holes, approximately 250 metres in length, and approximately parallel to holes 87-3 and 88-5 should be completed to examine the trace of the high-grade intercept in hole 88-5. The holes should be located about 50 metres to the north, and 50 metres to the south of the 88-5 hole collar. Depending on the results of 3) above, these holes could be stepped back to cut near-surface mineralized zones at a deeper point.

5) A third hole of approximately 250 metres in length should be collared about the same location as hole 88-6 and drilled northwest to examine the projected trace of the mineralized fault zone in Placer Trench West, and in holes 87-2 and 88-6.

6) A fourth hole of approximately 250 metres in length should be drilled in the area of the monument to examine at depth a number of quartz-stibnite-arsenopyrite veins with anomalous concentrations of gold. The hole should be drilled south-southeast across the trend to cut the trace of northerly structures.

7) Similarities in the range of geochemical results between the Warren and Brent property and a siliceous stringer zone on the Brent requires that further investigations be completed in this area. A continuation of the access road through the areas of interest would be the most efficient method of initially evaluating the potential of this area.

3.0 INTRODUCTION

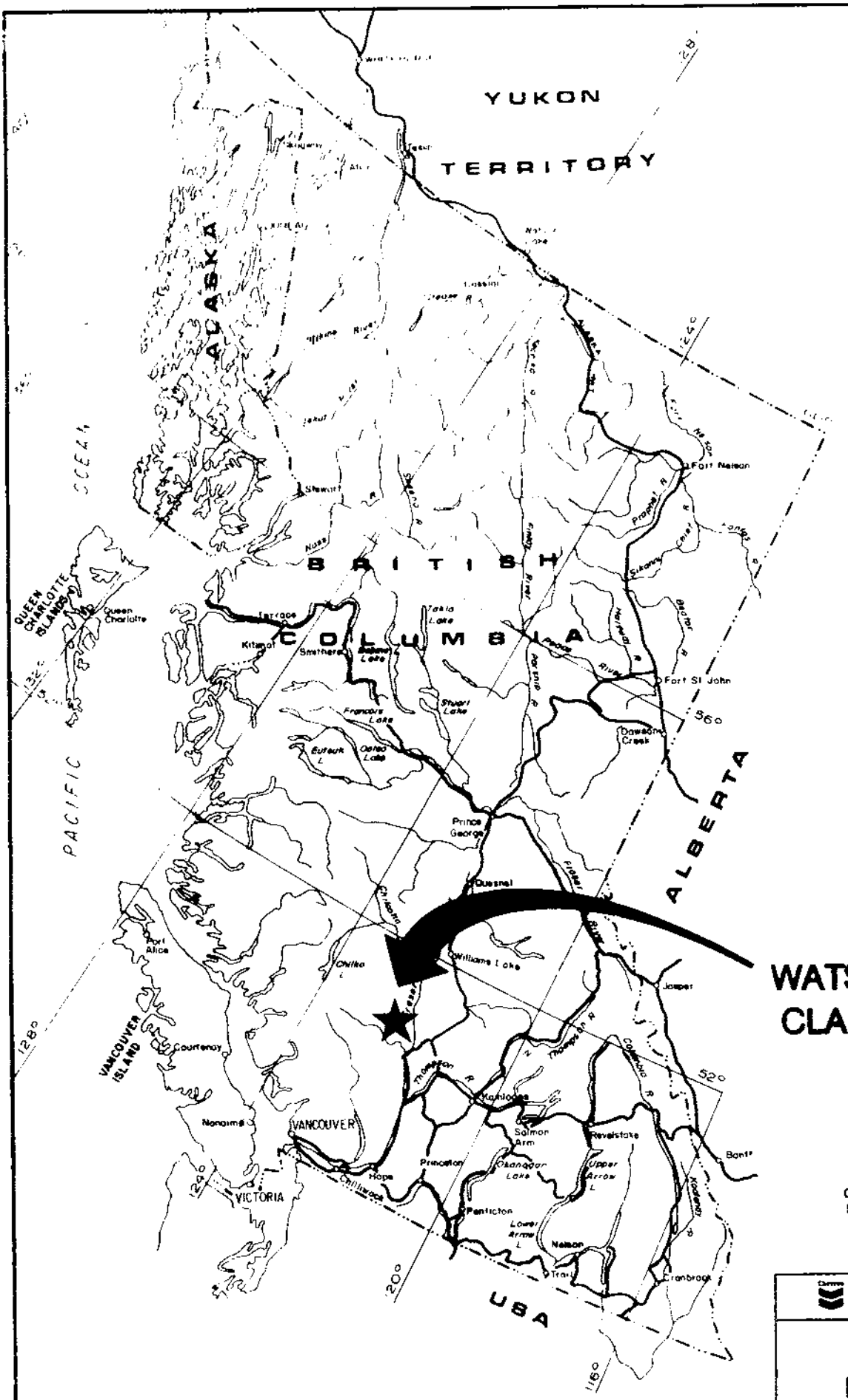
Chevron Minerals Ltd. carried out a program of geological, geochemical and geophysical surveys that was followed up by trenching and drilling between July 5, 1988 and October 23, 1988. The program was part of a continuing re-evaluation of the upper Stirrup Creek area that has produced several thousand ounces of placer gold.

The data resulting from this program is discussed herein and is compiled onto the accompanying maps.

4.0 LOCATION AND ACCESS

The Warren crown granted claims are about 95 road kilometres west of the village of Clinton, B.C. on the Cariboo Highway in south central British Columbia (Figure 1). The claims are centred approximately around latitude 51° 07' and longitude 122° 15' on NTS map sheet 92O/1. The Lisle option claims adjoin these to the west.

The claims are on the western section of the Fraser plateau and adjacent to the coast mountains. The topography is subdued and elevations range from about 1,675 to 2,010 metres above sea-level.



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WATSON LOCATION MAP

FIGURE No. 1		PROJECT No. M-584	
A.F.	REVISION		SCALE
DRAWN			FILE No.
APP.			

FIGURE 1

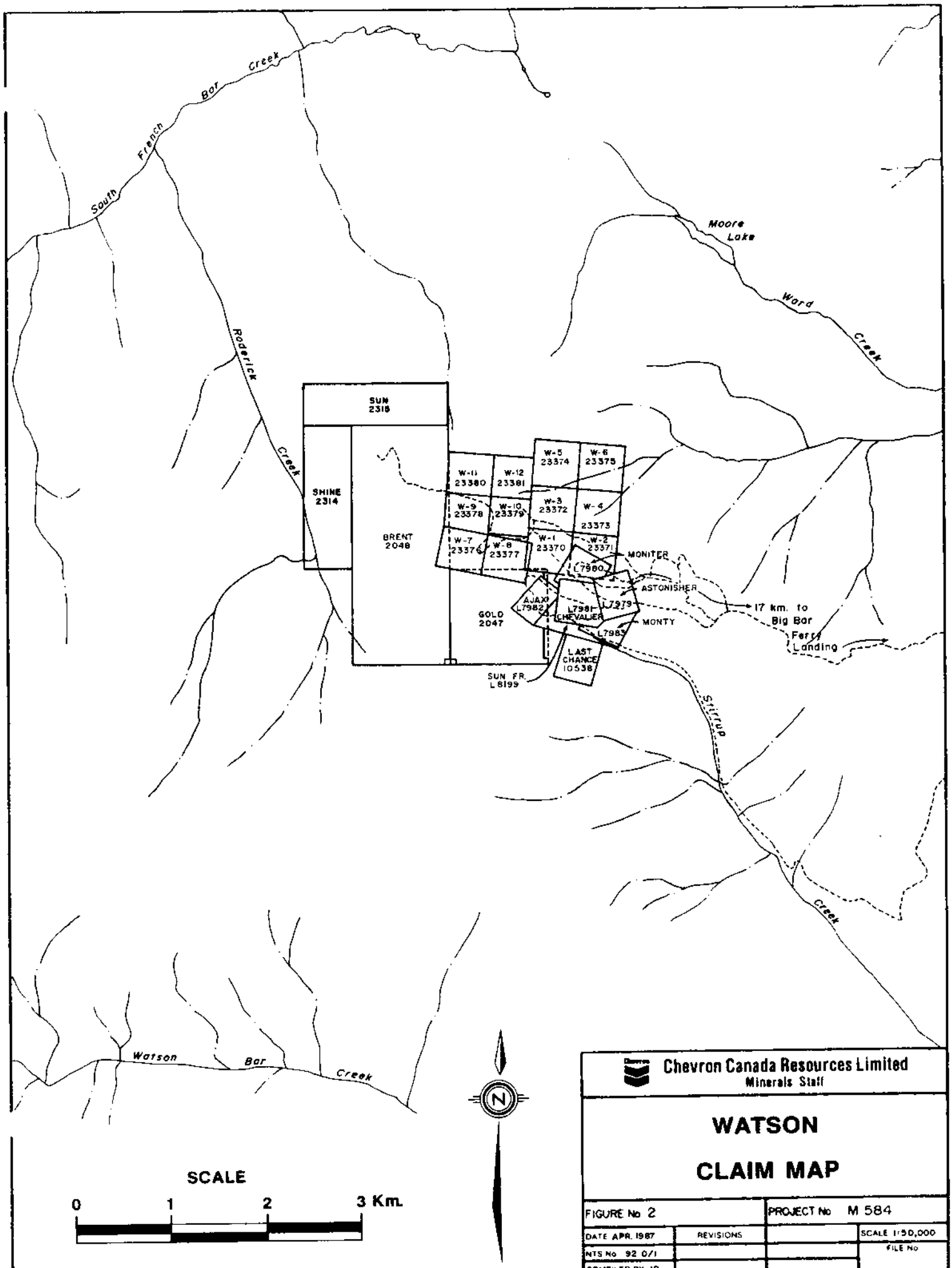
The most common access to the property is by good secondary road from Clinton to the Big Bar Ferry on the Fraser River, then by about 19 km of four-wheel drive road from the ferry to Stirrup Creek, a round trip taking about five hours.

An alternate access is by a route from Lillooet, B.C. by a combination of good logging all-weather road, and a poor road that meets the Big Bar ferry road about 8 kilometres from Stirrup Creek. Current construction on this road will bring the all-weather road to about 8 kilometres from Stirrup Creek, making access considerably easier.

5.0 CLAIM STATUS

The Watson Project includes two separate properties commonly referred to as the 'Warren Option' and the 'Lisle Option'. Mineral claims covered within these agreements are either crown granted, two-post, or modified grid claims staked and recorded in the Clinton Mining Division (Figure 2).

The 19 claim units held under the Warren option, as well as the 20 claim units in the Lisle option are 100% owned by Chevron Minerals Ltd. These claims are as follows:



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CLAIM MAP

FIGURE No 2		PROJECT No M 584	
DATE APR. 1987	REVISIONS		SCALE 1:50,000
NTS No 92 O/1			FILE No
COMPILED BY JD			

Option	Claim	Lot Number	Record Number	Units	Expiry Date
Warren	Astonisher	L7979	CG	1	N/A
"	Monitor	L7980	CG	1	N/A
"	Chevalier	L7981	CG	1	N/A
"	Ajax	L7982	CG	1	N/A
"	Monty	L7983	CG	1	N/A
"	Sun Fraction	L8199	CG	1	N/A
"	W-1		23370	1	04-Nov-1995
"	W-2		23371	1	04-Nov-1995
"	W-3		23372	1	04-Nov-1995
"	W-4		23373	1	04-Nov-1995
"	W-5		23374	1	04-Nov-1995
"	W-6		23375	1	04-Nov-1995
"	W-7		23376	1	04-Nov-1995
"	W-8		23377	1	04-Nov-1995
"	W-9		23378	1	04-Nov-1995
"	W-10		23379	1	04-Nov-1995
"	W-11		23380	1	04-Nov-1995
"	W-12		23381	1	04-Nov-1995
"	Last Chance		10538	1	05-Nov-1995
Total				19	

Option	Claim	Record Number	Units	Expiry Date
Lisle	Gold	2047	4	01-Aug-1994
"	Brent	2048	10	01-Aug-1993
"	Shine	2314	3	22-Jul-1994
"	Sun	2315	3	22-Jul-1994
Total			20	

6.0 HISTORY

Warren reports that placer gold was discovered at Stirrup Creek during the first world war. Over the following 25 years some 3,000 to 5,000 ounces of placer gold were produced. Placer operations have continued intermittently since that time.

The 1933 British Columbia Minister of Mines Report notes that a 100 foot cross-cut with an 80 foot winze and a connecting 12 foot drift were

completed in that year. In 1942 a number of veins and lenses of stibnite were found on the ridge north of Stirrup Creek.

Rio Tinto Explorations Limited optioned the property in 1969. That company carried out geochemical surveys and drilled nine percussion holes aggregating 494 metres (1,622 feet). A piece of float found on the ridge near the saddle area at this time assayed 0.66 opt gold.

Placer Development Limited (now Placer Dome Ltd.), optioned the property in 1973 and undertook geochemical and trenching programs. Chevron Canada Resources Ltd. optioned the property in 1974.

Chevron mapped the property, carried out geochemical programs and trenching and in 1975 drilled two 300 foot vertical core holes.

Asarco was reported to have made detailed examinations of the property in 1980 and Placer Development Limited was reported to have conducted preliminary VLF-EM tests in 1984.

Interest in the property was revived in 1986 when the high-grade Blackdome gold deposit located about 30 kilometres to the north was brought into production. Chevron re-optioned the property and in 1987, carried out a limited trenching and sampling program and drilled four holes aggregating 488.70 metres.

7.0 WORK PROGRAM

Between July 5, 1988 and October 23, 1988, the following exploration was completed on the Stirrup Creek claims:

A) 31.7 kilometres of grid line, picketed and/or flagged and slope corrected with 100 metre spacing and 25 metre centres;

B) 9.30 kilometres of grid line with 100 metre spacing and 50 metre centres all slope corrected and 5.2 kilometres of intermediate lines;

A) 1:5,000 scale outcrop geologic mapping;

B) 1:2,500 scale outcrop geologic mapping;

A) 29.7 line kilometres of VLF EM-16 using Hawaii and Seattle transmitting stations;

B) 9.3 line kilometres of VLF EM-16 using Hawaii and Seattle transmitting stations;

A) 153 drill core samples, 61 rock samples, 5 soil samples and 1 silt sample analyzed for gold and 32 additional elements by ICP;

B) 317 soil and 8 rock samples with the same analyses;

A) Five backhoe trenches, 10 to 60 m long, 1 m wide, 2 to 6 m deep;
All except one small trench reclaimed;
All disturbed areas reseeded;
250 metres of access road constructed;

A) Two NQ drill holes completed aggregating 427.90 metres;

A) Pre-1988 trenches partly reclaimed and seeded.

Note: A) Warren Option
B) Lisle Option

8.0 GENERAL GEOLOGY

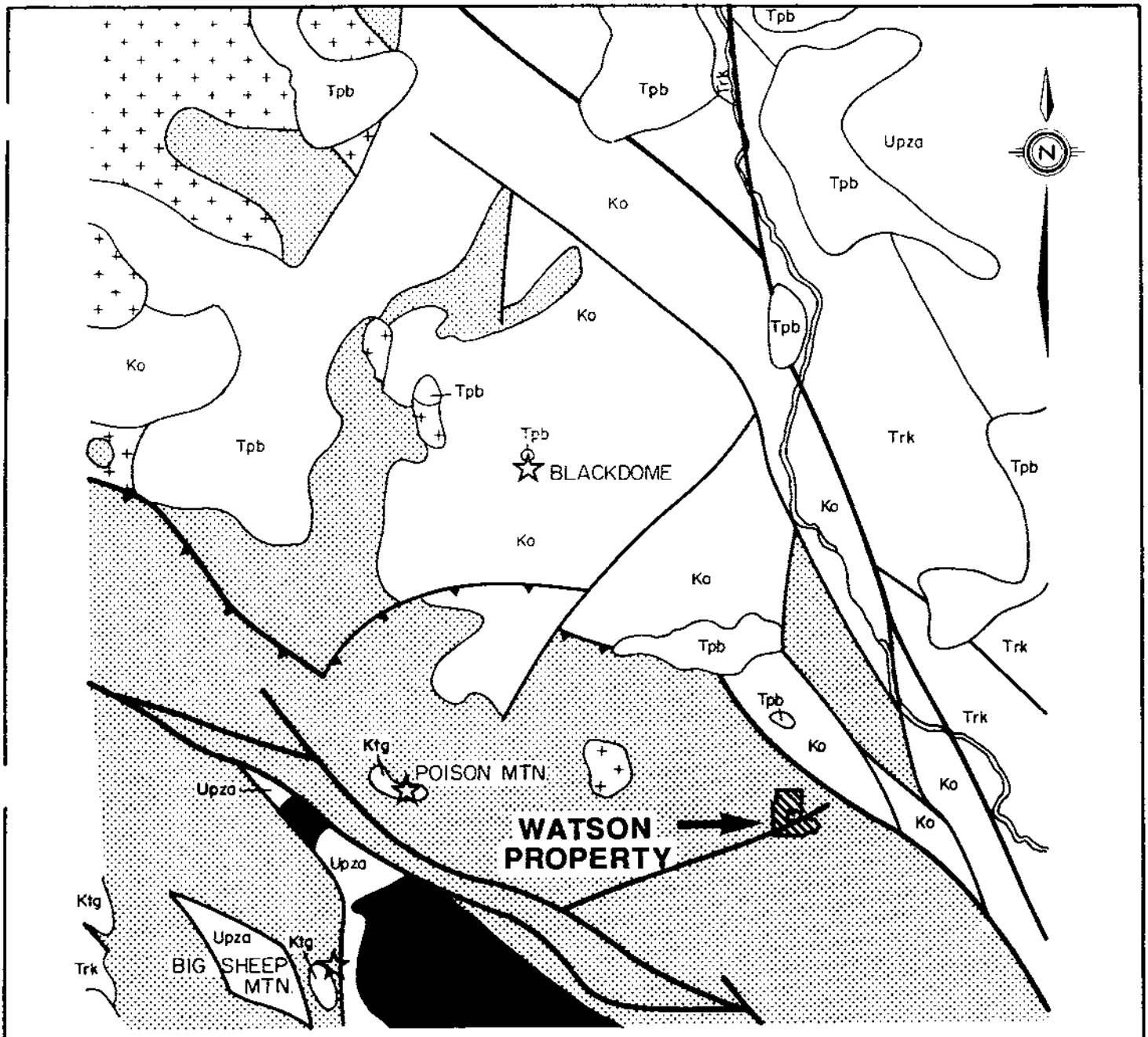
The Stirrup Creek area is on the eastern margin of the Camelsfoot Range and is underlain by sedimentary rocks of the early Cretaceous Jackass Mountain Group (Figure 3).

The Jackass Mountain Group comprises volcanic-rich lithic wackes, shale, siltstone and conglomerate largely of marine origin. The sediments formed in the Tyaughton Basin that developed at the intersection of several regional faults including the Fraser River and Yalakom faults.

Movement along these major structures dissected the Jackass Mountain Group assemblages and separated remnants of the Group by as much as 150 and 110 kilometres along the Yalakom and Fraser River faults respectively.

The same movements are also believed to be responsible for a number of east to northeast directed faults tha cut the large Jackass Mountain Group remnant wedged between the tv o structures in the Camelsfoot Range. Stirrup Creek lies close to one o: these faults and a number of parallel to sub-parallel structures are evident in the area.

Property data, along with data filed in assessment reports on nearby properties indicate that the northeast margin of the Jackass Mountain Group is intruded by tabular masses of granodiorite and feldspar porphyry and quartz feldspar porphyry. The extent of the intrusions is not presently defined.



TERTIARY

- Tpb — Plateau Basalt
- Ko — Felsic Volcanics
- Ktg — Feldspar Porphyry

CRETACEOUS

- Sediments

TRIASSIC

- Trk — Sediments and volcanics

PERMIAN

- Upzd — Sediments and volcanics
- Ultramafic

MESOZOIC

- \+ — Coast Range Intrusive

☆ **Deposit**

0 20

KILOMETRES

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REGIONAL GEOLOGY

FIGURE No. 3		PROJECT No. M584	
DATE NOV.1987	REVISIONS		SCALE
NTS No. 92-O			FILE No. M584-87-2
COMPILED BY SM			

Petrographic work (Getsinger, J.S. November 24, 1985, Appendix V) indicates the Stirrup Creek quartz feldspar porphyry was emplaced as shallow intrusions or related to volcanic eruptions of rhyodacitic lava. Eocene rhyolitic, dacitic and andesitic rocks that host the Blackdome deposit to the north also outcrop about three kilometres northeast of the headwaters of Stirrup Creek. In spite of the major bounding fault (Trettin 'D' Fault), it seems likely that more than a coincidental relationship exists between the intrusions and volcanic rocks.

8.1 GEOLOGY - UPPER STIRRUP CREEK AREA

The sedimentary assemblage in the project area includes a coarse boulder conglomerate. The unit is clast supported with well rounded quartz-rich intrusive clasts ranging up to $\pm$0.70 metres dominating. It is matrix supported at the base where it is interbedded with sandstone. The unit has been mapped only on the north side of the Warren claims north of the Stirrup Creek Ridge (Figure 4).

The sandstone is commonly medium grained. Lithic and feldspathic varieties are common. In places it grades to narrow pebble conglomerate or is interbedded with siltstone. Disseminated pyrite and pyrrhotite are locally present. In unaltered areas the rock is green to grey.

The well bedded siltstone is grey to green but grades to dark-grey argillaceous siltstone in eastern exposures. It is locally interbedded with soft shale layers. Drill holes near the saddle area indicate the near-surface horizon has been hornfelsed (?) to a brown cherty rock.

However, thin-sections also indicate a cherty character to the rock in other areas of the claims.

All intrusive rocks appear to occur as dykes or sills a few to several tens of metres thick. Dark hornblende-rich granodiorite dominates at the lower elevations and feldspar and quartz feldspar porphyry is more prevalent at the higher elevations. Gradations are evident in drill core. The intrusions are locally mineralized with fine pyrite and traces of arsenopyrite (?). Pyrrhotite and chalcopyrite are also locally present.

A small occurrence of calcareous sinter outcrops in a northeasterly valley on the north slope of the glaciated ridge. Its extent is not presently defined.

The general trend of the assemblage as mapped is north to northeast with dips from 10° to about 50° west to northwest. Many of the intrusions appear sill-like and follow this trend.

A number of faults have been mapped within about 15° of east and locally parallel a major lineament cutting the glaciated ridge near the saddle area. A second set trends northeast and in some areas bedding plane shears are evident at or near intrusive contacts.

Weak to very strong argillic alteration, locally with significant concentrations of grey chalcedonic quartz, is evident and tends to occur within or near faults and porphyritic intrusions. It may in part be stratigraphically controlled. This alteration in places is masked by limonitic stain that forms conspicuous near surface zones, but which has also

been detected at depth around fault zones. The more highly altered sections are cut by clusters of brown limonitic fractures.

The highest gold assays from the property are from areas coincident with alteration zones that mainly occur along the glaciated ridge. To a lesser extent, gold is also indicated in more discreet structural trends on the lower north slope of Stirrup Creek.

A number of vein or vein replacements are evident along the ridge and tend to occur within or close to bedding. Better known veins at the higher elevations of the ridge contain up to 15 cm. Of coarse stibnite associated with indistinct quartz and fine arsenopyrite and minor pyrite. The sulphide zone is commonly marked by a selvedge of highly altered host rock. The smaller thinner zones may consist of narrow layers of solid sulphide in bedding, or less distinct dark-grey siliceous zones partly marked by a greenish-yellow cast.

The configuration of these zones is not presently well enough defined to indicate a common source. Where exposures have been sampled, gold assays range up to a few hundred ppb, but locally exceed 1,000 ppb. Arsenic and antimony assays are in the thousands of ppm, with anomalous mercury.

The highest gold assays have been located in the saddle area of the ridge and tend to occur in narrow north to north-northeast fault and fracture zones. Theses zones can be marked by limonitic vuggy crystalline quartz veinlets with minor pyrite, or by seams of red hematitic gouge. Traces of native gold have been noted in vuggy crystalline quartz veinlets in the vicinity of the

northerly bedded shear zone. Gold is normally associated with high arsenic and in one area with high zinc.

Select samples of a narrow auriferous northerly trending fracture about 900 metres southeasterly along the ridge and of a narrow northerly quartz fracture from the hydraulic cuts on the lower north slope of Stirrup Creek may be part of this fracture system.

Other old workings on the lower north slope of Stirrup Creek reveal carbonate alteration and limonitic gouge associated with easterly trending fault zones. One of these zones yielded 650 ppb gold. Unlike the saddle area zone, these lower zones contain very low concentrations of arsenic.

9.0 GEOCHEMISTRY

The search for the bedrock source of placer gold has included extensive geochemical surveys around the headwaters of Stirrup Creek. The available data indicates that approximately 1,450 soil and 200 rock samples were collected from the Warren property in the 1973-74 period and a further 243 rock and 5 soil samples collected in the 1987-88 period. Approximately 650 soil and 34 rock samples were collected from the Brent claim area between 1981 and 1988 (T.E. Lisle, 1988).

All of the above samples were analyzed for gold. Many of the 1973-74 and 1981 samples were analyzed for arsenic, antimony and mercury. All of the 1987-88 samples were analyzed for 32 elements by ICP (Appendix IV and V).

Large areas, particularly in valley troughs, are devoid of outcrop. In spite of this the surficial cover is relatively thin and only locally been found to be in excess of six metres deep. The claim area is erratically blanketed with a post-glacial ash layer (Bridge River Ash) that is commonly up to 0.20 metres thick. The ash overlies a grey to brown to reddish-brown glacial till that contains abundant angular to subangular rock fragments.

During Fraser glaciation, the direction of ice transport in the Stirrup Creek area is indicated to have been east to southeast from the Coast Mountains. Large blocks of a distinctive boulder conglomerate mapped only on the north flank of the Warren property however have been found in the Stirrup Creek valley, indicating a southerly direction of ice transport.

The Stirrup Creek area is in fact shown by Tipper to be within and near the southern limits of an area covered by a late southerly ice advance from the Cariboo Mountains. Because Warren reports that most of the gold recovered was from within or from north of Stirrup Creek its distribution would appear to be more directly related to the southerly moving ice mass. The geochemical data at Stirrup Creek indicates the following:

1) There is a strong correlation between high gold and arsenic concentrations. In some areas there is also a strong supporting correlation with antimony and mercury. At the Warren property the highest concentration of these elements are on the glaciated ridge north of Stirrup Creek. Because overburden on the ridge is comparatively thin, the anomalous responses are believed to reflect a number of vein and vein replacements with a high content of

arsenopyrite and stibnite and anomalous amounts of gold and mercury. The responses may also reflect other structurally controlled mineralized zones in the same area.

2) Downslope to the south of the ridge and down ice, surficial cover ranges to about three metres where examined. A number of samples were collected at various depths of the till from the same sites. The analyses showed that anomalous responses were obtained from samples collected about 0.15 metres above bedrock were about three times higher than samples collected 0.30 metres below surface. With minor exception, underlying rock samples assayed an average of approximately 0.032 ppm gold and 105 ppm arsenic perhaps indicating a link between the anomalous responses in the till to glacial transport.

3) Soil cover south of Stirrup Creek, where examined, is in the order of ± 1 metre thick. Anomalous concentrations of mercury in soils were in places supported by anomalous concentrations of mercury in rock samples. However, only background concentrations of gold, arsenic and antimony are indicated.

4) The range of soil assays for gold, arsenic and antimony at the Brent property is comparable to those found on the Warren property. At the Brent the anomalous responses are more scattered. In one area of the Brent the high responses are thought to reflect a siliceous stringer zone. The distribution of other high assays may relate to glacial transport or to topography. A general lack of bedrock exposure

precludes a definitive interpretation and further pitting and trenching will be necessary to assess their significance.

10.0 VLF-EM SURVEY

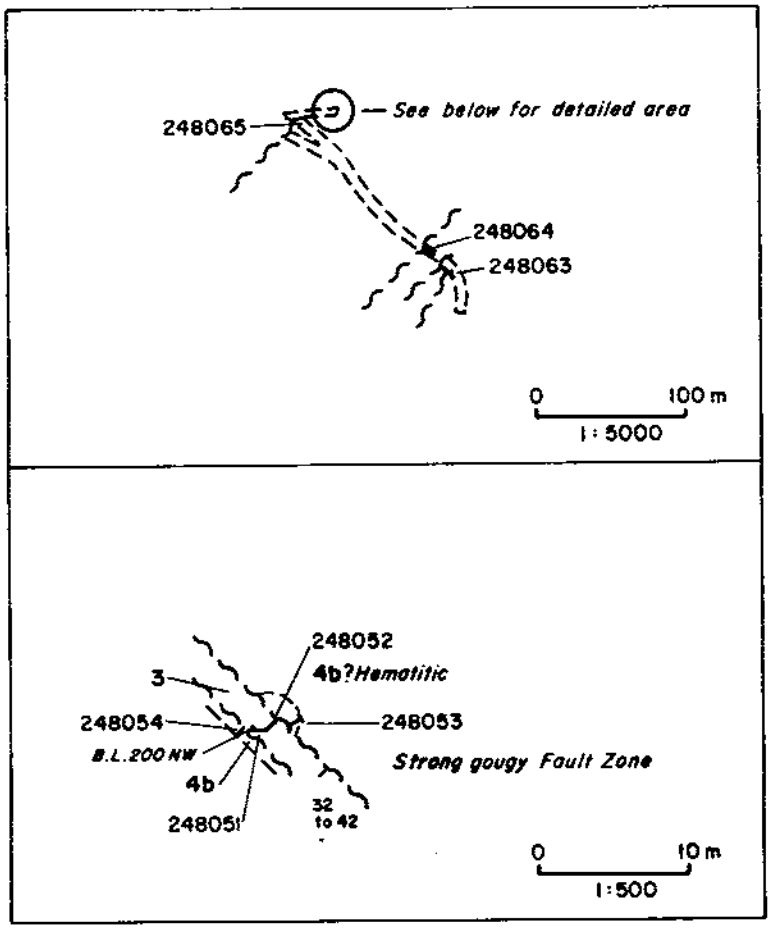
A VLF electromagnetic survey using transmitting stations in Hawaii and in Seattle, Washington was undertaken to examine the geophysical characteristics of the claim area. In-phase and quadrature readings were recorded for stations at 25 metre centres on lines 100 metres apart over a total of 39 line kilometres. The in-phase readings were Fraser Filtered (Appendix VIII) and the data plotted and contoured on 1:5,000 scale maps.

The strongest responses were obtained on the Warren property where the Seattle data revealed strong conductors roughly parallel to the northwest trending base line (Figures 5 and 6). These conductors are partly coincident with an area embracing many of the stibnite-arsenopyrite veins, however they also are coincident with slope changes and mirror the topography of the central glaciated ridge. For this reason their significance remains in doubt.

11.0 TRENCHING

A backhoe trench (88-1) was cut along the conductor trend at 200 NW on the base line. A very strong gougy bedding plane (?) fault trending northwest and dipping about 35° southwest was exposed. Assays of samples from this trench, along with assays of other fault structures along the access road to the trench yielded low concentrations of gold and arsenic (Figure 7).

A second trench (88-2) was cut on the same conductor trend at 300 SE between 100 NE and 150 NE. At the northeast end of the trench alteration



TRENCH 88-1 SAMPLE RESULTS

SAMPLE	WIDTH (M)	Au ppb	As ppm	Sb ppm
248051	1.30	<5	10	<5
248052	0.95	50	60	<5
248053	1.00	205	25	<5
248054	0.50	65	70	<5
248063	0.70	20	170	<5
248064	0.55	5	100	5
248065	0.50	10	70	5

LEGEND

- 4 a Feldspar Porphyry
  b Quartz Feldspar Porphyry
  c Granodiorite
- 3 Siltstone - Argillite
- 2 Sandstone
- 1 Conglomerate
- Limonite Alteration
- Argillic Alteration

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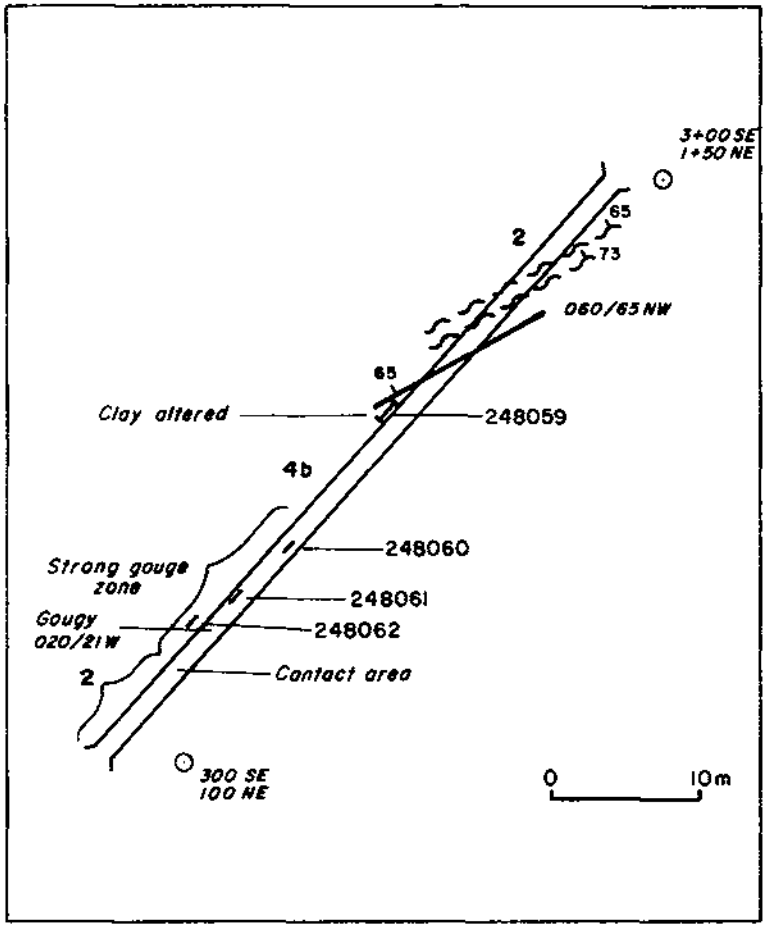
TRENCH 88-1

FIGURE No 7		PROJECT No M-584	
DATE DEC. 1988	REVISIONS		SCALE
NTS No 92 O/1			FILE No G-14
COMPILED BY T.E.L			

and faulting were seen to trend northeast. At the southwest end of the trench a significant amount of gouge was also evident, however the trend was not determined. Four samples of the gougy sections of the trench yielded low concentrations of gold. One of the samples (248061) crossing a hematitic gougy fracture yielded 3900 ppm arsenic (Figure 8).

A third trench (88-3) trending northeast through the base line at 15 NW examined the north flank of the Fraser Filter anomaly in the saddle area of the ridge. The trench exposed siltstone and fragments (?) of quartz feldspar porphyry dykes similar to what had been uncovered in nearby trenches. Sections of the trench are locally well sheared. The highest assays returned were 790 ppb gold and 2250 ppm arsenic from sample 248055 (Figure 9).

A strong line to line conductor was indicated near the southwest ends of lines 700 SE, 800 SE and 900 SE. Trench 88-4 was cut between 712 SW and 737 SW on line 700 SE. The trench exposed altered and unaltered granodiorite and sandstone. The granodiorite has been crushed, sheared and locally contains small quartz veinlets and considerable amounts of gouge. Crude layering trending about -20° southwest may indicate bedding shearing along an intrusive-sediment contact. Five samples from this trench failed to yield assays of significance (Figure 10).



TRENCH 88-2 SAMPLE RESULTS

SAMPLE	WIDTH (M)	Au ppb	As ppm	Sb ppm
248059	1.50	55	600	35
248060	1.00	<5	120	15
248061	0.90	65	3895	220
248062	1.00	<5	185	25

LEGEND

- 4 a Feldspar Porphyry
  b Quartz Feldspar Porphyry
  c Granodiorite
- 3 Siltstone – Argillite
- 2 Sandstone
- 1 Conglomerate
- Limonite Alteration
- Argillic Alteration

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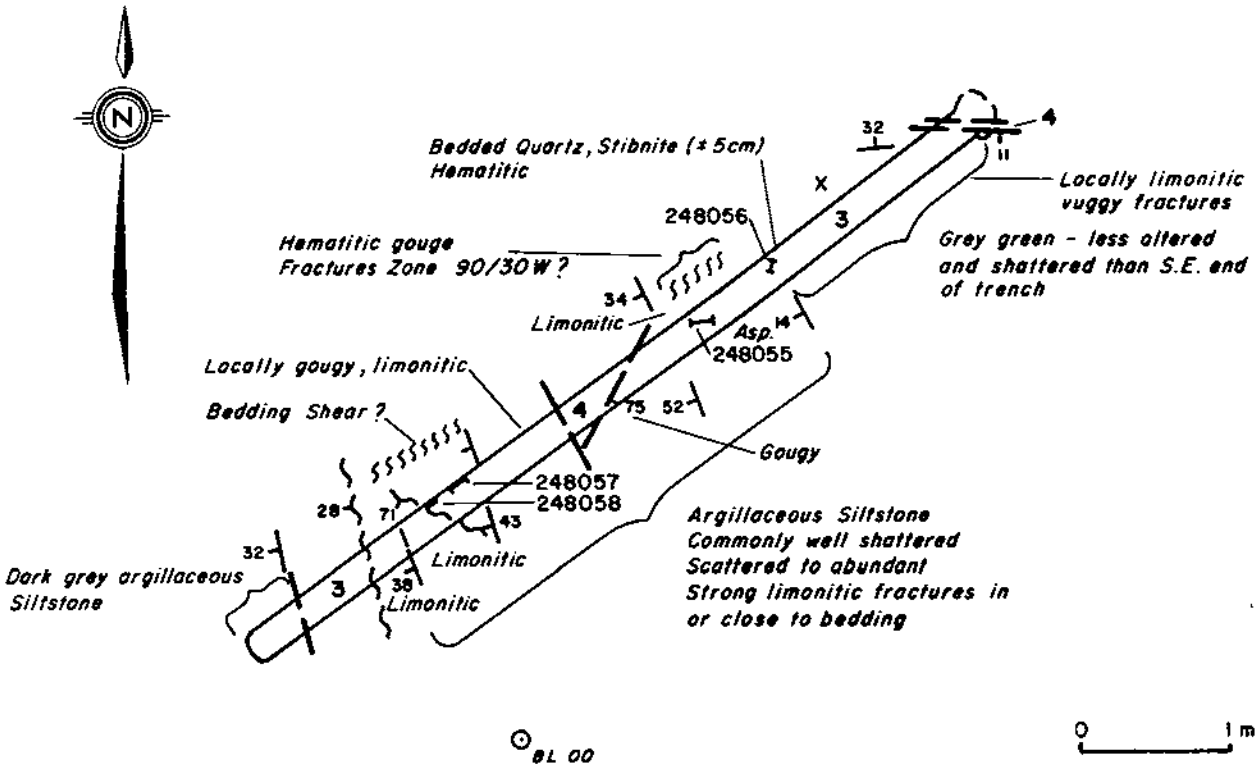
TRENCH 88-2

FIGURE No 8		PROJECT No M-584	
DATE DEC. 1988	REVISIONS		SCALE 1:500
NTS No 82O/1			FILE No G-15
COMPILED BY T.E.I.			



LEGEND

- 4 a Feldspar Porphyry
  b Quartz Feldspar Porphyry
  c Granodiorite
- 3 Siltstone – Argillite
- 2 Sandstone
- 1 Conglomerate
- Limonite Alteration
- Argillic Alteration

TRENCH 88-3 SAMPLE RESULTS

SAMPLE	WIDTH (M)	Au ppb	As ppm	Sb ppm
248055	1.50	790	2250	35
248056		100	>10000	>10000
248057	1.40	35	500	160
248058	0.60	20	1305	50

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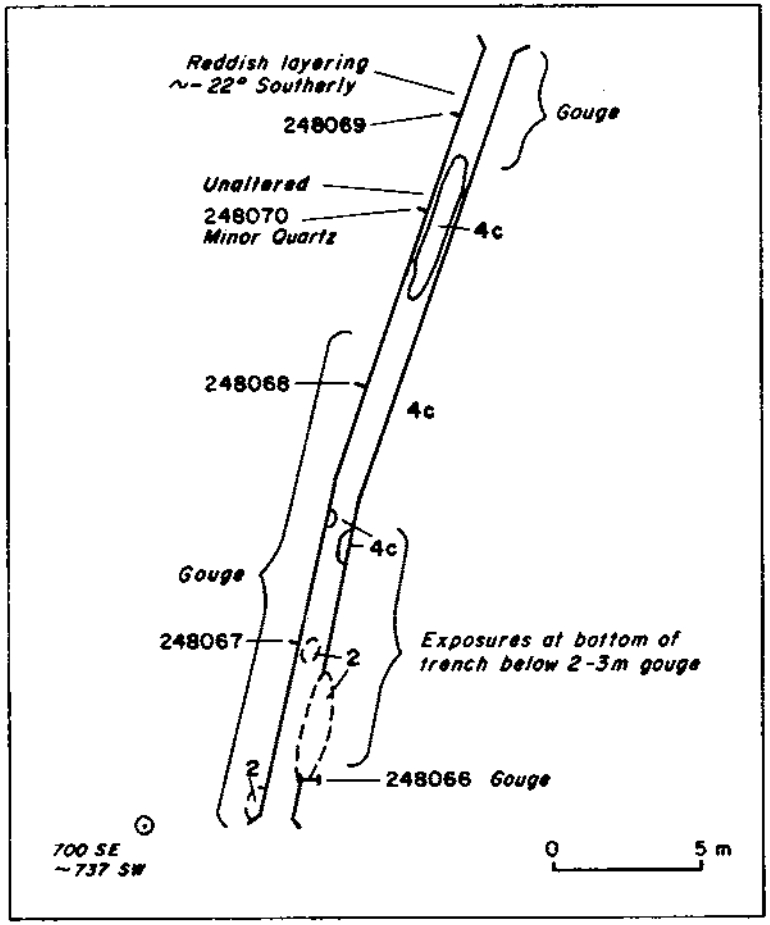
TRENCH 88-3

FIGURE No 9		PROJECT No M-584	
DATE DEC.1988	REVISIONS		SCALE 1:50
NTS No 92O/1			FILE No. G-16
COMPILED BY T.E.L			



NOTE: Chip samples collected from trench walls.

TRENCH 88-4 SAMPLE RESULTS

SAMPLE	WIDTH (M)	Au ppb	As ppm	Sb ppm
248066	1.30	<5	15	5
248067	1.50	<5	15	<5
248068	0.85	<5	25	5
248069	0.80	<5	15	5
248070	1.00	<5	<5	5

LEGEND

- 4 a Feldspar Porphyry
  b Quartz Feldspar Porphyry
  c Granodiorite
- 3 Siltstone - Argillite
- 2 Sandstone
- 1 Conglomerate
- Limonite Alteration
- Argillic Alteration

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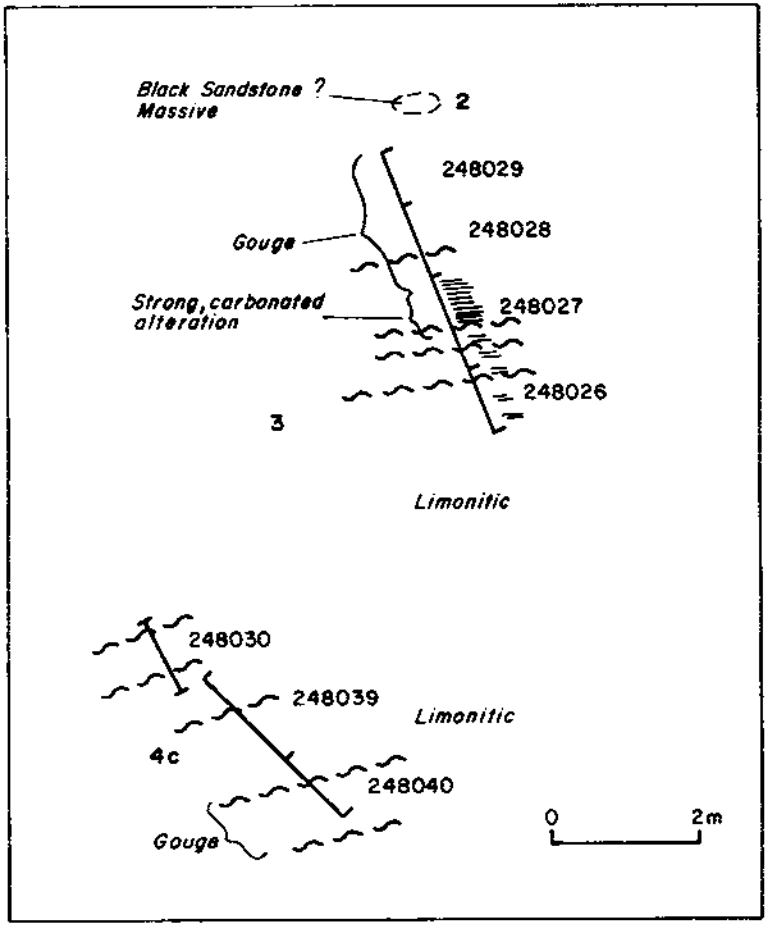
TRENCH 88-4

FIGURE No 10		PROJECT No M-584	
DATE DEC.1988	REVISIONS		SCALE 1:250
NTS No 92O/1			
COMPILED BY T.E.L			G-17



1988 AJAX 700 CUT SAMPLE RESULTS

SAMPLE	WIDTH (M)	Au ppb	As ppm	Sb ppm
248026	0.90	35	45	10
248027	1.30	650	10	5
248028	1.00	95	<5	<5
248029	0.80	70	10	5
248030	0.90	35	15	5
248039	1.60	30	10	5
248040	1.10	90	10	5

LEGEND

- 4 a Feldspar Porphyry
  b Quartz Feldspar Porphyry
  c Granodiorite
- 3 Siltstone - Argillite
- 2 Sandstone
- 1 Conglomerate
- Limonite Alteration
- Argillic Alteration

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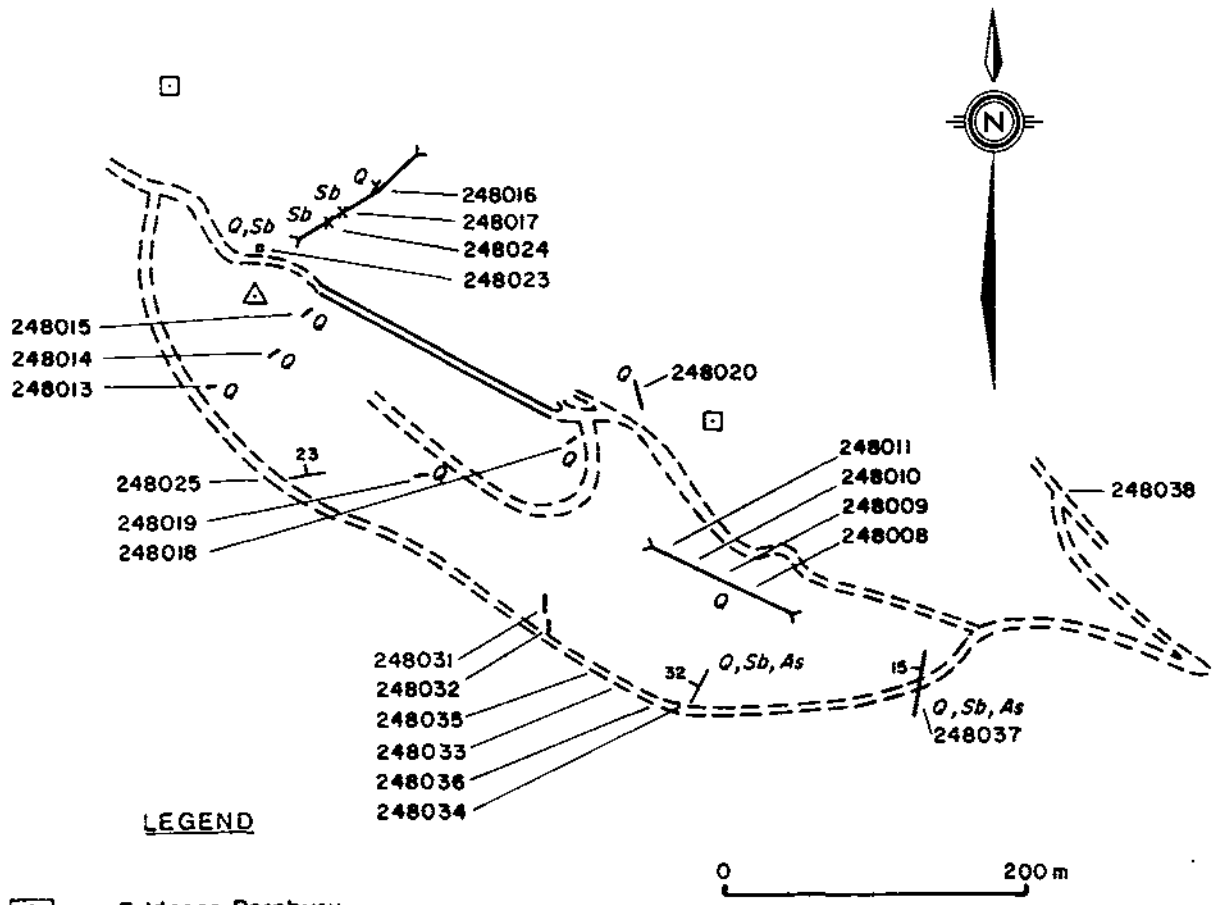
AJAX 700 CUT

FIGURE No 11		PROJECT No M-584	
DATE DEC. 1988	REVISIONS		SCALE 1:100
NTS No 92O/1			FILE No. G-18
COMPILED BY T.E.L			



LEGEND

- 4 a Feldspar Porphyry
  b Quartz Feldspar Porphyry
  c Granodiorite
- 3 Siltstone – Argillite
- 2 Sandstone
- 1 Conglomerate
- Limonite Alteration
- Argillic Alteration

1988 INVERARITY CUT SAMPLE RESULTS

SAMPLE	WIDTH (M)	Au ppb	As ppm	Sb ppm
248008		100	1255	3100
248009	0.40	10	600	95
248010	0.80	<5	425	40
248011	0.70	150	485	50
248012		<5	5	10
248013		5	1355	>10000
248014		250	1065	270
248015		10	4495	9400
248016		100	2830	6745
248017		<5	1855	>10000
248018		5	5360	>10000
248019		365	7510	>10000
248020		5	4000	>10000
248023		10	8960	165
248024		<5	>10000	>10000
248025		10	3950	205
248031		10	145	15
248032		6550	170	10
248033		300	2480	>10000
248034	0.40	55	7765	2635
248035		15	1680	130
248036		30	4050	2195
248037		<5	4680	1225
248038		<5	145	30

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WATSON

INVERARITY CUT

FIGURE No 12		PROJECT No M-584	
DATE DEC.1988	REVISIONS		SCALE 1:5000
NTS No 92O/1			FILE No. G-19
COMPILED BY T.E.L.			

12.0 DRILL PROGRAM

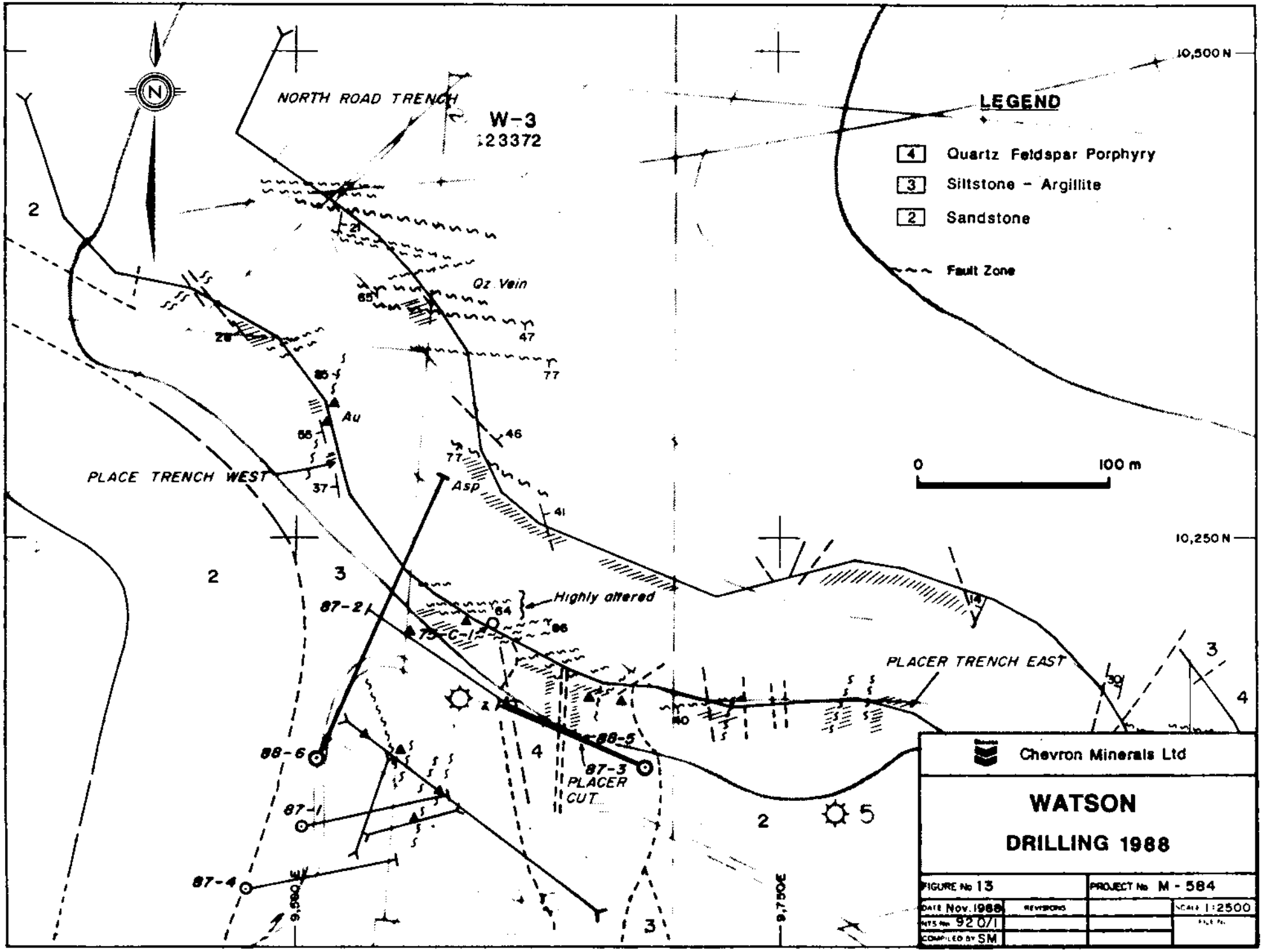
Two core holes aggregating 427.90 metres were completed in the saddle area of the ridge between October 2 and 23, 1988 (Figure 13). The holes were drilled to examine in greater detail, those intercepts of significance noted in the 1987 drill program (Figure 14).

Drill hole 88-5 was collared at the same site as drill hole 87-3 and drilled at 294°/-63°. The hole started in quartz feldspar porphyry and cut narrow siltstone horizons from 26.0 to 35.39 metres. From 35.39 metres to the bottom of the hole at 198.73 metres sandstone is the dominant rock with three feldspar or quartz feldspar porphyry sills (?) occurring between 35.39 and 117.10 metres (Figures 17 and 20).

Sections of the core are unaltered, however argillic alteration of variable intensity is present throughout much of the hole. Pyritic fractures locally with arsenopyrite are evident and narrow green scorodite (?) zones occur between 59.82 and 64.75 metres. Sections of interest include the following:

a) Between 10.80 and 11.07 metres and 15.70 and 16.15 metres, narrow ($\pm$1 cm) gougy arsenic-rich hematitic-limonitic zones comparable to narrow auriferous fracture zones sampled in Placer Trench East were encountered. The two zones assayed 3.32 ppm and 2.2 ppm gold from samples 248105 and 248107, respectively. The zones are indicated to dip at about 45° to core axis.

b) Between 140.00 and 142.50 metres conspicuous arsenopyrite fractures associated with minor quartz-carbonate and pyrite and marked by


NORTH ROAD TRENCH
W-3
123372
Qz Vein
Au
Asp
PLACE TRENCH WEST
Highly altered
87-2
87-1
87-3
87-4
88-5
88-6
PLACER CUT
PLACER TRENCH EAST
10,500 N
10,250 N
9,750E
9,500E
0
100 m
LEGEND
4 Quartz Feldspar Porphyry
3 Siltstone - Argillite
2 Sandstone
Fault Zone
Chevron Minerals Ltd
WATSON
DRILLING 1988
FIGURE No 13
PROJECT No M - 584
DATE Nov. 1988
REVISIONS
SCALE 1:2500
NTS No 92 O/1
COMPILED BY SM

hematite-limonite in broken areas are present. Sample 248150 across 1 metre assayed 1.55 ppm gold and 5390 ppm arsenic. An adjacent 1 metre sample (248149) yielded 0.33 ppm gold and 2445 ppm As. A sample 1 metre below (248151) yielded 0.70 ppm gold and 2105 ppm arsenic.

c) Between 189.70 and 190.80 metres sample 248161 assayed 14.99 g/tonne gold (including native gold). This sample yielded 500 ppm arsenic. The 1 metre samples above and below (248160 and 248162) assayed 0.50 ppm and 0.18 ppm gold and 100 ppm and 95 ppm arsenic, respectively.

Drill hole 88-6 was drilled at 024.5°/-60° from the west side of the saddle area to examine mineralization postulated to occur in a 075°/75S fault. Detailed mapping and sampling had shown fault strands of comparable attitude in Placer Trench West and also a range of gold-arsenic assays in the lower sections of drill hole 87-2 (Figure 18). A 91 metre vertical drill hole in the same area (75-C-1) of the trench was entirely in sandstone providing support for a nearby zone of dislocation.

Hole 88-6 encountered altered siltstone to 157.65 metres followed by sandstone to the bottom of the hole at 229.12 metres. The sedimentary rocks are intruded by granodiorite from 53.79 to 61.57 and 79.52 to 118.00 metres. The granodiorite is unaltered to 84.83 metres and then is erratically clay altered to 118.00 metres where it grades to quartz feldspar porphyry. The porphyry is present and variably altered to 140.21 metres and between 146.75 to 149.10 metres and 178.31 metres to 188.6 metres (Figures 23 and 24).

Drill hole 88-6 cut the expected zone between approximately 135.35 and 152.81 metres, some 30 metres below the highly anomalous zone encountered near the bottom of hole 87-2. As in hole 87-2, hole 88-6 encountered significant concentrations of grey chalcedonic quartz that in sections support altered sandstone clasts in breccia or breccia stringer zones. Sections of interest in hole 88-6 include:

a) The section between about 135.35 and 152.81 metres includes breccias, shears, dykes (?), pyritic fractures, streaks, local disseminations of arsenopyrite and in places quartz stringers with disseminated arsenopyrite. Contacts and linear features in this zone are commonly steep at 0° to 30°. Assays ranged to 1.15 ppm gold and 6450 ppm arsenic from samples 248208 and 248210, respectively, with local associations of anomalous antimony, copper, lead, zinc and silver.

b) The mineralized sandstone between 158.85 and the quartz feldspar porphyry at 178.31 metres is variably altered and contains significant grey chalcedonic quartz as breccia or stringer zones. The gold content ranges to 0.345 ppm in sample 248219 and arsenic between 115 and 920 ppm from samples 248212 and 248229, respectively.

c) The highest gold assay in the hole was 1.70 ppm gold, with 190 ppm arsenic and anomalous zinc in a 1 metre sample (248239) between 204.00 and 205.00 metres. Between 210.63 and 220.00 metres strong 25° to 35° quartz-pyrite-arsenopyrite fractures give rise to a number of assays that range to 0.84 ppm gold, 4015 ppm arsenic and 1290 ppm zinc from sample 248245.

An interpretation of surface mapping and drill data indicates that the Jackass Mountain Group sediments have been intruded in part by a number of sill-like porphyry masses. In the saddle area of the ridge the intrusions are commonly altered. Where examined by drilling, they occur over a stratigraphic interval of about 100 metres at a facies change from massive sandstone, to an overlying well-bedded siltstone unit with minor shale.

Sections of the stratigraphic sedimentary-intrusive interval are highly enriched in arsenic with anomalous gold and antimony and minor amounts of copper, lead, zinc, silver and rarely cobalt. Where exposed on surface several hundred metres along the ridge to the southeast, narrow vein and vein 'replacements' in the bedding trend are locally siliceous and contain arsenopyrite and in places coarse stibnite.

This type of mineralization has only been identified on the Warren property along the prominent glaciated ridge. In the saddle area the assemblage dips at $\pm 20^{o}$ westerly. Mineralization may also occur higher or lower in the assemblage, however its vertical distribution is not defined. A small exposure of comparable mineralization has been mapped on the Brent property more than a kilometre to the northwest.

The data shows that gold mineralization and alteration also occurs in narrow northerly trending fracture zones at surface. It is also present at depth in the sandstone beneath the intrusive rocks in the ridge saddle area where it is more readily identifiable with vein or fracture fillings. Some of these lower occurrences show a marked decrease in arsenic and related elements.

The geology of the ridge complex is not sufficiently well documented to define either the relationship between the two types of mineralization, or to provide good hole to hole correlation between mineralized intercepts. In this connection, the following may be relevant:

a) The high-grade intercept from sample 248161 (14.99 g/tonne over 1.10 metres at 189.70 metres in hole 88-5) may correlate with the trace of a fracture zone trending about 022°/78E in Chevron trench 74-1. A select grab sample from this surface zone assayed 5.472 opt gold (sample 62133) and native gold was identified in other nearby vuggy quartz fractures close to a mineralized bedding plane shear. The grade of gold in these samples is sufficiently attractive to warrant further exploration.

b) Drill hole 87-3 yielded a 0.18 metre intercept grading 0.61 opt gold and +10,000 ppm arsenic at 85.65 metres (sample 82576). It is possible that this intercept correlates with a 0.18 metre intercept at 59.82 metres in hole 88-5 that assayed 0.04 ppm gold and 9,999 ppm arsenic (sample 248124) thus giving a gently dipping zone along the strata. However the 45° banding in the hole 87-3 intercept, coupled with $\pm$20° fracturing in the 140.00 - 142.50 metre intercept in 88-5 might suggest a near-vertical mineralized fracture zone.

c) The mineralized intercepts between 10.80 and 11.07 metres and 15.70 and 16.15 metres in hole 88-5 included material similar to that sampled in the nearby Placer Trench to the north. Sample 62042 selected from

a narrow northerly to northeasterly trending fracture zone with branches dipping from 90° to 82° east assayed 0.374 opt gold.

For the same reasons noted above, uncertainty remains about the mineralization encountered in Placer Trench West and in drill holes 87-2 and 88-6. Surface structures, high levels of chalcedonic quartz and linear features at narrow angles to the core axis in hole 88-6 would support the concept of a fault zone, however the range of assays evident in hole 88-6 between 135.35 and 152.81 metres is comparable to mineralized intercepts found at the same stratigraphic level in other drill holes.

In connection with the high zinc association with mineralized intercepts near the bottom of hole 88-6, it should be noted that sample 62079 selected from Placer Trench West about 160 metres north of the drill hole collar yielded 6.2 ppm gold +10,000 ppm arsenic and 3420 ppm zinc. These zones are separated by a vertical interval of about 135 metres and the relationship is uncertain. However, the possibility that the zones might be connected along a steep easterly dipping fracture zone should not be ignored.

13.0 REFERENCES

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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 7 years in B. C.

4. I am a member in good standing of the Society of Economic Geologists, a Fellow of the Geological Association of Canada 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.

Dated the 19th day of December 1988

S. G. McAllister

Sandy G. McAllister

a8/13

Appendix I

CERTIFICATION

I, Thomas E. Lisle of 145 West Rockland Road, District of North Vancouver hereby declare:

1. That I am a geologist with residence and business at the above address.

2. That I am a member in good standing of a) The Association of Professional Engineers of B.C. and b) The Geological Association of Canada.

3. That I carried out this work described in this report with the assistance of P. McKenzie and D. Lisle. Field technicians for Chevron Minerals Ltd. The work was completed between the dates shown on the filed Statement of Exploration and Development.

T. E. Lisle, P.Eng.
September 16, 1988

a8/10/11

APPENDIX II

COST STATEMENT

WATSON 1988 COST STATEMENT

WARREN OPTION

SALARIES

	Field	Office	Field Dates
T. Lisle	67.0	9.75	July 5-31, Sept. 1-19, Oct. 2-22
L. Dick		6.0	
S. McAllister	3.0	8.0	July 16-18
J. Burgoyne	3.0	3.25	July 6-8
C. Blanchet	1.0		June 30
P. MacKenzie	38.0		July 5 - Aug. 11
D. Lisle	25.0		July 6-30
T. Zanger	22.5		Sept. 20-23, Oct. 2-7, 14-26
M. Tesch	7.0		Oct. 8-14
J. Getsinger		1.0	
K. Niggemann		4.0	
J. Donnelly		1.0	
	166.5	33.0	

199.5 days @ $204.71 $ 40,839.49

DISBURSEMENTS

Assays			4,339.00
Freight			256.98
Fuel			875.95
Supplies & provisions (flagging, sample bags, etc.)			5,506.66
Radio telephone			330.07
Truck rental		3 months @ $1000 + mileage	3,127.05
VLF EM-16		17 days @ $13	221.00
Computer rental		0.5 months @ $500	250.00
Plotter		2 days @ $20	40.00
Drafting		207.1 hours @ $21.50	4,452.22
Cat 225	88 hrs @ $80		7,040.00
Lowbed	18 hrs @ $60		1,080.00
Diamond drilling	1404' @ $45.98		64,550.53
(see attached sheet for details)			

TOTAL $132,908.95

DIAMOND DRILLING COST

WATSON PROJECT - WARREN OPTION

MOBILIZATION		
Mobe/demobe to discharge point		$ 1,600.00
DRILLING		
DDH 88-5	55' HQ @ $25	1,375.00
	591' NQ @ $21.90	12,942.90
DDH 88-6	160' HQ @ $25	4,000.00
	577' NQ @ $21.90	12,636.30
DRILL MOVES AND SET UP		
DDH 88-5	19.5 hours at operating rate @ $80	1,560.00
	53.5 hours at non-operating rate @ $70	3,745.00
	60.0 hours extra labour @ $26	1,560.00
DDH 88-6	29.5 hours at operating rate @ $80	2,360.00
	74.0 hours at non-operating rate @ $70	5,180.00
	48.0 hours extra labour @ $26	1,248.00
WATER TRUCK		2,519.00
OTHER		
D-6 Cat	9 hours @ $75	637.50
Core boxes, mud products, etc.		3,399.56
Bits, casing shoes, etc.		9,787.27
	TOTAL DRILLING COSTS	$ 64,550.53

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

HEVRON CANADA RESOURCES LTD.
MINERALS STAFF
1900 - 1055 W. HASTINGS ST.
VANCOUVER, B.C.
V6E 2E9
Project : M584
Comments: ATTN: S. McALLISTER

PROJECT
Page No.
Tot. Pages: 1
Date : 09-NOV-88
Invoice # : I-8826914
P.O. # : NONE

CERTIFICATE OF ANALYSIS A8826914

SAMPLE DESCRIPTION	PREP CODE		Au tot g/tonne	Au - g/tonne	Au + mg	Wt. + grams	Wt. - grams					
248161 RESPLIT	207	--	14.99	13.92	0.440	4.20	352					

88-5

ALL ASSAY DETERMINATIONS ARE PERFORMED OR SUPERVISED BY B.C. CERTIFIED ASSAYERS

CERTIFICATION : W. Glen Mumaw

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 : M584
Comments: CC: S. MCALLISTER

Page No.
Tot. Pa/
Date 3-NOV-88
Invoice # : I-8826702
P.O. # : 36935

CERTIFICATE OF ANALYSIS A8826702

SAMPLE DESCRIPTION	PREP CODE		Au FA g/tonne
248161	214	--	18.00

8815

ALL ASSAY DETERMINATIONS ARE PERFORMED OR SUPERVISED BY B.C. CERTIFIED ASSAYERS

CERTIFICATION : B.J. Twaites

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 : M584
Comments: CC: S. MCALLISTER

CERTIFICATE OF ANALYSIS A8826313

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
248173	205	238	70	1.50	< 0.2	30	170	< 0.5	< 2	2.59	< 0.5	18	128	70	3.32	< 10	< 1	0.08	10	1.48	567
248174	205	238	15	2.35	< 0.2	< 5	680	< 0.5	< 2	3.34	< 0.5	17	97	70	3.41	< 10	< 1	0.07	< 10	1.47	635
248175	205	238	40	1.44	< 0.2	10	150	< 0.5	< 2	3.13	< 0.5	19	120	54	3.22	< 10	< 1	0.05	< 10	1.70	673
248176	205	238	30	1.36	< 0.2	5	20	< 0.5	< 2	5.17	< 0.5	15	102	49	3.16	< 10	< 1	0.06	< 10	1.67	817
248177	205	238	10	1.34	< 0.2	10	40	< 0.5	< 2	1.73	< 0.5	14	121	34	2.67	< 10	< 1	0.05	10	1.34	484
248178	205	238	5	1.62	< 0.2	25	160	< 0.5	< 2	2.28	< 0.5	15	112	31	2.73	< 10	< 1	0.08	10	1.35	548
248179	205	238	80	1.37	< 0.2	35	200	< 0.5	< 2	4.92	< 0.5	18	92	40	2.84	< 10	< 1	0.08	< 10	1.20	813
248180	205	238	30	1.59	< 0.2	35	1000	< 0.5	< 2	5.55	< 0.5	16	93	42	3.30	< 10	< 1	0.08	< 10	1.50	911
248181	205	238	310	1.62	< 0.2	220	140	0.5	< 2	4.88	< 0.5	17	94	44	3.90	< 10	< 1	0.10	< 10	1.91	867
248182	205	238	425	1.33	< 0.2	350	300	< 0.5	< 2	5.46	< 0.5	17	60	46	3.48	< 10	< 1	0.10	< 10	1.26	785
248183	205	238	10	1.54	< 0.2	< 5	420	0.5	< 2	3.94	< 0.5	15	77	33	3.56	< 10	< 1	0.04	< 10	1.81	708
248184	205	238	45	1.56	< 0.2	10	250	0.5	< 2	4.55	< 0.5	20	85	63	3.64	< 10	< 1	0.07	< 10	1.60	806
248185	205	238	395	1.23	< 0.2	15	50	0.5	< 2	4.48	< 0.5	16	61	82	3.59	< 10	< 1	0.15	< 10	1.29	663
248186	205	238	45	0.89	< 0.2	20	50	0.5	< 2	4.02	< 0.5	15	42	106	3.21	< 10	2	0.12	< 10	1.05	574
248187	205	238	40	0.83	0.2	10	120	1.0	< 2	2.78	< 0.5	14	55	183	3.71	< 10	< 1	0.25	10	1.24	384
248188	205	238	85	1.07	0.2	25	40	1.0	< 2	2.13	< 0.5	20	46	176	4.18	< 10	< 1	0.07	10	1.26	466
248189	205	238	40	0.96	< 0.2	90	20	0.5	< 2	3.00	< 0.5	17	36	121	3.34	< 10	< 1	0.08	< 10	1.17	421
248190	205	238	60	1.12	< 0.2	155	20	0.5	< 2	2.31	< 0.5	16	68	104	3.44	< 10	< 1	0.04	10	0.76	530
248191	205	238	10	1.10	< 0.2	80	40	0.5	< 2	2.37	< 0.5	14	49	125	3.07	< 10	2	0.13	10	0.82	370
248192	205	238	15	0.98	< 0.2	250	40	0.5	< 2	3.79	< 0.5	9	41	62	2.74	< 10	2	0.10	< 10	1.40	487
248193	205	238	45	1.09	< 0.2	55	90	0.5	< 2	2.47	< 0.5	9	47	52	2.65	< 10	< 1	0.19	10	1.06	378
248194	205	238	100	0.84	< 0.2	370	70	1.0	< 2	2.51	< 0.5	9	31	92	2.75	< 10	< 1	0.17	10	1.00	323
248195	205	238	55	0.45	< 0.2	80	40	0.5	< 2	1.48	< 0.5	9	16	125	3.21	< 10	< 1	0.11	10	0.61	250
248196 88-6	205	238	45	0.66	< 0.2	80	70	0.5	< 2	2.47	< 0.5	9	31	150	3.24	< 10	1	0.16	10	1.04	292
248197	205	238	45	0.74	< 0.2	100	80	0.5	< 2	2.51	< 0.5	9	42	136	3.35	< 10	< 1	0.18	10	1.09	321
248198	205	238	110	0.75	0.2	395	40	0.5	< 2	1.49	< 0.5	14	19	152	3.44	< 10	1	0.15	10	0.72	246
248199	205	238	45	0.76	0.2	965	310	0.5	< 2	2.32	< 0.5	17	39	134	4.31	< 10	3	0.11	< 10	1.03	347
248200	205	238	120	0.66	0.4	1250	40	0.5	< 2	2.22	< 0.5	17	33	158	3.84	< 10	< 1	0.16	10	1.05	303
248201	205	238	85	0.87	0.2	720	20	0.5	< 2	1.78	< 0.5	17	44	66	3.71	< 10	1	0.15	10	0.79	367
248202	205	238	365	1.05	0.2	710	10	1.0	< 2	1.12	< 0.5	20	42	126	4.61	< 10	1	0.15	10	0.54	396
248203	205	238	275	0.90	0.2	455	20	0.5	< 2	1.83	< 0.5	16	43	101	3.96	< 10	< 1	0.11	10	0.81	438
248204	205	238	215	1.13	0.2	225	20	1.0	< 2	2.40	< 0.5	19	76	65	3.89	< 10	< 1	0.07	< 10	1.26	535
248205	205	238	40	1.45	< 0.2	260	20	0.5	< 2	3.31	< 0.5	18	79	59	4.03	< 10	< 1	0.08	< 10	1.73	581
248206	205	238	15	0.78	0.2	4520	80	0.5	< 2	1.88	< 0.5	13	38	124	3.15	< 10	< 1	0.33	10	0.77	321
248207	205	238	50	0.41	0.2	3020	50	0.5	< 2	2.37	< 0.5	13	14	151	3.54	< 10	< 1	0.18	10	0.88	392
248208	205	238	1150	0.51	0.2	175	60	0.5	< 2	2.09	< 0.5	13	25	124	2.58	< 10	2	0.19	10	0.76	310
248209	205	238	10	0.61	< 0.2	335	70	1.0	< 2	3.23	< 0.5	15	19	140	3.48	< 10	2	0.27	< 10	1.21	442
248210	205	238	75	0.41	0.4	6450	40	0.5	< 2	2.17	< 0.5	15	20	107	2.99	< 10	< 1	0.24	10	0.79	408
248211	205	238	1100	0.81	3.2	3500	40	1.5	< 2	1.74	8.0	31	35	596	5.79	< 10	6	0.35	10	0.58	283
248212	205	238	130	0.51	< 0.2	155	10	0.5	< 2	1.60	< 0.5	14	100	21	2.59	< 10	< 1	0.05	< 10	0.82	432

CERTIFICATION : B. Cuglin

Chemex Labs Ltd.
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To: CHEVRON CANADA RESOURCES LTD.
MINERALS STAFF
1900 - 1055 W. HASTINGS ST.
VANCOUVER, B.C.
V6E 2E9
Project : M584
Comments: CC: S. MCALLISTER

Date : NOV-88
Invoice # : A8826313
P.O. # : 36931

CERTIFICATE OF ANALYSIS A8826313

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
248173	205 238	< 1	0.09	23	700	< 2	< 5	7	270	0.07	< 10	< 10	83	< 5	40
248174	205 238	< 1	0.05	26	690	< 2	< 5	8	504	< 0.01	< 10	< 10	84	< 5	51
248175	205 238	< 1	0.05	24	710	< 2	< 5	8	302	< 0.01	< 10	< 10	86	< 5	48
248176	205 238	< 1	0.04	17	680	< 2	< 5	8	242	< 0.01	< 10	< 10	78	< 5	46
248177	205 238	< 1	0.07	23	740	< 2	< 5	6	96	0.14	< 10	< 10	84	< 5	40
248178	205 238	< 1	0.07	32	710	< 2	< 5	8	177	0.07	< 10	< 10	88	< 5	48
248179	205 238	< 1	0.04	28	700	< 2	< 5	8	206	< 0.01	< 10	< 10	78	< 5	45
248180	205 238	< 1	0.03	24	670	< 2	5	8	197	< 0.01	< 10	< 10	81	< 5	47
248181	205 238	< 1	0.03	23	630	< 2	5	8	186	< 0.01	< 10	< 10	77	< 5	45
248182	205 238	< 1	0.02	25	660	< 2	5	7	238	< 0.01	< 10	< 10	63	< 5	48
248183	205 238	< 1	0.05	24	700	< 2	< 5	8	478	< 0.01	< 10	< 10	70	< 5	49
248184	205 238	< 1	0.04	25	730	< 2	< 5	10	372	< 0.01	< 10	< 10	90	< 5	53
248185	205 238	< 1	0.03	22	720	< 2	5	7	140	< 0.01	< 10	< 10	70	< 5	44
248186	205 238	< 1	0.04	9	730	< 2	< 5	6	132	< 0.01	< 10	< 10	60	< 5	37
248187	205 238	< 1	0.04	7	690	< 2	< 5	6	137	< 0.01	< 10	< 10	56	< 5	38
248188	205 238	< 1	0.02	9	790	< 2	< 5	6	133	< 0.01	< 10	< 10	67	< 5	42
248189	205 238	< 1	< 0.01	7	630	< 2	5	6	109	< 0.01	< 10	< 10	52	< 5	34
248190	205 238	1	< 0.01	15	800	2	10	9	94	< 0.01	< 10	< 10	74	< 5	43
248191	205 238	< 1	< 0.01	5	680	< 2	5	5	85	< 0.01	< 10	< 10	49	< 5	27
248192	205 238	< 1	0.01	5	550	< 2	5	5	169	< 0.01	< 10	< 10	47	< 5	25
248193	205 238	< 1	0.01	1	650	< 2	5	5	98	< 0.01	< 10	< 10	46	< 5	26
248194	205 238	< 1	0.01	4	590	< 2	5	4	120	< 0.01	< 10	< 10	42	< 5	26
248195	205 238	< 1	< 0.01	3	680	< 2	5	4	59	< 0.01	< 10	< 10	43	< 5	26
248196	205 238	< 1	0.01	1	600	2	10	4	112	< 0.01	< 10	< 10	41	< 5	28
248197	205 238	< 1	0.01	3	590	< 2	15	4	125	< 0.01	< 10	< 10	42	< 5	28
248198	205 238	< 1	0.01	5	560	< 2	35	4	85	< 0.01	< 10	< 10	43	< 5	29
248199	205 238	< 1	0.01	25	510	< 2	45	7	117	< 0.01	< 10	< 10	62	< 5	38
248200	205 238	< 1	0.01	18	560	8	50	5	100	< 0.01	< 10	< 10	48	< 5	50
248201	205 238	< 1	< 0.01	51	650	< 2	20	8	69	< 0.01	< 10	< 10	71	< 5	55
248202	205 238	< 1	< 0.01	43	660	< 2	25	9	59	< 0.01	< 10	< 10	79	< 5	53
248203	205 238	< 1	< 0.01	41	500	< 2	15	9	97	< 0.01	< 10	< 10	70	< 5	41
248204	205 238	< 1	0.01	60	560	< 2	10	10	110	< 0.01	< 10	< 10	76	< 5	42
248205	205 238	< 1	0.01	56	550	< 2	20	10	182	< 0.01	< 10	< 10	83	< 5	45
248206	205 238	< 1	0.01	5	570	< 2	130	4	67	< 0.01	< 10	< 10	24	< 5	35
248207	205 238	< 1	< 0.01	6	650	4	80	4	82	< 0.01	< 10	< 10	21	< 5	37
248208	205 238	< 1	0.01	6	650	4	25	3	62	< 0.01	< 10	< 10	32	< 5	28
248209	205 238	< 1	0.01	6	640	< 2	25	4	87	< 0.01	< 10	< 10	28	< 5	28
248210	205 238	< 1	< 0.01	19	510	8	100	3	71	< 0.01	< 10	< 10	16	< 5	133
248211	205 238	< 1	< 0.01	57	2340	1000	85	4	70	< 0.01	< 10	< 10	27	< 5	1730
248212	205 238	< 1	< 0.01	29	320	2	5	7	70	< 0.01	< 10	< 10	46	< 5	36

CERTIFICATION : B. Caughlin

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To: CHEVRON CANADA RESOURCES LTD.
MINERALS STAFF
1900 - 1055 W. HASTINGS ST.
VANCOUVER, B.C.
V6E 2E9
Project : M584
Comments: CC: S MCALLISTER

Page No. : 1-A
Tot. Pages :
Date : -NOV-88
Invoice # : I-8826313
P.O. # : 36931

CERTIFICATE OF ANALYSIS A8826313

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
248213	205	238	70	0.57	< 0.2	115	20	0.5	< 2	2.55	< 0.5	16	85	6	3.72	< 10	< 1	0.08	< 10	1.31	709
248214	205	238	20	0.96	< 0.2	125	20	0.5	< 2	2.78	< 0.5	17	95	13	3.84	< 10	< 1	0.10	< 10	1.35	786
248215	205	238	45	1.18	< 0.2	225	20	0.5	< 2	2.61	< 0.5	18	85	31	4.23	< 10	3	0.11	< 10	1.28	800
248216	205	238	70	1.08	< 0.2	405	10	0.5	< 2	2.05	< 0.5	19	73	93	4.48	< 10	1	0.06	< 10	1.03	676
248217	205	238	65	1.26	< 0.2	295	30	0.5	< 2	3.43	< 0.5	14	61	57	3.98	< 10	1	0.13	< 10	1.65	733
248218	205	238	80	1.17	< 0.2	435	30	0.5	< 2	2.74	< 0.5	12	47	56	3.29	< 10	4	0.13	< 10	1.22	576
248219	205	238	345	1.26	0.2	470	20	0.5	< 2	1.34	< 0.5	25	58	173	5.37	< 10	4	0.07	10	0.77	667
248220	205	238	280	0.95	< 0.2	90	30	0.5	< 2	4.60	< 0.5	19	146	23	4.56	< 10	1	0.07	< 10	2.43	1090
248221	205	238	40	1.03	< 0.2	455	20	0.5	< 2	1.98	< 0.5	24	48	170	5.80	< 10	4	0.06	10	1.14	842
248222	205	238	30	0.94	< 0.2	195	20	0.5	< 2	2.24	< 0.5	19	43	81	4.50	< 10	< 1	0.05	< 10	1.35	840
248223	205	238	20	0.54	< 0.2	255	20	0.5	< 2	1.98	< 0.5	20	64	82	4.48	< 10	< 1	0.03	10	1.09	758
248224	205	238	35	0.97	< 0.2	230	20	0.5	< 2	2.36	< 0.5	20	70	89	4.66	< 10	2	0.03	< 10	1.38	890
248225	205	238	50	0.86	< 0.2	440	20	0.5	< 2	2.42	< 0.5	19	70	129	4.74	< 10	5	0.03	< 10	1.26	779
248226	205	238	25	1.09	0.4	400	10	0.5	< 2	1.66	< 0.5	20	59	122	4.51	< 10	5	0.05	10	0.89	660
248227	205	238	40	0.95	0.2	275	30	0.5	< 2	2.40	< 0.5	15	70	102	3.59	< 10	6	0.09	< 10	1.16	577
248228	205	238	70	0.64	0.2	365	30	0.5	< 2	2.45	< 0.5	14	71	118	3.36	< 10	3	0.13	< 10	1.07	542
248229	205	238	135	1.36	0.4	920	40	0.5	< 2	0.36	< 0.5	12	17	123	3.29	< 10	9	0.13	10	0.21	298
248230	205	238	30	1.12	0.2	400	30	0.5	< 2	1.95	0.5	12	26	143	3.86	< 10	5	0.10	10	0.88	560
248231	205	238	350	1.05	0.6	650	30	0.5	< 2	1.95	< 0.5	13	31	199	3.57	< 10	1	0.14	10	0.98	461
248232	205	238	15	1.07	0.2	120	30	0.5	< 2	3.32	< 0.5	15	25	167	3.89	< 10	1	0.09	< 10	1.60	572
248233	205	238	15	0.79	< 0.2	140	40	0.5	< 2	4.56	< 0.5	17	109	< 1	3.97	< 10	< 1	0.05	< 10	2.29	850
248234	205	238	< 5	0.72	< 0.2	95	20	0.5	< 2	3.21	< 0.5	20	110	< 1	4.25	< 10	1	0.05	< 10	1.81	936
248235	205	238	20	0.70	< 0.2	275	20	0.5	< 2	3.18	< 0.5	21	89	14	3.76	< 10	< 1	0.11	< 10	1.58	877
248236	205	238	695	0.76	< 0.2	2020	20	0.5	< 2	2.67	< 0.5	31	60	85	3.72	< 10	1	0.16	< 10	1.37	627
248237	205	238	30	0.69	< 0.2	320	20	0.5	< 2	2.70	< 0.5	20	86	6	4.49	< 10	< 1	0.16	< 10	1.65	905
248238	205	238	110	0.79	< 0.2	250	30	0.5	< 2	4.39	9.0	17	107	35	4.09	< 10	< 1	0.09	< 10	2.23	911
248239	205	238	1700	0.64	0.2	190	20	0.5	< 2	2.72	6.5	29	96	77	5.00	< 10	< 1	0.09	< 10	1.69	879
248240	205	238	15	0.59	< 0.2	100	10	0.5	< 2	1.87	< 0.5	25	91	40	4.02	< 10	< 1	0.08	10	1.24	696
248241	205	238	30	0.69	< 0.2	135	20	0.5	< 2	2.85	< 0.5	18	82	31	3.59	< 10	< 1	0.08	< 10	1.48	680
248242	205	238	50	0.68	< 0.2	805	10	0.5	< 2	1.51	< 0.5	21	82	61	3.84	< 10	2	0.13	10	0.83	736
248243	205	238	300	0.71	< 0.2	1345	10	0.5	< 2	2.60	< 0.5	17	99	21	3.95	< 10	< 1	0.07	< 10	1.27	886
248244	205	238	160	0.57	< 0.2	1685	50	0.5	< 2	3.16	< 0.5	12	61	102	5.00	< 10	< 1	0.25	< 10	2.04	1165
248245	205	238	845	0.61	0.6	4020	30	0.5	< 2	2.52	6.5	17	68	238	5.16	< 10	1	0.23	< 10	1.32	950
248246	205	238	120	0.63	< 0.2	645	20	0.5	< 2	3.17	0.5	16	99	129	4.62	< 10	2	0.18	< 10	1.32	1020
248247	205	238	640	0.81	< 0.2	165	20	0.5	< 2	2.28	< 0.5	37	123	123	6.00	< 10	< 1	0.07	< 10	1.46	1125
248248	205	238	70	0.81	< 0.2	270	30	0.5	< 2	3.92	< 0.5	20	156	25	4.86	< 10	< 1	0.05	< 10	2.23	1170
248249	205	238	70	0.83	< 0.2	70	40	0.5	< 2	4.50	< 0.5	15	140	6	4.55	< 10	< 1	0.07	< 10	2.77	1155
248250	205	238	35	0.76	< 0.2	80	30	0.5	< 2	4.72	< 0.5	15	138	11	4.33	< 10	< 1	0.05	< 10	2.65	1020
248251	205	238	130	0.77	< 0.2	220	40	0.5	< 2	5.13	< 0.5	22	132	81	5.56	< 10	< 1	0.07	< 10	2.56	1035
248252	205	238	50	0.75	< 0.2	95	30	0.5	< 2	4.61	< 0.5	20	130	25	4.27	< 10	< 1	0.07	< 10	2.47	911

CERTIFICATION : B. Caplin

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CERTIFICATE OF ANALYSIS A8826313

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
248213	205	238	< 1	0.01	28	430	< 2	5	11	113	< 0.01	< 10	< 10	68	< 5	49
248214	205	238	< 1	0.01	26	510	2	5	13	125	< 0.01	< 10	< 10	75	< 5	51
248215	205	238	< 1	0.01	37	540	2	15	14	108	< 0.01	< 10	< 10	78	< 5	56
248216	205	238	1	< 0.01	36	490	< 2	30	13	81	< 0.01	< 10	< 10	70	< 5	59
248217	205	238	< 1	0.01	20	490	6	20	11	135	< 0.01	< 10	< 10	65	< 5	47
248218	205	238	< 1	0.01	12	460	2	25	7	116	< 0.01	< 10	< 10	55	< 5	36
248219	205	238	1	< 0.01	26	620	8	40	13	58	< 0.01	< 10	< 10	79	< 5	88
248220	205	238	< 1	0.01	23	530	< 2	5	16	232	< 0.01	< 10	< 10	92	< 5	92
248221	205	238	1	< 0.01	24	650	6	30	15	84	< 0.01	< 10	< 10	85	< 5	85
248222	205	238	2	< 0.01	18	640	< 2	15	14	99	< 0.01	< 10	< 10	78	< 5	76
248223	205	238	4	< 0.01	14	530	2	15	13	73	< 0.01	< 10	< 10	71	< 5	66
248224	205	238	1	0.01	14	560	< 2	15	14	87	< 0.01	< 10	< 10	79	< 5	69
248225	205	238	1	< 0.01	16	500	6	30	13	92	< 0.01	< 10	< 10	73	< 5	71
248226	205	238	< 1	< 0.01	14	550	< 2	25	13	64	< 0.01	< 10	< 10	72	< 5	78
248227	205	238	1	0.01	9	400	< 2	25	9	98	< 0.01	< 10	< 10	52	< 5	52
248228	205	238	1	0.01	10	350	< 2	25	8	117	< 0.01	< 10	< 10	42	< 5	59
248229	205	238	< 1	0.01	5	540	< 2	35	5	253	< 0.01	< 10	< 10	40	< 5	62
248230	205	238	1	0.01	8	740	< 2	15	7	84	< 0.01	< 10	< 10	60	< 5	121
248231	205	238	< 1	< 0.01	7	730	< 2	5	6	83	< 0.01	< 10	< 10	54	< 5	85
248232	205	238	< 1	0.01	4	690	< 2	5	6	176	< 0.01	< 10	< 10	58	< 5	80
248233	205	238	< 1	0.01	32	450	< 2	10	15	210	< 0.01	< 10	< 10	79	< 5	67
248234	205	238	< 1	0.01	46	500	< 2	5	16	134	< 0.01	< 10	< 10	79	< 5	90
248235	205	238	< 1	0.01	43	570	< 2	5	12	101	< 0.01	< 10	< 10	63	< 5	85
248236	205	238	2	< 0.01	38	530	< 2	25	9	95	< 0.01	< 10	< 10	48	< 5	73
248237	205	238	< 1	0.01	38	530	< 2	10	12	136	< 0.01	< 10	< 10	72	< 5	102
248238	205	238	< 1	0.01	36	540	< 2	10	13	264	< 0.01	< 10	< 10	79	< 5	1155
248239	205	238	< 1	0.01	47	570	< 2	15	13	166	< 0.01	< 10	< 10	77	< 5	588
248240	205	238	< 1	< 0.01	48	590	< 2	10	12	64	< 0.01	< 10	< 10	66	< 5	99
248241	205	238	< 1	< 0.01	38	570	< 2	5	12	83	< 0.01	< 10	< 10	60	< 5	86
248242	205	238	< 1	< 0.01	47	560	< 2	15	12	51	< 0.01	< 10	< 10	56	< 5	139
248243	205	238	< 1	< 0.01	47	520	< 2	5	12	78	< 0.01	< 10	< 10	64	< 5	129
248244	205	238	< 1	< 0.01	48	520	< 2	30	11	106	< 0.01	< 10	< 10	33	< 5	274
248245	205	238	6	< 0.01	53	530	< 2	60	11	83	< 0.01	< 10	< 10	41	< 5	1290
248246	205	238	4	< 0.01	33	800	< 2	15	14	95	< 0.01	< 10	< 10	56	< 5	218
248247	205	238	< 1	0.01	26	650	< 2	10	14	94	< 0.01	< 10	< 10	77	< 5	117
248248	205	238	< 1	0.01	34	650	< 2	5	17	168	< 0.01	< 10	< 10	93	< 5	105
248249	205	238	< 1	0.01	18	570	< 2	5	15	194	< 0.01	< 10	< 10	90	< 5	98
248250	205	238	< 1	0.01	20	520	< 2	5	14	198	< 0.01	< 10	< 10	89	< 5	92
248251	205	238	< 1	0.01	26	450	< 2	15	14	276	< 0.01	< 10	< 10	85	< 5	95
248252	205	238	< 1	0.01	19	520	< 2	5	14	205	< 0.01	< 10	< 10	82	< 5	88

CERTIFICATION : B. Caughlin

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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 : M584
Comments: CC: S MCALLISTER

Page No. : 1-A
Tot. Pa:
Date : 4-NOV-88
Invoice # : I-8826313
P.O. # : 36931

CERTIFICATE OF ANALYSIS A8826313

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
248253	205	238	10	0.75	< 0.2	70	30	0.5	< 2	3.77	< 0.5	19	128	20	4.56	< 10	< 1	0.05	< 10	2.23	1060

8826

CERTIFICATION : B. Caughlin

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VANCOUVER, B.C.
V6E 2E9
Project : MS84
Comments: CC: S MCALLISTER

CERTIFICATE OF ANALYSIS A8826313

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
248253	205	238	< 1	0.01	21	550	< 2	5	15	170	< 0.01	< 10	< 10	90	< 5	94

886

CERTIFICATION : B. Cook

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Project : M 584
Comments: CC: S MCALLISTER

Page No. : 1-A
Tot. Pages: 1
Date : NOV-88
Invoice # : 6826068
P.O. # : 36935

CERTIFICATE OF ANALYSIS A8826068

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
248159	205	238	300	2.49	< 0.2	265	20	< 0.5	< 2	1.97	< 0.5	37	74	459	8.84	20	< 1	0.13	10	2.54	666
248160	205	238	500	0.87	< 0.2	100	30	< 0.5	4	1.42	< 0.5	24	38	134	6.31	10	< 1	0.09	10	1.22	596
248161	205	238	>10000	0.83	1.2	500	30	< 0.5	40	1.21	< 0.5	86	36	699	9.41	10	< 1	0.17	20	0.91	333
248162	205	238	180	0.84	< 0.2	95	40	< 0.5	< 2	2.44	< 0.5	26	43	196	6.21	10	< 1	0.14	10	1.71	512
248163	205	238	100	1.25	< 0.2	20	40	< 0.5	2	2.00	< 0.5	18	43	131	6.60	10	< 1	0.08	10	2.00	517
248164	205	238	< 5	0.94	< 0.2	260	10	< 0.5	< 2	0.17	< 0.5	9	55	260	7.67	< 10	1	0.07	10	0.05	176
248165	205	238	15	4.88	< 0.2	30	210	< 0.5	2	2.10	< 0.5	17	67	60	4.19	10	< 1	0.47	10	2.18	367
248166	205	238	< 5	1.85	< 0.2	205	250	< 0.5	2	2.81	< 0.5	18	35	40	3.67	10	< 1	0.55	< 10	1.40	327
248167	205	238	10	2.15	< 0.2	200	110	< 0.5	< 2	2.85	< 0.5	16	38	37	3.32	< 10	1	0.52	< 10	1.31	265
248168	205	238	45	2.69	< 0.2	35	110	< 0.5	< 2	2.75	< 0.5	21	51	70	3.97	10	< 1	0.59	< 10	1.40	386
248169	205	238	75	1.41	< 0.2	7600	60	< 0.5	2	3.50	< 0.5	17	29	32	2.52	< 10	1	0.42	< 10	0.32	369
248170	205	238	30	3.38	< 0.2	385	120	< 0.5	4	2.65	< 0.5	24	66	154	4.74	10	< 1	0.49	< 10	1.99	581
248171	205	238	10	1.74	< 0.2	35	110	< 0.5	2	2.09	< 0.5	16	86	81	3.30	10	2	0.06	< 10	1.89	456
248172	205	238	< 5	3.92	< 0.2	50	240	< 0.5	6	1.32	< 0.5	16	92	16	4.08	10	< 1	0.93	10	2.28	377

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To: CHEVRON CANADA RESOURCES LTD.
MINERALS STAFF
1900 - 1055 W. HASTINGS ST.
VANCOUVER, B.C.
V6E 2E9
Project : M 584
Comments: CC: S. MCALLISTER

CERTIFICATE OF ANALYSIS A8826068

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
248159	205	238	< 1	0.02	25	750	< 2	< 5	15	86	< 0.01	< 10	< 10	95	< 5	62
248160	205	238	< 1	< 0.01	17	820	< 2	< 5	15	94	< 0.01	< 10	< 10	84	< 5	60
248161	205	238	< 1	< 0.01	35	740	< 2	10	12	76	< 0.01	< 10	< 10	66	690	52
248162	205	238	< 1	0.01	18	780	4	< 5	15	182	< 0.01	< 10	< 10	83	10	58
248163	205	238	< 1	0.01	16	740	< 2	< 5	12	177	< 0.01	< 10	< 10	84	< 5	58
248164	205	238	< 1	< 0.01	27	710	< 2	5	21	31	< 0.01	< 10	< 10	99	< 5	72
248165	205	238	< 1	0.08	32	710	< 2	< 5	14	130	0.16	< 10	< 10	123	< 5	31
248166	205	238	< 1	0.03	32	670	< 2	5	11	114	0.03	< 10	< 10	63	< 5	21
248167	205	238	< 1	0.05	34	1050	< 2	5	10	102	0.02	< 10	< 10	68	< 5	25
248168	205	238	24	0.09	36	650	< 2	5	10	87	0.03	< 10	< 10	80	< 5	48
248169	205	238	< 1	0.01	34	600	< 2	105	6	68	< 0.01	< 10	< 10	29	< 5	47
248170	205	238	< 1	0.19	49	1920	< 2	20	12	89	0.09	< 10	< 10	106	< 5	42
248171	205	238	< 1	0.06	24	760	< 2	< 5	8	176	0.12	< 10	< 10	96	< 5	41
248172	205	238	< 1	0.25	33	730	< 2	5	13	120	0.10	< 10	< 10	123	5	37

CERTIFICATION : B. Caughlin

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To: CHEVRON CANADA RESOURCES LTD.
MINERALS STAFF
1900 - 1055 W. HASTINGS ST.
VANCOUVER, B.C.
V6E 2E9
Project : M584
Comments: ATTN: SANDY MCALLISTER

Page No. : 1-A
Tot. P
Date : 26-OCT-88
Invoice # : I-8825917
P.O. # : 36929

CERTIFICATE OF ANALYSIS A8825917

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
248125	205 238	< 5	0.94	< 0.2	5060	40	< 0.5	< 2	2.70	< 0.5	20	48	160	4.91	10	4	0.18	10	0.12	72
248126	205 238	15	0.89	< 0.2	2200	140	< 0.5	4	2.31	< 0.5	14	36	176	4.95	10	1	0.25	10	0.53	56
248127	205 238	< 5	0.97	< 0.2	1460	20	< 0.5	< 2	0.71	< 0.5	20	66	180	5.76	< 10	5	0.15	20	0.07	430
248128	205 238	45	0.80	< 0.2	4060	30	< 0.5	2	1.35	< 0.5	12	38	106	3.97	< 10	2	0.23	20	0.43	470
248129	205 238	55	0.89	< 0.2	3870	30	< 0.5	< 2	0.67	< 0.5	21	34	279	6.88	< 10	4	0.28	20	0.09	564
248130	205 238	< 5	0.91	< 0.2	925	20	< 0.5	2	0.68	< 0.5	28	57	419	7.74	< 10	1	0.19	10	0.39	595
248131	205 238	20	0.98	0.2	210	50	< 0.5	14	0.91	< 0.5	51	65	889	10.10	10	5	0.32	20	0.53	446
248132	205 238	15	0.94	0.4	605	50	< 0.5	< 2	0.24	< 0.5	35	58	705	8.78	< 10	< 1	0.26	10	0.08	261
248133	205 238	185	0.83	< 0.2	1295	60	< 0.5	< 2	0.67	< 0.5	18	9	281	4.66	< 10	1	0.22	10	0.30	251
248134	205 238	100	0.95	< 0.2	255	70	< 0.5	2	2.38	< 0.5	32	45	460	6.73	10	2	0.26	10	1.16	430
248135	205 238	10	0.60	< 0.2	105	40	< 0.5	8	2.59	< 0.5	22	51	329	5.97	10	3	0.19	10	1.46	633
248136	205 238	100	0.81	< 0.2	855	30	< 0.5	6	2.06	< 0.5	18	67	123	5.30	10	5	0.12	10	0.89	801
248137	205 238	< 5	0.62	< 0.2	95	210	< 0.5	4	4.08	< 0.5	18	47	47	4.54	10	2	0.08	< 10	2.22	954
248138	205 238	< 5	1.11	< 0.2	85	130	< 0.5	2	5.74	< 0.5	20	71	34	4.12	10	< 1	0.08	< 10	2.67	878
248139	205 238	< 5	0.73	< 0.2	115	30	< 0.5	10	3.51	< 0.5	19	49	62	4.55	10	1	0.08	< 10	1.66	847
248140	205 238	< 5	2.19	< 0.2	190	40	< 0.5	< 2	3.24	< 0.5	18	75	128	5.31	20	1	0.14	10	2.72	744
248141	205 238	15	1.17	< 0.2	55	30	< 0.5	2	1.85	< 0.5	22	56	206	5.51	10	< 1	0.12	20	1.50	480
248142	205 238	< 5	1.08	< 0.2	205	40	< 0.5	2	2.06	< 0.5	11	32	189	3.60	10	1	0.20	20	0.78	299
248143	205 238	25	0.67	< 0.2	215	340	< 0.5	4	2.49	< 0.5	11	28	181	3.75	10	3	0.26	10	0.89	319
248144	205 238	15	0.90	< 0.2	290	90	< 0.5	4	3.01	< 0.5	16	50	219	3.89	10	5	0.33	10	0.92	353
248145	205 238	< 5	1.07	< 0.2	195	30	< 0.5	10	2.84	< 0.5	17	62	99	5.27	10	4	0.09	10	1.43	627
248146	205 238	< 5	0.85	< 0.2	75	30	< 0.5	< 2	5.22	< 0.5	15	61	28	4.43	10	1	0.06	< 10	2.75	778
248147	205 238	115	1.31	< 0.2	100	30	< 0.5	< 2	3.21	< 0.5	20	68	16	5.22	10	1	0.11	10	1.95	807
248148	205 238	15	1.06	< 0.2	235	40	< 0.5	< 2	3.14	< 0.5	19	73	44	5.18	10	1	0.20	10	0.59	744
248149	205 238	330	1.01	< 0.2	2450	30	< 0.5	6	2.65	< 0.5	27	67	50	5.52	10	< 1	0.09	10	1.11	755
248150	205 238	1550	1.00	< 0.2	5390	30	< 0.5	< 2	3.16	< 0.5	43	60	55	5.64	10	2	0.08	10	1.74	721
248151	205 238	700	1.30	< 0.2	2110	40	< 0.5	4	3.22	< 0.5	24	64	137	6.02	10	< 1	0.14	10	1.60	768
248152	205 238	150	0.79	< 0.2	145	40	< 0.5	4	4.70	< 0.5	16	75	21	4.72	10	1	0.06	< 10	2.40	856
248153	205 238	< 5	1.07	< 0.2	110	30	< 0.5	< 2	3.20	< 0.5	17	59	15	4.75	10	< 1	0.08	10	1.76	762
248154	205 238	15	0.95	< 0.2	170	40	< 0.5	< 2	4.21	< 0.5	17	62	8	4.47	10	< 1	0.08	< 10	2.44	757
248155	205 238	310	1.04	< 0.2	85	30	< 0.5	4	3.39	< 0.5	693	61	51	4.60	10	< 1	0.08	< 10	1.81	760
248156	205 238	15	1.00	< 0.2	75	40	< 0.5	< 2	4.10	< 0.5	21	62	1	4.62	10	< 1	0.04	< 10	2.21	841
248157	205 238	150	1.10	< 0.2	65	30	< 0.5	< 2	3.88	< 0.5	26	64	26	5.33	10	< 1	0.04	< 10	2.01	1045
248158	205 238	< 5	1.35	< 0.2	40	30	< 0.5	2	2.49	< 0.5	19	46	22	4.75	10	< 1	0.10	10	1.61	699

88-5

CERTIFICATION : B. Caughlin

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CHEVRON CANADA RESOURCES LTD.
MINERALS STAFF
1900 - 1055 W. HASTINGS ST.
VANCOUVER, B.C.
V6E 2E9
Project : M584
Comments: CC: SANDY MCALLISTER

Date : 26-OCT-88
Invoice # : I-8825917
P.O. # : 36929

CERTIFICATE OF ANALYSIS A8825917

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
248125	205	238	< 1	< 0.01	17	660	< 2	205	11	36	< 0.01	10	< 10	69	10	82
248126	205	238	< 1	0.01	17	680	< 2	145	11	51	< 0.01	< 10	< 10	56	< 5	106
248127	205	238	< 1	< 0.01	40	800	< 2	65	15	18	< 0.01	< 10	< 10	85	< 5	98
248128	205	238	< 1	0.01	20	710	< 2	75	12	47	< 0.01	< 10	< 10	51	< 5	72
248129	205	238	< 1	0.01	40	720	< 2	135	14	26	< 0.01	< 10	< 10	38	< 5	98
248130	205	238	< 1	0.01	30	730	< 2	35	16	44	< 0.01	< 10	< 10	83	5	100
248131	205	238	48	< 0.01	38	580	< 2	10	15	53	< 0.01	10	< 10	86	10	71
248132	205	238	6	< 0.01	27	600	< 2	20	13	41	< 0.01	10	< 10	75	5	61
248133	205	238	< 1	< 0.01	3	580	2	5	4	27	< 0.01	10	< 10	43	< 5	39
248134	205	238	< 1	0.01	21	500	< 2	15	9	112	< 0.01	10	< 10	61	10	57
248135	205	238	< 1	0.01	30	660	8	5	14	110	< 0.01	< 10	< 10	74	10	67
248136	205	238	< 1	0.01	35	680	2	25	17	104	< 0.01	< 10	< 10	87	10	74
248137	205	238	< 1	0.02	34	660	< 2	5	16	227	< 0.01	< 10	< 10	72	5	69
248138	205	238	< 1	0.03	42	590	< 2	5	14	368	< 0.01	< 10	< 10	76	5	58
248139	205	238	< 1	0.02	42	690	< 2	5	15	231	< 0.01	10	< 10	73	10	60
248140	205	238	< 1	0.03	34	670	2	5	17	195	< 0.01	< 10	< 10	96	5	63
248141	205	238	< 1	0.03	34	660	4	5	15	142	< 0.01	< 10	< 10	75	< 5	60
248142	205	238	< 1	0.01	8	660	< 2	< 5	5	99	< 0.01	< 10	< 10	46	< 5	28
248143	205	238	< 1	0.01	11	660	18	15	4	127	< 0.01	< 10	< 10	38	5	29
248144	205	238	< 1	0.01	10	580	8	10	4	122	< 0.01	< 10	< 10	37	5	28
248145	205	238	< 1	0.01	38	680	4	5	16	107	< 0.01	< 10	< 10	86	< 5	64
248146	205	238	< 1	0.01	30	410	4	5	15	269	< 0.01	< 10	< 10	71	5	50
248147	205	238	< 1	0 02	58	650	< 2	5	16	193	< 0.01	< 10	< 10	79	5	76
248148	205	238	< 1	0.01	46	620	< 2	10	15	80	< 0.01	< 10	< 10	78	< 5	61
248149	205	238	< 1	0.01	45	680	6	5	17	122	< 0.01	< 10	< 10	84	5	71
248150	205	238	< 1	0.01	42	660	< 2	5	15	163	< 0.01	< 10	< 10	78	10	65
248151	205	238	< 1	0.02	51	670	2	5	15	192	< 0.01	< 10	< 10	79	< 5	61
248152	205	238	< 1	0.01	38	480	2	< 5	16	225	< 0.01	< 10	< 10	78	5	61
248153	205	238	< 1	0.01	30	640	< 2	< 5	17	153	< 0.01	10	< 10	80	10	63
248154	205	238	< 1	0.01	27	560	< 2	5	15	232	< 0.01	10	10	75	5	57
248155	205	238	< 1	0.01	29	600	12	< 5	17	152	< 0.01	10	10	78	5	65
248156	205	238	< 1	0.01	25	610	< 2	< 5	17	202	< 0.01	10	< 10	82	10	67
248157	205	238	< 1	0.01	27	690	< 2	< 5	19	206	< 0.01	10	< 10	88	10	69
248158	205	238	< 1	0.02	22	650	< 2	< 5	15	162	< 0.01	< 10	< 10	75	< 5	64

58-5

CERTIFICATION : B. Caughlin

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

Project : M 584
Comments: CC: SANDY McALLISTER

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Invoice # : I-8825548
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CERTIFICATE OF ANALYSIS A8825548

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
248101	212 238	< 5	1.99	0.4	170	80	0.5	< 2	0.26	< 0.5	18	12	28	2.65	10	< 1	0.04	10	0.03	640
248102	212 238	< 5	0.81	< 0.2	10	50	< 0.5	< 2	4.78	< 0.5	9	4	30	3.01	< 10	< 1	0.04	< 10	0.33	685
248103	212 238	< 5	0.81	< 0.2	10	40	< 0.5	< 2	3.32	< 0.5	9	9	36	2.77	< 10	< 1	0.06	10	0.71	560
248104	212 238	< 5	1.19	< 0.2	20	60	< 0.5	< 2	3.21	< 0.5	10	6	41	3.08	< 10	1	0.09	10	0.84	627
248105	212 238	3320	1.81	1.4	4560	90	< 0.5	8	1.72	< 0.5	26	12	244	5.63	10	1	0.19	10	0.48	467
248106	212 238	45	1.82	0.2	55	50	< 0.5	< 2	2.16	< 0.5	14	14	72	3.78	10	1	0.07	10	0.96	597
248107	212 238	2200	2.51	2.8	5770	130	< 0.5	10	0.99	< 0.5	21	10	214	5.87	20	< 1	0.25	10	0.69	716
248108	212 238	55	2.01	0.2	115	60	< 0.5	6	1.77	< 0.5	13	13	65	3.59	10	< 1	0.09	10	1.00	614
248109	212 238	185	1.01	0.2	885	90	< 0.5	< 2	1.49	< 0.5	15	5	246	4.47	10	< 1	0.25	10	0.18	288
248110	212 238	10	2.04	1.0	225	70	< 0.5	< 2	0.34	< 0.5	26	57	252	5.33	10	< 1	0.12	10	0.07	716
248111	212 238	10	1.69	0.2	135	50	1.0	68	0.26	< 0.5	28	24	237	4.47	< 10	2	0.17	10	0.04	496
248112	212 238	15	0.90	< 0.2	445	30	1.0	< 2	0.22	< 0.5	17	39	172	4.77	< 10	5	0.09	< 10	0.04	364
248113	212 238	155	2.20	< 0.2	650	60	1.0	2	1.65	< 0.5	31	68	203	5.67	< 10	< 1	0.10	< 10	1.39	858
248114	212 238	5	1.13	< 0.2	75	40	1.5	< 2	0.30	< 0.5	22	9	251	3.93	< 10	< 1	0.13	10	0.23	287
248115	212 238	< 5	1.33	0.4	225	70	0.5	2	0.45	< 0.5	30	24	268	4.87	< 10	1	0.17	10	0.35	693
248116	212 238	< 5	1.48	< 0.2	230	20	1.0	2	0.28	< 0.5	26	57	329	7.60	< 10	3	0.24	10	0.06	392
248117	212 238	< 5	1.53	< 0.2	235	60	2.0	2	2.09	< 0.5	25	76	192	7.91	< 10	1	0.08	< 10	0.30	1480
248118	212 238	< 5	1.26	< 0.2	1425	110	0.5	4	0.34	< 0.5	33	90	197	7.61	< 10	5	0.08	10	0.07	1900
248119	212 238	< 5	1.42	< 0.2	895	70	1.0	4	0.21	< 0.5	20	60	289	7.40	< 10	1	0.25	10	0.07	664
248120	212 238	130	1.13	< 0.2	1355	90	1.0	6	0.23	< 0.5	24	3	299	3.85	< 10	2	0.29	10	0.05	522
248121	212 238	35	1.88	0.2	320	70	1.0	< 2	0.24	< 0.5	15	6	225	3.12	< 10	2	0.51	10	0.09	319
248122	212 238	25	1.59	< 0.2	2400	80	< 0.5	< 2	2.09	< 0.5	20	58	226	5.87	< 10	1	0.40	< 10	0.59	990
248123	212 238	5	1.62	0.2	835	40	< 0.5	< 2	2.45	< 0.5	32	48	370	6.08	< 10	1	0.44	< 10	0.82	592
248124	212 238	40	0.76	1.6	>10000	40	< 0.5	< 2	2.17	< 0.5	15	16	140	4.44	< 10	2	0.36	< 10	0.57	608

88-5

CERTIFICATION : B. Caplan

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 584
Comments: CC: SANDY McALLISTER

CERTIFICATE OF ANALYSIS A8825548

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
248101	212	238	< 1	0.01	6	890	< 2	5	7	9	< 0.01	< 10	< 10	71	< 5	36
248102	212	238	< 1	0.02	5	770	< 2	< 5	7	64	< 0.01	< 10	< 10	59	< 5	38
248103	212	238	< 1	0.04	5	750	< 2	< 5	7	125	< 0.01	< 10	< 10	59	< 5	31
248104	212	238	< 1	0.05	6	780	< 2	< 5	7	165	< 0.01	< 10	< 10	63	< 5	34
248105	212	238	< 1	0.05	7	790	46	10	7	70	< 0.01	< 10	< 10	66	< 5	80
248106	212	238	< 1	0.08	5	810	2	< 5	8	60	< 0.01	< 10	< 10	84	< 5	72
248107	212	238	< 1	0.03	5	810	456	5	6	49	< 0.01	< 10	< 10	69	< 5	305
248108	212	238	< 1	0.08	5	790	4	< 5	7	48	< 0.01	< 10	< 10	80	< 5	43
248109	212	238	< 1	0.02	4	890	2	20	4	19	< 0.01	< 10	< 10	43	< 5	46
248110	212	238	1	< 0.01	79	1010	4	10	13	14	< 0.01	< 10	< 10	96	< 5	75
248111	212	238	< 1	< 0.01	24	890	< 2	5	11	12	< 0.01	< 10	< 10	65	< 5	48
248112	212	238	1	< 0.01	45	770	2	20	12	18	< 0.01	< 10	< 10	62	< 5	68
248113	212	238	< 1	0.05	34	870	< 2	< 5	20	50	< 0.01	10	< 10	102	10	88
248114	212	238	< 1	0.01	13	780	< 2	5	6	14	< 0.01	< 10	< 10	53	< 5	43
248115	212	238	< 1	0.02	15	790	< 2	5	8	21	< 0.01	< 10	< 10	61	< 5	51
248116	212	238	< 1	< 0.01	43	950	6	15	19	14	< 0.01	< 10	< 10	94	< 5	94
248117	212	238	< 1	< 0.01	48	900	< 2	15	21	45	< 0.01	< 10	< 10	103	10	98
248118	212	238	< 1	< 0.01	72	1120	4	40	22	24	< 0.01	10	< 10	105	< 5	122
248119	212	238	< 1	0.01	38	780	< 2	20	11	26	< 0.01	< 10	< 10	67	5	86
248120	212	238	< 1	< 0.01	8	630	< 2	25	5	21	< 0.01	< 10	< 10	48	5	43
248121	212	238	< 1	0.01	5	670	8	10	4	21	< 0.01	< 10	< 10	35	< 5	29
248122	212	238	< 1	0.01	25	730	2	85	15	49	< 0.01	< 10	< 10	74	< 5	176
248123	212	238	< 1	0.01	38	820	< 2	70	15	66	< 0.01	< 10	< 10	61	< 5	75
248124	212	238	< 1	< 0.01	26	550	12	680	8	99	< 0.01	< 10	< 10	17	< 5	57

88-5

CERTIFICATION : B. Caplin

Chemex Labs Ltd.

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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 : MS84
Comments: ATT: S MCALLISTER

Page No - -A
Tot. P:
Date : 25-SEP-88
Invoice # : I-8823673
P.O. # : NONE

RUSH ROCKS.

CERTIFICATE OF ANALYSIS A8823673

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
248071H	256 238	190	0.96	0.2	760	40	< 0.5	< 2	0.37	< 0.5	10	18	173	4.61	< 10	1	0.08	10	0.25	311
248072H	256 238	15	0.52	0.4	300	70	< 0.5	< 2	0.23	< 0.5	20	25	313	4.42	< 10	2	0.20	10	0.04	230
248073H	256 238	10	1.62	0.2	140	50	< 0.5	< 2	3.35	< 0.5	20	63	116	4.12	< 10	1	0.29	10	1.21	531
248074H	256 238	25	0.89	0.2	1765	50	0.5	< 2	3.74	< 0.5	23	39	125	5.24	< 10	< 1	0.24	10	0.71	996
248075H	256 238	55	1.70	0.2	1230	40	< 0.5	< 2	5.40	< 0.5	25	50	37	4.75	< 10	< 1	0.25	10	1.42	974
248076H	256 238	40	0.98	0.2	2060	70	< 0.5	< 2	6.43	< 0.5	22	61	49	4.68	< 10	< 1	0.20	< 10	1.83	1100
248077H	256 238	80	1.45	0.2	465	50	0.5	< 2	5.17	< 0.5	26	75	68	4.73	< 10	1	0.14	10	2.18	1090
248078H	256 238	20	0.97	0.2	565	40	0.5	< 2	2.08	< 0.5	20	26	165	4.37	< 10	1	0.14	20	0.69	428
248079H	256 238	145	1.64	0.2	40	40	0.5	< 2	2.00	< 0.5	13	27	130	4.26	< 10	< 1	0.12	10	1.17	376
248080H	256 238	35	1.44	0.2	65	100	< 0.5	< 2	2.50	< 0.5	14	45	125	3.76	10	< 1	0.14	20	1.04	350

re-sampling 1987 drill holes

CERTIFICATION : B. Caughlin

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CHEVRON CANADA RESOURCES LTD.
MINERALS STAFF
1900 - 1055 W. HASTINGS ST.
VANCOUVER, B.C.
V6E 2E9
Project : MS84
Comments: CC: S MCALLISTER

Date : 25-SEP-88
Invoice # : I-8823673
P.O. # : NONE

CERTIFICATE OF ANALYSIS A8823673

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
248071H	256 238	1	0.03	5	740	< 2	10	7	49	< 0.01	< 10	< 10	60	< 5	36
248072H	256 238	4	0.01	12	1010	8	10	5	28	< 0.01	< 10	< 10	45	< 5	41
248073H	256 238	< 1	0.01	60	840	< 2	5	13	148	< 0.01	< 10	< 10	77	5	49
248074H	256 238	3	0.01	42	880	4	105	16	81	< 0.01	< 10	< 10	58	< 5	81
248075H	256 238	< 1	0.01	35	950	4	20	17	158	< 0.01	10	< 10	86	5	105
248076H	256 238	< 1	0.02	40	770	< 2	35	16	312	< 0.01	10	< 10	78	10	72
248077H	256 238	< 1	0.02	55	850	< 2	5	19	275	< 0.01	< 10	< 10	88	< 5	74
248078H	256 238	< 1	0.04	11	890	8	10	7	115	< 0.01	< 10	< 10	54	< 5	28
248079H	256 238	1	0.09	10	880	2	5	5	98	< 0.01	< 10	< 10	62	< 5	28
248080H	256 238	< 1	0.06	7	760	8	< 5	4	78	< 0.01	< 10	< 10	52	< 5	23

CERTIFICATION : B. Caglin

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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 : MSV
Comments: CC: S. MACALLISTER CC: T. E. LISLE

Page No. : 1
Tot. Pag
Date : 1-AUG-88
Invoice # : I-8819587
P.O. # : 36937

ROCKS

CERTIFICATE OF ANALYSIS A8819587

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
248008	212	238	100	0.27	0.2	1255	30	< 0.5	< 2	0.17	< 0.5	6	41	112	2.74	< 10	2	0.12	< 10	0.03	497
248009	212	238	10	0.87	< 0.2	600	80	< 0.5	< 2	0.19	< 0.5	10	40	47	2.83	< 10	1	0.03	< 10	0.03	502
248010	212	238	< 5	0.72	0.2	425	50	< 0.5	< 2	0.09	< 0.5	11	30	46	2.44	< 10	3	0.03	< 10	0.01	189
248011	212	238	150	1.04	< 0.2	485	60	< 0.5	< 2	0.18	< 0.5	17	61	93	4.64	< 10	< 1	0.05	10	0.02	882
248012	212	238	< 5	0.09	< 0.2	5	20	< 0.5	< 2	>15.00	< 0.5	2	6	10	0.16	< 10	< 1	< 0.01	< 10	0.61	48
248013	212	238	5	0.26	< 0.2	1355	70	< 0.5	< 2	7.62	0.5	9	18	12	2.81	< 10	1	0.12	< 10	0.94	623
248014	212	238	250	1.62	< 0.2	1065	30	< 0.5	< 2	4.52	< 0.5	56	34	299	6.95	< 10	12	0.13	< 10	1.45	944
248015	212	238	10	0.40	0.2	4500	40	< 0.5	< 2	0.53	1.5	3	15	34	1.73	< 10	105	0.13	10	0.08	261
248016	212	238	100	0.23	0.4	2830	820	< 0.5	< 2	0.36	0.5	3	17	18	1.84	< 10	18	0.13	10	0.01	404
248017	212	238	< 5	0.15	< 0.2	1855	190	< 0.5	< 2	0.45	0.5	1	30	32	1.29	< 10	38	0.03	< 10	0.01	194
248018	212	238	5	0.49	< 0.2	5360	110	< 0.5	< 2	0.36	2.0	6	19	18	1.69	< 10	84	0.07	< 10	0.02	259
248019	212	238	365	0.49	< 0.2	7510	760	< 0.5	< 2	0.29	3.0	9	33	42	3.23	< 10	173	0.03	< 10	0.02	289
248020	212	238	5	0.31	< 0.2	4000	150	< 0.5	2	0.41	1.0	2	17	11	1.40	< 10	78	0.11	< 10	0.02	217

CERTIFICATION : B.C.

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BRITISH COLUMBIA, CANADA V7J-2C1
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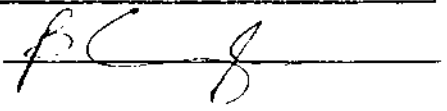
CHEVRON CANADA RESOURCES LTD.
MINERALS STAFF
1900 - 1055 W. HASTINGS ST.
VANCOUVER, B.C.
V6E 2E9
Project : M584
Comments: CC: S. MACALLISTER CC: T. E. LISLE

Date : 1-AUG-88
Invoice # : I-8819587
P.O. # : 36937

CERTIFICATE OF ANALYSIS A8819587

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
248008	212	238	1	< 0.01	23	210	34	3100	3	26	< 0.01	< 10	< 10	22	< 5	42
248009	212	238	< 1	< 0.01	54	430	6	95	7	39	< 0.01	< 10	< 10	50	< 5	44
248010	212	238	1	< 0.01	38	460	< 2	40	6	40	< 0.01	< 10	< 10	42	< 5	50
248011	212	238	< 1	< 0.01	62	870	8	50	11	15	< 0.01	< 10	< 10	65	< 5	80
248012	212	238	< 1	0.01	6	200	6	10	1	512	< 0.01	< 10	< 10	2	< 5	14
248013	212	238	< 1	< 0.01	14	400	38	>10000	7	130	< 0.01	< 10	< 10	14	< 5	33
248014	212	238	< 1	0.02	31	600	12	270	12	106	< 0.01	< 10	< 10	78	10	53
248015	212	238	< 1	< 0.01	5	390	18	9400	3	19	< 0.01	< 10	< 10	14	< 5	42
248016	212	238	< 1	0.01	10	150	22	6750	1	55	< 0.01	< 10	< 10	5	< 5	66
248017	212	238	< 1	< 0.01	16	50	134	>10000	1	77	< 0.01	< 10	< 10	3	< 5	42
248018	212	238	< 1	< 0.01	18	350	44	>10000	1	52	< 0.01	< 10	< 10	13	< 5	368
248019	212	238	< 1	< 0.01	30	200	22	>10000	3	53	< 0.01	< 10	< 10	15	< 5	91
248020	212	238	1	< 0.01	11	130	68	>10000	< 1	47	< 0.01	< 10	< 10	5	< 5	335

CERTIFICATION : 

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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 : MS44
Comments: CC: S McALLISTER

Page No. : 1-A
Tot. Pages :
Date : -SEP-88
Invoice # : I-8823244
P.O. # : 36927

ROCKS. - RUSH.

CERTIFICATE OF ANALYSIS A8823244

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
248051	256	238	< 5	3.35	< 0.2	10	130	< 0.5	2	0.68	< 0.5	15	59	54	3.83	10	< 1	0.72	10	1.90	218
248052	256	238	50	3.23	< 0.2	60	120	< 0.5	< 2	1.35	< 0.5	15	44	24	3.59	10	< 1	0.68	10	1.75	266
248053	256	238	205	2.61	< 0.2	25	50	< 0.5	4	0.63	< 0.5	27	41	146	4.12	10	< 1	0.16	10	1.33	355
248054	256	238	65	3.16	0.2	70	70	< 0.5	< 2	0.60	< 0.5	43	65	199	4.17	10	< 1	0.25	10	1.57	378
248055	256	238	790	2.03	0.2	2250	300	< 0.5	2	0.41	< 0.5	32	17	80	5.13	< 10	< 1	0.37	10	0.38	873
248056	256	238	100	0.52	4.2	>10000	120	< 0.5	2	0.31	< 0.5	17	30	25	5.33	< 10	< 1	0.18	20	0.16	237
248057	256	238	35	1.35	0.2	500	80	< 0.5	< 2	0.30	< 0.5	30	16	126	5.26	< 10	< 1	0.30	10	0.25	535
248058	256	238	20	2.27	0.4	1305	90	< 0.5	< 2	0.39	< 0.5	16	14	74	3.61	< 10	< 1	0.48	10	0.33	441
248059	256	238	55	1.28	0.4	600	120	< 0.5	2	0.06	2.5	15	8	66	3.54	< 10	1	0.30	10	0.03	1135
248060	256	238	< 5	1.16	0.4	120	190	< 0.5	6	2.35	0.5	17	10	86	4.18	10	< 1	0.37	< 10	0.08	754
248061	256	238	65	0.85	0.4	3900	120	< 0.5	2	0.33	< 0.5	10	7	35	2.51	< 10	1	0.35	10	0.03	467
248062	256	238	< 5	0.94	0.6	185	120	< 0.5	6	0.28	2.5	10	5	11	2.44	< 10	< 1	0.32	10	0.04	540
248063	256	238	20	3.40	0.4	170	100	< 0.5	6	0.70	< 0.5	31	261	20	4.22	10	< 1	0.11	10	1.96	552
248064	256	238	5	2.43	0.2	100	30	< 0.5	4	0.52	< 0.5	17	94	4	3.87	10	< 1	0.05	10	0.78	641
248065	256	238	10	1.25	< 0.2	70	40	< 0.5	4	3.32	< 0.5	17	65	78	5.91	10	< 1	0.07	< 10	0.82	1175
248066	256	238	< 5	2.22	< 0.2	15	120	< 0.5	2	0.79	< 0.5	23	75	145	3.70	10	1	0.30	10	0.78	734
248067	256	238	< 5	2.27	0.2	15	120	< 0.5	2	0.69	< 0.5	16	73	126	3.72	10	< 1	0.36	10	0.85	782
248068	256	238	< 5	2.03	0.2	25	140	< 0.5	4	0.64	< 0.5	16	57	387	2.58	< 10	< 1	0.26	10	0.77	723
248069	256	238	< 5	2.57	0.4	15	100	< 0.5	< 2	0.36	< 0.5	16	42	29	3.04	< 10	11	0.19	10	0.50	419
248070	256	238	< 5	1.04	< 0.2	< 5	50	< 0.5	2	0.44	< 0.5	13	46	24	2.51	< 10	< 1	0.12	10	0.95	180

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
1900 - 1055 W. HASTINGS ST.
VANCOUVER, B.C.
V6E 2E9
Project : MSR4
Comments: CC: S McALLISTER

Page No. :-B
Tot. Pa:
Date :20-SEP-88
Invoice # :I-8823244
P.O. # :36927

CERTIFICATE OF ANALYSIS A8823244

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
248051	256 238	1	0.16	40	730	< 2	< 5	11	50	0.08	< 10	< 10	109	< 5	26
248052	256 238	< 1	0.08	28	730	< 2	< 5	11	35	0.08	< 10	< 10	102	< 5	26
248053	256 238	1	0.16	20	740	8	< 5	6	59	0.01	< 10	< 10	84	< 5	31
248054	256 238	1	0.18	49	630	8	< 5	10	73	0.06	< 10	< 10	105	< 5	39
248055	256 238	1	0.01	54	1000	10	35	10	32	< 0.01	< 10	< 10	36	< 5	51
248056	256 238	1	0.01	54	310	112	>10000	5	74	< 0.01	< 10	< 10	20	< 5	63
248057	256 238	< 1	0.01	30	1050	6	160	11	21	< 0.01	< 10	< 10	53	< 5	51
248058	256 238	< 1	0.02	22	920	< 2	50	10	31	< 0.01	< 10	< 10	48	< 5	36
248059	256 238	< 1	0.01	8	410	22	35	3	49	< 0.01	< 10	< 10	28	< 5	546
248060	256 238	< 1	0.01	15	780	12	15	4	16	< 0.01	< 10	< 10	30	< 5	125
248061	256 238	1	0.01	8	560	14	220	2	19	< 0.01	< 10	< 10	11	< 5	441
248062	256 238	< 1	0.02	5	570	12	25	2	10	< 0.01	< 10	< 10	19	< 5	787
248063	256 238	< 1	0.04	203	1120	< 2	< 5	11	79	0.03	< 10	< 10	91	< 5	57
248064	256 238	1	0.03	73	500	4	5	12	35	< 0.01	< 10	< 10	75	< 5	39
248065	256 238	< 1	0.02	70	470	6	5	11	57	< 0.01	< 10	< 10	49	< 5	35
248066	256 238	7	0.03	28	590	< 2	5	16	34	0.04	< 10	< 10	109	< 5	39
248067	256 238	3	0.03	25	660	4	< 5	13	32	0.04	< 10	< 10	110	< 5	43
248068	256 238	3	0.03	27	600	4	5	10	36	0.03	< 10	< 10	69	< 5	34
248069	256 238	1	0.05	21	700	6	5	10	40	0.04	< 10	< 10	103	< 5	25
248070	256 238	< 1	0.05	17	670	< 2	5	5	29	0.11	< 10	< 10	92	< 5	19

CERTIFICATION : B. Caglioni

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To: CHEVRON CANADA RESOURCES LTD.
MINERALS STAFF
1900 - 1055 W. HASTINGS ST.
VANCOUVER, B.C.
V6E 2E9
Project : M 584
Comments: ATTN: S McALLISTER CC: T E LISLE

Page No : A
Tot. Pa
Date : 19-AUG-88
Invoice # : I-8820749
P.O. # : 36925

ROCKS

CERTIFICATE OF ANALYSIS A8820749

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
248021	212 238	70	1.05	0.2	1875	40	< 0.5	< 2	0.08	< 0.5	4	44	74	13.65	< 10	29	0.10	< 10	0.04	128
248022	212 238	30	3.27	0.2	185	40	< 0.5	< 2	0.10	< 0.5	27	139	165	7.32	< 10	< 1	0.10	10	0.05	500
248023	212 238	10	0.75	0.2	8960	210	< 0.5	< 2	11.30	< 0.5	4	21	7	5.21	< 10	60	0.04	< 10	3.85	1405
248024	212 238	< 5	0.72	0.2	>10000	100	< 0.5	< 2	0.85	< 0.5	10	39	19	2.17	< 10	57	0.03	< 10	0.33	331
248025	212 238	10	0.75	0.2	3950	50	< 0.5	< 2	5.38	< 0.5	3	9	40	4.30	< 10	10	0.10	< 10	0.56	996
248026	212 238	35	2.36	0.2	45	100	< 0.5	< 2	0.50	< 0.5	13	40	464	4.04	< 10	< 1	0.51	10	0.59	390
248027	212 238	650	2.09	0.2	10	90	< 0.5	< 2	1.31	< 0.5	14	32	990	4.51	< 10	< 1	0.27	10	0.27	751
248028	212 238	95	2.90	0.2	< 5	150	< 0.5	< 2	0.64	< 0.5	15	73	413	4.00	< 10	< 1	0.38	10	0.67	500
248029	212 238	70	3.02	0.2	10	190	< 0.5	< 2	0.84	< 0.5	18	101	397	4.98	< 10	< 1	0.57	10	1.04	795
248030	212 238	35	1.39	0.2	15	70	< 0.5	2	0.59	< 0.5	17	58	1125	3.62	< 10	< 1	0.13	10	0.79	473
248031	212 238	10	0.83	0.2	145	50	< 0.5	< 2	10.30	< 0.5	15	89	39	4.89	< 10	< 1	0.04	< 10	0.57	1220
248032	212 238	6550	0.48	0.4	170	80	< 0.5	< 2	>15.00	< 0.5	38	20	< 1	6.96	< 10	< 1	0.04	< 10	2.76	2570
248033	212 238	300	0.58	2.2	2480	40	< 0.5	< 2	2.23	< 0.5	9	32	31	3.36	< 10	4	0.23	10	0.12	738
248034	212 238	55	0.54	0.8	7770	150	< 0.5	< 2	0.40	< 0.5	6	14	41	2.96	< 10	1	0.27	10	0.04	307
248035	212 238	15	2.40	0.2	1680	40	< 0.5	< 2	0.16	< 0.5	8	30	24	4.95	< 10	7	0.10	< 10	0.04	784
248036	212 238	30	0.70	0.6	4050	100	< 0.5	< 2	1.33	< 0.5	5	13	13	3.13	< 10	61	0.26	10	0.05	751
248037	212 238	< 5	0.71	0.2	4680	40	< 0.5	< 2	6.86	< 0.5	8	26	14	3.51	< 10	27	0.04	< 10	1.47	1045
248038	212 238	< 5	1.51	0.2	145	110	< 0.5	< 2	0.26	< 0.5	11	35	28	2.77	< 10	1	0.14	< 10	0.10	438
248039	212 238	30	1.62	0.2	10	100	< 0.5	< 2	0.72	< 0.5	12	57	530	3.14	< 10	< 1	0.20	10	0.99	324
248040	212 238	90	1.93	0.6	10	100	< 0.5	2	0.62	< 0.5	17	70	618	3.52	< 10	< 1	0.17	10	0.71	547
248041	212 238	10	1.44	0.2	40	50	0.5	< 2	3.93	< 0.5	7	13	39	2.97	< 10	1	0.07	< 10	0.38	906
248042	212 238	10	3.61	0.2	20	320	1.0	< 2	0.76	< 0.5	10	42	14	3.47	< 10	< 1	1.25	20	2.26	251
248043	212 238	45	2.14	0.2	115	60	1.0	< 2	0.41	< 0.5	14	52	36	3.86	< 10	< 1	0.10	10	0.08	642
248044	212 238	140	3.16	0.2	75	30	1.0	< 2	0.18	< 0.5	13	39	8	2.92	< 10	< 1	0.05	< 10	0.04	374
248045 - Dup.	212 238	5	0.62	0.2	< 5	150	0.5	< 2	0.38	< 0.5	19	22	48	2.97	< 10	1	0.04	10	0.12	595
248046	212 238	5	0.96	0.2	10	140	1.0	< 2	2.18	< 0.5	10	32	28	2.80	< 10	< 1	0.06	10	0.10	451
248047	212 238	< 5	0.69	0.2	45	930	1.5	< 2	3.39	< 0.5	11	31	6	3.41	< 10	1	0.07	< 10	0.19	517
248048	212 238	10	0.65	0.2	25	200	1.5	< 2	7.13	< 0.5	10	34	72	3.88	< 10	1	0.05	< 10	2.11	764

CERTIFICATION : B. Caughlin

Chemex Labs Ltd.
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CHEVRON CANADA RESOURCES LTD.
MINERALS STAFF
1900 - 1055 W. HASTINGS ST.
VANCOUVER, B.C.
V6E 2E9
Project : M 584
Comments: ATTN: S McALLISTER CC: T E LISLE

CERTIFICATE OF ANALYSIS A8820749

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
248021	212	238	2	< 0.01	26	770	34	50	8	86	< 0.01	10	< 10	58	< 5	164
248022	212	238	2	0.01	148	490	< 2	< 5	14	25	< 0.01	< 10	< 10	79	< 5	64
248023	212	238	2	0.01	8	130	8	165	9	230	< 0.01	< 10	< 10	37	< 5	77
248024	212	238	< 1	< 0.01	56	140	14	>10000	4	104	< 0.01	< 10	< 10	37	< 5	147
248025	212	238	< 1	0.01	4	300	2	205	7	33	< 0.01	< 10	< 10	18	< 5	44
248026	212	238	3	0.03	42	840	< 2	10	12	21	0.03	< 10	< 10	65	< 5	36
248027	212	238	7	0.01	25	770	< 2	5	12	27	< 0.01	< 10	< 10	63	< 5	41
248028	212	238	13	0.01	22	690	< 2	< 5	20	34	0.01	< 10	< 10	87	< 5	35
248029	212	238	12	0.07	25	760	< 2	5	28	55	0.06	< 10	< 10	121	< 5	41
248030	212	238	4	0.05	27	940	< 2	5	9	30	0.04	< 10	< 10	77	< 5	47
248031	212	238	< 1	0.01	71	470	2	15	12	89	< 0.01	< 10	< 10	61	< 5	62
248032	212	238	1	0.01	49	140	< 2	10	7	292	< 0.01	< 10	< 10	34	< 5	54
248033	212	238	< 1	0.01	20	720	88	>10000	4	28	< 0.01	10	< 10	23	< 5	301
248034	212	238	1	< 0.01	9	400	24	2640	3	36	< 0.01	< 10	< 10	12	< 5	82
248035	212	238	2	< 0.01	38	390	4	130	9	58	< 0.01	< 10	< 10	60	< 5	51
248036	212	238	< 1	< 0.01	10	350	16	2200	3	45	< 0.01	< 10	< 10	19	< 5	75
248037	212	238	< 1	0.01	27	280	4	1225	6	191	< 0.01	< 10	< 10	30	< 5	73
248038	212	238	1	< 0.01	37	490	6	30	6	38	< 0.01	< 10	< 10	42	< 5	58
248039	212	238	1	0.10	20	870	< 2	5	7	40	0.09	< 10	< 10	79	< 5	40
248040	212	238	2	0.04	28	940	2	5	12	37	0.03	< 10	< 10	112	< 5	45
248041	212	238	2	0.08	10	540	< 2	5	6	66	0.01	< 10	< 10	54	< 5	30
248042	212	238	1	0.14	32	620	< 2	5	12	58	0.20	< 10	< 10	56	< 5	17
248043	212	238	2	0.01	53	630	2	5	14	22	< 0.01	< 10	< 10	80	< 5	58
248044	212	238	3	< 0.01	35	700	< 2	< 5	14	27	< 0.01	< 10	< 10	85	< 5	39
248045	212	238	2	0.02	22	670	2	< 5	8	56	< 0.01	< 10	< 10	41	< 5	20
248046	212	238	1	0.01	22	580	< 2	< 5	8	26	< 0.01	< 10	< 10	75	< 5	24
248047	212	238	3	0.03	17	680	< 2	< 5	8	50	< 0.01	< 10	< 10	81	< 5	27
248048	212	238	5	0.01	22	350	< 2	5	9	164	< 0.01	< 10	< 10	56	< 5	37

CERTIFICATION :

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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

PHONE (604) 984-0221

ROCKS.

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

Project : MS84
Comments: CC: S. McALLISTER

Page No. :
Tot. Pag :
Date : 25-JUL-88
Invoice # : I-8819179
P.O. # : 36923

CERTIFICATE OF ANALYSIS A8819179

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
248001 H	212	238	200	0.17	2.4	340	20	< 0.5	4	0.12	< 0.5	< 1	22	77	1.56	< 10	< 1	0.03	< 10	0.08	131
248002 H	212	238	10	0.41	< 0.2	1725	4160	< 0.5	< 2	0.95	< 0.5	< 1	18	35	1.86	< 10	15	0.08	10	0.04	329
248003 H	212	238	25	0.29	< 0.2	2280	650	0.5	< 2	1.80	< 0.5	< 1	25	37	2.31	< 10	7	0.10	20	0.04	497
248004 H	212	238	5	0.99	0.2	90	150	0.5	< 2	0.54	< 0.5	< 1	29	523	2.12	< 10	< 1	0.09	10	0.54	190
248005 H	212	238	10	2.03	< 0.2	75	140	0.5	< 2	0.92	< 0.5	12	33	51	3.67	10	< 1	0.19	10	1.24	710
248006 H	212	238	140	1.83	< 0.2	280	80	0.5	6	0.14	< 0.5	< 1	40	85	4.44	< 10	4	0.38	10	0.82	304
248007 H	212	238	< 5	0.89	< 0.2	15	250	0.5	< 2	2.18	< 0.5	< 1	12	11	1.98	< 10	< 1	0.28	30	0.28	906

Brent + Gold Claims

CERTIFICATION :

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212 BROOKSBANK AVE., NORTH VANCOUVER,
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To: CHEVRON CANADA RESOURCES LTD.
MINERALS STAFF
#900 - 1055 W. HASTINGS ST.
VANCOUVER, B.C.
V6E 2E9
Project : M584
Comments: CC: S. McALLISTER

Date : 25-JUL-88
Invoice # : I-8819179
P.O. # : 36923

CERTIFICATE OF ANALYSIS A8819179

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
248001 H	212	238	15	< 0.01	11	70	62	< 5	< 1	8	0.01	< 10	< 10	12	130	63
248002 H	212	238	1	< 0.01	10	320	6	2960	2	81	< 0.01	< 10	< 10	14	< 5	19
248003 H	212	238	< 1	< 0.01	10	240	52	>10000	2	58	< 0.01	< 10	< 10	13	< 5	71
248004 H	212	238	10	0.07	10	810	22	205	2	35	0.13	< 10	< 10	54	< 5	26
248005 H	212	238	< 1	0.09	10	850	10	40	6	48	0.14	< 10	< 10	87	< 5	42
248006 H	212	238	2	0.04	5	620	2	20	9	46	0.01	< 10	< 10	78	< 5	28
248007 H	212	238	< 1	0.04	8	700	12	20	2	50	< 0.01	< 10	< 10	14	< 5	66

CERTIFICATION :

SGM

Chemex Labs Ltd.

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

Project : MS84
Comments: ATTN: S. MCALLISTER, CC: T. EISLE

Page No. : A
Tot. Pages : 2
Date : 13-AUG-88
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P.O. # : NONE

SOIL

CERTIFICATE OF ANALYSIS A8820321

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
BR 1082ON 7330E	201 238	40	1.75	< 0.2	155	110	< 0.5	< 2	0.25	0.5	10	43	52	2.91	< 10	< 1	0.06	10	0.76	261
BR 1082ON 7380E	201 238	5	2.25	< 0.2	85	150	< 0.5	< 2	0.30	0.5	15	47	36	2.90	< 10	< 1	0.10	10	0.60	568
BR 1087ON 7330E	201 238	5	1.50	< 0.2	100	110	< 0.5	< 2	0.24	< 0.5	8	30	34	2.42	< 10	< 1	0.11	10	0.56	204
BR 1087ON 7380E	201 238	5	2.02	< 0.2	120	130	< 0.5	< 2	0.31	< 0.5	12	44	37	2.95	< 10	< 1	0.10	10	0.65	240
BR 1087ON 7430E	201 238	30	2.17	< 0.2	505	140	< 0.5	< 2	0.81	0.5	11	82	92	3.44	10	< 1	0.19	20	1.10	420
BR 1087ON 7480E	201 238	25	2.17	< 0.2	25	140	< 0.5	< 2	0.30	< 0.5	13	48	18	2.75	< 10	< 1	0.09	10	0.56	333
BR 1087ON 7530E	201 238	< 5	1.52	< 0.2	75	90	< 0.5	< 2	0.31	0.5	11	35	23	2.50	< 10	< 1	0.10	10	0.42	316
BR 1087ON 7580E	201 238	< 5	1.86	< 0.2	60	130	< 0.5	< 2	0.27	< 0.5	13	43	22	2.73	< 10	< 1	0.09	10	0.54	276
BR 1087ON 7630E	201 238	5	1.91	< 0.2	60	110	< 0.5	< 2	0.27	< 0.5	9	44	18	2.68	< 10	< 1	0.09	10	0.65	246
BR 1087ON 7680E	201 238	< 5	1.96	< 0.2	30	120	< 0.5	< 2	0.27	< 0.5	9	39	18	2.32	< 10	< 1	0.08	10	0.56	195
BR 1087ON 7730E	201 238	5	2.35	< 0.2	15	160	< 0.5	< 2	0.38	< 0.5	11	48	14	2.43	< 10	2	0.13	10	0.67	281
BR 1097ON 7730E	201 238	< 5	2.79	< 0.2	40	200	< 0.5	< 2	0.34	< 0.5	14	49	18	2.98	< 10	< 1	0.10	10	0.64	263
BR 1097ON 7780E	201 238	120	2.04	< 0.2	35	150	< 0.5	< 2	0.31	< 0.5	12	48	18	2.85	< 10	< 1	0.13	10	0.61	350
BR 1097ON 7830E	201 238	< 5	1.05	< 0.2	30	80	< 0.5	< 2	0.18	< 0.5	6	24	8	1.99	< 10	1	0.05	< 10	0.28	191
BR 1097ON 7880E	201 238	10	1.69	< 0.2	20	120	< 0.5	< 2	0.24	< 0.5	9	38	13	2.44	< 10	< 1	0.06	10	0.44	331
BR 1097ON 7930E	201 238	< 5	0.91	< 0.2	5	90	< 0.5	< 2	0.16	< 0.5	4	34	8	1.81	< 10	< 1	0.05	< 10	0.32	217
BR 1097ON 7980E	201 238	< 5	2.30	< 0.2	75	190	< 0.5	< 2	0.41	< 0.5	13	53	24	3.20	< 10	< 1	0.12	10	0.87	450
BR 1097ON 8030E	201 238	< 5	1.72	< 0.2	< 5	160	< 0.5	< 2	0.30	< 0.5	8	39	13	2.53	< 10	< 1	0.07	10	0.62	386
BR 1107ON 7680E	201 238	< 5	2.11	< 0.2	10	200	< 0.5	< 2	0.41	< 0.5	10	60	26	2.49	< 10	< 1	0.16	10	0.85	551
BR 1107ON 7730E	201 238	< 5	2.34	< 0.2	145	360	< 0.5	< 2	0.55	0.5	14	60	25	3.03	< 10	< 1	0.20	10	0.81	1225
BR 1107ON 7780E	201 238	< 5	2.21	< 0.2	710	440	0.5	< 2	0.58	2.0	15	35	51	3.87	10	1	0.29	20	0.60	1420
BR 1107ON 7830E	201 238	320	2.04	< 0.2	125	170	0.5	< 2	0.36	0.5	8	46	29	3.15	< 10	< 1	0.11	10	0.80	362
BR 1107ON 7880E	201 238	< 5	1.98	< 0.2	10	190	< 0.5	< 2	0.37	< 0.5	7	41	13	2.51	< 10	1	0.11	10	0.69	571
BR 1107ON 7930E	201 238	< 5	2.32	< 0.2	30	260	< 0.5	< 2	0.48	< 0.5	10	47	19	2.94	< 10	< 1	0.11	10	0.89	950
BR 1107ON 7980E	201 238	100	1.90	< 0.2	45	190	< 0.5	< 2	0.36	< 0.5	9	44	22	2.85	< 10	1	0.10	10	0.67	491
BR 1107ON 8080E	201 238	< 5	2.17	< 0.2	5	210	< 0.5	< 2	0.40	< 0.5	8	46	17	2.77	< 10	< 1	0.10	10	0.86	540
BR 1107ON 8130E	201 238	< 5	1.78	< 0.2	< 5	200	< 0.5	< 2	0.39	< 0.5	8	36	14	2.37	< 10	< 1	0.12	10	0.62	550
BR 1112ON 8005E	201 238	35	2.34	< 0.2	20	120	< 0.5	< 2	0.31	< 0.5	10	49	19	2.75	< 10	< 1	0.06	10	0.87	517
BR 1112ON 8030E	201 238	10	2.27	< 0.2	< 5	170	< 0.5	< 2	0.40	< 0.5	10	42	15	2.60	< 10	2	0.09	10	0.84	545
BR 1112ON 8055E	201 238	40	2.58	< 0.2	< 5	160	< 0.5	< 2	0.64	< 0.5	10	47	22	2.95	< 10	< 1	0.10	10	1.14	680
BR 1112ON 8105E	201 238	280	2.25	< 0.2	< 5	140	< 0.5	< 2	0.33	< 0.5	10	41	16	2.64	< 10	< 1	0.10	10	0.64	562
BR 1117ON 7330E	201 238	140	2.37	< 0.2	80	150	< 0.5	< 2	0.27	0.5	12	42	101	2.88	< 10	< 1	0.12	10	0.70	188
BR 1117ON 7380E	201 238	< 5	2.23	< 0.2	30	140	< 0.5	< 2	0.30	< 0.5	11	44	56	2.60	< 10	< 1	0.13	10	0.68	226
BR 1117ON 7430E	201 238	5	2.65	< 0.2	140	220	< 0.5	< 2	0.32	0.5	14	63	250	2.99	< 10	1	0.27	10	1.04	316
BR 1117ON 7480E	201 238	10	2.25	0.2	120	120	< 0.5	4	0.35	0.5	16	52	174	3.54	< 10	2	0.17	10	0.87	278
BR 1117ON 7530E	201 238	< 5	2.07	0.2	140	200	< 0.5	< 2	0.27	0.5	12	34	120	2.94	< 10	1	0.12	10	0.51	186
BR 1117ON 7580E	201 238	30	1.82	< 0.2	95	130	< 0.5	6	0.24	< 0.5	9	35	93	2.73	< 10	< 1	0.09	10	0.56	378
BR 1117ON 7630E	201 238	30	2.51	< 0.2	20	140	< 0.5	4	0.37	< 0.5	11	61	49	2.46	< 10	< 1	0.13	10	0.87	421
BR 1117ON 7680E	201 238	15	2.48	< 0.2	30	130	< 0.5	2	0.40	< 0.5	11	70	23	2.44	< 10	< 1	0.18	10	0.97	305
BR 1117ON 7730E	201 238	< 5	2.33	< 0.2	45	180	< 0.5	< 2	0.37	< 0.5	9	57	16	2.84	< 10	< 1	0.13	10	0.85	392

CERTIFICATION :

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 : MS84
Comments: ATTN: S MCALLISTER. CC: T LISLE

Page No. :
Tot. Page:
Date : 13-AUG-88
Invoice # : I-8820321
P.O. # : NONE

CERTIFICATE OF ANALYSIS A8820321

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
BR 10820N 7330E	201 238	2	0.01	41	320	8	< 5	4	26	0.11	< 10	< 10	62	5	69
BR 10820N 7380E	201 238	2	0.02	44	1010	4	< 5	4	35	0.13	< 10	< 10	58	5	155
BR 10870N 7330E	201 238	2	0.02	28	400	8	< 5	3	28	0.12	< 10	< 10	58	5	64
BR 10870N 7380E	201 238	4	0.01	35	220	2	< 5	4	42	0.15	< 10	< 10	69	5	78
BR 10870N 7430E	201 238	3	0.03	47	470	10	5	9	85	0.14	< 10	< 10	72	5	63
BR 10870N 7480E	201 238	3	0.02	40	780	10	< 5	3	29	0.14	< 10	< 10	61	5	112
BR 10870N 7530E	201 238	2	0.02	28	430	4	< 5	2	26	0.11	< 10	< 10	57	5	94
BR 10870N 7580E	201 238	3	0.02	36	430	12	< 5	3	28	0.13	< 10	< 10	60	< 5	99
BR 10870N 7630E	201 238	1	0.01	40	330	12	10	4	26	0.13	< 10	< 10	61	5	112
BR 10870N 7680E	201 238	1	0.02	38	560	6	< 5	3	27	0.14	< 10	< 10	52	5	85
BR 10870N 7730E	201 238	2	0.02	57	360	4	< 5	4	34	0.15	< 10	< 10	54	10	102
BR 10970N 7730E	201 238	1	0.02	51	900	6	< 5	4	30	0.14	< 10	< 10	61	5	95
BR 10970N 7780E	201 238	1	0.01	41	1050	2	< 5	4	26	0.13	< 10	< 10	57	5	85
BR 10970N 7830E	201 238	< 1	0.02	18	520	8	< 5	2	18	0.11	< 10	< 10	53	5	44
BR 10970N 7880E	201 238	< 1	0.02	38	940	8	< 5	3	22	0.11	< 10	< 10	52	5	85
BR 10970N 7930E	201 238	< 1	0.02	21	700	6	< 5	2	13	0.10	< 10	< 10	46	5	52
BR 10970N 7980E	201 238	1	0.01	45	390	8	< 5	5	36	0.09	< 10	< 10	68	10	73
BR 10970N 8030E	201 238	1	0.02	35	350	< 2	< 5	3	27	0.13	< 10	< 10	55	5	59
BR 11070N 7680E	201 238	1	0.02	53	520	8	< 5	4	43	0.17	< 10	< 10	53	5	47
BR 11070N 7730E	201 238	1	0.02	71	820	4	30	6	51	0.14	< 10	< 10	61	5	63
BR 11070N 7780E	201 238	1	0.01	38	700	8	145	8	47	0.07	< 10	< 10	63	< 5	62
BR 11070N 7830E	201 238	1	0.01	34	290	6	30	6	32	0.11	< 10	< 10	64	< 5	63
BR 11070N 7880E	201 238	< 1	0.02	36	360	4	< 5	4	29	0.13	< 10	< 10	55	< 5	92
BR 11070N 7930E	201 238	2	0.01	42	400	10	< 5	5	42	0.14	< 10	< 10	61	< 5	108
BR 11070N 7980E	201 238	2	0.01	38	250	18	5	5	30	0.10	< 10	< 10	58	< 5	73
BR 11070N 8080E	201 238	1	0.02	41	440	14	< 5	5	38	0.17	< 10	< 10	55	< 5	110
BR 11070N 8130E	201 238	1	0.01	30	400	16	< 5	4	36	0.13	< 10	< 10	47	< 5	75
BR 11120N 8005E	201 238	1	0.01	42	330	< 2	< 5	5	25	0.12	< 10	< 10	56	< 5	84
BR 11120N 8030E	201 238	1	0.02	44	410	14	< 5	5	34	0.17	< 10	< 10	54	< 5	99
BR 11120N 8055E	201 238	1	0.01	43	770	6	< 5	5	46	0.19	< 10	< 10	57	< 5	122
BR 11120N 8105E	201 238	1	0.01	43	820	64	< 5	4	25	0.12	< 10	< 10	50	< 5	247
BR 11170N 7330E	201 238	4	0.02	36	340	< 2	< 5	4	40	0.18	< 10	< 10	70	< 5	55
BR 11170N 7380E	201 238	2	0.02	43	640	6	< 5	4	34	0.18	< 10	< 10	61	< 5	68
BR 11170N 7430E	201 238	4	0.02	52	330	2	< 5	6	38	0.21	< 10	< 10	69	< 5	67
BR 11170N 7480E	201 238	5	0.02	38	350	10	5	5	72	0.18	< 10	< 10	73	< 5	55
BR 11170N 7530E	201 238	2	0.03	31	430	10	< 5	3	32	0.11	< 10	< 10	50	< 5	76
BR 11170N 7580E	201 238	3	0.02	29	400	< 2	5	2	30	0.13	< 10	< 10	59	< 5	45
BR 11170N 7630E	201 238	1	0.02	52	390	6	< 5	4	38	0.17	< 10	< 10	53	< 5	42
BR 11170N 7680E	201 238	1	0.02	53	400	< 2	< 5	5	39	0.19	< 10	< 10	56	< 5	38
BR 11170N 7730E	201 238	1	0.01	50	600	2	10	5	39	0.13	< 10	< 10	56	< 5	55

CERTIFICATION

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 : M584
Comments: ATTN: S MCALLISTER. CC: T LISLE

Page No. :
Tot. Page :
Date : 13-AUG-88
Invoice # : I-8820321
P.O. # : NONE

CERTIFICATE OF ANALYSIS A8820321

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
BR 1117GN 7780E	201 238	30	1.99	< 0.2	180	200	0.5	< 2	0.37	< 0.5	9	48	16	3.29	10	< 1	0.16	10	0.76	649
BR 1117GN 7830E	201 238	30	2.25	< 0.2	80	340	0.5	< 2	0.44	< 0.5	11	41	11	3.04	10	1	0.13	10	0.72	855
BR 1117GN 7880E	201 238	10	2.16	< 0.2	10	180	< 0.5	2	0.40	< 0.5	8	39	6	2.73	10	< 1	0.12	10	0.85	551
BR 1117GN 7930E	201 238	15	1.93	< 0.2	15	70	< 0.5	< 2	0.33	< 0.5	7	36	9	2.60	< 10	< 1	0.10	10	0.78	371
BR 1117GN 7980E	201 238	10	2.21	< 0.2	10	220	0.5	< 2	0.46	< 0.5	8	39	8	2.92	10	< 1	0.10	10	0.88	790
BR 1117GN 8030E	201 238	20	1.78	< 0.2	20	40	< 0.5	< 2	0.37	< 0.5	6	36	11	2.83	10	< 1	0.08	10	0.77	322
BR 1117GN 8080E	201 238	< 5	2.30	< 0.2	15	160	0.5	< 2	0.52	< 0.5	10	39	13	3.29	10	< 1	0.11	20	1.01	719
BR 1117GN 8130E	201 238	10	2.47	< 0.2	< 5	250	0.5	< 2	0.47	< 0.5	10	40	13	3.19	10	< 1	0.14	10	1.12	915

CERTIFICATION :

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212 BROOKSBANK AVE NORTH VANCOUVER,
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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
BR 1117ON 7780E	201 238	1	0.01	37	390	6	70	5	35	0.11	< 10	< 10	70	< 5	59
BR 1117ON 7830E	201 238	2	0.01	44	740	16	25	4	40	0.10	< 10	< 10	63	< 5	78
BR 1117ON 7880E	201 238	2	0.01	39	460	6	5	4	33	0.11	< 10	< 10	58	< 5	74
BR 1117ON 7930E	201 238	2	0.01	33	290	10	5	4	30	0.12	< 10	< 10	58	< 5	57
BR 1117ON 7980E	201 238	1	0.01	40	410	6	< 5	4	36	0.14	< 10	< 10	60	< 5	94
BR 1117ON 8030E	201 238	2	0.01	26	240	12	10	5	33	0.15	< 10	< 10	62	< 5	41
BR 1117ON 8080E	201 238	2	0.01	40	520	12	< 5	6	44	0.17	< 10	< 10	65	< 5	70
BR 1117ON 8130E	201 238	1	0.01	39	620	8	< 5	4	49	0.15	< 10	< 10	60	< 5	73

CERTIFICATION: f

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 : M584
Comments: CC: S. MacALLISTER CC: T.E. LISLE

Date : 6-AUG-88
Invoice # : I-8819585
P.O. # : 36937

Soils

CERTIFICATE OF ANALYSIS A8819585

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
SS-1	201	238	< 5	1.00	0.2	90	80	0.5	4	1.16	< 0.5	17	40	32	3.92	10	< 1	0.08	20	0.67	81

CERTIFICATION : B. Caglione

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 : M584
Comments: CC: S. MacALLISTER CC: T.E LISLE

Date : 6-AUG-88
Invoice # : I-8819585
P.O. # : 36937

CERTIFICATE OF ANALYSIS A8819585

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
SS-1	201	238	1	0.01	46	880	10	10	9	65	0.04	< 10	< 10	69	20	79

CERTIFICATION : B. Coughlin

Chemex Labs Ltd.

Analytical Chemists *Geochemists* *Registered Assayers*

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

July 26, 1988

Chevron Canada Resources Ltd.
Minerals Staff
1900-1055 W. Hastings Street
Vancouver, B.C.
V6E 2E9

Dear T.E. Lisle

Re: Duplicate Analyses

We have run your samples in duplicate which show the following:

Certificate No.	Sample Description	Au	Original Analysis	Subsequent Analysis
A8819098-4	11120N 8030N		500 ppb	220 ppb

We hope this additional information will be helpful to you.

Sincerely yours,

Thanh Vinh

TV/lr

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

Soils

To: CHEVRON CANADA RESOURCES LTD.
MINERALS STAFF
900 - 1055 W. HASTINGS ST.
VANCOUVER, B.C.
V6E 2E9
Project : MS84
Comments: CC: S McALLISTER , T.E LISLE

Page No. : 1-A
Tot. Pages :
Date : AUG-88
Invoice # : I-8821454
P.O. # : 36926

CERTIFICATE OF ANALYSIS A8821454

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
BR 1027ON 7430E	201	238	< 5	2.41	0.4	60	130	< 0.5	< 2	0.27	< 0.5	11	43	15	3.01	< 10	< 1	0.07	10	0.58	254
BR 1027ON 7480E	201	238	20	1.94	0.2	105	110	< 0.5	< 2	0.32	< 0.5	8	42	25	3.24	< 10	< 1	0.05	10	0.65	241
BR 1027ON 7530E	201	238	30	1.38	0.4	180	100	< 0.5	< 2	0.22	< 0.5	8	28	24	2.80	< 10	3	0.06	10	0.51	237
BR 1027ON 7580E	201	238	10	1.86	0.2	145	160	< 0.5	< 2	0.24	< 0.5	10	36	17	3.07	< 10	< 1	0.06	10	0.60	333
BR 1027ON 8080E	201	238	135	1.24	0.2	30	130	0.5	< 2	0.29	< 0.5	8	29	11	2.08	< 10	2	0.05	10	0.44	396
BR 1032ON 7330E	201	238	10	2.11	0.2	70	130	1.0	< 2	0.33	< 0.5	13	48	24	3.08	< 10	< 1	0.11	10	0.78	360
BR 1032ON 7380E	201	238	< 5	1.85	0.4	90	120	1.0	2	0.35	< 0.5	11	31	21	2.32	< 10	2	0.10	10	0.44	764
BR 1037ON 7330E	201	238	10	1.88	0.4	75	110	1.0	< 2	0.37	< 0.5	11	43	19	2.98	< 10	< 1	0.10	20	0.63	319
BR 1037ON 7380E	201	238	500	1.95	0.4	200	150	1.0	< 2	0.29	< 0.5	10	43	24	3.28	< 10	< 1	0.15	10	0.64	341
BR 1037ON 7430E	201	238	10	1.94	0.2	25	120	0.5	< 2	0.34	< 0.5	11	44	16	2.63	< 10	< 1	0.07	10	0.57	304
BR 1037ON 7480E	201	238	70	1.86	0.2	15	100	0.5	< 2	0.29	< 0.5	10	41	16	2.46	< 10	< 1	0.08	10	0.59	254
BR 1037ON 7530E	201	238	5	2.41	0.2	45	120	0.5	< 2	0.30	< 0.5	12	46	16	2.62	< 10	< 1	0.08	10	0.66	288
BR 1037ON 7580E	201	238	< 5	2.21	0.2	50	140	1.0	< 2	0.26	< 0.5	12	43	15	2.35	< 10	1	0.08	10	0.57	324
BR 1037ON 8080E	201	238	10	1.02	0.2	35	140	0.5	< 2	0.19	< 0.5	7	28	16	2.13	< 10	1	0.04	10	0.38	382
BR 1042ON 7330E	201	238	10	2.07	0.2	45	160	< 0.5	< 2	0.26	< 0.5	5	43	21	2.97	< 10	< 1	0.13	10	0.64	361
BR 1042ON 7380E	201	238	25	2.33	0.2	95	300	< 0.5	< 2	0.29	0.5	9	47	37	3.17	< 10	3	0.13	10	0.70	402
BR 1047ON 7330E	201	238	20	1.74	0.2	240	130	< 0.5	< 2	0.29	0.5	7	44	36	3.23	< 10	< 1	0.09	10	0.62	312
BR 1047ON 7380E	201	238	35	2.70	0.4	360	320	< 0.5	2	0.31	0.5	13	51	42	3.78	< 10	< 1	0.17	20	0.54	602
BR 1047ON 7380E	201	238	15	1.89	0.2	230	160	< 0.5	< 2	0.27	0.5	11	52	32	3.34	< 10	< 1	0.07	10	0.72	412
BR 1047ON 7430E	201	238	20	1.63	0.4	205	200	< 0.5	< 2	0.27	0.5	11	55	43	3.67	< 10	< 1	0.11	10	0.58	380
BR 1047ON 7480E	201	238	5	2.07	0.4	15	120	< 0.5	< 2	0.21	< 0.5	10	30	13	2.22	< 10	< 1	0.07	10	0.41	318
BR 1047ON 7530E	201	238	20	2.45	0.4	190	80	< 0.5	2	0.21	< 0.5	11	46	121	3.01	< 10	< 1	0.10	10	0.96	220
BR 1047ON 7580E	201	238	25	2.61	0.2	170	120	0.5	< 2	0.35	< 0.5	16	64	60	3.40	10	1	0.15	10	1.04	284
BR 1047ON 7630E	201	238	20	2.32	0.4	100	130	0.5	6	0.51	< 0.5	18	57	52	3.83	20	< 1	0.14	10	0.88	356
BR 1047ON 7680E	201	238	15	2.11	0.4	130	130	0.5	8	0.42	1.0	13	48	26	2.96	20	1	0.10	10	0.68	273
BR 1047ON 7730E	201	238	30	1.85	0.6	250	120	0.5	4	0.34	< 0.5	12	42	35	3.45	20	< 1	0.09	10	0.68	299
BR 1052ON 7330E	201	238	5	2.12	0.2	110	180	1.0	< 2	0.39	< 0.5	13	42	23	2.96	20	< 1	0.13	10	0.57	653
BR 1052ON 7380E	201	238	< 5	1.35	0.2	90	130	0.5	2	0.24	< 0.5	13	27	13	2.38	20	< 1	0.06	10	0.39	252
BR 1057ON 7330E	201	238	35	1.78	0.4	95	120	0.5	2	0.33	< 0.5	12	35	33	3.10	20	1	0.11	10	0.65	250
BR 1057ON 7380E	201	238	80	2.82	0.2	125	250	1.0	6	0.44	0.5	21	42	67	3.90	30	< 1	0.15	10	0.84	702
BR 1057ON 7430E	201	238	170	1.87	0.2	185	110	1.0	4	0.46	0.5	17	46	63	3.81	30	< 1	0.14	10	0.84	322
BR 1057ON 7480E	201	238	15	1.95	0.4	100	120	0.5	8	0.42	0.5	20	37	51	3.29	30	< 1	0.12	10	0.63	277
BR 1057ON 7530E	201	238	5	3.08	0.2	175	190	< 0.5	2	0.39	< 0.5	14	51	72	4.71	< 10	< 1	0.23	10	0.87	615
BR 1057ON 7580E	201	238	20	2.41	0.4	185	130	< 0.5	< 2	0.31	< 0.5	14	50	55	3.95	< 10	< 1	0.20	10	0.85	353
BR 1057ON 7630E	201	238	290	2.62	0.4	180	150	< 0.5	< 2	0.30	< 0.5	9	61	51	3.63	< 10	< 1	0.18	10	0.90	433
BR 1057ON 7680E	201	238	170	2.18	0.2	155	180	< 0.5	< 2	0.27	< 0.5	11	45	18	2.94	< 10	1	0.12	10	0.66	632
BR 1057ON 7730E	201	238	30	2.28	0.2	115	150	< 0.5	2	0.33	< 0.5	10	53	24	3.15	< 10	< 1	0.08	10	0.70	294
BR 1057ON 7780E	201	238	115	1.80	0.4	150	210	< 0.5	2	0.26	< 0.5	7	43	24	3.13	< 10	< 1	0.07	10	0.54	332
BR 1057ON 7830E	201	238	< 5	2.44	0.2	75	200	< 0.5	< 2	0.31	< 0.5	11	55	25	3.05	< 10	< 1	0.09	10	0.70	621
BR 1057ON 7880E	201	238	< 5	2.29	0.2	45	150	< 0.5	2	0.29	< 0.5	10	54	17	3.10	< 10	< 1	0.07	10	0.67	268

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
900 - 1055 W. HASTINGS ST.
VANCOUVER, B.C.
V6E 2E9
Project : M584
Comments: CC: S. McALLISTER , T.E. LISLE

CERTIFICATE OF ANALYSIS A8821454

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
BR 1027ON 7430E	201	238	< 1	0.02	41	1040	6	< 5	4	21	0.13	< 10	< 10	59	< 5	128
BR 1027ON 7480E	201	238	< 1	0.01	34	450	4	5	5	34	0.16	< 10	< 10	66	< 5	93
BR 1027ON 7530E	201	238	< 1	0.01	26	480	< 2	10	3	20	0.07	< 10	< 10	50	< 5	107
BR 1027ON 7580E	201	238	< 1	0.01	36	330	< 2	5	4	22	0.09	< 10	< 10	56	< 5	143
BR 1027ON 8080E	201	238	< 1	0.01	24	330	14	< 5	2	26	0.07	< 10	< 10	43	10	79
BR 1032ON 7330E	201	238	< 1	0.02	42	480	12	5	5	40	0.16	< 10	< 10	73	10	99
BR 1032ON 7380E	201	238	< 1	0.03	36	700	4	< 5	3	35	0.12	< 10	< 10	56	10	93
BR 1037ON 7330E	201	238	< 1	0.02	33	470	2	5	5	39	0.17	< 10	< 10	73	5	84
BR 1037ON 7380E	201	238	< 1	0.02	35	180	< 2	10	5	33	0.12	< 10	< 10	75	10	100
BR 1037ON 7430E	201	238	< 1	0.02	36	570	10	< 5	4	42	0.17	< 10	< 10	65	5	84
BR 1037ON 7480E	201	238	< 1	0.02	36	710	12	5	4	34	0.15	< 10	< 10	63	10	85
BR 1037ON 7530E	201	238	< 1	0.02	48	810	< 2	< 5	4	33	0.14	< 10	< 10	60	10	125
BR 1037ON 7580E	201	238	< 1	0.02	55	1080	4	< 5	3	27	0.12	< 10	< 10	51	10	160
BR 1037ON 8080E	201	238	< 1	0.01	27	220	6	5	2	25	0.06	< 10	< 10	40	5	73
BR 1042ON 7330E	201	238	1	0.01	33	680	14	< 5	4	25	0.11	< 10	< 10	50	< 5	153
BR 1042ON 7380E	201	238	1	0.01	45	580	12	5	5	28	0.11	< 10	< 10	50	< 5	276
BR 1047ON 7330E	201	238	< 1	0.01	35	310	4	10	4	35	0.13	< 10	< 10	62	< 5	85
BR 1047ON 7380E	201	238	1	0.02	67	870	12	20	6	35	0.05	< 10	< 10	58	< 5	162
BR 1047ON 7380E	201	238	2	0.02	51	450	12	10	4	29	0.09	< 10	< 10	61	< 5	101
BR 1047ON 7430E	201	238	1	0.01	70	450	14	15	7	28	0.04	< 10	< 10	55	< 5	113
BR 1047ON 7480E	201	238	1	0.02	34	2270	16	< 5	3	20	0.11	< 10	< 10	40	< 5	220
BR 1047ON 7530E	201	238	3	0.02	41	590	16	10	4	28	0.13	< 10	< 10	61	5	72
BR 1047ON 7580E	201	238	3	0.01	58	660	14	< 5	6	30	0.17	< 10	< 10	75	5	86
BR 1047ON 7630E	201	238	2	0.01	47	820	18	5	7	50	0.22	< 10	< 10	88	10	86
BR 1047ON 7680E	201	238	4	0.01	54	720	26	10	5	28	0.14	< 10	< 10	61	< 5	147
BR 1047ON 7730E	201	238	3	0.01	39	550	22	30	5	29	0.13	< 10	< 10	69	< 5	143
BR 1052ON 7330E	201	238	4	0.01	51	1580	22	5	5	24	0.12	< 10	< 10	57	< 5	143
BR 1052ON 7380E	201	238	< 1	0.01	39	1020	10	< 5	4	17	0.08	< 10	< 10	52	< 5	70
BR 1057ON 7330E	201	238	2	0.01	34	610	16	< 5	4	31	0.15	< 10	< 10	67	< 5	79
BR 1057ON 7380E	201	238	4	0.01	64	1730	10	< 5	7	31	0.14	< 10	< 10	64	< 5	266
BR 1057ON 7430E	201	238	5	0.01	45	490	14	5	7	39	0.16	< 10	< 10	76	< 5	101
BR 1057ON 7480E	201	238	4	0.01	37	640	12	< 5	5	37	0.16	< 10	< 10	66	< 5	86
BR 1057ON 7530E	201	238	3	0.02	46	820	2	< 5	8	44	0.14	< 10	< 10	83	< 5	120
BR 1057ON 7580E	201	238	2	0.02	46	610	6	< 5	6	31	0.17	< 10	< 10	81	< 5	101
BR 1057ON 7630E	201	238	3	0.02	60	480	8	5	7	35	0.17	< 10	< 10	74	< 5	100
BR 1057ON 7680E	201	238	< 1	0.02	47	430	8	5	4	30	0.14	< 10	< 10	64	< 5	151
BR 1057ON 7730E	201	238	1	0.02	45	600	20	10	5	37	0.16	< 10	< 10	65	< 5	197
BR 1057ON 7780E	201	238	1	0.01	35	330	24	20	4	28	0.10	< 10	< 10	60	< 5	165
BR 1057ON 7830E	201	238	1	0.02	55	1110	8	5	5	25	0.12	< 10	< 10	61	< 5	170
BR 1057ON 7880E	201	238	1	0.02	59	790	12	< 5	4	25	0.17	< 10	< 10	68	< 5	107

CERTIFICATION : B. Caughlin

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To: CHEVRON CANADA RESOURCES LTD.
MINERALS STAFF
1900 - 1055 W. HASTINGS ST.
VANCOUVER, B.C.
V6E 2E9
Project : MS84
Comments: CC: S. McALLISTER , T.E. LISLE

CERTIFICATE OF ANALYSIS A8821454

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
BR 1057ON 7930E	201	238	< 5	2.64	0.4	40	150	< 0.5	2	0.27	< 0.5	15	57	21	3.28	< 10	1	0.07	10	0.71	537
BR 1057ON 7980E	201	238	< 5	1.77	0.4	15	90	< 0.5	< 2	0.19	< 0.5	11	36	8	2.33	< 10	< 1	0.06	10	0.38	317
BR 1062ON 7330E	201	238	< 5	2.59	0.4	150	140	< 0.5	2	0.36	< 0.5	15	51	60	3.50	< 10	1	0.17	10	0.86	328
BR 1062ON 7380E	201	238	15	2.48	0.2	135	160	0.5	< 2	0.34	< 0.5	11	43	47	3.06	< 10	< 1	0.16	10	0.69	398
BR 1067ON 7330E	201	238	210	2.25	0.2	80	170	< 0.5	< 2	0.37	< 0.5	10	45	40	3.06	< 10	< 1	0.18	10	0.71	344
BR 1067ON 7380E	201	238	300	2.52	0.4	165	160	< 0.5	< 2	0.29	< 0.5	15	45	72	3.62	< 10	< 1	0.25	10	0.83	286
BR 1067ON 7430E	201	238	80	2.46	0.6	110	190	< 0.5	< 2	0.44	< 0.5	16	46	98	3.60	< 10	< 1	0.22	10	0.76	587
BR 1067ON 7480E	201	238	65	2.60	0.4	115	220	0.5	2	0.34	0.5	16	49	70	3.56	< 10	< 1	0.14	10	0.72	1135
BR 1067ON 7530E	201	238	< 5	2.66	0.4	155	180	0.5	< 2	0.45	< 0.5	16	56	59	4.08	< 10	< 1	0.30	10	0.78	620
BR 1067ON 7580E	201	238	20	3.14	0.6	130	210	0.5	2	0.54	< 0.5	22	61	64	4.06	< 10	< 1	0.17	10	0.76	1100
BR 1067ON 7630E	201	238	< 5	3.87	0.6	560	170	< 0.5	2	0.30	< 0.5	21	64	129	4.84	< 10	< 1	0.10	10	1.08	410
BR 1067ON 7680E	201	238	< 5	3.00	0.6	100	150	< 0.5	< 2	0.26	< 0.5	20	54	31	3.53	< 10	< 1	0.10	10	0.59	696
BR 1067ON 7730E	201	238	35	3.25	0.4	285	130	< 0.5	< 2	0.26	< 0.5	18	87	31	3.83	< 10	< 1	0.11	10	1.11	369
BR 1067ON 7780E	201	238	< 5	3.20	0.4	185	140	< 0.5	< 2	0.34	< 0.5	17	70	23	3.97	< 10	< 1	0.10	10	0.84	308
BR 1067ON 7830E	201	238	< 5	2.63	0.4	710	150	0.5	< 2	0.19	< 0.5	11	47	31	3.76	< 10	< 1	0.06	10	0.49	290
BR 1067ON 7880E	201	238	< 5	2.55	0.6	110	150	< 0.5	< 2	0.25	< 0.5	11	49	17	3.37	< 10	< 1	0.08	10	0.56	288
BR 1067ON 7930E	201	238	< 5	2.03	0.2	50	140	< 0.5	< 2	0.24	< 0.5	10	38	15	3.13	< 10	< 1	0.07	10	0.69	281
BR 1067ON 7980E	201	238	< 5	1.64	0.2	50	160	< 0.5	< 2	0.29	< 0.5	8	32	8	2.69	< 10	< 1	0.08	10	0.56	459
BR 1072ON 7330E	201	238	< 5	2.76	0.4	100	210	< 0.5	< 2	0.32	< 0.5	17	47	43	3.11	< 10	< 1	0.13	10	0.71	403
BR 1072ON 7380E	201	238	45	2.58	0.4	130	160	0.5	< 2	0.38	< 0.5	14	51	67	3.67	< 10	< 1	0.15	10	0.82	696
BR 1077ON 7330E	201	238	< 5	2.24	0.4	160	160	< 0.5	< 2	0.31	< 0.5	10	54	35	3.59	< 10	< 1	0.13	10	0.84	252
BR 1077ON 7380E	201	238	< 5	2.28	0.4	155	120	< 0.5	2	0.39	< 0.5	15	49	63	3.83	< 10	< 1	0.17	10	0.88	370
BR 1077ON 7430E	201	238	410	2.21	0.4	135	160	< 0.5	< 2	0.35	< 0.5	16	42	68	3.49	< 10	2	0.20	10	0.70	542
BR 1077ON 7480E	201	238	< 5	1.60	0.2	80	100	< 0.5	< 2	0.18	< 0.5	9	31	30	2.53	< 10	2	0.08	< 10	0.44	304
BR 1077ON 7530E	201	238	20	2.95	0.4	115	150	< 0.5	< 2	0.29	< 0.5	15	52	63	3.45	< 10	< 1	0.09	10	0.69	322
BR 1077ON 7580E	201	238	10	2.76	0.6	110	120	0.5	< 2	0.37	< 0.5	15	61	49	4.21	< 10	< 1	0.11	10	0.87	358
BR 1077ON 7630E	201	238	< 5	3.06	0.4	125	130	< 0.5	2	0.33	< 0.5	18	65	42	4.35	< 10	< 1	0.10	10	0.90	325
BR 1077ON 7680E	201	238	15	2.55	0.6	170	100	< 0.5	< 2	0.26	< 0.5	9	49	56	3.85	< 10	< 1	0.09	10	0.84	319
BR 1077ON 7730E	201	238	5	2.67	0.2	40	150	< 0.5	< 2	0.35	< 0.5	15	60	24	3.45	< 10	< 1	0.11	10	0.84	288
BR 1077ON 7780E	201	238	< 5	2.27	0.4	55	160	< 0.5	< 2	0.39	< 0.5	10	57	19	3.16	< 10	1	0.15	10	0.81	448
BR 1077ON 7830E	201	238	< 5	2.12	0.4	55	150	< 0.5	< 2	0.48	< 0.5	12	67	26	3.66	< 10	< 1	0.15	10	0.81	305
BR 1092ON 7330E	201	238	10	2.02	0.6	165	100	< 0.5	< 2	0.47	< 0.5	9	52	61	3.44	< 10	< 1	0.31	10	0.87	257
BR 1092ON 7380E	201	238	< 5	2.15	0.4	55	140	< 0.5	< 2	0.38	< 0.5	11	49	24	2.93	< 10	1	0.14	10	0.72	273
BR 1097ON 7330E	201	238	110	1.72	0.2	65	240	< 0.5	< 2	0.31	< 0.5	9	40	97	3.64	< 10	< 1	0.21	10	0.73	326
BR 1097ON 7380E	201	238	510	2.64	0.6	50	250	< 0.5	< 2	0.44	0.5	14	65	381	5.01	< 10	< 1	0.72	10	1.23	456
BR 1097ON 7430E	201	238	100	2.11	0.8	990	220	0.5	< 2	0.43	< 0.5	16	42	662	4.80	< 10	1	0.39	10	0.99	420
BR 1097ON 7480E	201	238	15	2.35	0.4	145	180	< 0.5	< 2	0.36	< 0.5	8	73	132	3.73	< 10	< 1	0.32	10	1.03	267
BR 1097ON 7530E	201	238	35	2.20	0.4	125	150	< 0.5	< 2	0.39	< 0.5	8	69	63	3.90	< 10	< 1	0.14	10	0.89	287
BR 1097ON 7580E	201	238	15	2.03	0.2	70	190	< 0.5	< 2	0.27	< 0.5	9	46	38	2.88	< 10	2	0.11	10	0.60	210
BR 1097ON 7630E	201	238	35	2.32	0.4	185	190	< 0.5	< 2	0.27	< 0.5	11	54	59	3.49	< 10	1	0.13	10	0.69	246

CERTIFICATION : B. Caplin

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CERTIFICATE OF ANALYSIS A8821454

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
BR 1057ON 7930E	201	238	1	0.02	61	790	2	5	5	26	0.15	< 10	< 10	72	< 5	115
BR 1057ON 7980E	201	238	< 1	0.02	30	1120	8	< 5	3	18	0.13	< 10	< 10	55	< 5	119
BR 1062ON 7330E	201	238	3	0.02	43	490	4	5	6	51	0.20	< 10	< 10	81	< 5	96
BR 1062ON 7380E	201	238	2	0.02	49	1240	16	5	5	38	0.14	< 10	< 10	62	< 5	135
BR 1067ON 7330E	201	238	2	0.02	37	410	2	< 5	5	48	0.18	< 10	< 10	73	< 5	76
BR 1067ON 7380E	201	238	4	0.02	42	480	14	< 5	5	51	0.17	< 10	< 10	78	< 5	99
BR 1067ON 7430E	201	238	3	0.02	42	450	4	< 5	6	91	0.16	< 10	< 10	74	< 5	107
BR 1067ON 7480E	201	238	3	0.02	52	580	12	< 5	5	57	0.18	< 10	< 10	81	< 5	134
BR 1067ON 7530E	201	238	5	0.02	55	280	10	< 5	6	46	0.20	< 10	< 10	89	< 5	103
BR 1067ON 7580E	201	238	4	0.02	63	370	4	< 5	7	66	0.19	< 10	< 10	81	< 5	171
BR 1067ON 7630E	201	238	6	0.02	63	640	16	< 5	8	36	0.19	< 10	< 10	102	< 5	158
BR 1067ON 7680E	201	238	1	0.02	59	1150	16	< 5	5	25	0.16	< 10	< 10	73	< 5	128
BR 1067ON 7730E	201	238	< 1	0.02	83	1310	22	< 5	7	22	0.17	< 10	< 10	85	< 5	204
BR 1067ON 7780E	201	238	< 1	0.02	76	640	2	< 5	5	33	0.16	< 10	< 10	90	< 5	104
BR 1067ON 7830E	201	238	2	0.02	46	750	24	35	5	23	0.08	< 10	< 10	70	< 5	156
BR 1067ON 7880E	201	238	1	0.02	43	1320	22	< 5	4	23	0.13	< 10	< 10	71	< 5	319
BR 1067ON 7930E	201	238	1	0.01	40	950	12	5	3	20	0.09	< 10	< 10	57	< 5	132
BR 1067ON 7980E	201	238	< 1	0.01	27	220	12	5	3	21	0.08	< 10	< 10	57	< 5	63
BR 1072ON 7330E	201	238	4	0.02	51	580	4	< 5	5	39	0.17	< 10	< 10	66	< 5	132
BR 1072ON 7380E	201	238	2	0.02	46	420	4	< 5	6	49	0.18	< 10	< 10	80	< 5	130
BR 1077ON 7330E	201	238	2	0.01	47	250	2	5	5	42	0.15	< 10	< 10	82	< 5	82
BR 1077ON 7380E	201	238	1	0.02	42	380	4	< 5	5	67	0.19	< 10	< 10	88	< 5	85
BR 1077ON 7430E	201	238	2	0.01	42	370	4	< 5	5	70	0.14	< 10	< 10	71	< 5	120
BR 1077ON 7480E	201	238	< 1	0.01	33	400	6	< 5	2	24	0.12	< 10	< 10	60	< 5	69
BR 1077ON 7530E	201	238	< 1	0.01	66	1030	4	< 5	5	29	0.13	< 10	< 10	71	< 5	131
BR 1077ON 7580E	201	238	1	0.02	47	550	< 2	< 5	6	48	0.19	< 10	< 10	92	< 5	105
BR 1077ON 7630E	201	238	< 1	0.02	60	330	6	< 5	6	45	0.19	< 10	< 10	100	< 5	140
BR 1077ON 7680E	201	238	1	0.02	43	860	6	5	6	28	0.14	< 10	< 10	86	< 5	116
BR 1077ON 7730E	201	238	1	0.02	58	680	10	5	5	37	0.18	< 10	< 10	73	< 5	171
BR 1077ON 7780E	201	238	< 1	0.02	48	340	10	5	6	35	0.18	< 10	< 10	73	< 5	104
BR 1077ON 7830E	201	238	1	0.02	47	250	8	< 5	6	51	0.23	< 10	< 10	84	< 5	83
BR 1092ON 7330E	201	238	2	0.02	39	380	2	5	6	51	0.18	< 10	< 10	76	< 5	73
BR 1092ON 7380E	201	238	2	0.02	44	520	4	5	4	35	0.14	< 10	< 10	60	< 5	111
BR 1097ON 7330E	201	238	2	0.02	27	510	2	< 5	5	37	0.18	< 10	< 10	82	< 5	69
BR 1097ON 7380E	201	238	7	0.02	44	520	4	5	9	47	0.33	< 10	< 10	121	< 5	89
BR 1097ON 7430E	201	238	14	0.01	28	460	8	85	10	49	0.18	< 10	< 10	97	< 5	77
BR 1097ON 7480E	201	238	1	0.02	54	500	< 2	5	6	56	0.22	< 10	< 10	80	< 5	106
BR 1097ON 7530E	201	238	1	0.02	51	460	< 2	10	7	59	0.20	< 10	< 10	84	< 5	86
BR 1097ON 7580E	201	238	1	0.01	44	750	4	< 5	4	32	0.12	< 10	< 10	54	< 5	92
BR 1097ON 7630E	201	238	< 1	0.01	52	700	6	20	5	32	0.13	< 10	< 10	64	< 5	122

CERTIFICATION : B. Caughlin

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

Project : M584
Comments: CC: S. McALLISTER, T.E. LISLE

Page No. : A
Tot. Pa
Date : 29-AUG-88
Invoice # : I-8821454
P.O. # : 36926

CERTIFICATE OF ANALYSIS A8821454

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
BR 10970N 7680E	201	238	5	2.24	0.4	85	160	< 0.5	< 2	0.32	< 0.5	11	49	26	3.25	< 10	< 1	0.11	10	0.70	279
BR 11020N 7330E	201	238	20	2.17	0.4	15	320	< 0.5	2	0.42	< 0.5	10	49	49	3.67	< 10	< 1	0.29	10	0.75	560
BR 11020N 7380E	201	238	5	2.77	0.4	35	180	< 0.5	< 2	0.41	< 0.5	18	59	234	4.34	< 10	1	0.42	10	1.07	311
BR 11120N 7330E	201	238	< 5	2.31	0.6	75	220	< 0.5	< 2	0.30	< 0.5	11	47	51	3.14	< 10	< 1	0.12	10	0.61	331
BR 11120N 7380E	201	238	< 5	2.95	0.4	45	220	< 0.5	< 2	0.37	< 0.5	18	57	56	3.75	< 10	< 1	0.18	10	0.87	321
BR 11220N 7330E	201	238	< 5	2.93	0.4	240	210	< 0.5	< 2	0.41	< 0.5	14	55	192	4.27	< 10	< 1	0.14	10	1.01	292
BR 11220N 7380E	201	238	80	2.41	0.4	780	220	< 0.5	< 2	0.34	< 0.5	17	58	594	4.39	< 10	< 1	0.25	10	1.10	238
BR 11270N 7330E	201	238	< 5	2.28	0.8	105	190	< 0.5	< 2	0.42	< 0.5	11	42	62	2.88	< 10	< 1	0.12	10	0.51	173
BR 11270N 7380E	201	238	< 5	2.76	0.6	375	380	< 0.5	< 2	0.51	< 0.5	18	46	282	4.02	< 10	< 1	0.21	10	0.72	536
BR 11270N 7430E	201	238	20	2.95	0.4	190	230	< 0.5	< 2	0.40	< 0.5	15	48	242	4.01	< 10	< 1	0.15	10	0.72	348
BR 11270N 7480E	201	238	< 5	3.31	0.2	45	140	< 0.5	< 2	0.33	< 0.5	17	71	106	3.83	< 10	3	0.12	10	0.86	279
BR 11270N 7530E	201	238	< 5	3.30	0.2	< 5	210	< 0.5	< 2	0.30	0.5	16	83	48	3.00	< 10	< 1	0.13	10	1.12	359
MG BL 3+00NW	201	238	100	2.61	0.4	110	90	0.5	< 2	0.33	< 0.5	22	130	47	5.33	< 10	2	0.04	20	1.33	746
MG BL 3+25NW	201	238	40	1.76	0.2	160	60	< 0.5	< 2	0.15	< 0.5	20	96	57	5.17	< 10	< 1	0.04	10	0.72	759
MG BL 3+50NW	201	238	130	0.42	0.8	1445	70	< 0.5	< 2	0.03	1.5	20	9	273	4.05	< 10	3	0.11	10	0.06	1205
MG BL 3+75NW	201	238	60	1.37	0.2	90	60	< 0.5	< 2	0.14	< 0.5	9	58	44	3.65	< 10	< 1	0.02	10	0.47	257
MG BL 4+00NW	201	238	< 5	2.39	0.4	35	90	< 0.5	< 2	0.19	< 0.5	11	61	26	3.83	< 10	5	0.06	10	0.47	686

CERTIFICATION : B. Caughlin

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To: CHEVRON CANADA RESOURCES LTD.
MINERALS STAFF
1900 - 1055 W. HASTINGS ST.
VANCOUVER, B.C.
V6E 2E9
Project : M584
Comments: CC: S. McALLISTER , T.E. LISLE

CERTIFICATE OF ANALYSIS A8821454

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
BR 10970N 7680E	201	238	1	0.02	44	980	8	15	4	34	0.15	< 10	< 10	64	< 5	113
BR 11020N 7330E	201	238	< 1	0.02	34	840	2	< 5	5	37	0.18	< 10	< 10	73	< 5	84
BR 11020N 7380E	201	238	3	0.02	45	270	< 2	< 5	7	44	0.35	< 10	< 10	103	< 5	93
BR 11120N 7330E	201	238	1	0.02	42	2030	< 2	5	4	30	0.14	< 10	< 10	60	< 5	122
BR 11120N 7380E	201	238	1	0.02	60	1590	4	< 5	5	39	0.23	< 10	< 10	77	< 5	103
BR 11220N 7330E	201	238	5	0.02	44	360	4	5	7	57	0.22	< 10	< 10	97	< 5	72
BR 11220N 7380E	201	238	16	0.02	44	500	24	35	7	74	0.18	< 10	< 10	92	< 5	79
BR 11270N 7330E	201	238	2	0.03	35	470	14	5	3	46	0.17	< 10	< 10	64	< 5	50
BR 11270N 7380E	201	238	4	0.02	43	490	10	15	5	77	0.16	< 10	< 10	72	< 5	135
BR 11270N 7430E	201	238	4	0.02	43	530	6	5	5	75	0.14	< 10	< 10	65	< 5	140
BR 11270N 7480E	201	238	2	0.02	62	630	8	5	4	49	0.20	< 10	< 10	81	< 5	96
BR 11270N 7530E	201	238	1	0.03	90	1110	6	5	4	34	0.19	< 10	< 10	61	< 5	80
MG BL 3+00NW	201	238	< 1	0.01	113	860	4	< 5	9	34	0.03	< 10	< 10	91	< 5	67
MG BL 3+25NW	201	238	1	0.01	109	850	4	< 5	13	21	0.04	< 10	< 10	92	< 5	70
MG BL 3+50NW	201	238	2	< 0.01	9	440	14	25	4	28	< 0.01	< 10	< 10	17	< 5	461
MG BL 3+75NW	201	238	< 1	0.01	40	300	8	5	6	27	0.10	< 10	< 10	72	< 5	74
MG BL 4+00NW	201	238	< 1	0.01	39	1230	14	< 5	5	24	0.11	< 10	< 10	76	< 5	126

CERTIFICATION : B. Caufield

APPENDIX IV

ANALYTICAL TECHNIQUES

Chemex Labs Ltd.

Analytical Chemists *Geochemists* *Registered Assayers*

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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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Phone: (604) 984-0221
Telex: 043-52597

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

For low grade samples and geochemical materials, 10 gram samples are fused in litharge, carbonate and siliceous flux with the addition of 10 mg of Au-free Ag metal and cupelled. The silver bead is parted with dilute 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 REPORT

PETROGRAPHIC REPORT ON

SAMPLES M584-1 AND 2

WATSON PROJECT

for

CHEVRON MINERALS LTD.

by

J.S. GETSINGER, Ph.D.

NOVEMBER 24, 1988

PETROGRAPHIC REPORT - WATSON PROJECT 88-11-24 J.E.G.

Two samples from the Watson Project were selected for petrographic analysis in order to aid in identification of rock types and alteration (see thin section descriptions, following).

Sample M584-1 is a rusty-weathering, clay-altered quartz-feldspar (rhyodacitic) porphyry crosscut by fractures with associated limonitic alteration extending into the rock. Feldspar phenocrysts are completely pseudomorphed by fine-grained sericite and clay minerals (+_ quartz?). and the groundmass is completely replaced by granular quartz with minor sericite and clay minerals(?). Fracturing and limonitic alteration postdate silicification.

Sample M584-2 is a more highly altered, porous, gossanous rock consisting of minor altered quartz-feldspar porphyry and extensively fractured and limonite-stained quartz vein material. Again the feldspar in the porphyry is altered to fine-grained clay minerals(?) and the groundmass is completely replaced by fine-grained quartz. Silicification continued with repeated fracturing and quartz veining, followed by limonitic alteration.

In both samples, the iron oxides fill fractures in silicified rocks, as a late-stage alteration process. They can be tentatively identified as minor hematite and extensive goethite (in limonite), with some actual opaque material that may be iron oxide or sulphide. No metallic minerals were observed in hand specimen or identified in thin section.

In summary, quartz-feldspar porphyry from the Watson project has been clay-altered and extensively silicified, fractured, quartz-veined, and limonite-altered. This kind of alteration is consistent with a silicified zone in a typical epithermal environment.

PETROGRAPHIC REPORT by J.S. Getsinger, PhD

For: Chevron Minerals Ltd.
Project: Watson - M584
Sample: M584-1

Date: 88-11-24
Collector: S. McAllister
Date Collected: 1988

LOCATION: Watson Project, B.C.

ROCK TYPE: Altered quartz-feldspar (rhyodacitic) porphyry

HAND SPECIMEN: Grab sample 4 x 7 x 10 cm. Weathers brownish-rusty (limonite?) and white (clay alteration). Texture is porphyritic, with about 25% euhedral to subhedral, white feldspar phenocrysts (up to 5 mm, average 2 mm), which remain white after staining, indicating possible plagioclase. About 3% sparse, clear grey, subrounded quartz phenocrysts suggest rhyodacitic composition. Fine-grained groundmass is porous, with about 1-3% rusty-weathered holes (< 0.5 mm); it stains yellow, indicating potassic alteration, and smells like clay. Crosscutting fractures are stained brown (limonite or goethite) for 2 mm on either side, with some darker, submetallic patches along the fracture. Brown crystal shapes in the alteration zone are clearly limonitic alteration of white phenocrysts. Non-magnetic. Very fine-grained, black, dendritic(?) oxides occur within altered feldspar and on crosscutting fractures at right angles to the strongly limonite-stained ones.

THIN SECTION:

% (Approx.) MINERALS

PORPHYRY: Clay-altered feldspar and quartz phenocrysts in an evenly fine-grained, felsic groundmass --

25-30% Phenocrysts:

25% (Feldspar) - Totally altered to very fine-grained, low birefringent clay(?) minerals (+_ quartz?), maintaining euhedral shapes; some sericite alteration also.

3-5% Quartz - Subrounded grains (up to 3 mm) occur sparsely; few inclusions; uniaxial(+); some intergrowth with groundmass feldspar or quartz around the rims, and sericite.

70-75% Groundmass:

60% Quartz (+_ feldspar?) - Subequant, irregularly-intergrown, low birefringent, uniaxial(+) grains; has replaced original groundmass.

5-10% Sericite and clay minerals(?) - Med. and low biref., colourless, flaky minerals, fine-grained

1% Apatite - Med.-high relief prisms, grey biref., hexagonal cross sections, length fast

1-2% Opaques - Disseminated, skeletal grains; somewhat altered to iron oxides

BROWN FRACTURE/VEINLETS AND ALTERATION ZONE:

Goethite, limonite - Opaque to dark red-brown to light orange, high relief iron oxide occurring in veinlets and as replacements of clay-altered feldspar. Redder, higher relief and higher absorption grains are altered to orangish brown alteration; some of the reddish-orange grains show prismatic cleavage and habit.

ROCK TEXTURES/STRUCTURES: Porphyritic texture indicates igneous origin, either volcanic or hypabyssal intrusive; partial limonitic alteration of phenocrysts shows iron oxide alteration postdates clay alteration.

PROTOLITH: Rhyodacite (quartz-feldspar) porphyry (volcanic or hypabyssal intrusive)

ALTERATION/MINERALIZATION: Extensive clay and lesser sericite alteration of feldspar (argillic alteration) and silification, followed by limonitic alteration on crosscutting fractures; minor mineralization predates formation of limonite.

CONDITIONS OF FORMATION: Emplacement of shallow intrusive or volcanic eruptic of rhyodacitic lava. Hydrothermal alteration included argillic, silicic, and limonitic alteration.

PETROGRAPHIC REPORT by J.S. Getsinger, PhD

For: Chevron Minerals Ltd.
Project: Watson - M584
Sample: M584-2

Date: 88-11-24
Collector: S. McAllister
Date Collected: 1988

LOCATION: Watson Project, B.C.

ROCK TYPE: Silicified quartz-feldspar porphyry

HAND SPECIMEN: Grab sample 4 x 6 x 7 cm. Porous, orange-brown (limonitic?) stained, jagged rock has hackly surfaces where solution (weathering or alteration) has taken place. Porosity is at least 25%. Rock appears to be made of iron-stained, broken-up quartz vein material and altered porphyry. White, euhedral rectangular phenocrysts are less than 1 to 2 mm, about 35% of the porphyritic part of the rock (about half the section chip). Staining for had no effect on this rock. The porphyry has an apparently glassy or silicified groundmass, and is crosscut by clear grey to limonite-stained, vugg quartz veins. The rusty quartz vein material apparently postdates the altered porphyry. Non-magnetic. The feldspar may be altered to white clay (smells like clay).

THIN SECTION:

% (Approx.) MINERALS

45% ALTERED PORPHYRY --

35% Phenocrysts:

20-25% (Feldspar) - Euhedral rectangular shapes are completly pseudomorphed by extremely fine-grained, low biref. mass, probably clay minerals (+_ quartz?); some sericite

5-10% Quartz - Subrounded quartz phenocrysts are unaltered; uniaxial(+

1-2% (?) - Prismatic shapes replaced by iron oxides, opaque dust, and sericite may have been mafic phenocrysts

65% Groundmass:

60-65% Quartz - Evenly fine-grained, grey biref. grains in granular texture; untwinned; looks like chert

1-3% Opaques and hydrous iron oxides - Fine-grained and patchy; some opaque dust; grains are dark brown, red (hematitic), and orange (goethite, limonite)

55% QUARTZ VEIN MATERIAL --

Quartz - Coarse to fine-grained, uniaxial(+), in comb structure, in several stages of veins and breccia, crosscut and cemented by limonite and other iron oxides

Limonite and other iron oxides - Occur in skeletal stringers, crosscutting silicified porphyry, cementing fractures in quartz veins, and forming matrix in brecciated quartz veins

Hematite - High relief, red, high absorption grains

Limonite - Orange to yellow, rust-stained dendrites, etc.

Opaques - Iron oxides(?)

ROCK TEXTURES/STRUCTURES: Porphyritic texture is well preserved in shapes but not in mineralogy. Quartz has replaced groundmass, and occurs in crosscutting quartz veins with comb structure. Porosity suggests near-surface weathering or hydrothermal alteration. No deformation textures were noted.

PROTOLITH: Quartz-feldspar porphyry (felsic volcanic)

ALTERATION/MINERALIZATION: Clay alteration of feldspars followed by extensive silicification and multiphase fracturing and quartz veining. Mineralization is associated with quartz, but limonitic alteration postdates major silicification.

CONDITIONS OF FORMATION: Felsic volcanic or shallow intrusive has been clay-altered, silicified, multiply-fractured, quartz-veined, and altered with limonite, during hydrothermal alteration, possibly in an epithermal environment.

APPENDIX VI

GEOHEADER

WATSON 1988 GEOHEADER - M584

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

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

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

WT880001 WT - Watson
WT880001 88 - year
WT880001 0001 - number

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

HQ
HQNQ
NQ

29-34 Date the hole/traverse was collared - year month day

41-46 Initials of person(s) who logged the hole

TEL Tom Lisle
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 - collar (0000.00)
11-16	Meterage of first survey point (0000.00)
21-26	Azimuth in degrees (000.00)
27-32	Dip of the hole at the collar, in degrees (-00.00)
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.
21-26	Azimuth of hole at the meterage where azimuth test was taken, in degrees (000.00). 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 (-00.00).

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)
17-21	Length of sample in metres (00.00)
28-33	Sample number, right justified

GEOLOGICAL INFORMATION:

U1 Type of Interval

P	Primary geological interval, 'PGI'
D	Ditto: Subinterval within the 'PGI' that has most of the same characteristics as the 'PGI'
N	Nest: Subinterval within the 'PGI' that is substantially different from the 'PGI', i.e. dyke, vein or another rock type

U1 Type of Entry

A	Assay information
F	Flag entry
L	Lower tier entry
R	Remarks (columns 17-80)
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)
QBX Quartz-carbonate breccia
PTS Placer trench shear
REC Block recovery
SUM Summary remarks
SVY 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.

CA calcite
CY clay
FS fine sulphides
LI limonite
PY pyrite
SI silica

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. Use the G - scale.

U24-27 Rock Types

CASE	casing
CAVE	caved material
CONG	conglomerate
FAUL	fault zone
FP/D	feldspar porphyry (dyke or sill)
GWAC	greywacke
GRDR	granodiorite
LOST	lost core
MISN	missing core
OVER	overburden
QF/D	quartz-feldspar porphyry (dyke or sill)
QZBX	quartz breccia
RUBL	rubble
SABX	sandstone breccia
SAND	sandstone
SHAL	shale
SIBX	siltstone breccia
SILT	siltstone
SISH	siltstone with shale
TRIC	triconed
VNCQ	vein; calcite-quartz
VNQC	vein; quartz-calcite
VNQS	vein; quartz-stibnite
VNQZ	vein; quartz

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
BD	bedded
BN	banded
BW	boxworked
BX	brecciated
CH	cherty
CM	chilled margin
CT	clastic
EQ	equigranular
FO	foliated

FR	fragmental
IB	interbedded
KR	crackled
LM	laminated
MO	mottled
MX	massive
PA	patchy
PP	porphyritic
RB	rebrecciated
RN	ribbon banded
SH	sheared
SK	stockworked
VG	vuggy
VS	vesicular
VV	veined

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 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

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	VOLCANI-CLASTICS
Glassy		.003 mm	0	CLAY SIZE	A	.003	
	2^{-8}=.004						
Extremely fine grained (aphanitic)	2^{-7}	.008	1	V.FINE SILT	B	.006	fine ash
				FINE SILT	C	.011	
	2^{-6}=.016						
	2^{-5}	.03	2	MEDIUM SILT	D	.022	
				COARSE SILT	E	.044	
	2^{-4}=.06						
Fine grained	2^{-3}	.12	3	V.FINE SAND	F	.088	coarse ash
				FINE SAND	G	.177	
	2^{-2}=.25						
	2^{-1}	.5	4	MEDIUM SAND	H	.354	
				COARSE SAND	I	.707	
	2^{0} = 1						
Medium grained (granular)	2^{1}	2	5	GRIT	J	1.41	
				GRANULE	K	2.83	
	2^{2} = 4						
Coarse grained	2^{3}	8	6	V.SMALL PEBBLE	L	5.66	small lapilli
				SMALL PEBBLE	M	11.3	
	2^{4} = 16						
Very coarse grained	2^{5}	3.2 cm	7	MEDIUM PEBBLE	N	22.6	large lapilli
				LARGE PEBBLE	Ø	45.3	
	2^{6} = 64						
Pegmatitic	2^{7}	13	8	SMALL COBBLE	P	90.5	cobble-size bombs & blocks
				LARGE COBBLE	Q	181	
	2^{8} =250						
Megapegmatitic	2^{9}	½ m	9	SMALL BOULDER	R	362	boulder-size bombs & blocks
				MEDIUM BOULDER	S	724	
	2^{10}= 1m						
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.

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

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

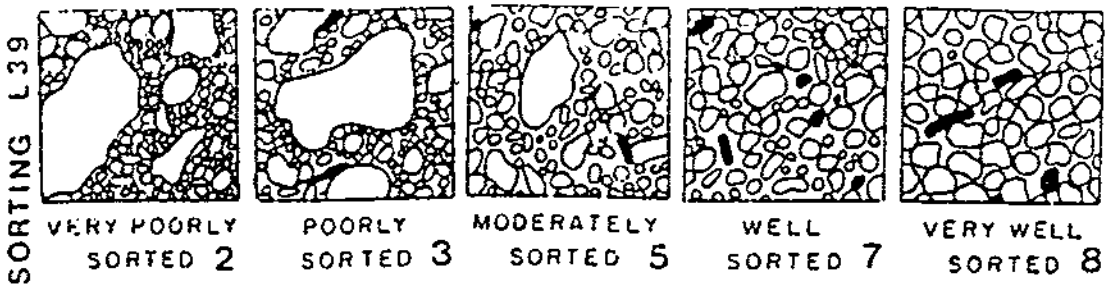
L42 O/C: Framework

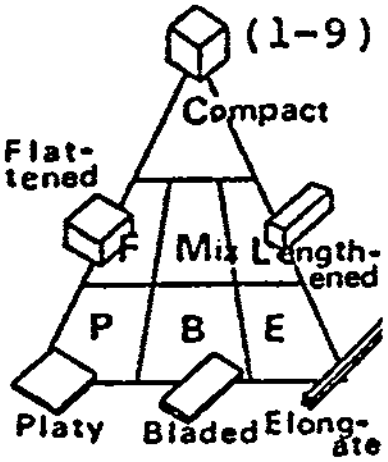
O open: matrix supported
C closed: framework supported

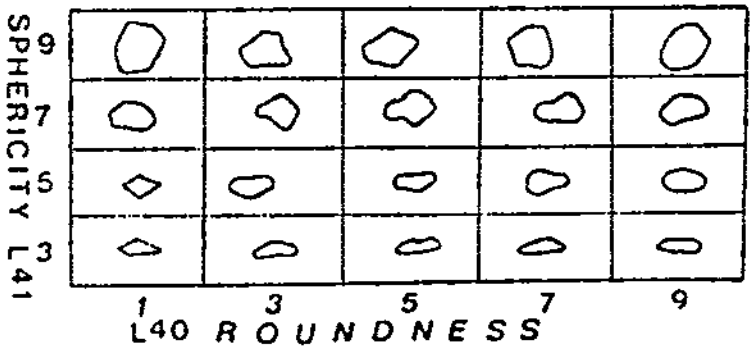
L46 I: total fracture intensity. Use the F-scale

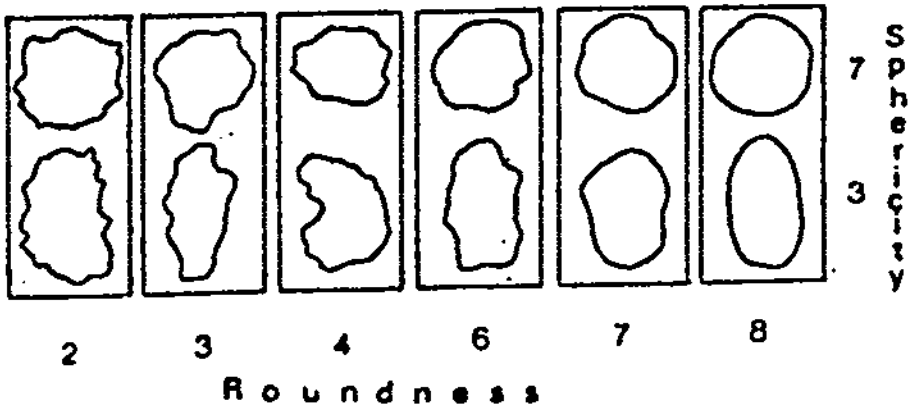
F-scale Fracture intensity

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


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

U48 T1: 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

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

BD bedding
BN banding
CM chilled margin
CV calcite vein
FC fault contact
F/ fracture
FO foliation
LC lower contact
LM lamination
QC quartz-calcite vein
QV quartz vein
S/ shear zone
SS slickensides
SV sulphide vein
UC upper contact
VN vein

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 QZ: quartz
L57-58 CA: calcite
L59-60 MU: muscovite/sericite
U61-62 CY: clay
L61-62 CL: chlorite
U63-64 AK: ankerite
L65-66 HE: hematite

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).

CP	chalcopyrite
GL	galena
MT	magnetite
PL	pyrolusite
SP	sphalerite
TA	talc

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	SB: stibnite
L71-72	AS: arsenopyrite
U73-74	LI: limonite
L73-74	FS: fine sulphides

H-scale - most dominant single mode

A	amygdules
B	blebs
#	breccia matrix fillings
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
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
	macroveins (+10 cm)
	microveins (-1 mm)
W	boxwork
Y	dalmationite

U77 SI: Structural summary

0	minor fracturing
1	fracturing, minor shearing and gouge
2	fracturing, shearing and gouge

L77 FI: Alteration facies

0	fresh, unaltered rock
1	bleached rock minor calcite veining
2	bleached moderately clay altered rock, quartz calcite veining, minor sulphide
3	intensely clay altered rock, densely veined with quartz, calcite, sulphides present.

U78 L78 Facies and structural intensity, using N-scale. No modifier required if U77 or L77 is 0.

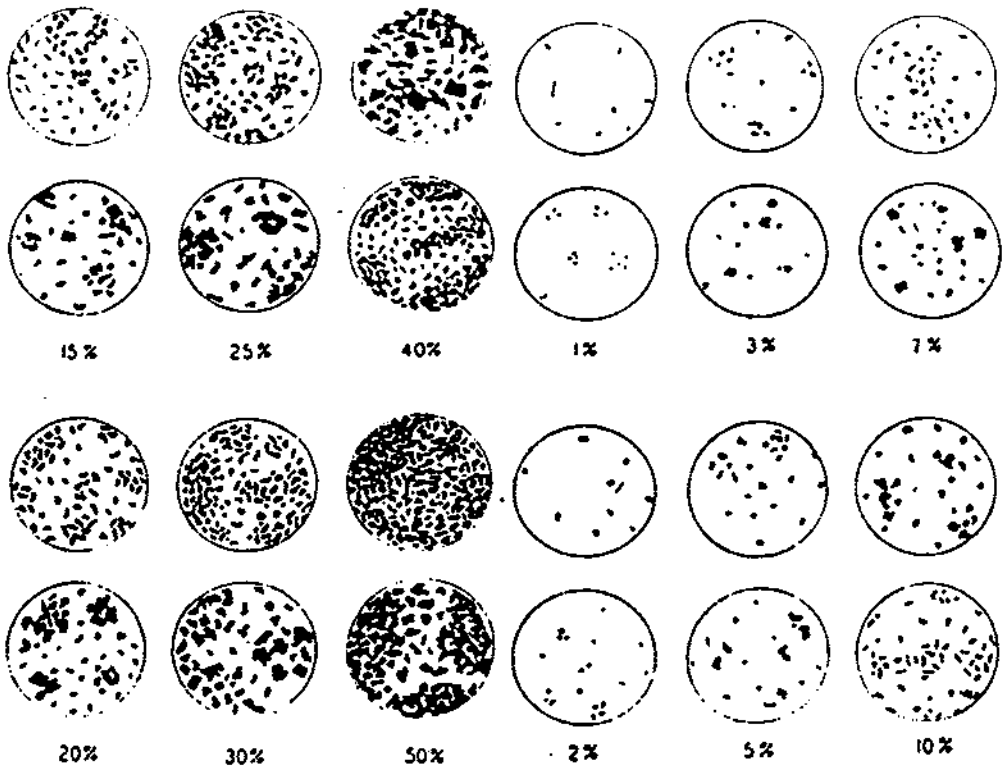
X	completely
9	extremely strong
8	very strong
7	strong
6	fairly strong
5	moderate
4	fairly weak
3	weak
2	very weak
1	extremely weak
0	nil

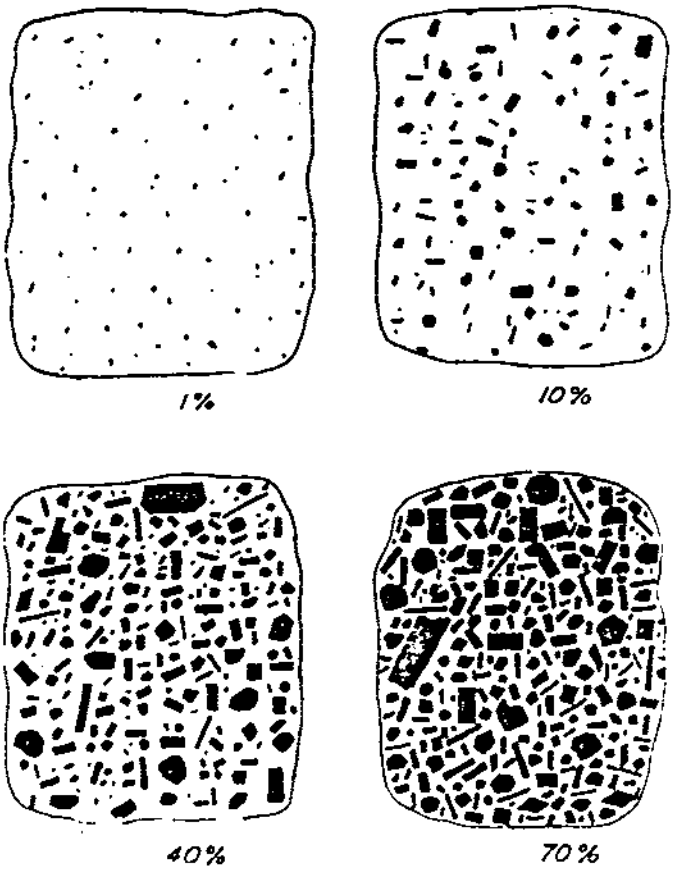
SCALES:

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 - .05
(	.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%


15%
25%
40%
1%
3%
7%
20%
30%
50%
2%
5%
10%


1%
10%
40%
70%

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.

APPENDIX VII

DIAMOND DRILL LOGS

Chevron Minerals Ltd.
M584

DRILLHOLE/TRAVERSE : #T870001

```
PROJECT IDEN   : M584         START DATE      : 87/10/ 6       COMPLETION DATE : 87/10/11      GEOLOGGED BY : TEL + SGM
COLLAR NORTHING: 10100.00     COLLAR EASTING  : 9479.00        COLLAR ELEVATION: 2045.00       GRID AZIMUTH : 0.00
                              TOTAL LENGTH    : 119.78         CORE/HOLE SIZE  : NQ
```

SURVEY FLAG	SURVEY POINT LOCATION	FORESIGHT	AZIMUTH (DEGREES)	VERTICAL ANGLE (DEGREES)	NORTHING	EASTING
000	0.00		78.00	-46.00		
001	119.78		78.00	-52.00		

```
  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 = FT)           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 QZ BI CY CB MG XX PY CP GL YY  SUMMARY
- --- -----.--    -----.--  ----.- -- - ---- -- -- --- -- -- - - - - - -- -- -  - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
K  F                        ROCK   FOR EN RT    TM QM2 TX TX S R S O DIP F     T ID STK DIP KF MU CL EP HE HA PR MO SL 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
Y  G                        DESIG  AGE        COL              R D P C          STRUCTUR-2          A  A  A  A  A  A  A  A


P        0.00      2.44              OVER                            P
 P       0.00      2.44         OVERBURDEN:

P        2.44      7.01              RUBL                            P
R P      2.44      7.01         RUBBLE:

P        7.01     30.48              SILT        BL3 CH MO           P    BN       70 V(                  D/
L                                           AU        LM                              V(                  D/
R P      7.01     30.48         SILTSTONE: MOTTLED BROWN. LOCAL DISS. PYRITE + PYRRHOTITE.
R P      7.01     30.48         LOCAL GREY LAYERS TO 3CM WITH ASSOCIATED FINE SULPHIDES-40-80%
R P      7.01     30.48         GREY LAYERS WITH FS AT 16.15-21.33M. CALCITE VEINS CONCENTRATED
R P      7.01     30.48         FROM 22.25-25.29M. BANDING AT 70DEG. QUARTZ VEINS OCCUR AT
R P      7.01     30.48         23.77-29.87M WITH ASSOCIATED PYRRHOTITE.
R N     11.58     13.11         NO CORE RECOVERED.
N       11.58     13.11             X LOST                           N
R N     14.02     14.93         SHALE: SOFT, GREY-GREEN, MINOR CALCITE VEINING.
N       14.02     14.93             X SHAL                           N    CV       60 V)
L                                           AG
R N     22.25     30.48         SILTSTONE: CHERTY SECTIONS WITH FINE SULPHIDES. BANDING AT
R N     22.25     30.48         70 DEG.. CALCITE + QUARTZ VEINING THROUGH THIS SECTION. GOUGE IN
R N     22.25     30.48         FAULT AT 25.29-28.34M.
N       22.25     30.48             X SILT       BL3 CH MO           D    BN       70 V)    G*              D*
L                                           AU        LM                              V)                  D*

P       30.48     32.00              FP/D                            P    QV       70 V/                  D*
L                                                                                     V/
R P     30.48     32.00         FELDSPAR PORPHYRY: QUARTZ VEINS ARE IRREGULAR. INCREASING
R P     30.48     32.00         CALCITE WITH ASSOCIATED PYRITE.

P       32.00     47.91              SISH           MO CH 6 2 5 2    P    BN       70                     D/
L                                           AG        BN                              V/                  D[illegible]
R P     32.00     47.91         SILTSTONE-SHALE:GREY-GREEN, MOTTLED. LOCAL CHERTY SECTIONS.
R P     32.00     47.91         WELL BANDED ZONE OF CALCITE-PYRRHOTITE PLUS MINOR QUARTZ FILLED
```

Chevron Minerals Ltd.
M584

DRILLHOLE/TRAVERSE : WT870001 (CONTINUED)

```
   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 = FT)           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 QZ BI CY CB MG XX PY CP GL YY  SUMMARY
- --- -----.--   -----.--   ----.- -- - ---- -- -- --- -- -- - - - - -- -- -  - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
K  F                        ROCK   FOR EN RT    TM QM2 TX TX S R S O DIP F     T ID STK DIP KF MU CL EP HE HA PR MO SL 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     32.00     47.91          FRACTURES AT 30 TO 0 DEG. TO CORE AXIS FROM 43.79 TO 47.55M.
R N     35.05     35.66          QUARTZ BRECCIA: GOUGE AT UPPER CONTACT.
N       35.05     35.66             X QZBX           BX SH             N    LC       20 *5     G)           D*
L                                          5A                               SH       20
R N     39.01     43.28          FELDSPAR PORPHYRY DYKE: QUARTZ, CALCITE VEINING IN SHEAR ZONE.
N       39.01     43.28             X FP/D           PP CM             N    UC       70 V*
L                                          5A                               LC       55 **     P*
R       43.28     43.79          SILTSTONE BRECCIA: SILICIFIED WITH PYRITE
N       43.28     43.79             X SIBX           BX BN             N                P2                 D)
L                                          5U                               BN       40

P       47.91     50.78               FP/D           PP                P                V(                 D/
L                                                                                       V*                 D/
R P     47.91     50.78          FELDSPAR PORPHYRY: SMALL INCLUSION OF BROWN SILSTONE AT 49.07M.
R P     47.91     50.78          VEINING IS LOCAL.

P       50.78     96.62               SILT           CH BN             P    BN       50                    D/
L                                          5A                               LC       55 V/                       D/
R P     50.78     96.62          SILTSTONE: CHERTY, WELL BANDED, GREY TO LOCALLY MOTTLED BROWN.
R P     50.78     96.62          FINE SULPHIDES IN GREY CHERTY BANDS AT 56.75-58.76M, WITH
R P     50.78     96.62          CALCITE VEINS. DECREASING BROWN ALTERATION AT 58.76-72.54M.
R P     50.78     96.62          LOCALLY PYRITIC AT 72.54-93.57M. CLAY GOUGE AT 93.54-96.62M.

P       96.62    119.78               QF/D           PP                P                                   D.       CP
L                                                                                                          D-       D.
R P     96.62    119.78          QUARTZ FELDSPAR PORPHYRY: GENERALLY UNALTERED, BUT SLIGHT PINK
R P     96.62    119.78          DISCOLOURATION AT 96.62-98.76M. INCREASE IN CALCITE AND PYRITE
R P     96.62    119.78          AT 119.18.
R P    110.34    117.04          QUARTZ FELDSPAR PORPHYRY: CLAY ALTERED AND STRONGLY LIMONITIC,
R P    110.34    117.04          LIMONITE FORMS ENVELOPED AROUND 20-25 DEG. FRACTURES. FRACTURES
R P    110.34    117.04          MARKED BY QUARTZ, PYRITE, AND DARK GREY VEINS. GOUGE, CHLORITE
R P    110.34    117.04          AND PYRITE AT LOWER CONTACT.
N      110.34    117.04             X QF/D           PP                D    F/       20 V/     P/          D.    E/ CP
L                                                                           LC       15        G/          D-       D.
```

LINE	FROM	TO	NUMBER	LENGTH	AUPPB	ASPPM
1	28.35	29.11	82584	0.76	15	815
2	29.11	29.87	82585	0.76	25	235
3	34.05	35.05	82586	1.00	10	50
4	35.05	35.66	82587	0.61	335	6355
5	35.66	36.66	82588	1.00	10	285
6	36.66	37.66	82589	1.00	5	195
7	37.66	38.66	82590	1.00	0	30
8	38.66	39.66	82591	1.00	0	20
9	39.66	40.66	82592	1.00	105	185
10	40.66	41.66	82593	1.00	25	225
11	47.85	48.85	82594	1.00	70	115
12	48.85	49.85	82595	1.00	0	40
13	49.85	50.85	82596	1.00	0	305
14	58.83	59.82	82597	0.99	50	55
15	83.21	84.21	82598	1.00	0	40
16	90.16	91.16	82599	1.00	0	40
17	94.62	95.25	82600	0.63	820	60
18	95.62	96.62	82601	1.00	5	40
19	96.62	97.62	82602	1.00	10	5
20	110.17	111.17	82603	1.00	125	60
21	111.17	112.17	82604	1.00	110	140
22	112.17	113.17	82605	1.00	40	25
23	113.17	114.17	82606	1.00	25	35
24	114.17	115.17	82607	1.00	25	165
25	115.17	116.17	82608	1.00	70	25
26	118.79	119.78	82609	0.99	70	15

Chevron Minerals Ltd.
M584

DRILLHOLE/TRAVERSE : WT87C002

PROJECT IDEN : M584 START DATE : 87/10/11 COMPLETION DATE : 87/10/15 GEOLOGGED BY : TEL + SSM
COLLAR NORTHING: 10164.00 COLLAR EASTING : 9585.00 COLLAR ELEVATION: 1984.00 GRID AZIMUTH : 1.00
TOTAL LENGTH : 129.54 CORE/HOLE SIZE : NQ

SURVEY FLAG	SURVEY POINT LOCATION	FORESIGHT	AZIMUTH (DEGREES)	VERTICAL ANGLE (DEGREES)	NORTHING	EASTING
000	0.00		305.00	-45.00		
001	129.54		305.00	-48.00		

KEY	FLAG	INTERVAL FROM (UNITS = FT)	INTERVAL TO	CORE RECOVERY (%)	% ROCK MINERAL TYPE	TYPIFYING MINERAL 1	TYPIFYING MINERAL 2	QAL MATRIX MINERAL	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 QZ	ALTERATION H A BI	ALTERATION H A CY	ALTERATION H A CB	ALTERATION H A MG	ALTERATION MINS H A ANY MIN	ORE-TYPE H A XX	ORE-TYPE H A PY	ORE-TYPE H A CP	ORE-TYPE H A GL	ORE-TYPE MINS H A YY MIN	SUMMARY
		0.00	3.04		CASE											P																
		3.04	3.96		RUBL											P																
R	P	3.04	3.96	RUBBLE																												
P		3.96	88.54		QF/D		PP				P						F/		15	V/	P/						D/		E/		
L																	LC		35	V/							D.				
R	P	3.96	88.54	QUARTZ FELDSPAR PORPHYRY: VARIABLY CLAY ALTERED, LIMONITIC																												
R	P	3.96	88.54	ENVELOPE SURROUNDING FRACTURES, MEDIUM FINE GRAINED ZONES OF NO																												
R	P	3.96	88.54	CLAY ALTERATION AT 17.68-21.03, 23.47-31.54, 41.76-48.77,																												
R	P	3.96	88.54	49.53-59.53, 61.57-67.48 AND 70.41-73.76M. SCATTER																												
R	P	3.96	88.54	QUARTZ-CARBONATE VEINLETS WITH PYRITE FILLING FRACTURES. FAULT																												
R	P	3.96	88.54	GOUGE AT 45DEG. AT 28.65, 29.26 AND 29.57M. SILICIFIED																												
R	P	3.96	88.54	INCLUSION AT 29.57M. 3CM CHALCEDONY VEIN AT 49.07 AT 65 DEG.																												
R	P	3.96	88.54	BROWN ALTERATION WITH STRONGE GOUGE IN 30DEG. SHEAR AT 60.35M.																												
R	P	3.96	88.54	MINOR FINE SULPHIDES AND CHALCEDONY BAND AT 69.8M AT 90 DEG.																												
R	P	3.96	88.54	BRECCIATED LOWER CONTACT AT 35 DEG.																												
P		88.54	122.07		SAND		BN				P		BN		20	V)	P/								D/	D.					
L						5A										V/													D.	D.		
R	P	88.54	122.07	SANDSTONE (GREYWACKE): CLAY ALTERED, 1% CHALCEDONY-FILLED																												
R	P	88.54	122.07	FRACTURES, LOCALLY TO 8%, DISSEMINATED PYRITE . POSSIBLE																												
R	P	88.54	122.07	STIBNITE AT 92.35M. ZONE OF BRECCIATION AT 99.21-99.97M.																												
R	P	88.54	122.07	CHALCEDONY, QUARTZ, STIBNITE ZONE AT 25-40 DEG. AT																												
R	P	88.54	122.07	105.61-106.07M. QUARTZ, PYRITE, ARSENOPYRITE ZONE AT																												
R	P	88.54	122.07	106.63-106.98M. STRONGLY LIMONITIC ZONE WITH INCREASED QUARTZ																												
R	P	88.54	122.07	AT 112.32-113.39M. SILICEOUS ZONE WITH PYRITE, ARSENOPYRITE AND																												
R	P	88.54	122.07	STIBNITE AT 113.39-117.04M. ZONE OF QUARTZ, CHALCEDONY, PYRITE																												
R	P	88.54	122.07	AT 117.04-122.04M. LOWER CONTACT LIMONITIC WITH CLAY GOUGE.																												
P		122.07	129.54		QF/D		PP				P		F/		25		P/															
L													F/		60																
R	P	122.07	129.54	QUARTZ FELDSPAR PORPHYRY: STRONG CLAY ALTERATION, PYRITIC																												

KEY	FLAG	INTERVAL FROM	INTERVAL TO	ROCK QUAL DESIG	FOR MEM AGE	EN V	RT Q	TM QM2 LC-COL	TX TX 3 3	S R S O N H / R D P C	DIP F SML I	T	STRUCTUR-2 ID	STK AZM	DIP RT	KF H A	MU H A	CL H A	EP H A	HE H A	HA H A	PR H A	MO H A	SL H A	HA H A
K E Y	F L G																								

Chevron Minerals Ltd.
M584

DRILLHOLE/TRAVERSE : WT870002 (CONTINUED)

KEY	FROM	TO	CORE RECOVERY (%)	% MINX	ROCK TYPE	TYPIFYING MIN 1	TYPIFYING MIN 2	QAL MIN MAT 1	TEXTURES TX 1	TEXTURES TX 2	GRAIN CHARACS F	C	%	M	FRACTURE #	FRACTURE TK	STRUCTURE-1 T	ID	STK AZM	DIP RT	ALTERATION QZ	BI	CY	CB	MG	MINS XX	PY	CP	GL	ORE-TYPE MINS YY	SUMMARY
	(UNITS = FT)																													
																	1				A	A	A	A	A	ANY	A	A	A	ANY	
																					H	H	H	H	H	MIN	H	H	H	MIN	
KEY	FROM	TO	ROCK QUAL DESIG	FOR MEM AGE	EN V	RT Q	TM LC-COL	QM2 3	TX 3	TX 4	S O R N R D	R H P C	S /	O DIP SML	F I		2				H	H	H	H	H	H	H	H	H		
																	STRUCTUR-2				A	A	A	A	A	A	A	A	A		
R	P	122.07	129.54																												

FRACTURES COMMON. LIMONITIC ZONE AT 122.07-122.68M.

LINE	FROM	TO	NUMBER	LENGTH	AUPPB	ASPPM
1	5.64	6.64	82610	1.00	20	140
2	6.64	7.64	82611	1.00	0	55
3	7.64	8.68	82612	1.04	0	55
4	8.68	9.64	82613	0.96	0	20
5	9.64	10.64	82614	1.00	0	20
6	10.64	11.64	82615	1.00	30	20
7	11.64	12.64	82616	1.00	160	375
8	12.64	13.64	82617	1.00	85	20
9	13.64	14.64	82618	1.00	100	30
10	14.64	15.62	82619	0.98	80	30
11	15.62	16.64	82620	1.02	100	135
12	16.64	17.68	82621	1.04	65	60
13	17.68	18.62	82622	0.94	55	25
14	18.62	19.62	82623	1.00	45	20
15	21.03	22.03	82624	1.00	20	40
16	22.03	23.03	82625	1.00	115	95
17	33.83	34.83	82626	1.00	40	30
18	51.44	52.43	82627	0.99	10	10
19	58.67	59.67	82628	1.00	30	5
20	59.67	60.53	82629	0.86	25	35
21	60.53	61.57	82630	1.04	45	20
22	67.77	68.77	82631	1.00	30	105
23	68.77	69.77	82632	1.00	25	40
24	69.77	70.77	82633	1.00	130	80
25	70.77	71.77	82634	1.00	470	25
26	71.77	72.77	82635	1.00	35	20
27	72.77	73.77	82636	1.00	40	40
28	73.77	74.77	82637	1.00	55	40
29	74.77	75.77	82638	1.00	20	210
30	75.77	76.77	82639	1.00	80	65
31	76.77	77.77	82640	1.00	15	70
32	77.77	78.77	82641	1.00	70	425
33	78.77	79.77	82642	1.00	175	115
34	79.77	80.77	82643	1.00	840	125
35	80.77	81.77	82644	1.00	65	105
36	81.77	82.77	82645	1.00	90	220
37	82.77	83.77	82646	1.00	95	215
38	83.77	84.77	82647	1.00	75	155
39	84.77	85.77	82648	1.00	75	145
40	85.77	86.77	82649	1.00	70	190
41	86.77	88.03	82650	1.23	50	190
42	88.03	88.70	82351	0.67	75	330
43	88.70	89.70	82352	1.00	30	355
44	89.70	90.70	82353	1.00	600	3500
45	90.70	91.70	82354	1.00	125	400
46	91.70	92.70	82355	1.00	45	1160
47	92.70	93.70	82356	1.00	30	665
48	93.70	94.70	82357	1.00	35	1315
49	94.70	95.70	82358	1.00	10	2730
50	95.70	96.70	82359	1.00	10	245
51	96.70	97.69	82360	0.99	20	565
52	97.69	98.69	82361	1.00	30	425
53	98.69	99.70	82362	1.01	0	1010
54	99.70	100.70	82363	1.00	55	1920

LINE	FROM	TO	NUMBER	LENGTH	AUPPB	ASPPM
55	100.70	101.70	82364	1.00	20	400
56	101.70	102.63	82365	0.93	0	255
57	102.63	103.70	82366	1.07	25	310
58	103.70	104.66	82367	0.96	40	70
59	104.66	105.46	82368	0.80	60	100
60	105.46	106.22	82369	0.76	540	3365
61	106.22	107.22	82370	1.00	0	450
62	107.22	108.22	82371	1.00	15	150
63	108.22	109.22	82372	1.00	90	125
64	109.22	110.22	82373	1.00	45	115
65	110.22	111.22	82374	1.00	60	145
66	111.22	112.22	82375	1.00	10	270
67	112.22	113.22	82376	1.00	385	1110
68	113.22	114.22	82377	1.00	200	3340
69	114.22	115.43	82378	1.21	105	5015
70	115.43	116.43	82379	1.00	15	775
71	116.43	117.43	82380	1.00	85	1545
72	117.43	118.43	82381	1.00	670	1365
73	118.43	119.43	82382	1.00	70	1090
74	119.43	120.43	82383	1.00	95	855
75	120.43	121.43	82384	1.00	60	795
76	121.43	122.43	82385	1.00	60	845
77	122.43	123.43	82386	1.00	125	255
78	123.43	124.88	82387	1.43	130	110
79	124.88	125.88	82388	1.00	55	540

Chevron Minerals Ltd.
M584

DRILLHOLE/TRAVERSE : MT870003

PROJECT IDEN : M584 START DATE : 87/10/15 COMPLETION DATE : 87/10/18 GEOLOGGED BY : TEL + SGM
COLLAR NORTHING: 10134.00 COLLAR EASTING : 9655.00 COLLAR ELEVATION: 1986.00 GRID AZIMUTH : 0.00
TOTAL LENGTH : 119.79 CORE/HOLE SIZE : NQ

SURVEY FLAG	SURVEY POINT LOCATION	FORESIGHT	AZIMUTH (DEGREES)	VERTICAL ANGLE (DEGREES)	NORTHING	EASTING
000	0.00		293.00	-44.00		
001	119.79		293.00	-48.00		

K	L	INTERVAL FROM	INTERVAL TO	CORE RECOVERY (%)	% H I	ROCK TYPE	TYPIFYING MIN 1	TYPIFYING MIN 2	QAL MIN MAT	TEXTURES TX 1	TEXTURES TX 2	GRAIN CHARACS F	C	% M	FRACTURE P	# TK	STRUCTUR-1 T	ID	STK AZM	DIP RT	ALTERATION MINS H A QZ	H A BI	H A CY	H A CB	H A MG	ANY MIN XX	H A PY	H A CP	H A GL	ANY MIN YY	ORE-TYPE MINS SUMMARY
K	F			ROCK QUAL DESIG	FOR MEM AGE	EN V	RT Q	QM2 LC- 3 COL		TX 3	TX 4	S O R	R N D	H P C	DIP / SML	F I	STRUCTUR-2 T	ID	STK AZM	DIP RT	KF H A	MU H A	CL H A	EP H A	HE H A	HA H A	PR H A	MO H A	SL H A	HA H A	
		0.00	2.44				CASE									P														
	P	0.00	2.44				CASING.																							
P		2.44	3.04				RUBL									P														
R	P	2.44	3.04				RUBBLE.																							
P		3.04	34.44				QF/D	PP								P				V/	P/					D/				
L								GU																						
R	P	3.04	34.44				QUARTZ FELDSPAR PORPHYRY: MEDIUM TO COURSE GRAINED , MODERATELY																							
R	P	3.04	34.44				CLAY ALTERED, MINOR CHALCEDONY, WITH STRONG CLAY ALTERATION AT																							
R	P	3.04	34.44				28.96-31.09 AND 33.53-34.44M.																							
R	N	6.71	17.98				QUARTZ FELDSPAR PORPHYRY: BROWN, FINE TO MEDIUM GRAINED ,																							
R	N	6.71	17.98				RELATIVELY UNALTERED. SECTION HAS A GREENISH CAST.																							
N		6.71	17.98				X QF/D	PP								N														
P		34.44	44.35				SILT	BN								P	BN	25	</							D-				
L								AG											</											
R	P	34.44	44.35				SILTSTONE: GREY-GREEN, WELL BANDED AT 20-25 DEG. SCATTERED																							
R	P	34.44	44.35				QUARTZ CALCITE MICROVEINS WITH MINOR PYRITE.																							
P		44.35	62.79				QF/D	PP								P	F/	20								D/	E/			
L																	F/	50												
R	P	44.35	62.79				QUARTZ FELDSPAR PORPHYRY: MODERATE TO STRONG CLAY ALTERATION.																							
R	P	44.35	62.79				LIMONITIC ENVELOPES AROUND FRACTURES AT 20-50 DEG. TO CORE																							
R	P	44.35	62.79				AXIS. HIGHLY ALTERED SECTIONS ARE VUGGY WITH DISSEMINATED																							
R	P	44.35	62.79				PYRITE. LIMONITIC GOUGE AT 58.34M. LOWER CONTACTS HIGHLY																							
	P	44.35	62.79				BROKEN.																							
R	N	58.34	60.81				SILTSTONE: CHERTY AT TOP, BANDED, WELL SHATTERED, GREY TO DARK																							
R	N	58.34	60.81				GREY CHALCEDONIC BRECCIA ZONE WITH MINOR PYRITE AT																							
R	N	58.34	60.81				59.53-60.11M.																							
N		58.34	60.81				X SILT	BN SH								N	BN	40								C.				
L								SA									LC	70												
P		62.79	82.60				SILT	BN CH								P	F/	40								-				

Chevron Minerals Ltd.
M564

DRILLHOLE/TRAVERSE : WTS70003 (CONTINUED)

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  F   - I N T E R V A L -   CORE      %     TYPI- CAL  TEX-  GRAIN FRAC-       STRUCTUR-1 ALTERATION MINS  ORE-TYPE MINS
K  L (UNITS = FT)           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 QZ BI CY CB MG XX PY CP GL YY   SUMMARY
- --- -----.--   -----.--   ----.- -- - ---- -- -- --- -- -- - - - - -- -- - - -- --- --- -- -- -- -- -- -- -- -- -- --   - - - -
K  F                        ROCK   FOR EN RT    TM QM2 TX TX S R S O DIP F   T ID STK DIP KF MU CL EP HE HA PR MO SL HA
E  L                        QUAL   MEM  V  Q LC- 3      3  4 O N H / SHL 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

L                                            5A                                 LC      30 L/
R P     62.79       82.60        SILTSTONE: LIMONITIC TO GREY, TO BLUISH-GREY AT BASE OF SECTION,
R P     62.79       82.60        20% INTERBEDDED SANDSTONE AT 66.45-72.66 AND 66.45-72.66M. WELL
R P     62.79       82.60        BANDED. GOUGY LIMONITIC ZONE AT 80.62M AND STRONG 15 DEG.
R P     62.79       82.60        PYRITE FRACTURE AT 81.23M.
R N     72.66       79.16        SANDSTONE: MASSIVE WITH LOCAL LIMONITIC SECTIONS, 70% PERVASIVE
R N     72.66       79.16        CLAY ALTERATION, LOCAL QUARTZ-CARBONITE FRACTURES AT 30 DEG.
R N     72.66       79.16        1-2% DISSEMINATED PYRITE.
N       72.66       79.16            X SAND                              N    F/      30 (/     P7           D)
L                                                                                        (/

P       82.60       100.55             SAND          MO                  P               (/                  D/      /
L                                            5A                                          (/                   V/
        82.60       100.55       SANDSTONE: MEDIUM TO COARSE GRAINED COMMONLY LIMONITIC BROWN,
        82.60       100.55       MOTTLED, WEAKLY TO MODERATELY ALTERED. STRONGLY BROKEN
R P     82.60       100.55       LIMONITIC ZONES AT 84.43, 85.04 AND 88.7M. A 6CM
R P     82.60       100.55       QUARTZ-PYRITE-ARSENOPYRITE BAND AT 45 DEG. AT 85.65M. SECTION
R P     82.60       100.55       OF HIGHLY BROKEN SANDSTONE WITH STRONG LIMONITIC AND MN STAIN
R P     82.60       100.55       AT 97.54-100.35M.
R N     89.31       97.54        SADNSTONE: MASSIVE, MEDIUM TO COARSED GRAINED, WEAK PERVASIVE
R N     89.31       97.54        ALTERATION - MOTTLED BROWN OR GREEN AND UNALTERED. STRONG
R N     89.31       97.54        QUARTZ-CARBONATE FRACTURE ZONE WITH PYRITE AT 30DEG. AT
R N     89.31       97.54        94.18-94.33M. LOWER CONTACT FRACTURED AND LIMONITIC.
N       89.31       97.54            X SAND                              N    LC      50 V/                  D/
L                                            GU                                          V/

P       100.55      119.79             QF/D                              P    F/      40 V/     G/           V)
L                                            5T                                          V/
R P     100.55      119.79       QUARTZ FELDSPAR PORPHYRY: BUFF AND WEAKLY ALTERED TO 102.87M
R P     100.55      119.79       THEN UNLATERED TO END OF HOLE. 1% PYRITE IN 40DEG. FRACTURES.
R P     100.55      119.79       INCREASE IN GOUGE AND QUARTZ-CARBONATE FRACTURES WITH DEPTH.
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DATE: 19/DEC/88 M584 - T870003 PAGE
AD01 ASSAY FILE

LINE	FROM	TO	NUMBER	LENGTH	AUPPB	ASPPM
1	25.60	26.96	248071	1.36	190	760
2	26.96	27.96	82549	1.00	820	425
3	27.96	28.96	82550	1.00	475	575
4	28.96	29.96	82551	1.00	465	725
5	29.96	30.96	82552	1.00	130	270
6	44.35	45.57	82553	.22	150	80
7	45.57	46.57	82554	1.00	265	215
8	46.57	47.57	82555	1.00	125	60
9	47.57	48.57	82556	1.00	245	205
10	48.57	49.57	82557	1.00	55	210
11	49.57	50.57	82558	1.00	75	95
12	50.57	51.57	82559	1.00	65	90
13	51.57	52.56	82560	0.99	95	120
14	52.56	53.57	82561	1.01	20	95
15	53.57	54.57	82562	1.00	55	325
16	54.57	55.57	82563	1.00	30	155
17	55.57	56.56	82564	0.99	40	225
18	56.56	57.56	82565	1.00	440	1010
19	57.56	58.34	82566	0.78	100	330
20	58.34	59.34	82567	1.00	30	210
21	59.34	60.34	82568	1.00	5	175
22	61.78	62.78	248072	1.00	15	300
23	62.78	63.78	82569	1.00	245	2095
24	63.78	64.79	82570	1.01	10	395
25	64.79	65.79	82571	1.00	5	225
26	68.28	69.27	82572	0.99	50	470
27	74.07	75.07	82573	1.00	0	125
28	80.16	81.16	82574	1.00	0	195
29	81.16	82.16	248073	1.00	10	140
30	83.65	84.65	248074	1.00	25	1765
31	84.65	85.65	82575	1.00	5	1690
32	85.65	85.83	82576	0.18	10000	9999
33	85.83	86.83	248075	1.00	55	1230
34	86.83	87.83	248076	1.00	40	2060
35	96.55	97.55	248077	1.00	80	465
36	97.55	98.55	82577	1.00	225	1045
37	98.55	99.55	82578	1.00	40	775
38	99.55	100.55	82579	1.00	20	1260
39	100.55	101.55	82580	1.00	160	1205
40	101.55	102.55	248078	1.00	20	565
41	106.22	107.22	82581	1.00	5	30
42	111.38	112.38	248079	1.00	145	40
43	112.38	113.38	82582	1.00	280	1420
44	113.38	114.38	248080	1.00	35	65
45	118.79	119.79	82583	1.00	0	15

Chevron Minerals Ltd.
M584

DRILLHOLE/TRAVERSE : WT87006

PROJECT IDEN : M584 START DATE : 87/10/12 COMPLETION DATE : 87/10/20 GEOLOGGED BY : EL + SM
COLLAR NORTHING: 10045.00 COLLAR EASTING : 9456.00 COLLAR ELEVATION: 2043.00 GRID AZIMUTH : 180
TOTAL LENGTH : 119.63 CORE/HOLE SIZE : NQ

	SURVEY FLAG	SURVEY POINT LOCATION	FORESIGHT	AZIMUTH (DEGREES)	VERTICAL ANGLE (DEGREES)	NORTHING	EASTING
	000	0.00		79.00	-46.00		
	001	119.63		79.00	-50.00		

K	F L (UNITS = FT) A G	- I N T E R V A L - F R O M - T O	CORE RECOVERY (%)	% M ROCK I X	TYPE	TYPIFYING 1	TYPIFYING 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 MINS H A QZ	H A BI	H A CY	H A CB	H A MG	ORE-TYPE MINS H A XX	H A PY	H A CP	H A GL	ANY MIN H A YY	SUMMARY
P		0.00 10.97			CASE												P														
C		0.00 10.97			CASING: QUARTZ FELDSPAR PORPHYRY BOULDER AT 0.67-10.97M.																											
P		10.97 59.89			SILT		BL5 BD LM										P	BD	65						D/		E/				
L						AU		MO																			D/				
R P		10.97 59.89			SILTSTONE: BLEACHED, WELL ALTERED, UP TO 20% INTERBEDDED, VERY																											
R P		10.97 59.89			FINE GRAINED SANDSTONE, LIMONITIC ENVELOPES, NUMEROUS BROWN																											
R P		10.97 59.89			FRACTURES, LIMONITIC FAULT AT 32.31M. SILICIFIED WITH																											
R P		10.97 59.89			ARSENOPYRITE AT 34.44-35.05 M. QUARTZ RICH ZONE WITH FINE																											
R P		10.97 59.89			SULPHIDES AT 35.44-35.97M. SILICEOUS BANDING AT 39.96M.																											
R P		10.97 59.89			SILICIFIED AT 50.90M. LIMONITIC QUARTZ, CARBONATE FRACTURES																											
R P		10.97 59.89			WITH PYRITE AT 51.05-53.95M. MINOR SILICIFICATION AT 57.61M.																											
R N		42.98 46.79			SILTSTONE: MAINLY UNALTERED, GREY-GREEN WITH VERY FINE GRAINED																											
R N		42.98 46.79			SILTSTONE LAYERS, WELL FRACTURED AT 42.98-43.58M.																											
N		42.98 46.79		X	SILT												N														
L						AG																									
P		59.89 61.57			QF/D		PP										P	F/	15												
L						SG																									
R P		59.89 61.57			QUARTZ FELDSPAR PORPHYRY: GREEN, UNALTERED, WITH 6% HORNBLENDE																											
R P		59.89 61.57			PHENOCRYSTS. CARBONATE FRACTURES AT 15 DEG., LOWER CONTACT IS																											
R P		59.89 61.57			GRADATIONAL.																											
P		61.57 64.17			QF/D												P	LC	50		P										
L						BU																									
R P		61.57 64.17			QUARTZ FELDSPAR PORPHYRY: PALE BROWN, MODERATE TO STRONG CLAY																											
R		61.57 64.17			ALTERATION.																											
P		64.17 90.74			SILT		BL2 BN CH										P	BN	45						D/						
L						AU																									
R P		64.17 90.74			SILTSTONE: BROWN GREY, WELL BANDED, CHERTY, QUARTZ, CARBONATE																											
R P		64.17 90.74			FILLED FRACTURES AT 40 DEG. FIT 64.16-70.46M, LOCALLY																											
R P		64.17 90.74			BRECCIATED. STRONGLY BLEACHED AT 76.35-77.20M. WEAK																											

Chevron Minerals Ltd.
M584

DRILLHOLE/TRAVERSE : WT870004 (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-T PE MINS
K  L (UNITS = FT)         RECOV-    M ROCK FYING MIN TURES CHARACS TURE                  H  H  H  H  H ANY 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 QZ BI CY CB MG XX PY CP GL YY   SUMMARY
- --- -----.--  -----.--  ----.- -- - ---- -- -- --- -- -- - - - - -- -- -  - -- --- --- -- -- -- -- -- -- -- -- -- --   - - - -
K  F                      ROCK  FOR EN RT    TM QM2 TX TX S R S O DIP F      T ID STK DIP KF MU CL EP HE HA PR MO SL 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
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KEY	FLAG	FROM	TO	ROCK TYPE / DESCRIPTION	FRACTURE	QZ	PY
R	P	64.17	90.74	SILICIFICATION AT 78.49-78.64M. HIGHLY FRACTURED SECTION AT			
R	P	64.17	90.74	78.64-85.04M. STRONGLY ALTERED AT 86.26-87.02 AND 90.53-90.68M.			
R	P	64.17	90.74	PYRITE ZONE AT 89.31-89.91M.			
	P	90.74	91.14	LOST	P		
R	P	90.74	91.14	NO CORE RECOVERED.			
	P	91.14	119.63	QF/D	P	V/	D/
	L					V/	
R	P	91.14	119.63	QUARTZ FELDSPAR PORPHYRY: VARIABLY CLAY ALTERED. SILICIOUS			
R	P	91.14	119.63	SECTION AT 91.44-93.27M WITH SCATTERED PYRITE. PYRITE FRACTURE			
R	P	91.14	119.63	AT 95.4M AT 40DEG. QUARTZ VEIN IN SHEAR ZONE AT 10DEG. AT			
R	P	91.14	119.63	103.48M. STRONG CLAY ALTERATION WITH LOCAL SILICIFICATION			
	P	91.14	119.63	AT112.32-113.69M. RELATIVELY UNALTERED AT 113.69 TO END OF			
	P	91.14	119.63	HOLE.			

LINE	FROM	TO	NUMBER	LENGTH	AUPPB	ASPPM
1	11.19	12.19	82501	1.00	25	10
2	16.19	17.19	82502	1.00	15	10
3	19.81	20.42	82503	0.61	40	35
4	20.42	21.34	82504	0.92	10	15
5	21.34	22.34	82505	1.00	35	20
6	27.33	28.33	82506	1.00	25	20
7	28.33	29.33	82507	1.00	20	25
8	31.31	32.31	82508	1.00	30	55
9	32.31	33.31	82509	1.00	20	755
10	33.31	34.44	82510	1.13	90	285
11	34.44	35.44	82511	1.00	125	150
12	35.44	35.97	82512	0.53	70	3625
13	35.97	36.44	82513	0.47	70	865
14	36.44	37.44	82514	1.00	15	525
15	37.44	38.44	82515	1.00	10	535
16	38.44	39.44	82516	1.00	5	175
17	39.44	40.44	82517	1.00	0	85
18	40.44	41.44	82518	1.00	0	320
19	41.44	42.44	82519	1.00	10	445
20	45.44	46.44	82520	1.00	5	185
21	50.44	51.44	82521	1.00	0	70
22	51.44	52.44	82522	1.00	0	135
23	52.44	53.10	82523	0.66	0	50
24	53.10	54.10	82524	1.00	65	50
25	54.10	55.10	82525	1.00	0	50
26	62.16	63.16	82526	1.00	30	50
27	63.16	64.16	82527	1.00	20	110
28	66.16	67.16	82528	1.00	40	70
29	75.20	76.20	82529	1.00	0	25
30	76.20	77.20	82530	1.00	25	60
31	77.20	78.20	82531	1.00	20	35
32	78.20	79.20	82532	1.00	15	65
33	84.20	85.20	82533	1.00	190	70
34	85.20	86.20	82534	1.00	140	60
35	86.20	87.20	82535	1.00	30	90
36	87.20	88.20	82536	1.00	0	55
37	88.20	89.20	82537	1.00	15	30
38	89.20	90.20	82538	1.00	20	45
39	90.20	91.20	82539	1.00	15	60
40	91.20	91.68	82540	0.48	55	60
41	91.68	92.68	82541	1.00	370	25
42	92.68	93.68	82542	1.00	150	25
43	93.68	94.68	82543	1.00	250	20
44	94.68	95.68	82544	1.00	55	15
45	95.68	96.68	82545	1.00	40	15
46	102.94	103.94	82546	1.00	20	25
47	112.32	113.32	82547	1.00	10	25
48	118.63	119.63	82548	1.00	5	25

Chevron Minerals Ltd.
M584

DRILLHOLE/TRAVERSE : WT880005

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PROJECT IDEN   : M584        START DATE     : 88/10/ 6     COMPLETION DATE : 88/10/11    GEOLOGGED BY : TEL - SGM
COLLAR NORTHING: 10134.00    COLLAR EASTING : 9655.00      COLLAR ELEVATION: 1986.00     GRID AZIMUTH : 0.00
                             TOTAL LENGTH   : 198.73       CORE/HOLE SIZE : NQ

            SURVEY FLAG    SURVEY POINT    FORESIGHT    AZIMUTH     VERTICAL ANGLE    NORTHING    EASTING
                             LOCATION                  (DEGREES)      (DEGREES)

                000            0.00                     294.00        -63.00
                001          157.58                     294.00        -68.00

   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 = FT)           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 QZ SI CY CB MG XX PY CP GL YY  SUMMARY
- --- -----.--   -----.--   ----.- -- - ---- -- -- --- -- -- - - - - -- -- - - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
K  F                        ROCK   FOR EN RT    TM QM2 TX TX S R S O DIP F   T ID STK DIP KF MU CL EP HE HA PR MO SL 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


         0.00       1.83               TRIC                            P
( 1 P    0.00       1.83         TRICONED INTERVAL: HW CASING OVER THIS INTERVAL.

  P      1.83      26.00               QF/D                            P   F/      25      P=               D/
  L                                         5U                             F/      80      H
  R P    1.83      26.00         QUARTZ FELDSPAR PORPHYRY: MEDIUM TO COARSE GRAINED, WEAKLY CLAY
  R P    1.83      26.00         ALTERED, FINE GRAINED WEAKLY DISSEMINATED PYRITE PRESENT.
  R P    1.83      26.00         REDUCED TO NQ AT 18.59M.
  R D   10.80      11.07         QUARTZ FELDSPAR PORPHYRY: HIGHLY BROKEN WITH GOUGY
  R D   10.80      11.07         LIMONTIC-HEMATITIC SHEARS 1 CM WIDE.
  N     10.80      11.07            X QF/D                             D   S/      45      P=               D/
  L                                         5U                     7       F/      80      H
  R D   15.70      16.15         QUARTZ FELDSPAR PORPHYRY: HIGHLY BROKEN WITH GOUGY LIMONITIC-
  R D   15.70      16.15         HEMATITIC SHEARS 1 CM WIDE.
  N     15.70      16.15            X QF/D                             D   S/      45      P=               D/
  L                                         5U                             F/      80      H

  P     26.00      26.40               SILT                            P
  L                                         5U
  R P   26.00      26.40         SILTSTONE: BROWN, ALTERED, NUMEROUS FINE LIMONITIC FRACTURES,
  R P   26.00      26.40         CONTACT BROKEN.

  P     26.40      27.60               QF/D                            P
  L                                         5U
  R P   26.40      27.60         QUARTZ FELDSPAR PORPHYRY: BROWN, ALETERED, CONTACTS BROKEN.

  P     27.60      32.00               SILT         BN                 P   BN      55
  L                                         5A
  R P   27.60      32.00         SILTSTONE: PALE TO MEDIUM GREY, BANDED AT 55 DEG. LOWER CONTACT
  R P   27.60      32.00         GOUGY AND LIMONITIC.

  P     32.00      35.05               SAND                            P            ?/     P7
  R P   32.00      35.05         SANDSTONE: HIGHLY CLAY ALTERED AND MARKED BY STRONG DENDRITIC
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Chevron Minerals Ltd.
M584

DRILLHOLE/TRAVERSE : WT830005 (CONTINUED)

K E Y	L G	FROM	TO	ROCK TYPE / DESCRIPTION	FRAC TYPE	STRUCTUR-1 ID	DIP	ALTERATION MINS	ORE-TYPE MINS
R	P	32.00	35.05	TO STOCKWORK BROWN FRACTURES. CONTACTS WITH SILTSTONE ARE					
R	P	32.00	35.05	COMMONLY BRECCIATED WITH MINOR CHALCEDONY.					
	P	35.05	35.39	SILT	P				
R	P	35.05	35.39	SILSTONE: BEDS IRREGULAR AND WELL BROKEN.					
	P	35.39	37.50	SAND	P			P7	
R	P	35.39	37.50	SANDSTONE: HIGHLY CLAY ALTERED. ALTERATION GRADES TO BROWN					
R	P	35.39	37.50	ALTERATION. SIMILAR TO 32.00-35.05M.					
	P	37.50	41.50	SAND	P			P7	
R	P	37.50	41.50	SANDSTONE: BROWN ALTERED GRADING TO GREEN UNALTERED SANDSTONE					
R	P	37.50	41.50	WITH FINE BLACK PYRITE.					
		41.50	44.96	SAND	P			P7	
R	P	41.50	44.96	SANDSTONE: GRADES FROM WEAK BROWN ALTERATION TO STRONG CLAY					
R	P	41.50	44.96	ALTERATION IN MIDDLE.					
	P	44.96	51.00	SAND	P				
R	P	44.96	51.00	SANDSTONE: UNALTERED TO WEAKLY ALTERED. GRADES TO STRONGLY					
R	P	44.96	51.00	CLAY ALTERED AT 48.35M.					
	P	51.00	55.70	FP/D	P	F/	30 V/	P/	V/
	L					LC	35 V/		V/
R	P	51.00	55.70	FELDSPAR PORPHYRY: FINE TO MEDIUM GRAINED. QUARTZ CRYSTALS					
R	P	51.00	55.70	RARE. CLAY ALTERED AND LIMONITIC TO 53.63M. CUT BY VUGGY					
R	P	51.00	55.70	QUARTZ-CARBONATE VEINS WITH PYRITE. PYRITE AND ARSENOPYRITE					
R	P	51.00	55.70	PRESENT AT LOWER CONTACT.					
	P	55.70	60.00	SAND	P				
	L			5A					
R	P	55.70	60.00	SANDSTONE: GREY TO BUFF GREY, WEAKLY ALTERED.					
	N	55.70	60.00	X FAUL	N				V1
	L								V.
R	N	56.00	56.85	FAULT ZONE: GOUGY AND LIMONITIC WITH 1% PYRITE AND TRACE					
R	N	56.00	56.85	ARSENOPYRITE IN FRACTURES.					
	N	56.00	56.85	X FAUL	N	S/	15		V1
	L								V.
R	N	57.35	57.60	FAULT ZONE: GOUGY AND LIMONITIC WITH 1% PYRITE AND TRACE					
	N	57.35	57.60	ARSENOPYRITE IN FRACTURES.					
..	N	59.82	60.00	SANDSTONE: STAINED GREEN FROM DISSEMINATED ARSENOPYRITE. NARROW					
R	N	59.82	60.00	LIMONITIC QUARTZ VEINLETS AT 55 DEG.					
	N	59.82	60.00	X SAND	N	QV	55 V/		
	L			5G					C

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M584

DRILLHOLE/TRAVERSE : WT880005 (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 = FT)          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 QZ BI CY CB MG XX PY CP GL YY  SUMMARY
- --- -----.--   -----.--  ----.- -- - ---- -- -- --- -- -- - - - - -- -- -  - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
K  F                       ROCK   FOR EN RT    TM QM2 TX TX S R S O DIP F     T ID STK DIP KF MU CL EP HE HA PR MO SL 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       60.00     61.00               SAND                        P                  P3         D!
L                                          5A
R P     60.00     61.00         SANDSTONE: BUFF GREY, WEAK TO MODERATE CLAY ALTERATION. 1%
R P     60.00     61.00         PYRITE.

P       61.00     64.75               SAND                        P                  P5
L                                                               T
R P     61.00     64.75         SANDSTONE: MODREATE TO STRONGLY CLAY ALTERED, LIMONITIC, NARROW
R P     61.00     64.75         ((5CM) GREEN ALTERED ZONE AT 64.50M, SIMILAR TO THAT AT
R P     61.00     64.75         59.82-60.00M. HIGHLY BROKEN WITH FAULT ZONES AT 62.00, 63.00
R P     61.00     64.75         AND 63.50-64.00M.
R N     63.50     64.00         FAULT ZONE: GRANULATED.
N       63.50     64.00             X FAUL                        N

P       64.75     70.60               SAND                        P                  P3         D+
L                                          AG
R P     64.75     70.60         SANDSTONE: MODERATE TO WEAKLY CLAY ALTERED, GRADES INTO
R P     64.75     70.60         GREY-GREEN UNALTERED SANDSTONE AT 66.40M. MINOR SILTY ZONES AND
R P     64.75     70.60         UP TO 2% PYRITE.

P       70.60     78.33               SAND                        P   S/     05                 D/
L                                          AU
R P     70.60     78.33         SANDSTONE: BROWN TO BUFF GREY, MINOR IRREGULAR SILTSTONE NEAR
R P     70.60     78.33         TOP. LIMONITIC AND HEMATITIC BROKEN ZONES AT 77.11-78.33M,
R P     70.60     78.33         POSSIBLY IN 5 DEG. SHEARS. MINOR CHERT AT 72.20M. BROKEN AND
R P     70.60     78.33         LIMONITIC AT 74.00-74.50M. SCATTERED PYRITE IN CRUDE BANDS AT
R P     70.60     78.33         50 DEG. AT 76.35M.

P       78.33     85.55               FP/D                        P                  P3         D!
L                                          5A                                                      D.
R P     78.33     85.55         FELDSPAR PORPHYRY: GREY TO BUFF-GREY, WEAK TO MODERATE CLAY
R P     78.33     85.55         ALTERATION, RARE QUARTZ EYES. LIMONITIC WITH PYRITIC FRACTURES
R P     78.33     85.55         AND TRACE ARSENOPYRITE. GOUGE ZONES AT 80.15M AT 45 DEG. AND
R P     78.33     85.55         AT 80.77M.
R N     80.15     80.16         FAULT ZONE: GOUGE AT 45 DEG.
N       80.15     80.16             X FAUL                        N
R N     80.77     80.78         FAULT ZONE: GOUGE.
N       80.77     80.78             X FAUL                        N
R N     84.05     85.30         SANDSTONE: WEAK CLAY ALTERATION. MINOR CHALCEDONY. 1% PYRITE IN
R N     84.05     85.30         LIMONITIC QUARTZ FRACTURES AT 20-30 DEG. LOWER CONTACT AT 30
R N     84.05     85.30         DEG.
N       84.05     85.30             X SAND                        N   LC      30 W/      P+         D!

P       85.55     96.70               SAND                        P               W/     P3         D-
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Chevron Minerals Ltd.
M584

DRILLHOLE/TRAVERSE : WT880005 (CONTINUED)

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 = FT) 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 D 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 QZ BI CY CB MG XX PY CP GL YY SUMMARY

K F ROCK FOR EN RT TM QM2 TX TX S R S O DIP F T I STK DIP KF MU CL EP HE HA PR MO SL HA
E L QUAL MEM V Q LC- 3 3 4 O N H / SML I 2 ZM 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

Key	Flag	From	To	Content
L				V/
R	P	85.55	96.70	SANDSTONE: MEDIUM GRAINED, WEAK TO MODERATE CLAY ALTERATION.
R	P	85.55	96.70	FINE GRAINED ZONES NEAR UPPER PART OF INTERVAL. SCATTERED GREY
R	P	85.55	96.70	CHALCEDONY FRACTURES THAT ARE LOCALLY BANDED BELOW 88.?9M. 1%
R	P	85.55	96.70	PYRITE. MINOR QUARTZ-CARBONATE FILLED FRACTURES.
P		96.70	108.33	SAND P V/
L				5G V/
R	P	96.70	108.33	SANDSTONE: GREEN, UNALTERED. GREY CLAY SEAM AT 50 DEG. AT
R	P	96.70	108.33	99.50M. SLIGHT INCREASE IN QUARTZ-CARBONATE FILLED FRACTURES TO
R	P	96.70	108.33	BOTTOM. PYRITE INCREASES TO 1% BELOW 103.20M.
R	D	102.00	102.90	SANDSTONE: WEAK TO MODERATE CLAY ALTERATION, LIMONITIC
R	D	102.00	102.90	AND GOUGY
N		102.00	102.90	X SAND D V/ P3
L				5G V/
R	D	107.50	108.33	SANDSTONE: WEAK TO MODERATE CLAY ALTERATION, LIMONITIC
R	D	107.50	108.33	AND GOUGY.
N		107.50	108.33	X SAND D V/ P3
L				5G V/
P		108.33	117.10	QF/D P F/ 35 V/ F D*
L				V/
R	P	108.33	117.10	QUARTZ FELDPSAR PORPHYRY: WEAK TO MODERATE CLAY ALTERATION
R	P	108.33	117.10	GRADING TO UNALTERED AT 112.80-114.30M. BROKEN AND LIMONITIC
R	P	108.33	117.10	FROM 110.20-110.50M. MINOR QUARTZ-CARBONATE AND CHALCEDONY
R	P	108.33	117.10	FRACTURES. <1% PYRITE.
P		117.10	198.70	SAND P
L				AG
R	P	117.10	198.70	SANDSTONE: GREY-GREEN, UNALTERED.
R	N	120.50	124.05	SANDSTONE: WEAK TO MODERATE CLAY ALTERATION. UP TO 25%
R	N	120.50	124.05	INTERBEDDED SILTSTONE 30 CM WIDE. QUARTZ-CARBONATE FRACTURES.
R	N	120.50	124.05	WELL BROKEN AND LIMONITIC.
N		120.50	124.05	X SAND N V/ P3
L				V/
R	N	124.05	135.64	SANDSTONE: WEAK TO MODERATE CLAY ALTERATION, WEAK PYRITE AND
R	N	124.05	135.64	QUARTZ CARBONATE FRACTURES. STRONG LIMONITIC CARBONATE
R	N	124.05	135.64	FRACTURES AT 10 DEG. AT BOTTOM OF THE INTERVAL. GRADING TO
R	N	124.05	135.64	UNALTERED SANDSTONE AT 133.30-134.00M. NARROW QUARTZ-CARBONATE
	N	124.05	135.64	BRECCIA ZONE AT 133.30M.
N		124.05	135.64	X SAND N V/ P3 D/
L				V/
R	N	135.64	148.82	SANDSTONE: WEAK TO MODERATE CLAY ALTERATION. MASKED BY BROWN
R	N	135.64	148.82	ALTERATION. CUT BY VUGGY QUARTZ-CARBONATE AND WEAK CHALCEDONY

Chevron Minerals Ltd.
M584

DRILLHOLE/TRAVERSE : WT880005 (CONTINUED)

KEY	FLAG	FROM	TO	CORE RECOVERY (%)	% ROCK	TYPE	TYPIFYING MIN 1	TYPIFYING MIN 2	QAL MIN MAT	TEXTURES TX 1	TEXTURES TX 2	GRAIN CHARACS F	C	%	M	#	TK	FRACTURE	STRUCTUR-1 T	ID	STK AZM	DIP RT	ALTERATION H QZ	H BI	H CY	H CB	H MG	MINS A XX	ORE-TYPE MINS A PY	A CP	A GL	MINS ANY YY	SUMMARY
R	N	135.64	148.82																														FRACTURES. WELL BROKEN AND LIMONITIC AROUND FRACTURES AT 20
R	N	135.64	148.82																														DEG. ARSENOPYRITE IN FRACTURES AT 140.00-142.50M IN A BROKEN
R	N	135.64	148.82																														AREA MARKED BY LIMONITE. MINOR PYRITE WITH QUARTZ CARBONATE.
N		135.64	148.82			X	SAND								N			F/		20	V/		P3							D/		
L								50													V/										V/		
R	N	148.82	163.68																														SANDSTONE: WEAK TO MODERATE CLAY ALTERATION. UNALTERED FROM
R	N	148.82	163.68																														152.29-153.92M. WELL BROKEN AND LOCALLY GOUGY AT
R	N	148.82	163.68																														149.10-149.96M. FRACTURE FILLINGS OF CHALCEDONY, QUARTZ
R	N	148.82	163.68																														CARBONATE AND PYRITE ARE COMMONLY WEAK.
N		148.82	163.68			X	SAND								N						V/		P3							V/		
L																					V/												
R	N	163.68	165.20																														LOST: NO CORE RECOVERED.
N		163.68	165.20			X	LOST								N																		
R	N	165.20	175.00																														SANDSTONE: WEAK TO MODERATELY CLAY ALTERED AND LIMONITIC TO
R	N	165.20	175.00																														166.50M AND TO 174.10-174.80M. PYRITE WITH A TRACE OF
R	N	165.20	175.00																														ARSENOPYRITE ON FRACTURES AT 169.90M AND AT 172.80-173.00M.
R	N	165.20	175.00																														LIMNONITIC PYRITE FRACTURES AT 165.20-166.50M.
N		165.20	175.00			X	SAND								N															V/		
L																															V/		
R	N	178.00	180.00																														SANDSTONE: CLAY ALTERED ZONE WITH STRONG QUARTZ-PYRITE
R	N	178.00	180.00																														FRACTURES PARALLEL TO CORE AXIS.
N		178.00	180.00			X	SAND								N						V/		P/							V/		
R	N	182.27	182.58																														SANDSTONE: BROKEN ALTERED ZONE WITH GRADATIONAL CONTACTS.
N		182.27	182.58			X	SAND								N																		
R	N	185.00	189.70																														SANDSTONE: WEAK TO MODERATE CLAY ALTERED. WEAK PYRITE.
N		185.00	189.70			X	SAND								N								P3									
R	N	189.70	190.80																														SANDSTONE: WEAK TO MODERATE CLAY ALTERATION. PYRITIC ZONE WITH
R	N	189.70	190.80																														PYRITE, MINOR QUARTZ AND TRACES OF ARSENOPYRITE THAT MAY RELATE
R	N	189.70	190.80																														TO 20 DEG. FRACTURES. IN CENTER OF SECTION FRACTURES ARE AT 70
R	N	189.70	190.80																														DEG.
N		189.70	190.80			X	SAND								N			F/		20	V/		P3							D/		
L																		F/		70										V.		
R	N	190.80	198.70																														SANDSTONE: WEAK TO MODERATE CLAY ALTERATION, WEAK PYRITE IN
R	N	190.80	198.70																														20-25 DEG. FRACTURES. MINOR VUGGY QUARTZ CARBONATE FRACTURES
R	N	190.80	198.70																														THROUGHOUT. 5 CM WIDE CHALCEDONY VEIN AT 40 DEG. AT 198.20M.
N		190.80	198.70			X	SAND								N						V/		P3							D.		
L																					V/												

DATE: 19/DEC/88 M584 - WT880005 PAGE: 1
AD01 ASSAY FILE

LINE	FROM	TO	NUMBER	LENGTH	AUPPB	ASPPM
1	5.79	6.79	248101	1.00	0	170
2	6.79	7.79	248102	1.00	0	10
3	7.79	8.79	248103	1.00	0	10
4	8.79	9.79	248104	1.00	0	20
5	10.80	11.07	248105	0.27	3320	4560
6	14.79	15.70	248106	0.91	45	55
7	15.70	16.15	248107	0.45	2200	5765
8	16.15	17.15	248108	1.00	55	115
9	22.90	23.90	248109	1.00	185	885
10	30.78	32.00	248110	1.22	10	225
11	32.00	33.00	248111	1.00	10	135
12	33.00	34.00	248164	1.00	0	260
13	35.00	36.00	248112	1.00	15	445
14	38.25	40.00	248113	1.75	155	650
15	41.00	42.00	248114	1.00	5	75
16	42.00	43.00	248115	1.00	0	225
17	43.00	44.00	248116	1.00	0	230
18	44.00	45.00	248117	1.00	0	235
19	49.00	50.00	248118	1.00	0	1425
20	50.00	51.00	248119	1.00	0	895
21	51.00	52.00	248120	1.00	130	1355
22	52.00	53.00	248121	1.00	35	320
23	55.85	56.85	248122	1.00	25	2395
24	58.82	59.82	248123	1.00	5	835
25	59.82	60.00	248124	0.18	40	9999
26	60.00	61.00	248125	1.00	0	5060
27	61.00	62.00	248126	1.00	15	2195
28	62.00	63.00	248127	1.00	0	1460
29	63.00	64.00	248128	1.00	45	4060
30	64.00	65.00	248129	1.00	55	3870
31	65.00	66.20	248130	1.20	0	925
32	75.50	76.50	248131	1.00	20	210
33	77.34	78.33	248132	0.99	15	605
34	78.33	79.33	248133	1.00	185	1295
35	85.00	86.00	248134	1.00	100	255
36	86.00	87.00	248135	1.00	10	105
37	90.00	91.00	248136	1.00	100	855
38	95.00	96.00	248137	1.00	0	95
39	96.00	97.00	248138	1.00	0	85
40	102.00	103.00	248139	1.00	0	115
41	104.00	105.00	248140	1.00	0	190
42	107.33	108.33	248141	1.00	15	55
43	110.00	111.00	248142	1.00	0	205
44	111.00	112.00	248143	1.00	25	215
45	115.00	116.00	248144	1.00	15	290
46	121.00	122.00	248145	1.00	0	195
47	125.50	126.50	248146	1.00	0	75
48	132.00	133.50	248147	1.50	115	100
49	136.50	137.50	248148	1.00	15	235
50	140.00	141.00	248149	1.00	330	2445
51	141.00	142.00	248150	1.00	1550	5390
52	143.00	144.00	248151	1.00	700	2105
53	148.00	149.00	248152	1.00	150	145
54	151.00	152.00	248153	1.00	0	110

LINE	FROM	TO	NUMBER	LENGTH	AUPPB	ASPPM
55	161.00	162.00	248154	1.00	15	170
56	165.20	166.20	248155	1.00	310	85
57	169.00	170.00	248156	1.00	15	75
58	172.00	173.00	248157	1.00	150	65
59	179.00	180.00	248158	1.00	0	40
60	183.50	184.50	248159	1.00	300	265
61	188.70	189.70	248160	1.00	500	100
62	189.70	190.80	248161	1.10	10000	500
63	190.80	191.80	248162	1.00	180	95
64	191.80	192.80	248163	1.00	100	20

64 samples

DIAMOND DRILL RECORD

PROPERTY Stirrup Creek HOLE No. S.C.88-1

DIP TEST		
	Angle	
Footage	Reading	Corrected
157.58M	-68°	

Measurements in metres.

RENUMBERED 88-5

Hole No. S.C. 88-1 Sheet No. 1/8
Section
Date Begun Oct.6, 1988
Date Finished Oct. 11, 1988
Lat.
Dep.
Bearing 294°/-63°
Elev. Collar Approx. 1997.2M
Total Depth 198.73 (652 feet
Logged By T.E.Lisle.
Claim
Core Size 0 to 18.59M HQ
18.59 to 198.73M NQ
PPM

DEPTH	% Core Recov	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE	From(M)	To(M).	Au(ppb)	As.
0 - 1.83		CASING.						
1.83 - 26.00		QUARTZ FELDSPAR PORPHYRY.						
		-Medium to coarse grained. Well weathered at top,						
		Weakly clay altered, with narrow sections relatively unaltered with chloritized hornblende.						
		Colour commonly brown.	248101	1.00	5.79	6.79		
		Section cut by white , locally vuggy carbonate	248102	1.00	6.79.	7.79		
		and brown limonite fractures ±pyrite at 0° 25°	248103	1.00	7.79	8.79		
		and in places to 80°. Pyrite, very fine grained,						
		is weakly disseminated.	248104	1.00	8.79	9.79		
		Sections 10.8 to 11.07M and 15.7 to 16.15M are						
		highly broken. These sections reveal narrow,						
		± 1 cm. gougy hematitic-limonitic zones that						
		may correlate with similar zones in the Placer	248105	0.27	10.80	11.07		
		trench to the north. In the core, they may trend						
		at 045° to core axis.						
	45%	1.83 to 5.79M						
	+85%	5.79 to 26.0M						
			248106	0.91	14.79	15.70		
26.0 - 26.4	67%	SILTSTONE.	248107	0.45	15.70	16.15		
		Brown altered, numerous fine limonitic fractures	248108	1.00	16.15	17.15		
		contacts broken.						
26.4 - 27.6	67%	QUARTZ FELDSPAR PORPHYRY.						
		Brown altered, contacts broken.	248109	1.00	22.90	23.90		

DIAMOND DRILL RECORD

PROPERTY Stirrup Creek HOLE No. S.C.88-1

DIP TEST		
	Angle	
Footage	Reading	Corrected
157.58M	-68°	

Hole No. S.C. 88-1 Sheet No. 2/8
Section
Date Begun Oct.6, 1988
Date Finished Oct. 11, 1988
Lat.
Dep.
Bearing 294°/-63°
Elev. Collar Approx. 1997.2M
Total Depth 198.73 (652 fee
Logged By T.F.Lisle.
Claim
Core Size 0 to 18.59M HO
18.59 to 198.73M NQ

Measurements in metres.

DEPTH	% Core Recov	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE	From(M)	To(M).	Au(ppb)	ppm As.
27.6 – 32.0	+45%	SILTSTONE.						
		Pale to medium grey, banding at ±55°. Section contains minor fine grained sandstone with traces of disseminated pyrite. Limonitic after 28.65M.						
		Steep white carbonate and limonitic fractures as above, and locally in bedding.						
		After 28.5M, core is highly broken with signif-	248110	1.22	30.78	32.00		
		icant core loss after 30.78M. Bottom contact gougy and limonitic, and core is more highly						
		altered towards base.						
32.0 – 35.05	95%	SANDSTONE.	248111	1.00	32.00	33.00		
		Approximately 5% siltstone as irregular beds	248164	1.00	33.00	34.00		
		or clasts. Section is highly clay altered and						
		marked by strong dendritic to latticework brown	248112	1.00	35.00	36.00		
		fractures at variable angles to core. Contacts with siltstone are commonly brecciated with						
		minor chalcedony. Bottom contact is irregular.						
35.05 – 35.39	85%	SILTSTONE.						
		Beds irregular and well broken.						
35.39 – 37.5	+85%	SANDSTONE						
		As in 32.0 to 35.05. Clay alteration grading to brown alteration with corresnonding decrease in						
		brown fractures at 37.5M						

DIAMOND DRILL RECORD

PROPERTY Stirrup Creek HOLE No. S.C.88-1

DIP TEST		
	Angle	
Footage	Reading	Corrected
157.58M	-68°	

Hole No. S.C. 88-1 Sheet No. 3/8
Section
Date Begun Oct.6, 1988
Date Finished Oct. 11, 1988
Lat.
Dep.
Bearing 294°/-63°
Elev. Collar Approx. 1997.2M
Total Depth 198.73 (652 fee
Logged By T.E.Lisle.
Claim
Core Size 0 to 18.59M HO
18.59 to 198.73M NQ

Measurements in metres.

DEPTH	% Core Recov	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE	From(M)	To(M).	Au(ppb)	As. PPM
37.5 - 51.0		SANDSTONE.						
	70%	37.5 - 41.5M Grades from brown altered at top to green unaltered sandstone with fine black pyrite fractures at ±15°. Late 10° to 35° limonite-hematite fractures between 38.25 and 39.25M						
			248113	1.75	38.25	40.00		
	±85%	41.5 - 44.96M. Grades from weak brown alteration at top and bottom to moderate to locally strong clay alteration in the middle. Brown fracturing not as intense as above and more erratically distributed. Section is generally well broken with strong gougy limonitic zones from 43.0 to 43.28 and 44.2 to 44.96M.	248114	1.00	41.00	42.00		
			248115	1.00	42.00	43.00		
			248116	1.00	43.00	44.00		
			248117	1.00	44.00	45.00		
		NB. More highly altered sections resemble altered intrusive.						
	±57%	44.96 - 51.0M Unaltered to weakly altered and grading at 48.35 to moderate to strong clay alteration with corresponding increase in 20° to 60° brown fractures. Strong gouge-limonite zone at 50.1M. Other limonitic fractures ± Mn. stain. Bottom contact broken, possibly at ±60°.	248118	1.00	49.00	50.00		
			248119	1.00	50.00	51.00		
			248120	1.00	51.00	52.00		
			248121	1.00	52.00	53.00		
51.0 - 55.7	90%	FELDSPAR PORPHYRY. Finer grained than QFP above, quartz xtals rare. Clay altered and limonitic to 53.65 then weakly altered. Section cut by vuggy quartz-carbonate fractures ± pyrite at 30° to 45°, and steep, ±20° limonite fractures with Mn stain at top. Bottom contact at approx. 35° with pyrite and Asp.?						

DIAMOND DRILL RECORD

PROPERTY Stirrup Creek HOLE No. S.C.88-1

DIP TEST		
	Angle	
Footage	Reading	Corrected
157.58M	-68°	

Hole No. S.C. 88-1 Sheet No. 4/8 Lat.

Section Dep.

Date Begun Oct.6, 1988 Bearing 294°/-63°

Date Finished Oct. 11, 1988 Elev. Collar Approx. 1997.2M

Total Depth 198.73 (652 fee

Logged By T.F.Lisle.

Claim

Core Size 0 to 18.59M HQ
18.59 to 198.73M NQ

Measurements in metres.

DEPTH	% Core Recov	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE	From(M)	To(M).	Au(ppb)	As. PPM
55.7 — 78.33	93%	SANDSTONE						
		55.7-59.82M. Grey to buff grey, weakly altered.	248122	1.00	55.85	56.85		
		Very strong gougy limonitic zone from 56.0 to 56.85 at about 15°, with weaker zones from 57.35 to 57.6M. Approximately 1% pyrite with trace of						
		arsenopyrite ?, commonly in fractures. Local carbonate fractures associated with brown alteration .	248123	1.00	58.82	59.82		
	+90%	59.82-60.00M Green stained with disseminated	248124	0.18	59.82	60.00		
		arsenopyrite, and associated small, narrow	248125	1.00	60.00	61.00		
		limonitic vuggy quartz veinlets at ±55°.	248126	1.00	61.00	62.00		
	±55%	60.0-61.0. Buff-grey, weak to moderate clay	248127	1.00	62.00	63.00		
		alteration, and increasingly brown altered to	248128	1.00	63.00	64.00		
		bottom. Strong limonitic fractures ± Mn.stain. 1% pyrite.	248129	1.00	64.00	65.00		
	63%	61.0 -64.75M. Moderate to strong clay alteration	248130	1.20	65.00	66.20		
		strongly limonitic with abundant dark brown fractures. Narrow (less than) 5 cm. green alter-						
		ed zone at 64.5M, as in 59.82-60.0M Section is highly broken with granulated zones (Faults)?						
		at 62.0, 63.0, and 63.5 to 64.0M.						
	87%	64.75-70.6M. Weak to moderately clay altered						
		grading to greenish-grey unaltered sandstone at at 66.40M. Section has minor silty zones. ±2% Py						
	85%	70.60-78.33M. Brown to locally buff-grey. Minor	248131	1.00	75.50	76.50		
		irregular siltstone near top. Limonitic to locally hematitic broken zones from 77.11-78.33						
		possibly in 5° shears. Minor grey chert at 72.2.	248132	0.99	77.34	78.33		
		Well broken & limonitic 74.0-74.5M. Scattered pyrite, mainly in crude 50° bands at 76.35M.						

DIAMOND DRILL RECORD

PROPERTY Stirrup Creek HOLE No. S.C.88-1

DIP TEST		
	Angle	
Footage	Reading	Corrected
15.58M	-68°	

Hole No. S.C. 88-1 Sheet No. 5/8 Lat.
Section Dep.
Date Begun Oct.6, 1988 Bearing 294°/-63°
Date Finished Oct. 11, 1988 Elev. Collar Approx. 1997.2M

Total Depth 198.73 (652 fee
Logged By T.E.Lisle.
Claim
Core Size 0 to 18.59M HQ
18.59 to 198.73M NQ

Measurements in metres.

DEPTH	% Core Recov	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE	From(M)	To(M).	Au(ppb)	As. PPM
78.33 – 84.05	±90%	FELDSPAR PORPHYRY. Grey to buff-grey, weak to moderate clay alteration. Rare quartz eyes. Limonitic with consnicuous pyrite fractures with traces of arsenopyrite. Local gouge zones at 80.15 at ±45° and at 80.77. Bottom contact is brecciated with clasts of sandstone.	248133	1.00	78.33	79.33		
84.05 – 85.30	100%	SANDSTONE. Weak clay alteration, minor chalcedony. 1% pyrite in limonitic quartz fractures at 20°-30°. Bottom contact approximately 30° and broken.	248134	1.00	85.00	86.00		
85.30 – 85.55	100%	FELDSPAR PORPHYRY. Weakly altered, traces of pyrite and arsenopyrite, Local pyrite fractures, as in 78.33-84.05M.	248135	1.00	86.00	87.00		
85.55 – 96.70	95%	SANDSTONE. Medium grained, buff-grey, weak to moderate clay alteration. Finer grained zones near top. Scattered grey chalcedonic fractures that are locally banded after 88.09. 1% pyrite in fractures that are locally dendritic. Minor quartz-carbonate fractures.	248136	1.00	90.00	91.00		
			248137	1.00	95.00	96.00		
			248138	1.00	96.00	97.00		

DIAMOND DRILL RECORD

PROPERTY Stirrup Creek HOLE No. S.C.88-1

DIP TEST		
	Angle	
Footage	Reading	Corrected
157.58M	-68°	

Hole No. S.C. 88-1 Sheet No. 6/8 Lat.

Section Dep.

Date Begun Oct.6, 1988 Bearing 294°/-63°

Date Finished Oct. 11, 1988 Elev. Collar Approx. 1997.2M

Total Depth 198.73 (652 fee

Logged By T.E.Lisle.

Claim

Core Size 0 to 18.59M HO
18.59 to 198.73M NQ

Measurements in metres.

ppm

DEPTH	% Core Recov	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE	From(M)	To(M).	Au(ppb)	As.
96.70 – 108.33	+90%	SANDSTONE.						
		Commonly green and unaltered. weak to moderate clay lateration from 102.0 to 102.9 that is limonitic and gougy, and at 107.5 to 108.35M. Grey clay seam at 50° at 99.5 metres. Slight increase in quartz-carbonate fractures to bottom. Pyrite increases to ±1% after 103.2 M.	248139	1.00	102.0	103.0		
			248140	1.00	104.0	105.0		
108.33 – 117.10	+90%	QUARTZ FELDSPAR PORPHYRY.						
		Weak to moderate clay alteration and grading to unaltered porphyry from 112.8 to 114.3M. Brown alteration and limonitic fractures to 111.56M., and broken and limonitic from 110.2 to 110.5. Well broken along 30° to 40° limonitic fractures from 115.8 to 116.0M. Minor quartz-carbonate and chalcedony fractures. Less than 1% pyrite.	248141	1.00	107.33	108.33		
			248142	1.00	110.00	111.00		
			248143	1.00	111.00	112.00		
117.10 – 198.70		SANDSTONE.	248144	1.00	115.00	116.00		
	+90%	117.10-120.5M Greenish-grey, unaltered. Finer grained to bottom. Minor siltstone clasts.						
	+95%	120.50-124.05. Weak to moderately clay altered. Slightly coarser grained to bottom.. Section contains about 25% siltstone as interbedded zones to 0.3 M, or as irregular clasts. Scattered 30° to 50° quartz-carbonate fractures. Locally well broken and limonitic.	248145	1.00	121.00	122.00		

DIAMOND DRILL RECORD

PROPERTY Stirrup Creek HOLE No. S.C.88-1

DIP TEST		
Footage	Angle	
	Reading	Corrected
157.58M	-68°	

Hole No. S.C. 88-1 Sheet No. 7/8 Lat.
Section Dep.
Date Begun Oct.6, 1988 Bearing 294°/-63°
Date Finished Oct. 11, 1988 Elev. Collar Approx. 1997.2M

Total Depth 198.73 (652 fe
Logged By T.E.Lisle.
Claim
Core Size 0 to 18.59M HQ
18.59 to 198.73M NQ

Measurements in metres.

DEPTH	% Core Recov	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE	From(M)	To(M).	Au(ppb)	As. ppm
117.1 – 198.70		Continued.						
	95%	124.05-129.65M Weak to moderate clay alteration. Weak pyrite and quartz-carbonate fractures. Strong 10° limonitic carbonate fractures at bottom.	248146	1.00	125.5	126.50		
	+90%	129.65-135.64M. As above grading to unaltered sandstone between 133.3 to 134.0. Narrow quartz-carbonate breccia zone at 133.3. Mud seam-132.28.						
	+90%	135.64- 148.82M. Brown alteration masking a weak to moderate clay alteration. Narrow unaltered zone at 142.70M. Section cut by vuggy quartz-carbonate and weak chalcedony fractures. It is locally well broken and limonitic around steep 20° limonitic fractures.	248147	1.50	132.0	133.50		
			248148	1.00	136.5	137.50		
		Conspicuous arsenopyrite fractures between 140.0 and 142.5 M that in broken areas are marked by deep red limonite. Minor pyrite with quartz-carb.	248149	1.00	140.00	141.00		
	±95%	148.82-163.68M. Weak to moderate clay alteration. Unaltered zone from 152.29 to 153.92M. Well broken and locally gougy from 149.1 to 149.96. Fracture fillings of chalcedony, quartz-carbonate and pyrite are commonly weak	248150	1.00	141.00	142.00		
			248151	1.00	143.00	144.00		
			248152	1.00	148.00	149.00		
	0%	163.68-165.20M.						
	+90%	165.20- 175.00M. Weak to moderately clay altered and limonitic to 166.5 and 174.1-174.8M. Pyrite with traces of arsenopyrite on dark fractures at at 169.9M and on 0° or 55° fractures from 172.8 to 173.0. Limonitic pyrite fractures 165.2-166.5. Good core recovery except 170.69-172.82 =70%	248153	1.00	151.00	152.00		
			248154	1.00	161.00	162.00		
			248155	1.00	165.20	166.20		

DIAMOND DRILL RECORD

PROPERTY Stirrup Creek HOLE No. S.C.88-1

DIP TEST		
	Angle	
Footage	Reading	Corrected
157.58M	-68°	

Hole No. S.C. 88-1 Sheet No. 8/8 Lat.
Section Dep.
Date Begun Oct.6, 1988 Bearing 294°/-63°
Date Finished Oct. 11, 1988 Elev. Collar Approx. 1997.2M

Total Depth 198.73 (652 fe
Logged By T.E.Lisle.
Claim
Core Size 0 to 18.59M HO
18.59 to 198.73M NQ

Measurements in metres.

DEPTH	% Core Recov	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE	From(M)	To(M)	Au(ppb)	As. PPM
117.1 – 198.7		Continued.	248156	1.00	169.00	170.00		
	93%	175.00-185.00M Commonly unaltered. Clay altered zone from 178.0 to 180.0 that includes strong quartz-pyrite fracture at ± 0° to C.A.	248157	1.00	172.00	173.00		
			248158	1.00	179.00	180.00		
		Broken altered zone 182.27 to 182.58. Contacts gradational.						
	±90%	185.0-198.73M. Weak to moderately clay altered grading to unaltered zone between 196.17 and 197.70. Pyritic zone from 189.7 to 190.80	248159	1.00	183.5	184.5		
		includes pyrite, minor quartz and traces of arsenopyrite that may relate to ±20 fractures.						
		but in central section is in ±70° fractures.	248160	1.00	188.70	189.70		
		Outside this zone, pyrite is weak and mainly in	248161	1.10	189.70	190.80		
		20° to 25° fractures. Minor vuggy quartz carbonate						
		fractures throughout, and 0.5 cm-40° chalcedony	248162	1.00	190.80	191.80		
		fracture at 198.2M . Core recovery good except	248163	1.00	191.80	192.80		
		194.16 to 194.77 which is about 25%.						
198.7		END OF HOLE.						

Chevron Minerals Ltd.
M584

DRILLHOLE/TRAVERSE : WT880006

PROJECT IDEN : M584 START DATE : 88/10/12 COMPLETION DATE : 88/10/20 GEOLOGGED BY : TEL - SGV
COLLAR NORTHING: 10134.00 COLLAR EASTING : 9486.00 COLLAR ELEVATION: 2038.00 GRID AZIMUTH : 0.00
TOTAL LENGTH : 229.12 CORE/HOLE SIZE : HQNQ

SURVEY FLAG	SURVEY POINT LOCATION	FORESIGHT	AZIMUTH (DEGREES)	VERTICAL ANGLE (DEGREES)	NORTHING	EASTING
000	0.00		24.50	-63.00		
001	160.93		24.50	-64.00		

FLAG	INTERVAL FROM	INTERVAL TO	CORE RECOVERY (%)	% NI X	ROCK TYPE	TYPIFYING MINERALS 1	TYPIFYING MINERALS 2	QUALITY MATERIALS QM1	TEXTURES 1	TEXTURES 2	GRAIN CHARACS F	GRAIN CHARACS C	GRAIN CHARACS %	FRACTURE M	STRUCTURE-1 T	STRUCTURE-1 ID	STRUCTURE-1 STK AZM	STRUCTURE-1 DIP RT	ALTERATION MINS H QZ	ALTERATION MINS H BI	ALTERATION MINS A CY	ALTERATION MINS A CB	ALTERATION MINS H MG	ALTERATION MINS A XX	ALTERATION MINS A PY	ORE-TYPE MINS H CP	ORE-TYPE MINS A GL	ORE-TYPE MINS A YY	ORE-TYPE MINS ANY MIN	SUMMAR
K E Y	F L A G	FROM - TO																												
K E Y	F L G		ROCK QUAL DESIG	FOR MEM AGE	EN V	RT Q	QM2 LC- COL	TX 3	TX 4	S O R	R N D	H P C	DIP / SML	F I	T 2	ID	STK AZM	DIP RT	KF	MU	CL	EP	HE	HA	PR	MO	SL	HA		
																	STRUCTUR-2		A	A	A	A	A	A	A	A				
		0.00	7.01			TRIC								P																
	P	0.00	7.01	TRICONED: RUBBLE.																										
P		7.01	8.53			SIBX		BX						P															D/	
L							AU																							
R P		7.01	8.53	SILTSTONE BRECCIA: SMALL SILTSTONE AND PALE FELSIC (?) CLASTS																										
R P		7.01	8.53	IN A GREY-BROWN MATRIX, DISSEMINATED PYRITE. GRADES AT 7.75M																										
R P		7.01	8.53	INTO HIGHLY BROKEN SILTSTONE.																										
P		8.53	53.79			SILT								P																
L							AG	BN																						
R P		8.53	53.79	SILTSTONE: GREY-GREEN, WELL BANDED, LOCALLY GRADES INTO FINE																										
R P		8.53	53.79	GRAINED SANDSTONE, VARIABLY ALTERED TO BROWN CHERTY SILSTONE.																										
R P		8.53	53.79	WELL BROKEN WITH LOW RECOVERIES.																										
R N		8.53	11.58	SILTSTONE: RUBBLE, WELL ROUNDED, GREY-BROWN, 10% RECOVERY.																										
N		8.53	11.58		X	SILT								N																
R N		11.58	14.32	LOST: NO CORE RECOVERED.																										
N		11.58	14.32		X	LOST								N																
R N		14.32	15.85	SILTSTONE: RUBBLE WITH A FEW PIECES OF GREEN-GREY ANGULAR CORE.																										
N		14.32	15.85		X	SILT								N																
R N		16.15	16.46	LOST: NO CORE RECOVERED.																										
N		16.15	16.46		X	LOST								N																
R N		16.46	17.37	SILTSTONE: GREEN-GREY TO BROWN, WELL BROKEN. BEDDING AT 60 DEG.																										
N		16.46	17.37		X	SILT		BD						N		BD	60													
R N		19.81	23.16	SILTSTONE: BROWN, SLIGHTLY CHERTY WITH GREENISH SECTION AT																										
R N		19.81	23.16	BOTTOM. MINOR QUARTZ-CARBONATE IN FRACTURES.																										
		19.81	23.16		X	SILT		BD						N		BD	50	V/											
L							5U											V/												
R N		23.16	28.04	SILTSTONE: GREEN, GRADING TO BROWN, 65-70 DEG. BEDDING, LOCAL																										
R N		23.16	28.04	SHEAR ZONES AT 10-40 DEG. AND 80 DEG., QUARTZ-CARBONATE IN WEAK																										
R N		23.16	28.04	IRREGULAR FRACTURES WITH MINOR DRAK GREY QUARTZ, TRACE PYRITE																										
R N		23.16	28.04	ON GRAPHITIC SHEARS. TRACE PYRRHOTITE AND CHALCOPYRITE.																										
N		23.16	28.04		X	SILT		BD						N		BD	70	V/											

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M584

DRILLHOLE/TRAVERSE : WT880006 (CONTINUED)

KEY	FLAG	FROM	TO	CORE RECOVERY (%)	% IMX	ROCK TYPE	TYPIFYING 1	TYPIFYING 2	QAL MIN MAT	TEXTURES 1	TEXTURES 2	GRAIN CHARACS	FRACTURE	STRUCTURE-1	ALTERATION	MINS	ORE-TYPE	MINS
		(UNITS = FT)																
														T ID STK DIP	H H H H H ANY H F A A MIN			
KEY	FLAG			ROCK QUAL DESIG	FOR MEM AGE	EN V	RT Q	TM QM2 LC- 3 COL	TX TX 3 4	S R S O DIP F G N H / SML I R D P C				T ID STK DIP STRUCTURE-2	KF MU CL EP HE HA PR MC SL HA H H H H H H H H A A A A A A A A			
L								UG						S/ 40 V/			D.	D.
R	N	28.04	29.56		LOST: NO CORE RECOVERED.													
N		28.04	29.56		X LOST								N					
R	N	29.56	30.48		SILTSTONE: TRACE PYRRHOTITE.													
N		29.56	30.48		X SILT								N					
L																	D.	
R	N	32.16	34.75		SILTSTONE: BROWN, SLIGHTLY CHERTY, WELL BEDDED, WEAK													
R	N	32.16	34.75		QUARTZ-CARBONATE INFRACTURES. TRACES OF PYRITE AND PYRRHOTITE,													
R	N	32.16	34.75		SHEAR ZONE AT 45-60 DEG. AT 38.05-38.40M WITH													
R	N	32.16	34.75		QUARTZ, QUARTZ CARBONATE AND TRACES OF ARSENOPYRITE.													
N		32.16	34.75		X SILT			BD					N	BD 70 V/			D.	
L								5U						V/			D.	D.
R	N	38.40	39.32		SILTSTONE: BRECCIA?.													
		38.40	39.32		X SIBX								N					
	N	39.32	40.23		LOST: NO CORE RECOVERED.													
N		39.32	40.23		X LOST								N					
R	N	40.84	46.33		LOST: NO CORE RECOVERED.													
N		40.84	46.33		X LOST								N					
R	N	47.24	52.42		SILTSTONE: TRACES OF PYRITE AND PYRRHOTITE, BROWN, CHERTY.													
N		47.24	52.42		X SILT								N				D.	
L								5U									D.	
R	N	52.42	53.34		LOST: NO CORE RECOVERED.													
N		52.42	53.34		X LOST								N					
P		53.79	61.57					GRDR		PP			P				D.	
L								5A									D.	
R	P	53.79	61.57		GRANODIORITE: GREY, PORPHYRITIC, UNALTERED, BROWN MATRIX NEAR													
R	P	53.79	61.57		TOP. TRACES OF PYRITE AND PYRRHOTITE. HIGHLY BROKEN.													
P		61.57	79.52					SILT		BN			P	BN 60			D.	
L								AU						F/ 35				
R	P	61.57	79.52		SILTSTONE: BROWN TO GREY, WITH LOCAL PINKISH GREY LAMINATIONS.													
R	P	61.57	79.52		WELL BANDED AT 60 DEG., HIGHLY BROKEN AND GOUGY LOCALLY. CHERTY,													
R	P	61.57	79.52		TRACES OF PYRITE ON 35 DEG. FRACTURES.													
P		79.52	118.00					GRDR		PP			P	F/ 40 V/	P=		D.	
L								5A						F/ 60 V/			D.	D.
R	P	79.52	118.00		GRANODIORITE: PORPHYRITIC, GREY. WITH FINE GRAINED													
R	P	79.52	118.00		GROUND MASS. WEAKLY CLAY ALTERED WITH QUARTZ CARBONATE													
	P	79.52	118.00		FRACTURES AT 40 AND 60 DEG., TRACES OF PYRITE, PYRRHOTITE AND													
R	P	79.52	118.00		ARSENOPYRITE.													
R	N	84.83	89.88		GRANODIORITE: GRADATIONALLY WEAKER CLAY ALTERATION. PYRITIC													
R	N	84.83	89.88		ZONES AT 84.83-85.50M AND AT 87.70-89.80M. THESE PALER ALTERED													
R	N	84.83	89.88		ZONES HAVE BEEN MAPPED LOCALLY AS FELDSPAR PORPHYRY. CUT BY													

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DRILLHOLE/TRAVERSE : MT880006 (CONTINUED)

K E Y	L A G	- INTERVAL - (UNITS = FT) FROM	TO	CORE RECOV- ERY (%)	M I X	ROCK TYPE	TYPI- FYING 1	TM 2	QAL MIN MAT QM1	TEX- TURES 1	TX 2	GRAIN CHARACS F	C	%	M	#	TK	FRAC- TURE	STRUCTUR-1 T	ID	STK AZM	DIP RT	ALTERATION H QI	H A BI	H A CY	H A CB	H A MG	MINS H ANY	ORE-TYPE MINS H A XX	H A PY	H A CP	H A GL	MINS H AN YY	SUMMARY
K E Y	F L G			ROCK QUAL DESIG	FOR MEM AGE	EN	RT	TM 3 COL	QM2	TX 3	TX 4	S O R D	R N P	H / C	SML	DIP	I	T 2	ID	STK AZM	DIP RT	STRUCTUR-2	AF H A	MU H A	CL H A	EP H A	HE H A	HA H A	PR H A	MG H A	SL H A	HA H A	
R	N	84.83	89.88																														WHITE TO PINK QUARTZ-CARBONATE AND PYRITE FILLED FRACTURES.
R	N	84.83	89.88																														MINOR PYRITE IN FRACTURES AT 20 AND 50 DEG.
N		84.83	89.88			X	GRDR									N		F/	20	V/	P/									D.		
L																		F/	50	V/													
R	N	89.88	94.49																														GRANODIORITE: CUT BY SILICEOUS STRINGERS AT 89.88-91.00M,
R	N	89.88	94.49																														TRACES OF PYRITE, ARSENOPYRITE, AND QUARTZ CARBONATE FILLED
R	N	89.88	94.49																														FRACTURES TRENDING AT 80 DEG. WELL BROKEN FROM 92.96-94.49M.
N		89.88	94.49			X	GRDR									N		F/	80	V/										D.		
L																				V/											D.		
R	N	94.49	106.50																														GRANODIORITE: WEAKLY ALTERED TO 102.50M. GRADES TO UNALTERED
R	N	94.49	106.50																														BELOW 102.50M. CHLORITIC FRACTURES WITH PYRITE. TRACE
R	N	94.49	106.50																														PYRRHOTITE.
N		94.49	106.50			X	GRDR									N															D/		
																					V/										D.		
	I	106.50	112.35																														GRANODIORITE: SCATTERED QUARTZ-CARBONATE AND QUARTZ FILLED
R	N	106.50	112.35																														FARCTURES WITH PYRITE.
N		106.50	112.35			X	GRDR									N				V/										D/		
L																				V/													
R	N	112.62	113.84																														FAULT ZONE: SHEARING AT 15 DEG. WITH TRACES OF PYRITE AND
R	N	112.62	113.84																														ARSENOPYRITE.
N		112.62	113.84			X	FAUL									N		S/	15											D.		
L																															D.		
P		116.00	126.00				QF/D									P																	
L								5T																									
R	P	116.00	126.00																														QUARTZ FELDSPAR PORPHYRY: CONTACTS ARE GRADATIONAL, BUFF TO
R	P	116.00	126.00																														PALE BUFF, SECTION GRADES TO DARK GREY UNALTERED QUARTZ
R	P	116.00	126.00																														FELDSPAR PORPHYRY AT 121.00-121.40M.
R	N	118.00	119.29																														QUARTZ FELDSPAR PORPHYRY: CLAY ALTERED. UP TO 1% PYRITE. MINOR
R	N	118.00	119.29																														QUARTZ-CARBONATE FILLED FRACTURES.
N		118.00	119.29			X	QF/D									N				V/	P/												
L																				V/													
R	N	123.00	123.80																														QUARTZ FELDSPAR PORPHYRY: CLAY ALTERED, UP TO 1% PYRITE, MINOR
R	N	123.00	123.80																														QUARTZ-CARBONATE FILLED FRACTURES.
N		123.00	123.80			X	QF/D									N				V/	P/												
L																				V/													
R	N	125.37	126.00																														QUARTZ FELDSPAR PORPHYRY: CLAY ALTERED. UP TO 1% PYRITE, MINOR
R	N	125.37	126.00																														QUARTZ-CARBONATE FILLED FRACTURES.
N		125.37	126.00			X	QF/D									N				V/	P/												
																				V/													
P		126.00	134.10				QF/D									P		F/	25	V/	P3									D/			
R	P	126.00	134.10																														QUARTZ FELDSPAR PORPHYRY: LIMONITIC, WEAK TO MODERATE CLAY
R	P	126.00	134.10																														ALTERATION, ERRATIC CHALCODONIC FRACTURES AT 25 DEG. SMALL

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M584

DRILLHOLE/TRAVERSE : WT880006 (CONTINUED)

KEY	FROM	TO	CORE RECOVERY (%)	ROCK QUAL DESIG	INTERVAL (UNITS = FT)
R P	126.00	134.10			BRECCIA ZONE AT 126.00M. SILICEOUS ZONE WITH DARK GREY
R P	126.00	134.10			SULPHIDES AND MINOR PYRITE AT 133.40-138.96M AT 45 DEG. LOWER
R P	126.00	134.10			CONTACT IS GOUGY.
P	134.10	140.21			QF/D
L					UA
R P	134.10	140.21			QUARTZ FELDSPAR PORPHYRY: BROWNISH GREY, MODERATELY CLAY
R P	134.10	140.21			ALTERED.
R N	137.75	139.40			QUARTZ FELDSPAR PORPHYRY: SOFT, GREY, WITH UP TO 5% SULPHIDES,
R N	137.75	139.40			THAT LOCALLY FORM BLACK STREAKS.
N	137.75	139.40			X QF/D
L					5A
R N	139.40	140.21			QUARTZ FELDSPAR PORPHYRY: WEAK TO MODERATELY CLAY ALTERED,
R N	139.40	140.21			LOCAL DARK SULPHIDES, HIGHLY BROKEN.
	139.40	140.21			X QF/D
P	140.21	146.75			SILT BX BN
L					5A
R P	140.21	146.75			SILTSTONE: BRECCIATED LOCALLY WITH CHALCEDONIC MATRIX, BANDING
R P	140.21	146.75			AT 60 DEG.
R N	140.21	141.20			SILTSTONE BRECCIA: CHERTY.
N	140.21	141.20			X SIBX BX
R N	141.20	141.63			GRANODIORITE: BRECCIATED WITH MINOR QUARTZ, PYRITE AND
R N	141.20	141.63			ARSENOPYRITE.
N	141.20	141.63			X GRDR
L					
R N	143.70	146.75			SILTSTONE BRECCIA: CHERTY, CHALCEDONY CEMENTING ALTERED CLASTS
R N	143.70	146.75			OF FINE GRAINED SANDSTONE.
N	143.70	146.75			X SIBX BX
P	146.75	149.10			QF/D
L					
R P	146.75	149.10			QUARTZ FELDPAR PORPHYRY: HIGHLY CLAY ALTERED, 1 CM WIDE PALE
R P	146.75	149.10			GOUGY LIMONITIC ZONE AT UPPER CONTACT. GREEN STAIN FROM FINE
R P	146.75	149.10			ARSENOPYRITE. BRECCIA ZONE AT 147.98-148.70M, MINOR PYRITE
R P	146.75	149.10			ASSOCIATED WITH QUARTZ STRINGERS.
P	149.10	152.15			QF/D
L					5A
P	149.10	152.15			QUARTZ FELDSPAR PORPHYRY: BROWN, WEAKLY ALTERED, QUARTZ
R P	149.10	152.15			STRINGERS WITH DISSEMINATED ARSENOPYRITE, LOCALLY UP TO 2%
R P	149.10	152.15			PYRITE. BROKEN GOUGY LIMONITIC ZONE AT LOWER CONTACT. PYRITIC
R P	149.10	152.15			ZONE WITH VUGGY QUARTZ AT 152.00-152.15M.
P	152.15	157.65			SILT BD

KEY	FROM	TO	TYPING TM1 TM2	QAL MIN MAT	TEXTURES TX1 TX2	GRAIN CHARACS F C % M	FRACTURE # TK	STRUCTUR-1 T ID STK DIP RT	STRUCTUR-2 T ID STK DIP RT	ALTERATION HH AA CY CB	ALTERATION MINS HH AA MG XX	ORE-TYPE MINS HH AA PY CP	ORE-TYPE MINS HH AA GL YT	SUMMARY
P	134.10	140.21				P	F/ 25	P5						
L							UC 25							
P	140.21	146.75				P	LC 20	J/						
L							BN 60							
P	146.75	149.10				P	UC 10	V1 P7						
L							LC 35							
P	149.10	152.15				P	V+	P=						

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M584

DRILLHOLE/TRAVERSE : WT880006 (CONTINUED)

KEY	FROM	TO	CORE RECOVERY (%)	% M I X	ROCK TYPE	TYPIFYING MIN 1	TYPIFYING MIN 2	QAL MAT	TEXTURES TX 1	TEXTURES TX 2	GRAIN CHARACS F	C	% M	FRACTURE P	# TK	STRUCTURE-1 T	ID	STK AZM	DIP RT	ALTERATION MINS A QZ	A BI	A CY	A CB	A MG	ANY MIN xX	ORE-TYPE MINS H PY	H CP	H GL	ANY MIN YY	SUMMARY
KEY			ROCK QUAL DESIG	FOR MEM AGE	EN V	RT Q	TM LC-COL 3	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	AF H A	MG H A	CL H A	EP H A	HE H A	HA H A	PR H A	MO H A	SL H A	MA H A	
L							5A									LC		60												D.
R P	152.15	157.65																											SILTSTONE: GREY, CHERTY, PYRITIC FROM 152.30-152.40M WITH A
R P	152.15	157.65																											TRACE OF ARSENOPYRITE. LOCALLY BRECCIATED AT 152.40-152.80M.
R P	152.15	157.65																											PYRITE AT 156.22-157.70M.
P	157.65	158.85					SABX		BX					P					K/										
L							5A																						
R P	157.65	158.85																											SANDSTONE BRECCIA: GREY, MATRIX SUPPORTED. CHALCODONIC
R P	157.65	158.85																											FRACTURES.
P	158.85	169.01					SAND							P					V+									D.	
L							5U																						
R P	158.85	169.01																											SANDSTONE: BROWN, CUT BY 3% CHALCEDONY VEINS, LOCAL SULPHIDE
R P	158.85	169.01																											RICH BRECCIA ZONES, WELL BROKEN.
P	169.01	178.31					SABX							P					V/									D/	
R P	169.01	178.31																											SANDSTONE BRECCIA: CHALCEDONIC MATRIX WITH DISSEMINATED
R P	169.01	178.31																											SULPHIDES.
P	178.31	188.06					QF/D							P		LC		30	V/	P3								D)	
L							UA																						
R P	178.31	188.06																											QUARTZ FELDSPAR PORPHYRY: BROWN TO GREY, WEAK TO MODERATE CLAY
R P	178.31	188.06																											ALTERATION. LOCAL BRECCIA ZONES. CUT BY CHALCEDONIC FRACTURES
R P	178.31	188.06																											AT 0, 35 AND 74 DEG. UP TO 1% PYRITE, MAINLY ON 30 AND 50 DEG.
R P	178.31	188.06																											FRACTURES. 3 CM CHALCEDONIC SEEVAGE AT LOWER CONTACT.
P	188.06	229.21					SAND							P					V+	P=								D.	
L							TA																					D?	
R P	188.06	229.21																											SANDSTONE: BUFF TO GREY. WEAK CLAY ALTERATION. 2% CHALCEDONY
R P	188.06	229.21																											CLASTS, MINOR PYRITE. POSSIBLE ARSENOPYRITE. BRECCIA ZONE WITH
R P	188.06	229.21																											CHALCEDONY, PYRITE AND ARSENOPYRITE AT 198.00-198.40M. TRACE OF
R P	188.06	229.21																											SPHALERITE AT 204.50M. WELL FRACTURED. STRONG
R P	188.06	229.21																											QUARTZ, PYRITE, ARSENOPYRITE FILLED FRACTURES AT 216.10, 217.32,
R P	188.06	229.21																											213.80 AND 218.54M. GOUGY ZONE AT 221.25M. CHALCEDONY OCCURS IN
R P	188.06	229.21																											FRACTURES. SECTION AT 223.90-227.75M HAS UP TO 4% CHALCEDONY IN
R P	188.06	229.21																											FRACTURES AND 2% PYRITE.

DATE: 19/DEC/88 M584 - WT880006 PAGE: 1
AD01 ASSAY FILE

_INE	FROM	TO	NUMBER	LENGTH	AUPPB	ASPPM
1	7.01	8.53	248165	1.52	15	30
2	23.47	24.38	248166	0.91	0	205
3	33.75	34.75	248167	1.00	10	200
4	37.00	38.05	248168	1.05	45	35
5	38.05	38.40	248169	0.35	75	7600
6	40.23	40.54	248170	0.31	30	385
7	59.00	60.00	248171	1.00	10	35
8	74.50	75.50	248172	1.00	0	50
9	82.55	83.50	248173	0.95	70	30
10	84.80	85.80	248174	1.00	15	0
11	85.80	86.80	248175	1.00	40	10
12	87.80	88.80	248176	1.00	30	5
13	91.00	92.00	248177	1.00	10	10
14	92.00	93.00	248178	1.00	5	25
15	93.00	94.00	248179	1.00	80	35
16	94.00	95.00	248180	1.00	30	35
17	95.00	96.00	248181	1.00	310	220
18	96.00	97.00	248182	1.00	425	350
19	104.00	105.00	248183	1.00	10	0
20	105.00	106.00	248184	1.00	45	10
21	112.35	113.00	248185	0.65	395	15
22	113.00	114.00	248186	1.00	45	20
23	118.00	119.00	248187	1.00	40	10
24	123.00	124.00	248188	1.00	85	25
25	126.00	127.00	248189	1.00	40	90
26	127.00	128.00	248190	1.00	60	155
27	132.00	133.00	248191	1.00	10	80
28	133.00	134.00	248192	1.00	15	250
29	134.00	135.50	248193	1.50	45	55
30	135.50	136.50	248194	1.00	100	370
31	136.50	137.50	248195	1.00	55	80
32	137.50	138.50	248196	1.00	45	80
33	138.50	139.50	248197	1.00	45	100
34	139.50	140.21	248198	0.71	110	395
35	140.21	141.00	248199	0.79	45	965
36	141.00	141.75	248200	0.75	120	1250
37	141.75	142.80	248201	1.05	85	720
38	142.80	143.80	248202	1.00	365	710
39	143.80	144.80	248203	1.00	275	455
40	144.80	145.80	248204	1.00	215	225
41	145.80	146.80	248205	1.00	40	260
42	146.80	147.80	248206	1.00	15	4520
43	147.80	149.10	248207	1.30	50	3015
44	149.10	150.30	248208	1.20	1150	175
45	150.30	151.30	248209	1.00	10	335
46	151.30	152.05	248210	0.75	75	6450
47	152.05	152.81	248211	0.76	1100	3500
48	157.60	158.85	248212	1.25	130	155
49	158.85	160.00	248213	1.15	70	115
50	160.00	161.00	248214	1.00	20	125
51	161.00	162.00	248215	1.00	45	225
52	162.00	163.00	248216	1.00	70	405
53	163.00	164.00	248217	1.00	65	295
54	164.00	165.00	248218	1.00	80	435

LINE	FROM	TO	NUMBER	LENGTH	AUPPB	ASPPM
55	165.00	166.00	248219	1.00	345	470
56	166.00	167.00	248221	1.00	40	455
57	167.00	168.00	248222	1.00	30	195
58	168.00	169.00	248223	1.00	20	255
59	169.00	170.00	248224	1.00	35	230
60	170.00	171.00	248225	1.00	50	440
61	171.00	172.00	248226	1.00	25	400
62	172.00	173.00	248227	1.00	40	275
63	173.00	174.96	248228	1.96	70	365
64	174.96	178.31	248229	3.35	135	920
65	178.31	179.60	248230	1.29	30	400
66	182.00	183.00	248231	1.00	350	650
67	185.00	186.00	248232	1.00	15	120
68	189.00	190.00	248233	1.00	15	140
69	192.00	193.00	248234	1.00	0	95
70	197.00	198.00	248235	1.00	20	275
71	198.00	198.50	248236	0.50	695	2015
72	198.50	199.50	248237	1.00	30	320
73	203.00	204.00	248238	1.00	110	250
74	204.00	205.00	248239	1.00	1700	190
75	205.00	206.00	248240	1.00	15	100
76	206.00	207.00	248241	1.00	30	135
77	212.00	213.00	248242	1.00	50	805
78	213.00	214.00	248243	1.00	300	1345
79	216.00	217.00	248244	1.00	160	1685
80	217.00	218.00	248245	1.00	845	4015
81	218.00	219.00	248246	1.00	120	645
82	219.00	220.00	248247	1.00	640	165
83	222.00	223.00	248248	1.00	70	270
84	223.00	224.00	248249	1.00	70	70
85	224.00	225.00	248250	1.00	35	80
86	225.00	226.00	248220	1.00	280	90
87	226.00	227.00	248251	1.00	130	220
88	227.00	228.00	248252	1.00	50	95
89	228.00	229.21	248253	1.21	10	70

89 samples

DIAMOND DRILL RECORD

PROPERTY Stirrup Creek HOLE No. S.C. 88-2

RENUMBERED 88-6

DIP TEST		
	Angle	
Footage	Reading	Corrected
160.93	-64°	

Measurements in metres.

Hole No. S.C. 88-2 Sheet No. 1/11
Section
Date Begun October 12,1988
Date Finished October 20,1988
*Hole set at -62° Oct.12/88

Lat.
Dep.
Bearing 024.5°/ -60*
Elev. Collar Approx. 1998.2M

Total Depth 229.21M (752 fee
Logged By T.E.Lisle.
Claim
Core Size G co 54.86M HO
54.86 to 229.12 NQ
PPM

DEPTH	% Core Recov.	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE	From(M)	To(M)	Au(ppb)	As.
0 — 7.01	±5%	RUBBLE.						
7.01 — 8.53	80%	SILTSTONE BRECCIA. Small siltstone and pale felsic ? clasts in a grey-brown matrix with disseminated pyrite. Grades? at 7.75 metres in highly broken section, to a brown grey siltstone. Bottom contact is brecciated.	248165	1.52	7.01	8.53		
8.53 — 53.79		SILTSTONE. Commonly a greyish-green well banded unit with local gradations to fine grained sandstone. Section has been variably altered to a brownish cherty siltstone. Core is generally well broken and recoveries low. Variations as noted:						
	+10%	8.53 -11.58M Rubble, mainly well rounded, greyish-brown.						
	0%	11.58-14.32M.						
	15%	14.32-15.85M. Rubble with few pieces of angular core, greenish-grey colour.						
	50%	15.85-16.15M. Brownish-green, well broken.						
	0%	16.15-16.46M.						
	75%	16.46-17.37M. Greenish-grey to brown, 60° bedding, well broken.						
	25%	17.37-18.90M. As above, bedding at ±70°, weak carbonate fractures, Traces of pyrrhotite and pyrite.						

DIAMOND DRILL RECORD

PROPERTY Stirrup Creek HOLE No. S.C. 88-2

DIP TEST		
	Angle	
Footage	Reading	Corrected
160.93	-64°	

Measurements in metres.

Hole No. S.C. 88-2 Sheet No. 2/11
Section
Date Begun October 12,1988
Date Finished October 20,1988
*Hole set at -62° Oct.12/88

Lat.
Dep.
Bearing 024.5°/ -60*
Elev. Collar Approx. 1998.2M

Total Depth 229.21M (752 fe
Logged By T.E.Lisle.
Claim
Core Size G co 54.86M HO
54.86 to 229.12 N
PPV

DEPTH	% Core Recov.	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE	From(M)	To(M)	Au(ppb)	As.
8.53 — 53.79	13%	18.90-19.81M. As above, slightly cherty, broken.						
	25%	19.81-22.55M. Brown, slightly cherty with greenish-grey sections at bottom. Minor qtz-carbonate fractures.						
	40%	22.55-23.16M As above, 50° bedding at bottom.						
	100%	23.16-24.38M. Green at top grading to brown at bottom with bedding at 65° to 70°. Shear zones at 10° to 40° and locally to 55° with quartz-carbonate. Quartz-carbonate occurs in weak irregular fractures with minor dark grey quartz. Traces of pyrite on dark grey graphitic shear planes.	248166	0.91	23.47	24.38		
	±45%	24.38 -28.04M. As above. Local bedding shears at ±80°, in places with graphitic shear planes. Quartz-carbonate fractures at 50° or 70°. Gouge at 26.21M. Traces of pyrite, pyrrhotite and chalcopyrite.						
	0%	28.04-29.56M						
	45%	29.56-30.48M. As above, top highly broken. Tr. Po.						
	90%	30.48-31.24M. Broken at top and well banded at ±75° at bottom. Slightly cherty.						
	55%	31.24-32.16M. Brown, cherty, broken.						
	75%	32.16-33.22M. As above grading to green siltstone bedded at ±70°. Trace of pyrite on quartz carbonate fractures.	248167	1.00	33.75	34.75		
	90%	33.22-34.75M. Well bedded at 65°, irregular at bottom. Scattered quartz-carb in beds or fractures. Minor pyrite in 35° fractures.						

DIAMOND DRILL RECORD

PROPERTY Stirrup Creek HOLE No. S.C. 88-2

DIP TEST		
	Angle	
Footage	Reading	Corrected
160.93	-64°	

Measurements in metres.

Hole No. S.C. 88-2 Sheet No. 3/11
Section
Date Begun October 12,1988
Date Finished October 20,1988
*Hole set at -62° Oct.12/88

Lat.
Dep.
Bearing 024.5°/ -60*
Elev. Collar Approx. 1998.2M

Total Depth 229.21M (752 fe
Logged By T.E.Lisle.
Claim
Core Size G co 54.86M HO
54.86 to 229.12 N
PPX

DEPTH	% Core Recov.	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE	From(M)	To(M)	Au(ppb)	As.
	+95%	34.75-36.88M. Brown, slightly cherty grading to well bedded ±70° at top to about 35° and slightly more irregular at base. Weak bedding shears at 36.0. Weak quartz-carbonate fractures, traces of pyrite and pyrrhotite.	248168	1.05	37.0	38.05		
			248169	0.35	38.05	38.40		
	100%	36.88-38.40M. Well bedded to 38.05 at ±55° then 45° to 60° shear zone to bottom with quartz, quartz-carbonate? fine pyrite and traces of arsenopyrite.						
	<<5%	38.40-39.32M 3 cm. of above shear. Breccia ?.						
	0%	39.32-40.23M.						
	50%	40.23-40.54M. Well broken.	248170	0.31	40.23	40.54		
	25%	40.54-40.84M. As above.						
	0%	40.84-46.33M.						
	50%	46.33-47.24M. Brownish. Cherty.						
	<15%	47.24-49.38M. As above. Trace Pyrite, Pyrrhotite.						
	50%	49.38-50.29M. As above.						
	10%	50.29-51.21M. As above.						
	15%	51.21-52.42M. As above.						
	0%	52.42-53.34M.						
	45%	53.34-53.79M. As above previous section.						

DIAMOND DRILL RECORD

PROPERTY Stirrup Creek HOLE No. S.C. 88-2

DIP TEST		
	Angle	
Footage	Reading	Corrected
160.93	-64°	

Measurements in metres.

Hole No. S.C. 88-2 Sheet No. 4/11 Lat.
Section. Dep.
Date Begun October 12,1988 Bearing 024.5°/ -60*
Date Finished October 20,1988 Elev. Collar Approx. 1998.2M
*Hole set at -62° Oct.12/88

Total Depth 229.21M (752 fe
Logged By T.E.Lisle.
Claim
Core Size G co 54.86M HQ
54.86 to 229.12 N
ppm

DEPTH	% Core Recov.	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE	From(M)	To(M)	Au(ppb)	As.
53.79 – 61.57	49%	GRANODIORITE.						
		Porphyritic, grey, commonly unaltered, brownish matrix at top. Traces of pyrite and pyrrhotite. Very highly broken. C.R. 20% to 92%.						
61.57 – 79.52	69%	SILTSTONE.						
		Varies from brown to grey with local pinkish-grey laminations. Sections are locally competent and well banded at±60°, or highly broken and in places gougy. Unit is cherty. Traces of pyrite on 35° fractures.	248171	1.00	59.0	60.0		
			248172	1.00	74.5	75.5		
79.52 – 118.00		GRANODIORITE.						
	97%	79.52-84.83M Porphyritic. Grey unaltered with finer grained groundmass than higher section. Section from 53.79 to 61.57 is weakly clay altered with 40° and 60° quartz carbonate fractures. Traces of pyrite, pyrrhotite, arsenopyrite?	248173	0.95	82.55	83.50		
	95%	84.83-89.88M. As above. Gradational weakly altered zones with pyrite between 84.83 and 85.5M, and 87.7 and 89.8M. (These paler altered zones have been mapped locally as feldspar porphyry). These zones are cut by white to pinkish-white quartz carbonate± pyrite fractures. Minor pyrite in other fractures at 20° to 50°. The sections between 85.8 and 86.7 and 87.1 and 87.35 are well broken, locally gougy, with green chloritic fractures and minor pyrite.	248174	1.00	84.80	85.80		
			248175	1.00	85.80	86.80		
			248176	1.00	87.80	88.80		

DIAMOND DRILL RECORD

PROPERTY Stirrup Creek HOLE No. S.C. 88-2

DIP TEST		
	Angle	
Footage	Reading	Corrected
160.95	-64°	

Measurements in metres.

Hole No. S.C. 88-2 Sheet No. 5/11
Section
Date Begun October 12,1988
Date Finished October 20,1988
*Hole set at -62° Oct.12/88

Lat.
Dep.
Bearing 024.5°/ -60*
Elev. Collar Approx. 1998.2M

Total Depth 229.21M (752 fee
Logged By T.E.Lisle.
Claim
Core Size G to 54.86M HO
54.86 to 229.12 NQ
ppm

DEPTH	% Core Recov	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE	From(M)	To(M)	Au(ppb)	As.
79.52 — 118.00		Continued.						
	85%	89.88-94.49M						
		As above. Pale altered zones grade to unaltered between 90.9 and 92.80M. Section from 89.88 to 91.0 is cut by siliceous stringers with traces of arsenopyrite and pyrite, and by quartz-carbonate ± pyrite fractures trending up to 80°. From 92.96 to 94.49 section is well broken, locally chloritic, and gougy, with limonite possibly related to 10° fractures.	248177	1.00	91.0	92.0		
			248178	1.00	92.0	93.0		
			248179	1.00	93.0	94.0		
			248180	1.00	94.0	95.0		
			248181	1.00	95.0	96.0		
			248182	1.00	96.0	97.0		
	+90%	94.49-106.5 Weakly altered to 102.5 and grading to unaltered below. chloritic fractures with pyrite. Trace pyrrhotite.						
	±90%	106.5-112.35. As above, weakly altered zone from 111.7 to 112.0M. Section has weakly scattered quartz carbonate and quartz fractures ± pyrite at variable angles.	248183	1.00	104.0	105.0		
			248184	1.00	105.0	106.0		
	±95%	112.35-118.00M. Weakly altered with more diffuse groundmass than above. Strands of a strong 15° shear zone at 112.62 and 113.84 with traces of pyrite and arsenopyrite ?. Section from 112.32 to 115.37M is pale grey and weak to moderately clay altered. Limonitic gouge zone at 116.3M at about 45°. Contacts gradational.	248185	0.65	112.35	113.00		
			248186	1.00	113.00	114.00		
118.00 — 126.00	+95%	QUARTZ FELDSPAR PORPHYRY. Buff to locally pale buff. Moderately altered 118.0 -119.29: 123.0-123.80; & 125.37-126.00M.						

DIAMOND DRILL RECORD

PROPERTY Stirrup Creek HOLE No. S.C. 88-2

DIP TEST		
	Angle	
Footage	Reading	Corrected
160.95	-64°	

Measurements in metres.

Hole No. S.C. 88-2 Sheet No. 6/11
Section
Date Begun October 12,1988
Date Finished October 20,1988
*Hole set at -62° Oct.12/88

Lat.
Dep.
Bearing 024.5°/ -60*
Elev. Collar Approx. 1998.2M

Total Depth 229.21M (752 fe
Logged By T.E.Lisle.
Claim
Core Size B co 54.86M HO
54.86 to 229.12 N
PPW

DEPTH	% Core Recov	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE	From(M)	To(M)	Au(ppb)	As.
118.00 — 126.00	+95%	Continued. Section grades to dark grey unaltered between 121.0 and 121.4M . More altered zones contain up to 1% pyrite. Minor pinkish quartz-carbonate fractures, chalcedony fractures, and section is increasingly limonitic to bottom.	248187	1.00	118.00	119.00		
			248188	1.00	123.00	124.00		
126.00 — 134.10	±90%	QUARTZ FELDSPAR PORPHYRY. Commonly limonitic, weak to locally moderate clay alteration. Erratic ±25° chalcedony fractures. Small breccia zones at ±55° near 126.00. A small siliceous zone with dark grey sulphide ? and minor pyrite occurs at133.40-133.96 at ±45°. Py. is erratic, locally up to 1%. Bottom contact is gougy and crushed, top contact is gradational.	248189	1.00	126.00	127.00		
			248190	1.00	127.00	128.00		
134.10 — 140.21	95%	QUARTZ FELDSPAR PORPHYRY. Brownish-grey, weak to moderately altered to 135.35. From 135.35 to 137.75M, section is soft, brown altered (moderate clay) and bottom marked by 25° black fracture zone (F.G.arsenopyrite)? 137.75-139.40M Soft grey section with up to 5% very fine sulphide ? that locally forms black streaks at 0° or ±30°. Highly altered. 139.40-139.85M. As above 137.75M. Top contact at ±25°. Bottom contact with more competent porphyry is both sharp and gougy at ±20°. 139.40-140.21M. Weak to moderately altered. Local dark sulphide? gash fractures. Highly broken. Pyritic fractures.	248191	1.00	132.00	133.00		
			248192	1.00	133.00	134.00		
			248193	1.50	134.00	135.50		
			248194	1.00	135.50	136.50		
			248195	1.00	136.50	137.50		
			248196	1.00	137.50	138.50		
			248197	1.00	138.50	139.50		
			248198	0.71	139.50	140.21		
			248199	0.79	140.21	141.00		
			248200	0.75	141.00	141.75		

DIAMOND DRILL RECORD

PROPERTY Stirrup Creek HOLE No. S.C. 88-2

DIP TEST		
	Angle	
Footage	Reading	Corrected
160.93	-64°	

Measurements in metres.

Hole No. S.C. 88-2 Sheet No. 7/11
Section
Date Begun October 12,1988
Date Finished October 20,1988
*Hole set at -62° Oct.12/88

Lat.
Dep.
Bearing 024.5°/ -60*
Elev. Collar Approx. 1998.2M

Total Depth 229.21M (752 fe
Logged By T.E.Lisle.
Claim
Core Size G co 54.86M HQ
54.86 to 229.12 N
PPM

DEPTH	% Core Recov.	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE	From(M)	To(M)	Au(ppb)	As.
140.21 — 146.75	±95%	SILTSTONE. Top contact is broken. Bottom contact with limonitic gouge is sharp at ±20°. 141.2 -141.63 Greyish brecciated intrusive with minor quartz, pyrite and arsenopyrite ?. Intrusive fragments up to 141.2 may indicate edge of a dyke or sill. Sections from 140.21 -142.00 and 143.7 to 146.75 are cherty siltstone breccias. Top section has erratic streaks of blackish fine sulphide. Bottom section has significantly more chalcedony cementing altered clasts of fine-grained sandstone, and also fine grained sulphide as above. Central section from 142.00 to 143.70 is softer, and banded at ± 60°. This section is limonitic-grey and contains thin irregular interbeds of f.g. sandstone. It locally has fine black sulphide fractures and minor chalcedony and quartz carbonate fractures.	248201	1.05	141.75	142.80		
			248202	1.00	142.80	143.80		
			248203	1.00	143.80	144.80		
			248204	1.00	144.80	145.80		
			248205	1.00	145.80	146.80		
			248206	1.00	146.80	147.80		
			248207	1.30	147.80	149.10		
			248208	1.20	149.10	150.30		
			248209	1.00	150.3	151.30		
			248210	0.75	151.30	152.05		
			248211	0.76	152.05	152.81		
146.75 — 149.10	95%	QUARTZ FELDSPAR PORPHYRY. -146.75 149.10M. Very highly altered. Top contact is along a 1 cm pale gougy limonitic zone. 147.63 Pale gougy limonitic zone at ±25°. -147.98 - 148.70M. Soft gougy limonitic breccia zone with clasts of quartz feldspar porphyry. Top contact is at ±10°. Bottom grades to a more competent porphyry. All rock in this section is stained green that appears related to VFG arsenopyrite, minor pyrite in and around dark quartz stringers or fragments. -Bottom contact is±35° and a pale limonitic gougy zone.						

DIAMOND DRILL RECORD

PROPERTY Stirrup Creek HOLE No. S.C. 88-2

DIP TEST		
	Angle	
Footage	Reading	Corrected
160.93	-64°	

Measurements in metres.

Hole No. S.C. 88-2 Sheet No. 8/11
Section
Date Begun October 12,1988
Date Finished October 20,1988
*Hole set at -62° Oct.12/88

Lat.
Dep.
Bearing 024.5°/ -60*
Elev. Collar Approx. 1998.2M

Total Depth 229.21M (752 fe
Logged By T.E.Lisle.
Claim
Core Size G co 54.86M HQ
54.86 to 229.12 N
PPV

DEPTH	% Core Recov.	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE	From(M)	To(M)	Au(ppb)	As.
149.10 – 152.15	+95%	QUARTZ FELDSPAR PORPHYPY.						
		Brown altered, grading at 150.25 to grey, weakly altered QFP with pyrite fractures. Locally +2% Py.						
		151.3-151.60, 50° silicified quartz stringers with disseminated arsenopyrite.						
		151.6 to 151.85, Broken gougy limonitic zone trending about 25° at top to 50° at base.						
		151.85-152.00, Grey pyritized QFP as above.						
		152.00-152.15, Steep 30° contact area, locally vuggy quartz, minor pyrite, arsenopyrite?						
152.15 – 155.14	+95%	SILTSTONE						
		Grey and cherty to 152.81 then greyish-green to brown. Section contains about 20% coarser siltstone as irregular beds or clasts. Bedding at ±60°.						
		152.3 to 152.4 is heavily pyritized with trace of arsenopyrite on 55° trend. From 152.4 to 152.80 section is grey, cherty and locally a breccia. It contains Vfg arsenopyrite.						
		Bottom contact at ±60°.						
155.14 – 157.65	+90%	SILTSTONE.						
		As above. Fine grained weakly altered sandstone with pyrite from 156.22 to 157.70. Sections near contacts are well broken.						
157.65 – 158.85	+90%	CHALCEDONIC BRECCIA.	248212	1.25	157.60	158.85		
		Grey, matrix supported, with angular to sub round altered sandstone clasts to ±1 cm. Weak concentrations of black vfg sulphide. Near bottom, chalcedonic fractures are almost black.	248213	1.15	158.85	160.00		

DIAMOND DRILL RECORD

PROPERTY Stirrup Creek

HOLE No. S.C. 88-2

DIP TEST		
	Angle	
Footage	Reading	Corrected
160.93	-64°	

Measurements in metres.

Hole No. S.C. 88-2 Sheet No. 9/11

Section

Date Begun October 12,1988

Date Finished October 20,1988

*Hole set at -62° Oct.12/88

Lat.

Dep.

Bearing 024.5°/ -60*

Elev. Collar Approx. 1998.2M

Total Depth 229.21M (752 feet

Logged By T.E.Lisle.

Claim

Core Size G co 54.86M HO
54.86 to 229.12 NO

DEPTH	% Core Recov.	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE	From(M)	To(M)	Au(ppb)	As. PPM
158.85 - 169.01	82%	SANDSTONE. Weak to moderately altered and commonly pale limonitic-brown. Section cut by ±3% grey to dark grey chalcedonic fractures and clasts. In placed stringers include dark grey breccia zones with vfg sulphides. Section after 163.80 resembles altered intrusive. Section is locally well broken with strong hematite-red limonite fractures. Trace to 0.5% pyrite.						
			248214	1.00	160.00	161.00		
			248215	1.00	161.00	162.00		
			248216	1.00	162.00	163.00		
			248217	1.00	163.00	164.00		
			248218	1.00	164.00	165.00		
169.10 - 178.31		CHALCEDONIC BRECCIA.	248219	1.00	165.00	166.00		
(169.10-174.96)	40%	Varies from matrix supported to irregular chalcedonic veins. FG sandstone clasts. Darker chalcedony has rims or disseminations of vfg sulphide.	248221	1.00	166.00	167.00		
			248222	1.00	167.00	168.00		
	8%	174.96-178.31M. Area of high core loss. Section is represented by 0.27 M of solid core from a± 15° contact between chalcedonic breccia and quartz feldspar porphyry. The contact has 10 to 15% vfg sulphide streaks along it.	248223	1.00	168.00	169.00		
			248224	1.00	169.00	170.00		
			248225	1.00	170.00	171.00		
			248226	1.00	171.00	172.00		
178.31 - 188.06	95%	QUARTZ FELDSPAR PORPHYRY.	248227	1.00	172.00	173.00		
		Brown to 181.3 then pale grey, weak to moderately altered with a pinkish groundmass. Section is cut by erratic dark grey breccia stringers and by pale grey chalcedonic fractures at 0°, 30° or 75°. Broken limonitic zone at 183.50M. Up to 1% pyrite, mainly on 30° to 50° fractures. Bottom contact at ±30° with a 2 to 3 cm. dark grey chalcedonic selvedge.	248228	1.96	173.00	174.96		
			248229	3.35	174.96	178.31		
			248230	1.29	178.31	179.60		
			248231	1.00	182.00	183.00		
			248232	1.00	185.00	186.00		

DIAMOND DRILL RECORD

PROPERTY Stirrup Creek HOLE No. S.C. 88-2

DIP TEST		
	Angle	
Footage	Reading	Corrected
160.95	-64°	

Measurements in metres.

Hole No. S.C. 88-2 Sheet No. 10/11
Section
Date Begun October 12,1988
Date Finished October 20,1988
*Hole set at -62° Oct.12/88

Lat.
Dep.
Bearing 024.5°/ -60*
Elev. Collar Approx. 1998.2M

Total Depth 229.21M (752 fee
Logged By T.E.Lisle.
Claim
Core Size 0 to 54.86M HQ
54.86 to 229.12 N
PPV

DEPTH	% Core Recov.	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE	From(M)	To(M)	Au(ppb)	As.
188.06 – 229.21	95%	SANDSTONE.	248233	1.00	189.00	190.00		
		188.06-197.6 Massive, buff-grey, weak clay alt. 2% chalcedony as clasts, or 0° to 15° vein breccia stringers. Chalcedony is locally dark grey, possibly rimmed with vfg arsenopyrite. Section mottled by vuggy limonitic fractures. Minor pyrite.	248234	1.00	192.00	193.00		
			248235	1.00	197.00	198.00		
	±90%	197.6-201.78 As above with conspicuous breccia zone from 198.0 to 198.4 with dark grey chalcedony, fragments of siltstone, pyrite-arsenopyrite fractures and limonitic vuggy fractures. Chalcedony decreases to less than 1%, and occurs as cherty clasts. Section generally well broken along 0° to 30° limonitic fractures. 30° limonitic gouge zone at 201.5	248236	0.50	198.00	198.50		
			248237	1.00	198.50	199.50		
	±80%	201.78-210.63 Buff grey as above and weakly clay altered. Limonitic fractures but decreasing brown alteration. 2% chalcedony as dark grey breccia stringers or as paler grey stringers or clasts. ±0.5% pyrite, trace of sphalerite ? at 204.50M in 50° fractures.	248238	1.00	203.00	204.00		
			248239	1.00	204.00	205.00		
			248240	1.00	205.00	206.00		
			248241	1.00	206.00	207.00		
	95%	210.63-217.32. As above. Increase in strong quartz-pyrite-arsenopyrite fractures at 25° particularly at 216.1, 217.32 and 210.86. Zone at 217.32 is strongly broken and stained green. Weak chalcedony fractures after 213.8M	248242	1.00	212.00	213.00		
			248243	1.00	213.00	214.00		

DIAMOND DRILL RECORD

PROPERTY Stirrup Creek HOLE No. S.C. 88-2

DIP TEST		
	Angle	
Footage	Reading	Corrected
160.93	-64°	

Measurements in metres.

Hole No. S.C. 88-2 Sheet No. 11/11 Lot
Section Dep
Date Begun October 12,1988 Bearing 024.5°/ -60*
Date Finished October 20,1988 Elev. Collar Approx. 1998.2M
*Hole set at -62° Oct.12/88

Total Depth 229.21M (752 fee
Logged By T.E.Lisle.
Claim
Core Size 0 to 54.86M HQ
54.86 to 229.12 NQ

DEPTH	% Core Recov.	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE	From(M)	To(M)	Au(ppb)	As. PPM
188.06 – 229.21		Continued.						
	+95%	217.32 - 222.20. As above. Strong 35° pyrite-quartz- arsenopyrite? fracture at 218.54. Slight increase in pyrite, locally to ±3% as fracture fillings or disseminations. Brown altered with 35° gougy zone at 221.25. Chalcedony is commonly pale grey but less than 2%.	248244	1.00	216.00	217.00		
			248245	1.00	217.00	218.00		
			248246	1.00	218.00	219.00		
	+90%	222.20-229.21. As above. Central section from 223.90 to 227.75 is marked by 2% to 4% grey to dark grey chalcedony that forms conspicuous vuggy fractures. Same section has 1% to locally 2% pyrite in fractures, and at 226.76, a ±15cm. zone includes blebby pyrite with a dark grey vuggy chalcedonic breccia that may vary from 0° to 20° to core axis. After 227.75, chalcedony and pyritic fractures are weak. Section is generally well broken.	248247	1.00	219.00	220.00		
			248248	1.00	222.00	223.00		
			248249	1.00	223.00	224.00		
			248250	1.00	224.00	225.00		
			248251	1.00	226.00	227.00		
			248252	1.00	227.00	228.00		
			248253	1.21	228.00	229.21		
229.21		END OF HOLE.	248220	1.00	225.00	226.00		

APPENDIX VIII

VLF EM-16 DATA

LINE	STATION	FACING:E (SEATTLE) INPHASE	QUAD	FRASER FILTER	FACING: SE (HAWAII) INPHASE	QUAD	FRASER FILTER
400 NW	800 SW	37	7		9	1	
400 NW	775 SW	35	6	12	12	2	-4
400 NW	750 SW	34	7	24	13	2	6
400 NW	725 SW	26	2	19	12	0	8
400 NW	700 SW	19	0	-2	7	-1	-2
400 NW	675 SW	22	2	-10	10	3	-7
400 NW	650 SW	25	2	-6	11	4	-6
400 NW	625 SW	26	2	-3	13	2	-8
400 NW	600 SW	27	2	-3	14	4	-11
400 NW	575 SW	27	3	0	18	6	-12
400 NW	550 SW	29	4	4	20	5	-12
400 NW	525 SW	25	5	4	24	10	-10
400 NW	500 SW	27	7	4	26	10	-5
400 NW	475 SW	23	6	-1	28	10	1
400 NW	450 SW	25	6	-9	27	12	7
400 NW	425 SW	26	6	-8	26	12	10
400 NW	400 SW	31	8	2	22	10	11
400 NW	375 SW	28	8	5	21	13	12
400 NW	350 SW	27	8	9	16	12	10
400 NW	325 SW	27	6	20	15	12	12
400 NW	300 SW	19	4	18	12	10	13
400 NW	275 SW	15	3	12	7	5	0
400 NW	250 SW	13	5	12	7	5	-12
400 NW	225 SW	9	4	13	12	7	-6
400 NW	200 SW	7	5	18	14	7	8
400 NW	175 SW	2	5	22	11	6	13
400 NW	150 SW	-4	3	16	7	5	11
400 NW	125 SW	-9	2	14	5	4	8
400 NW	100 SW	-9	6	23	2	4	4
400 NW	75 SW	-18	2	24	2	5	15
400 NW	50 SW	-23	0	23	1	5	33
400 NW	25 SW	-28	0	30	-12	-2	31
400 NW	0 SW	-36	-2	45	-18	-7	28
400 NW	25 NE	-45	-7	36	-24	-10	26
400 NW	50 NE	-64	-10	0	-34	-12	12
400 NW	75 NE	-53	-10	-10	-34	-12	5
400 NW	100 NE	-56	-9	-11	-36	-12	1
400 NW	125 NE	-51	-7	-20	-37	-12	-9
400 NW	150 NE	-47	-7	-26	-34	-10	-15
400 NW	175 NE	-40	-5	-22	-30	-6	-7
400 NW	200 NE	-32	-2	-6	-26	-6	4
400 NW	225 NE	-33	-3	-4	-31	-9	2
400 NW	250 NE	-33	-2	-9	-29	-9	0
400 NW	275 NE	-28	-2	0	-30	-9	5
400 NW	300 NE	-29	-1	10	-30	-9	10
400 NW	325 NE	-32	-2	15	-34	-9	10
400 NW	350 NE	-35	-2	18	-36	-9	10
400 NW	375 NE	-41	-4	15	-38	-8	12
400 NW	400 NE	-44	-3	6	-42	-6	6
400 NW	425 NE	-47	-8	0	-44	-10	-1
400 NW	450 NE	-44	-4	-2	-42	-9	3
400 NW	475 NE	-47	-3	-6	-43	-10	8
400 NW	500 NE	-42	-3	-2	-46	-10	10
400 NW	525 NE	-43	-3	4	-47	-10	16

LINE	STATION	FACING:E (SEATTLE) INPHASE	QUAD	FRASER FILTER	FACING: SE (HAWAII) INPHASE	QUAD	FRASER FILTER
400 NW	550 NE	-44	-4	16	-52	-9	14
400 NW	575 NE	-45	-6	23	-57	-10	9
400 NW	600 NE	-58	-4	2	-56	-9	14
400 NW	625 NE	-54	-6	-15	-62	-10	10
400 NW	650 NE	-51	-8	-19	-65	-12	-4
400 NW	675 NE	-46	-7	-22	-63	-14	-21
400 NW	700 NE	-40	-2	-16	-60	-14	-40
400 NW	725 NE	-35	0	-3	-47	-11	-31
400 NW	750 NE	-35	-4	5	-36	-8	-4
400 NW	775 NE	-37	-4		-40	-8	
400 NW	800 NE	-38	-2		-39	-6	
300 NW	800 SW	24	5		5	3	
300 NW	775 SW	24	5	2	3	1	12
300 NW	750 SW	22	5	-3	-2	4	2
300 NW	725 SW	24	5	-5	-2	3	-4
300 NW	700 SW	25	4	-1	1	3	3
300 NW	675 SW	26	4	0	-1	5	8
300 NW	650 SW	24	3	-5	-3	0	-2
300 NW	625 SW	27	4	1	-5	-2	-16
300 NW	600 SW	28	2	19	3	3	-10
300 NW	575 SW	22	0	26	5	3	3
300 NW	550 SW	14	-2	20	3	1	8
300 NW	525 SW	10	-1	14	2	-2	11
300 NW	500 SW	6	1	12	-2	-1	8
300 NW	475 SW	4	2	9	-4	1	2
300 NW	450 SW	0	1	3	-4	-2	2
300 NW	425 SW	1	2	4	-4	-1	4
300 NW	400 SW	0	0	6	-6	-2	6
300 NW	375 SW	-3	-1	1	-6	0	10
300 NW	350 SW	-2	4	2	-10	2	8
300 NW	325 SW	-2	2	9	-12	2	7
300 NW	300 SW	-5	2	13	-12	4	16
300 NW	275 SW	-8	0	10	-17	2	18
300 NW	250 SW	-12	-3	1	-23	-1	6
300 NW	225 SW	-11	-2	-7	-24	-2	-18
300 NW	200 SW	-10	0	-11	-22	-2	-40
300 NW	175 SW	-6	4	0	-7	7	-31
300 NW	150 SW	-4	9	23	1	13	-6
300 NW	125 SW	-12	5	43	1	13	9
300 NW	100 SW	-21	1	44	-1	11	17
300 NW	75 SW	-38	-9	27	-6	7	11
300 NW	50 SW	-39	-11	33	-11	-1	-2
300 NW	25 SW	-47	-14	32	-7	1	2
300 NW	0 SW	-63	-8	-2	-8	2	13
300 NW	25 NE	-55	-7	-12	-12	1	14
300 NW	50 NE	-53	-3	11	-16	0	11
300 NW	75 NE	-53	-2	26	-18	-3	14
300 NW	100 NE	-66	0	9	-21	-1	24
300 NW	125 NE	-66	-1	-15	-27	-5	29
300 NW	150 NE	-62	-1	-20	-36	-9	21
300 NW	175 NE	-55	-2	-16	-41	-13	13
300 NW	200 NE	-53	-2	-17	-43	-11	13
300 NW	225 NE	-48	0	-15	-47	-12	9

LINE	STATION	FACING:E (SEATTLE) INPHASE	QUAD	FRASER FILTER	FACING: SE (HAWAII) INPHASE	QUAD	FRASER FILTER
300 NW	250 NE	-43	-1	-8	-50	-11	0
300 NW	275 NE	-43	0	1	-49	-10	1
300 NW	300 NE	-40	0	10	-48	-10	3
300 NW	325 NE	-47	-2	6	-52	-13	-8
300 NW	350 NE	-46	-1	5	-48	-12	-16
300 NW	375 NE	-47	-2	5	-44	-9	-11
300 NW	400 NE	-51	-2	0	-40	-10	1
300 NW	425 NE	-47	-5	1	-41	-9	7
300 NW	450 NE	-51	-7	-5	-44	-10	1
300 NW	475 NE	-48	-6	-11	-44	-10	-3
300 NW	500 NE	-45	-5	-7	-42	-11	0
300 NW	525 NE	-43	-5	0	-43	-10	3
300 NW	550 NE	-43	-6	2	-43	-8	3
300 NW	575 NE	-45	-10	-4	-45	-8	3
300 NW	600 NE	-43	-9	-17	-44	-6	3
300 NW	625 NE	-41	-10	-21	-47	-9	1
300 NW	650 NE	-30	-5	-3	-45	-5	5
300 NW	675 NE	-33	-2	5	-47	-6	10
300 NW	700 NE	-35	0	-5	-50	-8	5
300 NW	725 NE	-33	2	-4	-52	-7	-4
300 NW	750 NE	-30	4	10	-50	-4	-7
300 NW	775 NE	-34	8		-48	-3	
300 NW	800 NE	-39	7		-47	-5	
200 NW	800 SW	38	9		21	3	
200 NW	775 SW	33	9	13	20	3	8
200 NW	750 SW	31	8	8	17	3	9
200 NW	725 SW	27	5	1	16	4	10
200 NW	700 SW	29	4	2	12	4	11
200 NW	675 SW	28	4	10	11	5	15
200 NW	650 SW	26	2	8	6	4	17
200 NW	625 SW	21	0	7	2	3	15
200 NW	600 SW	25	-1	21	-2	0	17
200 NW	575 SW	15	-2	32	-5	0	17
200 NW	550 SW	10	-4	33	-12	-4	17
200 NW	525 SW	-2	-6	22	-12	-6	12
200 NW	500 SW	-6	-8	10	-22	-6	-7
200 NW	475 SW	-8	-4	8	-14	0	-9
200 NW	450 SW	-10	-3	10	-13	-2	4
200 NW	425 SW	-12	-2	11	-14	-6	7
200 NW	400 SW	-16	-4	6	-17	-8	1
200 NW	375 SW	-17	-5	-1	-17	-8	-5
200 NW	350 SW	-17	-4	-7	-15	-6	-5
200 NW	325 SW	-15	-4	-15	-14	-4	-4
200 NW	300 SW	-12	-1	-20	-13	-2	-2
200 NW	275 SW	-5	-12	-16	-12	0	3
200 NW	250 SW	-2	3	-12	-13	0	5
200 NW	225 SW	1	3	-10	-15	1	4
200 NW	200 SW	4	5	-4	-15	1	6
200 NW	175 SW	5	7	8	-17	3	3
200 NW	150 SW	4	10	37	-19	1	-15
200 NW	125 SW	-3	8	63	-16	1	-32
200 NW	100 SW	-25	-4	42	-5	7	-21
200 NW	75 SW	-37	-14	0	2	13	-2

LINE	STATION	FACING:E (SEATTLE) INPHASE	QUAD	FRASER FILTER	FACING: SE (HAWAII) INPHASE	QUAD	FRASER FILTER
200 NW	50 SW	-33	-8	3	-2	14	-5
200 NW	25 SW	-29	-2	36	1	12	-5
200 NW	0 SW	-44	2	29	4	10	5
200 NW	25 NE	-54	-5	2	0	9	8
200 NW	50 NE	-48	-2	-3	0	9	10
200 NW	75 NE	-52	0	-8	-4	6	6
200 NW	100 NE	-47	0	-6	-6	5	3
200 NW	125 NE	-45	-1	13	-4	8	11
200 NW	150 NE	-48	0	23	-9	4	14
200 NW	175 NE	-57	-3	7	-12	2	15
200 NW	200 NE	-59	-3	-11	-15	2	30
200 NW	225 NE	-53	-2	-13	-21	0	40
200 NW	250 NE	-52	-4	-14	-36	-10	28
200 NW	275 NE	-47	-3	-13	-40	-11	16
200 NW	300 NE	-44	-2	-6	-45	-10	9
200 NW	325 NE	-42	-2	-1	-47	-11	2
200 NW	350 NE	-43	-2	-3	-47	-12	-2
200 NW	375 NE	-42	-3	-4	-47	-10	-3
200 NW	400 NE	-40	-2	0	-45	-10	-2
200 NW	425 NE	-41	-4	3	-46	-10	3
200 NW	450 NE	-41	-4	0	-44	-8	13
200 NW	475 NE	-43	-8	-10	-50	-11	11
200 NW	500 NE	-39	-6	-14	-53	-10	3
200 NW	525 NE	-35	-2	-7	-52	-10	-2
200 NW	550 NE	-33	0	5	-54	-12	-9
200 NW	575 NE	-34	2	13	-49	-9	-15
200 NW	600 NE	-39	2	12	-48	-7	-19
200 NW	625 NE	-41	-2	18	-40	-1	2
200 NW	650 NE	-44	-2	34	-38	1	40
200 NW	675 NE	-54	-1	16	-52	1	27
200 NW	700 NE	-65	-3	-31	-66	-1	-14
200 NW	725 NE	-49	3	-41	-51	-3	-16
200 NW	750 NE	-39	6	-24	-53	0	-9
200 NW	775 NE	-34	6		-48	0	
200 NW	800 NE	-30	7		-47	0	
100 NW	800 SW	20	0		5	-3	
100 NW	775 SW	18	1	25	1	-4	23
100 NW	750 SW	8	-3	20	-7	-7	12
100 NW	725 SW	5	-2	21	-10	-8	8
100 NW	700 SW	1	-3	31	-8	-5	24
100 NW	675 SW	-9	-8	28	-17	-10	26
100 NW	650 SW	-16	-11	18	-25	-11	16
100 NW	625 SW	-20	-12	18	-26	-10	27
100 NW	600 SW	-23	-13	25	-32	-12	40
100 NW	575 SW	-31	-16	16	-46	-15	32
100 NW	550 SW	-37	-14	-3	-52	-15	16
100 NW	525 SW	-33	-10	-9	-58	-12	-4
100 NW	500 SW	-32	-8	-10	-56	-9	-17
100 NW	475 SW	-29	-8	-11	-50	-9	-16
100 NW	450 SW	-26	-7	-12	-47	-8	-10
100 NW	425 SW	-24	-7	-17	-43	-6	7
100 NW	400 SW	-19	-6	-20	-44	-8	12
100 NW	375 SW	-14	-3	-8	-53	-12	-25

LINE	STATION	FACING:E (SEATTLE) INPHASE	QUAD	FRASER FILTER	FACING: SE (HAWAII) INPHASE	QUAD	FRASER FILTER
100 NW	350 SW	-9	0	15	-46	-11	-51
100 NW	325 SW	-16	-1	19	-26	-5	-24
100 NW	300 SW	-22	-2	4	-22	-8	3
100 NW	275 SW	-22	-5	-1	-26	-12	10
100 NW	250 SW	-20	-3	4	-25	-9	19
100 NW	225 SW	-23	-7	1	-33	-12	14
100 NW	200 SW	-23	-4	-6	-37	-14	-2
100 NW	175 SW	-21	-4	-10	-35	-14	-4
100 NW	150 SW	-19	0	-9	-33	-15	1
100 NW	125 SW	-15	1	-2	-35	-13	-7
100 NW	100 SW	-16	1	7	-34	-12	-23
100 NW	75 SW	-16	1	16	-27	-10	-28
100 NW	50 SW	-22	0	38	-19	-6	-28
100 NW	25 SW	-26	0	53	-14	-3	-25
100 NW	0 SW	-50	-10	29	-4	4	-7
100 NW	25 NE	-51	-8	9	-4	1	9
100 NW	50 NE	-54	-6	5	-7	1	11
100 NW	75 NE	-56	-6	-6	-10	3	6
100 NW	100 NE	-54	-6	-11	-12	2	1
100 NW	125 NE	-50	-5	-4	-11	0	2
100 NW	150 NE	-49	-5	6	-12	2	-2
100 NW	175 NE	-51	-6	13	-13	3	-11
100 NW	200 NE	-54	-5	8	-8	1	-7
100 NW	225 NE	-59	-6	-1	-6	4	4
100 NW	250 NE	-54	-7	-7	-8	0	8
100 NW	275 NE	-58	-9	-20	-10	2	13
100 NW	300 NE	-48	-7	-24	-12	-1	22
100 NW	325 NE	-44	-8	-22	-19	-4	27
100 NW	350 NE	-38	-9	-19	-26	-9	21
100 NW	375 NE	-32	-4	-5	-33	-11	10
100 NW	400 NE	-31	-4	13	-32	-12	14
100 NW	425 NE	-34	-3	18	-36	-10	20
100 NW	450 NE	-42	-5	7	-43	-11	10
100 NW	475 NE	-41	-6	4	-45	-9	6
100 NW	500 NE	-42	-3	-3	-44	-8	11
100 NW	525 NE	-45	-4	-16	-50	-8	7
100 NW	550 NE	-35	4	-2	-50	-6	7
100 NW	575 NE	-36	9	22	-51	-7	10
100 NW	600 NE	-42	8	28	-56	-6	-1
100 NW	625 NE	-51	5	21	-55	-5	-13
100 NW	650 NE	-55	4	-1	-51	-3	-17
100 NW	675 NE	-59	5	-28	-47	3	-13
100 NW	700 NE	-46	2	-27	-42	4	4
100 NW	725 NE	-40	5	-9	-43	4	20
100 NW	750 NE	-38	6	2	-50	0	20
100 NW	775 NE	-39	5		-55	-1	
100 NW	800 NE	-41	4		-58	-3	
0 NW	800 SW	-6	3		-20	2	
0 NW	775 SW	-11	3	21	-24	1	1
0 NW	750 SW	-14	-1	31	-23	-3	-6
0 NW	725 SW	-24	-9	28	-22	-4	-1
0 NW	700 SW	-32	-15	8	-19	-2	8
0 NW	675 SW	-34	-16	-10	-25	-9	2

LINE	STATION	FACING:E (SEATTLE) INPHASE	QUAD	FRASER FILTER	FACING: SE (HAWAII) INPHASE	QUAD	FRASER FILTER
0 NW	650 SW	-30	-13	-17	-24	-8	-6
0 NW	625 SW	-26	-10	-17	-22	-5	-3
0 NW	600 SW	-21	-6	-12	-21	-3	1
0 NW	575 SW	-18	-4	-3	-22	-3	3
0 NW	550 SW	-17	-5	3	-22	-2	7
0 NW	525 SW	-19	-5	2	-24	-1	12
0 NW	500 SW	-19	-5	1	-27	-2	11
0 NW	475 SW	-19	-8	-1	-31	-5	7
0 NW	450 SW	-20	-7	-8	-31	-5	6
0 NW	425 SW	-17	-6	-10	-34	-4	3
0 NW	400 SW	-14	-3	-2	-34	-1	3
0 NW	375 SW	-13	0	8	-34	0	22
0 NW	350 SW	-16	0	6	-37	1	34
0 NW	325 SW	-19	-1	-11	-53	-3	17
0 NW	300 SW	-16	1	-22	-52	-2	3
0 NW	275 SW	-8	3	-7	-55	-3	-28
0 NW	250 SW	-5	4	10	-53	-7	-60
0 NW	225 SW	-12	2	2	-26	-2	-39
0 NW	200 SW	-11	2	-12	-22	0	-13
0 NW	175 SW	-8	3	-12	-18	0	-7
0 NW	150 SW	-3	6	1	-17	0	-4
0 NW	125 SW	-4	6	12	-16	-4	-4
0 NW	100 SW	-8	3	16	-15	-2	-3
0 NW	75 SW	-11	3	24	-14	-4	-1
0 NW	50 SW	-17	6	33	-14	-2	1
0 NW	25 SW	-26	2	35	-14	-3	-5
0 NW	0 SW	-35	0	30	-15	-4	-21
0 NW	25 NE	-43	-2	19	-8	0	-29
0 NW	50 NE	-48	-4	12	0	5	-18
0 NW	75 NE	-49	-9	9	6	10	-1
0 NW	100 NE	-54	-8	-3	4	9	5
0 NW	125 NE	-52	-6	-16	3	9	5
0 NW	150 NE	-48	-7	-18	2	6	5
0 NW	175 NE	-42	-4	-7	0	6	1
0 NW	200 NE	-40	-3	0	0	7	-6
0 NW	225 NE	-43	-4	4	1	8	-15
0 NW	250 NE	-39	-5	11	5	8	-15
0 NW	275 NE	-48	-9	-1	11	8	-2
0 NW	300 NE	-45	-10	-14	10	8	7
0 NW	325 NE	-41	-11	-22	8	5	8
0 NW	350 NE	-38	-11	-23	6	5	5
0 NW	375 NE	-26	-3	-7	4	5	-1
0 NW	400 NE	-30	-6	4	5	3	2
0 NW	425 NE	-27	0	12	6	11	17
0 NW	450 NE	-33	3	18	1	13	30
0 NW	475 NE	-36	6	17	-7	12	36
0 NW	500 NE	-42	6	16	-16	12	41
0 NW	525 NE	-44	8	20	-26	7	43
0 NW	550 NE	-50	9	11	-38	0	34
0 NW	575 NE	-56	6	-11	-47	-5	16
0 NW	600 NE	-49	4	-16	-51	-7	0
0 NW	625 NE	-46	8	-9	-50	-6	-7
0 NW	650 NE	-43	9	-4	-48	-7	-9
0 NW	675 NE	-43	5	-6	-46	-4	-9

LINE	STATION	FACING:E (SEATTLE) INPHASE	QUAD	FRASER FILTER	FACING: SE (HAWAII) INPHASE	QUAD	FRASER FILTER
0 NW	700 NE	-42	6	-7	-43	1	-8
0 NW	725 NE	-38	3	0	-42	0	-6
0 NW	750 NE	-40	-1	-4	-39	2	-1
0 NW	775 NE	-40	-5		-40	2	
0 NW	800 NE	-34	-3		-40	-2	
100 SE	800 SW	-9	4		-21	3	
100 SE	775 SW	-13	2	12	-20	4	11
100 SE	750 SW	-15	-5	13	-25	-1	11
100 SE	725 SW	-19	-6	13	-27	-1	7
100 SE	700 SW	-22	-7	7	-29	-1	0
100 SE	675 SW	-25	-8	-4	-30	-4	-16
100 SE	650 SW	-23	-6	-5	-26	-2	-17
100 SE	625 SW	-20	-5	14	-17	1	7
100 SE	600 SW	-23	-3	27	-22	-1	20
100 SE	575 SW	-34	-4	17	-28	-3	15
100 SE	550 SW	-36	-4	6	-31	-2	14
100 SE	525 SW	-38	-1	0	-34	-2	15
100 SE	500 SW	-38	-4	-10	-39	-2	7
100 SE	475 SW	-36	-5	-16	-41	-2	-2
100 SE	450 SW	-30	-3	-16	-39	-1	-3
100 SE	425 SW	-28	-3	-15	-39	-2	-3
100 SE	400 SW	-22	-2	-11	-38	-1	-3
100 SE	375 SW	-21	-1	-10	-37	-2	-1
100 SE	350 SW	-18	0	-11	-37	0	-2
100 SE	325 SW	-15	2	-6	-37	-2	-3
100 SE	300 SW	-13	3	-1	-35	0	6
100 SE	275 SW	-14	3	-4	-36	0	14
100 SE	250 SW	-13	3	-8	-42	0	10
100 SE	225 SW	-10	4	4	-43	-1	4
100 SE	200 SW	-9	6	18	-45	-1	2
100 SE	175 SW	-18	4	11	-44	0	4
100 SE	150 SW	-19	4	-4	-46	-2	2
100 SE	125 SW	-19	4	-11	-47	-6	-9
100 SE	100 SW	-14	4	-13	-45	-3	-15
100 SE	75 SW	-13	3	-14	-39	-3	-15
100 SE	50 SW	-7	6	0	-38	-6	-28
100 SE	25 SW	-6	7	17	-31	-5	-40
100 SE	0 SW	-14	6	16	-18	-1	-37
100 SE	25 NE	-16	8	15	-11	-1	-35
100 SE	50 NE	-20	10	20	-1	3	-31
100 SE	75 NE	-25	5	22	7	9	-23
100 SE	100 NE	-31	2	13	12	12	-20
100 SE	125 NE	-36	-2	-4	17	14	-19
100 SE	150 NE	-33	-2	-15	22	18	-8
100 SE	175 NE	-30	-1	-14	26	19	9
100 SE	200 NE	-24	3	-2	21	21	14
100 SE	225 NE	-25	2	7	18	17	13
100 SE	250 NE	-27	2	4	15	16	9
100 SE	275 NE	-29	1	1	11	14	5
100 SE	300 NE	-27	0	8	13	14	4
100 SE	325 NE	-30	1	20	8	11	-6
100 SE	350 NE	-34	-2	14	12	14	-6
100 SE	375 NE	-43	-4	-9	15	13	7

LINE	STATION	FACING:E (SEATTLE) INPHASE	QUAD	FRASER FILTER	FACING: SE (HAWAII) INPHASE	QUAD	FRASER FILTER
100 SE	400 NE	-35	0	-8	11	12	14
100 SE	425 NE	-33	0	5	9	12	14
100 SE	450 NE	-37	3	1	3	8	1
100 SE	475 NE	-36	2	11	3	5	-8
100 SE	500 NE	-35	3	23	8	10	3
100 SE	525 NE	-49	-2	1	6	10	14
100 SE	550 NE	-45	0	-14	2	8	26
100 SE	575 NE	-40	3	-8	-2	5	28
100 SE	600 NE	-40	1	-6	-16	4	12
100 SE	625 NE	-37	0	-7	-12	3	8
100 SE	650 NE	-37	-4	-16	-18	-8	9
100 SE	675 NE	-33	-5	-22	-18	-8	5
100 SE	700 NE	-25	-1	-9	-21	-7	5
100 SE	725 NE	-23	2	13	-20	-6	11
100 SE	750 NE	-26	2	24	-24	-4	20
100 SE	775 NE	-35	1		-28	-3	
100 SE	800 NE	-38	1		-36	0	
200 SE	800 SW	-11	-3		-15	-3	
200 SE	775 SW	-13	-3	11	-18	-2	11
200 SE	750 SW	-16	-3	14	-21	0	9
200 SE	725 SW	-19	-2	19	-23	2	8
200 SE	700 SW	-24	-1	21	-25	2	10
200 SE	675 SW	-30	-4	21	-27	4	13
200 SE	650 SW	-34	-4	20	-31	2	9
200 SE	625 SW	-41	-7	4	-34	0	-4
200 SE	600 SW	-43	-6	-17	-33	0	-14
200 SE	575 SW	-36	-2	-18	-28	2	-7
200 SE	550 SW	-31	0	-9	-25	1	5
200 SE	525 SW	-30	0	-8	-29	1	4
200 SE	500 SW	-28	-1	-9	-29	-1	3
200 SE	475 SW	-25	-2	-7	-29	0	7
200 SE	450 SW	-24	-3	-5	-32	0	9
200 SE	425 SW	-22	-4	-4	-33	0	12
200 SE	400 SW	-22	-3	-5	-37	-1	10
200 SE	375 SW	-20	-3	-6	-40	-2	5
200 SE	350 SW	-19	-2	-8	-40	-2	3
200 SE	325 SW	-17	-2	-10	-42	-3	-1
200 SE	300 SW	-14	-1	-4	-41	-1	-1
200 SE	275 SW	-12	0	2	-40	0	2
200 SE	250 SW	-15	-1	-6	-42	-3	0
200 SE	225 SW	-13	-1	-16	-41	-4	-3
200 SE	200 SW	-8	0	-11	-41	-6	-18
200 SE	175 SW	-4	3	-12	-39	-7	-30
200 SE	150 SW	-6	0	-31	-25	-3	-11
200 SE	125 SW	6	6	-33	-25	-4	4
200 SE	100 SW	15	10	-14	-28	-2	-2
200 SE	75 SW	18	9	4	-26	-2	-8
200 SE	50 SW	17	11	20	-25	-1	-13
200 SE	25 SW	12	12	26	-21	0	-15
200 SE	0 SW	3	11	21	-17	0	-14
200 SE	25 NE	0	12	17	-14	-1	-16
200 SE	50 NE	-6	12	13	-10	1	-20
200 SE	75 NE	-8	13	17	-5	1	-23

LINE	STATION	FACING:E (SEATTLE) INPHASE	QUAD	FRASER FILTER	FACING: SE (HAWAII) INPHASE	QUAD	FRASER FILTER
200 SE	100 NE	-11	10	26	1	5	-20
200 SE	125 NE	-20	7	30	7	10	-12
200 SE	150 NE	-25	2	21	9	15	-8
200 SE	175 NE	-36	2	3	11	12	-9
200 SE	200 NE	-30	2	6	13	13	-4
200 SE	225 NE	-34	0	12	16	12	8
200 SE	250 NE	-38	-4	1	12	12	10
200 SE	275 NE	-38	-3	-5	9	10	5
200 SE	300 NE	-35	-2	0	9	12	8
200 SE	325 NE	-36	-2	5	7	11	12
200 SE	350 NE	-37	-3	17	3	8	-1
200 SE	375 NE	-39	-2	20	1	6	-15
200 SE	400 NE	-51	-6	-5	10	12	-15
200 SE	425 NE	-45	-4	-20	9	10	-7
200 SE	450 NE	-40	-3	-14	17	13	10
200 SE	475 NE	-36	-2	-8	9	11	13
200 SE	500 NE	-35	0	-6	7	10	-5
200 SE	525 NE	-33	1	-7	6	6	-23
200 SE	550 NE	-32	0	0	15	10	-16
200 SE	575 NE	-29	1	4	21	11	4
200 SE	600 NE	-36	-2	-6	16	10	10
200 SE	625 NE	-29	-1	-11	16	10	12
200 SE	650 NE	-30	-3	-15	11	7	12
200 SE	675 NE	-24	-2	-15	9	9	12
200 SE	700 NE	-20	4	3	6	9	15
200 SE	725 NE	-19	5	26	2	9	22
200 SE	750 NE	-28	5	27	-2	7	24
200 SE	775 NE	-37	4		-12	7	
200 SE	800 NE	-37	6		-12	9	
300 SE	800 SW	-45	-4		-40	-6	
300 SE	775 SW	-42	-3	-10	-38	-6	-3
300 SE	750 SW	-39	-4	1	-37	-5	1
300 SE	725 SW	-38	-6	3	-38	-6	-2
300 SE	700 SW	-44	-9	-8	-38	-6	-7
300 SE	675 SW	-36	-7	-10	-35	-3	-5
300 SE	650 SW	-38	-8	-5	-34	-2	0
300 SE	625 SW	-32	-6	3	-34	-3	2
300 SE	600 SW	-37	-8	-2	-35	-1	0
300 SE	575 SW	-36	-8	-16	-35	-2	-3
300 SE	550 SW	-31	-5	-20	-34	-1	-4
300 SE	525 SW	-26	-4	-15	-33	-3	-6
300 SE	500 SW	-21	-4	-4	-32	-2	-7
300 SE	475 SW	-21	-5	8	-29	-1	-6
300 SE	450 SW	-22	-6	1	-29	-2	0
300 SE	425 SW	-28	-10	-18	-26	-2	10
300 SE	400 SW	-16	-4	-11	-32	-3	6
300 SE	375 SW	-16	-4	-5	-33	-5	-3
300 SE	350 SW	-17	-6	-21	-31	-3	-5
300 SE	325 SW	-10	-4	-20	-31	-4	-3
300 SE	300 SW	-2	1	3	-28	-3	10
300 SE	275 SW	-5	-1	5	-31	-2	14
300 SE	250 SW	-10	-2	-21	-38	-4	-1
300 SE	225 SW	-2	4	-34	-35	-1	-12

LINE	STATION	FACING:E (SEATTLE) INPHASE	QUAD	FRASER FILTER	FACING: SE (HAWAII) INPHASE	QUAD	FRASER FILTER
300 SE	200 SW	8	11	-25	-33	0	-18
300 SE	175 SW	14	10	-17	-28	1	-24
300 SE	150 SW	17	10	-16	-22	2	-24
300 SE	125 SW	22	13	-14	-15	3	-14
300 SE	100 SW	25	12	-10	-11	4	1
300 SE	75 SW	28	12	3	-12	4	-6
300 SE	50 SW	29	14	29	-15	0	-3
300 SE	25 SW	21	11	39	-14	0	-13
300 SE	0 SW	7	10	21	-10	-2	-10
300 SE	25 NE	4	11	8	-6	1	0
300 SE	50 NE	3	12	12	-8	0	1
300 SE	75 NE	0	12	31	-8	-2	-10
300 SE	100 NE	-5	9	51	-7	0	-16
300 SE	125 NE	-23	0	43	1	0	-6
300 SE	150 NE	-33	-2	23	0	-1	0
300 SE	175 NE	-38	-4	16	0	0	1
300 SE	200 NE	-41	-6	13	1	0	5
300 SE	225 NE	-46	-8	5	-2	-2	2
300 SE	250 NE	-46	-9	2	-2	-2	-2
300 SE	275 NE	-46	-9	3	-1	-3	0
300 SE	300 NE	-48	-10	-1	-1	0	6
300 SE	325 NE	-47	-10	-5	-2	-2	6
300 SE	350 NE	-46	-10	-5	-6	0	1
300 SE	375 NE	-44	-8	-4	-3	0	4
300 SE	400 NE	-44	-7	6	-6	0	5
300 SE	425 NE	-42	-5	20	-7	-1	-1
300 SE	450 NE	-52	-6	15	-7	-1	-4
300 SE	475 NE	-54	-7	5	-5	2	-2
300 SE	500 NE	-55	-5	-14	-5	4	-1
300 SE	525 NE	-56	-6	-35	-5	3	-2
300 SE	550 NE	-39	-2	-29	-4	4	-2
300 SE	575 NE	-37	0	-19	-4	4	-8
300 SE	600 NE	-29	0	-10	-3	3	-14
300 SE	625 NE	-28	0	-4	3	6	-31
300 SE	650 NE	-28	0	-8	4	2	-48
300 SE	675 NE	-25	-3	-11	27	10	-19
300 SE	700 NE	-23	-3	-7	28	11	13
300 SE	725 NE	-19	2	11	22	8	17
300 SE	750 NE	-22	4	25	20	8	21
300 SE	775 NE	-31	2		13	10	
300 SE	800 NE	-35	4		8	10	
400 SE	800 SW	-31	2		-12	-4	
400 SE	775 SW	-39	-1	30	-24	-10	40
400 SE	750 SW	-49	-5	6	-36	-12	21
400 SE	725 SW	-51	-7	-15	-40	-12	7
400 SE	700 SW	-43	-5	-13	-41	-11	1
400 SE	675 SW	-42	-5	-11	-42	-10	-4
400 SE	650 SW	-39	-5	-11	-40	-7	-5
400 SE	625 SW	-35	-3	-1	-39	-6	-8
400 SE	600 SW	-35	-4	5	-38	-4	-13
400 SE	575 SW	-38	-6	4	-33	0	-9
400 SE	550 SW	-37	-4	0	-31	3	7
400 SE	525 SW	-40	-7	-11	-31	4	15

LINE	STATION	FACING:E (SEATTLE) INPHASE	QUAD	FRASER FILTER	FACING: SE (HAWAII) INPHASE	QUAD	FRASER FILTER
400 SE	500 SW	-35	-4	-18	-40	-3	4
400 SE	475 SW	-31	-4	-17	-37	0	2
400 SE	450 SW	-26	-4	-17	-38	0	4
400 SE	425 SW	-23	-4	-18	-41	0	-5
400 SE	400 SW	-17	0	-14	-38	2	-3
400 SE	375 SW	-14	0	-16	-36	1	4
400 SE	350 SW	-12	-1	-20	-40	-2	-2
400 SE	325 SW	-3	4	-12	-38	-1	-10
400 SE	300 SW	-3	5	-6	-36	0	-10
400 SE	275 SW	0	8	-8	-32	1	-4
400 SE	250 SW	0	8	-11	-32	2	0
400 SE	225 SW	5	10	-8	-32	2	-2
400 SE	200 SW	6	9	-7	-32	2	-4
400 SE	175 SW	7	8	-12	-30	5	0
400 SE	150 SW	11	8	-15	-30	3	6
400 SE	125 SW	14	10	-15	-32	2	6
400 SE	100 SW	19	10	-8	-34	0	-1
400 SE	75 SW	21	12	2	-34	-2	-14
400 SE	50 SW	20	11	9	-31	0	-26
400 SE	25 SW	18	12	15	-23	1	-25
400 SE	0 NE	14	12	15	-16	0	-15
400 SE	25 NE	9	11	14	-13	1	-14
400 SE	50 NE	8	11	19	-11	3	-15
400 SE	75 NE	1	9	33	-4	4	-8
400 SE	100 NE	-3	8	53	-5	3	-5
400 SE	125 NE	-21	-1	49	-2	6	-7
400 SE	150 NE	-34	-4	32	-2	6	-5
400 SE	175 NE	-39	-6	23	2	7	-4
400 SE	200 NE	-48	-9	19	-1	10	-5
400 SE	225 NE	-48	-8	21	5	7	0
400 SE	250 NE	-58	-10	12	1	6	3
400 SE	275 NE	-59	-9	-2	3	6	7
400 SE	300 NE	-59	-9	-7	0	4	13
400 SE	325 NE	-56	-8	-4	-3	2	12
400 SE	350 NE	-55	-9	5	-7	0	7
400 SE	375 NE	-56	-6	11	-8	3	8
400 SE	400 NE	-60	-7	4	-9	0	13
400 SE	425 NE	-62	-7	-6	-14	-3	6
400 SE	450 NE	-58	-8	-5	-16	-4	-4
400 SE	475 NE	-58	-9	-2	-13	-4	-2
400 SE	500 NE	-57	-9	-9	-13	-7	10
400 SE	525 NE	-57	-7	-18	-14	-7	16
400 SE	550 NE	-49	-6	-12	-22	-9	8
400 SE	575 NE	-47	-6	-3	-21	-8	7
400 SE	600 NE	-47	-7	-5	-23	-9	10
400 SE	625 NE	-46	-8	-14	-27	-10	0
400 SE	650 NE	-43	-8	-21	-27	-8	-6
400 SE	675 NE	-36	-7	-13	-23	-6	-7
400 SE	700 NE	-32	-7	2	-25	-6	-10
400 SE	725 NE	-34	-5	8	-18	-6	-14
400 SE	750 NE	-36	-4	14	-20	-10	-29
400 SE	775 NE	-38	-3		-9	-5	
400 SE	800 NE	-46	-2		0	-3	

LINE	STATION	FACING:E (SEATTLE) INPHASE	QUAD	FRASER FILTER	FACING: SE (HAWAII) INPHASE	QUAD	FRASER FILTER
500 SE	800 SW	-37	1		-17	-7	
500 SE	775 SW	-40	2	-11	-18	-6	-2
500 SE	750 SW	-35	3	-15	-17	-6	-7
500 SE	725 SW	-31	3	-14	-16	-6	-8
500 SE	700 SW	-29	2	-14	-12	-3	-1
500 SE	675 SW	-23	3	-6	-13	0	10
500 SE	650 SW	-23	2	4	-14	3	22
500 SE	625 SW	-23	1	9	-21	2	22
500 SE	600 SW	-27	-2	8	-28	-2	12
500 SE	575 SW	-28	-4	2	-29	-2	7
500 SE	550 SW	-30	-6	10	-32	0	-5
500 SE	525 SW	-27	-4	7	-32	-1	-9
500 SE	500 SW	-41	-13	-27	-24	0	6
500 SE	475 SW	-23	-5	-31	-31	-2	4
500 SE	450 SW	-18	-6	-17	-31	-2	-8
500 SE	425 SW	-15	-5	-23	-28	-2	-12
500 SE	400 SW	-9	-3	-26	-26	0	-11
500 SE	375 SW	-1	2	-24	-21	4	-3
500 SE	350 SW	3	5	-23	-22	2	-3
500 SE	325 SW	11	11	-14	-22	2	-9
500 SE	300 SW	14	12	-5	-18	3	-5
500 SE	275 SW	14	14	-8	-17	3	1
500 SE	250 SW	16	11	-7	-18	2	2
500 SE	225 SW	20	12	-1	-18	2	4
500 SE	200 SW	17	7	-3	-19	3	7
500 SE	175 SW	20	10	-4	-21	2	2
500 SE	150 SW	20	8	-8	-23	0	-7
500 SE	125 SW	21	8	-9	-19	1	-5
500 SE	100 SW	27	13	-1	-18	4	2
500 SE	75 SW	23	10	-1	-19	4	3
500 SE	50 SW	26	14	4	-20	3	2
500 SE	25 SW	25	6	22	-20	1	0
500 SE	0 SW	20	7	28	-21	0	-7
500 SE	25 NE	9	12	23	-19	-1	-17
500 SE	50 NE	8	12	40	-15	-2	-27
500 SE	75 NE	-2	6	56	-8	4	-30
500 SE	100 NE	-21	0	41	1	10	-20
500 SE	125 NE	-29	-4	22	6	9	-9
500 SE	150 NE	-35	-6	13	7	10	-8
500 SE	175 NE	-37	-4	15	9	13	-10
500 SE	200 NE	-40	-6	17	12	12	-7
500 SE	225 NE	-47	-8	8	14	12	-3
500 SE	250 NE	-47	-8	4	14	13	0
500 SE	275 NE	-48	-7	-2	15	12	0
500 SE	300 NE	-50	-3	-8	13	12	-3
500 SE	325 NE	-43	-3	1	16	14	4
500 SE	350 NE	-47	0	2	15	14	13
500 SE	375 NE	-47	-2	-5	10	14	6
500 SE	400 NE	-45	-1	-5	8	12	0
500 SE	425 NE	-44	-2	-7	11	14	6
500 SE	450 NE	-43	-1	-12	7	12	7
500 SE	475 NE	-39	-3	-3	6	13	0
500 SE	500 NE	-36	-1	12	5	10	-8
500 SE	525 NE	-43	-2	3	8	10	-6

LINE	STATION	FACING:E (SEATTLE) INPHASE	QUAD	FRASER FILTER	FACING: SE (HAWAII) INPHASE	QUAD	FRASER FILTER
500 SE	550 NE	-44	-4	-14	11	10	4
500 SE	575 NE	-38	-4	-8	8	9	14
500 SE	600 NE	-35	-3	1	7	10	26
500 SE	625 NE	-39	-2	-2	-2	6	26
500 SE	650 NE	-35	0	7	-9	4	26
500 SE	675 NE	-37	-2	15	-12	-1	28
500 SE	700 NE	-44	-4	2	-25	-6	11
500 SE	725 NE	-43	-1	0	-24	-9	-11
500 SE	750 NE	-40	1	36	-24	-18	-36
500 SE	775 NE	-47	2		-14	-16	
500 SE	800 NE	-72	-8		2	-11	
600 SE	800 SW	-37	-1		-12	-6	
600 SE	775 SW	-35	-1	-3	-14	-8	5
600 SE	750 SW	-36	0	-7	-14	-6	10
600 SE	725 SW	-33	1	-7	-17	-6	13
600 SE	700 SW	-31	2	5	-21	-6	8
600 SE	675 SW	-31	3	15	-23	-5	-2
600 SE	650 SW	-38	1	5	-23	-5	-6
600 SE	625 SW	-39	-2	-8	-19	-2	1
600 SE	600 SW	-35	-3	-13	-21	-2	3
600 SE	575 SW	-34	-4	-17	-22	-2	2
600 SE	550 SW	-27	-4	-10	-21	-1	6
600 SE	525 SW	-25	-4	-2	-24	-1	2
600 SE	500 SW	-26	-8	2	-25	0	-3
600 SE	475 SW	-24	-6	1	-22	3	0
600 SE	450 SW	-29	-11	-17	-24	1	7
600 SE	425 SW	-22	-9	-39	-23	1	14
600 SE	400 SW	-14	-5	-46	-30	-1	7
600 SE	375 SW	2	0	-33	-31	0	-4
600 SE	350 SW	8	2	-15	-29	1	-4
600 SE	325 SW	13	3	-8	-28	1	-1
600 SE	300 SW	12	3	-9	-28	-2	-1
600 SE	275 SW	17	4	-6	-28	-1	0
600 SE	250 SW	17	3	-7	-27	-2	7
600 SE	225 SW	18	3	-10	-29	-5	3
600 SE	200 SW	23	4	-1	-33	-6	-12
600 SE	175 SW	22	5	6	-26	-2	-13
600 SE	150 SW	20	6	0	-24	-1	-4
600 SE	125 SW	19	7	-4	-22	1	4
600 SE	100 SW	23	10	1	-24	0	5
600 SE	75 SW	20	10	1	-26	-3	-2
600 SE	50 SW	21	11	6	-25	-1	-5
600 SE	25 SW	21	13	16	-23	0	-2
600 SE	0 SW	14	13	10	-23	0	-1
600 SE	25 NE	12	13	12	-23	-2	-7
600 SE	50 NE	13	16	39	-22	-5	-23
600 SE	75 NE	1	10	54	-17	1	-34
600 SE	100 NE	-15	1	40	-5	4	-24
600 SE	125 NE	-25	-2	23	0	5	-13
600 SE	150 NE	-29	-1	20	2	8	-14
600 SE	175 NE	-34	-5	20	8	11	-14
600 SE	200 NE	-40	-6	12	10	12	-9
600 SE	225 NE	-43	-6	7	12	10	-4

LINE	STATION	FACING:E (SEATTLE) INPHASE	QUAD	FRASER FILTER	FACING: SE (HAWAII) INPHASE	QUAD	FRASER FILTER
600 SE	250 NE	-43	-5	6	13	8	-4
600 SE	275 NE	-47	-5	1	13	9	-5
600 SE	300 NE	-45	-5	-3	16	11	2
600 SE	325 NE	-46	-3	-8	15	11	4
600 SE	350 NE	-43	-2	-3	12	8	-5
600 SE	375 NE	-40	-3	3	15	7	-7
600 SE	400 NE	-46	-5	-7	17	7	-2
600 SE	425 NE	-40	-3	-3	17	9	2
600 SE	450 NE	-39	-4	4	17	10	7
600 SE	475 NE	-44	-5	-10	15	9	9
600 SE	500 NE	-39	-5	-15	12	10	5
600 SE	525 NE	-34	-4	-2	11	7	2
600 SE	550 NE	-34	-4	5	11	8	-5
600 SE	575 NE	-37	-4	-3	10	5	-18
600 SE	600 NE	-36	-5	-9	17	6	-17
600 SE	625 NE	-32	-4	-12	22	8	-10
600 SE	650 NE	-32	-3	-24	22	8	-13
600 SE	675 NE	-24	2	-26	27	8	-9
600 SE	700 NE	-16	4	-16	30	13	-4
600 SE	725 NE	-14	4	-14	28	14	-6
600 SE	750 NE	-10	4	-11	33	14	1
600 SE	775 NE	-6	2		31	13	
600 SE	800 NE	-7	3		29	14	
700 SE	800 SW	-37	-7		-25	0	
700 SE	775 SW	-39	-5	12	-23	-1	-6
700 SE	750 SW	-37	1	35	-21	0	2
700 SE	725 SW	-51	5	27	-21	1	11
700 SE	700 SW	-60	5	0	-25	-2	14
700 SE	675 SW	-55	5	-15	-28	-3	13
700 SE	650 SW	-56	4	-30	-32	-4	4
700 SE	625 SW	-44	2	-26	-34	-6	-10
700 SE	600 SW	-37	1	-12	-30	-4	-11
700 SE	575 SW	-37	-4	-19	-26	-4	-2
700 SE	550 SW	-32	-6	-20	-27	-3	-1
700 SE	525 SW	-23	-5	-7	-27	-4	-5
700 SE	500 SW	-26	-10	-12	-25	-4	-10
700 SE	475 SW	-22	-14	-28	-24	-3	-17
700 SE	450 SW	-15	-10	-41	-18	0	-18
700 SE	425 SW	-5	-4	-46	-14	2	-8
700 SE	400 SW	9	6	-36	-10	3	7
700 SE	375 SW	17	8	-22	-14	1	9
700 SE	350 SW	23	9	-9	-17	1	3
700 SE	325 SW	25	8	3	-16	2	4
700 SE	300 SW	24	6	9	-18	0	5
700 SE	275 SW	21	5	9	-19	0	2
700 SE	250 SW	19	5	1	-20	-2	3
700 SE	225 SW	17	6	-10	-19	1	10
700 SE	200 SW	22	9	-5	-23	0	7
700 SE	175 SW	24	11	7	-26	2	-4
700 SE	150 SW	20	9	9	-23	2	-1
700 SE	125 SW	19	11	1	-22	0	5
700 SE	100 SW	16	10	-5	-26	-2	-1
700 SE	75 SW	22	14	5	-24	-1	-2

LINE	STATION	FACING:E (SEATTLE) INPHASE	QUAD	FRASER FILTER	FACING: SE (HAWAII) INPHASE	QUAD	FRASER FILTER
700 SE	50 SW	18	14	14	-23	-1	3
700 SE	25 SW	15	12	15	-25	-4	2
700 SE	0 NE	11	10	17	-25	-12	-3
700 SE	25 NE	7	10	16	-25	-8	-8
700 SE	50 NE	2	10	15	-22	-6	-13
700 SE	75 NE	0	10	28	-20	-6	-24
700 SE	100 NE	-6	6	38	-14	-2	-29
700 SE	125 NE	-20	-4	28	-4	5	-21
700 SE	150 NE	-24	-4	19	-1	5	-17
700 SE	175 NE	-30	-6	17	4	8	-14
700 SE	200 NE	-33	-7	16	8	8	-7
700 SE	225 NE	-38	-8	10	9	8	-3
700 SE	250 NE	-41	-8	2	10	5	-3
700 SE	275 NE	-40	-7	3	10	6	-6
700 SE	300 NE	-41	-7	4	12	4	-7
700 SE	325 NE	-43	-8	0	14	5	-2
700 SE	350 NE	-42	-8	-1	15	4	2
700 SE	375 NE	-42	-8	-3	13	5	-1
700 SE	400 NE	-42	-6	-2	14	5	-4
700 SE	425 NE	-39	-6	0	15	5	-7
700 SE	450 NE	-43	-8	-11	16	8	-7
700 SE	475 NE	-38	-8	-16	20	8	-4
700 SE	500 NE	-33	-6	-13	18	11	-6
700 SE	525 NE	-32	-3	-17	22	10	-5
700 SE	550 NE	-26	1	-18	22	12	-1
700 SE	575 NE	-22	5	-16	23	14	0
700 SE	600 NE	-18	8	-14	22	14	1
700 SE	625 NE	-14	10	-5	23	14	-3
700 SE	650 NE	-12	10	2	21	14	-8
700 SE	675 NE	-15	8		27	12	
700 SE	700 NE	-13	7		25	13	
800 SE	800 SW	-35	-5		-4	4	
800 SE	775 SW	-36	-9	-12	-8	2	14
800 SE	750 SW	-30	-6	5	-13	0	5
800 SE	725 SW	-29	-2	32	-13	1	-2
800 SE	700 SW	-42	1	21	-13	-4	-2
800 SE	675 SW	-49	4	-5	-11	-2	4
800 SE	650 SW	-43	5	-9	-13	-1	12
800 SE	625 SW	-43	2	-14	-15	0	18
800 SE	600 SW	-40	0	-19	-21	-1	16
800 SE	575 SW	-32	-4	-13	-25	-4	8
800 SE	550 SW	-32	-7	-9	-27	-3	3
800 SE	525 SW	-27	-7	-8	-27	-2	2
800 SE	500 SW	-28	-10	-12	-28	-1	1
800 SE	475 SW	-23	-10	-15	-28	-1	3
800 SE	450 SW	-20	-8	-18	-28	-1	6
800 SE	425 SW	-16	-7	-23	-31	-1	7
800 SE	400 SW	-9	-2	-21	-31	-1	15
800 SE	375 SW	-4	-2	-21	-35	-1	8
800 SE	350 SW	0	-6	-30	-42	-2	-23
800 SE	325 SW	8	2	-35	-32	2	-31
800 SE	300 SW	18	7	-17	-22	5	-15
800 SE	275 SW	25	10	6	-21	6	-8

LINE	STATION	FACING:E (SEATTLE) INPHASE	QUAD	FRASER FILTER	FACING: SE (HAWAII) INPHASE	QUAD	FRASER FILTER
800 SE	250 SW	18	5	4	-18	5	-3
800 SE	225 SW	19	6	-1	-17	4	4
800 SE	200 SW	20	6	2	-19	4	7
800 SE	175 SW	18	5	1	-20	1	7
800 SE	150 SW	19	6	-2	-23	0	4
800 SE	125 SW	18	5	-2	-23	-1	2
800 SE	100 SW	21	7	5	-24	-1	1
800 SE	75 SW	18	6	8	-24	0	3
800 SE	50 SW	16	8	8	-24	-3	6
800 SE	25 SW	15	8	11	-27	-7	-3
800 SE	0 SW	11	11	12	-27	-8	-15
800 SE	25 NE	9	12	11	-21	-6	-13
800 SE	50 NE	5	11	12	-18	-6	-7
800 SE	75 NE	4	9	18	-17	-7	-10
800 SE	100 NE	-2	8	23	-15	-6	-17
800 SE	125 NE	-7	6	27	-10	-1	-20
800 SE	150 NE	-14	2	27	-5	2	-17
800 SE	175 NE	-22	-3	22	0	5	-13
800 SE	200 NE	-26	-4	23	2	8	-14
800 SE	225 NE	-32	-7	18	6	10	-15
800 SE	250 NE	-39	-10	4	10	9	-11
800 SE	275 NE	-37	-8	5	13	8	-4
800 SE	300 NE	-38	-7	6	14	8	1
800 SE	325 NE	-43	-7	-1	13	10	0
800 SE	350 NE	-38	-6	-5	13	9	-2
800 SE	375 NE	-42	-7	-16	14	11	-3
800 SE	400 NE	-34	-3	-15	14	7	-3
800 SE	425 NE	-30	-1	-2	16	8	-3
800 SE	450 NE	-31	-3	1	15	9	-6
800 SE	475 NE	-31	-1	-5	18	10	-4
800 SE	500 NE	-31	-1	-12	19	10	1
800 SE	525 NE	-26	1	-10	18	10	2
800 SE	550 NE	-24	4	-5	18	11	2
800 SE	575 NE	-23	8	-3	17	11	6
800 SE	600 NE	-22	8	-1	17	10	11
800 SE	625 NE	-22	8	0	12	12	5
800 SE	650 NE	-22	7	0	11	9	3
800 SE	675 NE	-22	5		13	10	
800 SE	700 NE	-22	4		7	9	
900 SE	800 SW	-36	-11		-3	-3	
900 SE	775 SW	-31	-8	-8	-5	-3	6
900 SE	750 SW	-28	-5	3	-6	-1	10
900 SE	725 SW	-31	-4	9	-8	1	11
900 SE	700 SW	-31	0	29	-13	-2	8
900 SE	675 SW	-37	1	39	-12	-3	11
900 SE	650 SW	-54	0	25	-17	-2	16
900 SE	625 SW	-53	2	13	-19	0	20
900 SE	600 SW	-63	0	-12	-26	1	17
900 SE	575 SW	-57	0	-25	-30	1	9
900 SE	550 SW	-47	1	-17	-32	3	9
900 SE	525 SW	-48	0	-20	-33	3	12
900 SE	500 SW	-39	0	-19	-38	5	10

LINE	STATION	FACING:E (SEATTLE) INPHASE	QUAD	FRASER FILTER	FACING: SE (HAWAII) INPHASE	QUAD	FRASER FILTER
900 SE	475 SW	-36	0	-23	-39	4	5
900 SE	450 SW	-32	0	-36	-42	5	-3
900 SE	425 SW	-20	3	-39	-40	2	-16
900 SE	400 SW	-12	-2	-34	-38	0	-25
900 SE	375 SW	-1	3	-24	-28	4	-17
900 SE	350 SW	3	5	-22	-25	7	-4
900 SE	325 SW	8	7	-22	-24	7	5
900 SE	300 SW	16	8	-7	-25	6	15
900 SE	275 SW	17	6	6	-29	6	22
900 SE	250 SW	14	3	5	-35	4	22
900 SE	225 SW	13	2	-2	-41	1	8
900 SE	200 SW	13	0	-8	-45	-3	-17
900 SE	175 SW	16	2	-6	-39	-1	-24
900 SE	150 SW	18	4	0	-30	2	-12
900 SE	125 SW	17	4	3	-30	-1	-5
900 SE	100 SW	17	5	4	-27	-2	-1
900 SE	75 SW	15	6	4	-28	-3	0
900 SE	50 SW	15	2	4	-28	-2	-3
900 SE	25 SW	13	8	5	-27	-2	-3
900 SE	0 SW	13	10	5	-26	-5	-2
900 SE	25 NE	10	10	6	-26	-6	-5
900 SE	50 NE	11	12	13	-25	-8	-17
900 SE	75 NE	6	11	19	-22	-8	-21
900 SE	100 NE	2	10	21	-12	-7	-10
900 SE	125 NE	-4	7	23	-14	-4	-11
900 SE	150 NE	-9	4	24	-10	-4	-16
900 SE	175 NE	-16	0	22	-5	0	-14
900 SE	200 NE	-21	-2	18	-3	2	-15
900 SE	225 NE	-26	-5	13	2	6	-12
900 SE	250 NE	-29	-6	10	5	6	-6
900 SE	275 NE	-31	-6	12	6	6	-4
900 SE	300 NE	-34	-6	11	7	6	-4
900 SE	325 NE	-38	-7	5	8	6	-4
900 SE	350 NE	-38	-6	0	9	6	-2
900 SE	375 NE	-39	-6	-4	10	6	3
900 SE	400 NE	-37	-6	-9	9	6	6
900 SE	425 NE	-36	-5	-11	7	5	2
900 SE	450 NE	-31	-2	-3	6	4	-3
900 SE	475 NE	-31	-2		8	6	
900 SE	500 NE	-33	-3		8	6	
1000 SE	800 SW	-42	-1		-2	8	
1000 SE	775 SW	-44	-1	-6	-3	5	-2
1000 SE	750 SW	-44	1	-5	1	8	9
1000 SE	725 SW	-36	5	8	-4	7	16
1000 SE	700 SW	-47	1	-2	-7	6	12
1000 SE	675 SW	-41	1	-2	-12	5	-3
1000 SE	650 SW	-40	2	10	-11	1	-13
1000 SE	625 SW	-46	2	0	-5	3	-4
1000 SE	600 SW	-45	4	-8	-5	2	10
1000 SE	575 SW	-41	2	-12	-7	1	18
1000 SE	550 SW	-42	0	-26	-13	1	17
1000 SE	525 SW	-32	-2	-32	-17	0	14
1000 SE	500 SW	-25	-2	-27	-20	2	13

LINE	STATION	FACING:E (SEATTLE) INPHASE	QUAD	FRASER FILTER	FACING: SE (HAWAII) INPHASE	QUAD	FRASER FILTER
1000 SE	475 SW	-17	-2	-26	-24	1	5
1000 SE	450 SW	-13	-1	-29	-26	2	1
1000 SE	425 SW	-3	2	-19	-23	3	10
1000 SE	400 SW	2	3	-8	-28	2	8
1000 SE	375 SW	1	1	-4	-31	4	1
1000 SE	350 SW	6	2	2	-28	4	6
1000 SE	325 SW	1	0	-1	-32	2	7
1000 SE	300 SW	4	1	-2	-33	3	7
1000 SE	275 SW	4	1	0	-34	4	8
1000 SE	250 SW	3	1	-3	-38	3	6
1000 SE	225 SW	5	3	-1	-37	4	9
1000 SE	200 SW	5	4	-3	-41	5	12
1000 SE	175 SW	4	4	-4	-43	2	9
1000 SE	150 SW	9	5	4	-47	3	10
1000 SE	125 SW	4	2	0	-46	0	9
1000 SE	100 SW	5	2	-12	-54	-3	-11
1000 SE	75 SW	8	4	-15	-48	-2	-25
1000 SE	50 SW	13	8	-8	-41	-2	-21
1000 SE	25 SW	15	10	1	-36	0	-14
1000 SE	0 SW	14	9	6	-32	-4	-9
1000 SE	25 NE	13	9	12	-31	-3	-7
1000 SE	50 NE	10	9	16	-28	-4	-5
1000 SE	75 NE	5	7	14	-28	-5	-9
1000 SE	100 NE	2	8	17	-26	-8	-20
1000 SE	125 NE	-1	7	26	-21	-7	-23
1000 SE	150 NE	-9	4	30	-13	-3	-16
1000 SE	175 NE	-16	0	30	-11	-1	-13
1000 SE	200 NE	-24	-4	27	-7	-1	-11
1000 SE	225 NE	-31	-7	17	-4	-2	-6
1000 SE	250 NE	-36	-10	7	-3	-1	-6
1000 SE	275 NE	-36	-8	6	-2	0	-6
1000 SE	300 NE	-38	-9	8	1	2	-4
1000 SE	325 NE	-40	-9	6	0	2	-7
1000 SE	350 NE	-42	-9	1	3	2	-5
1000 SE	375 NE	-42	-11	1	5	2	1
1000 SE	400 NE	-41	-7	5	3	1	2
1000 SE	425 NE	-44	-8	5	4	2	4
1000 SE	450 NE	-44	-9	5	2	3	7
1000 SE	475 NE	-46	-9		1	0	
1000 SE	500 NE	-47	-9		-2	-2	
1100 SE	800 SW	-45	-6		2	10	
1100 SE	775 SW	-47	-5	7	-3	5	15
1100 SE	750 SW	-48	-6	-2	-8	2	9
1100 SE	725 SW	-51	-7	-14	-8	3	5
1100 SE	700 SW	-42	-3	-9	-12	2	-1
1100 SE	675 SW	-43	-3	-9	-9	3	0
1100 SE	650 SW	-41	-2	-15	-10	3	1
1100 SE	625 SW	-35	-1	0	-11	0	-9
1100 SE	600 SW	-34	-1	12	-9	0	-16
1100 SE	575 SW	-42	-5	-18	-3	-2	-13
1100 SE	550 SW	-39	-4	-58	-1	-1	-13
1100 SE	525 SW	-19	-3	-49	2	-1	-8
1100 SE	500 SW	-4	1	-24	7	1	7

LINE	STATION	FACING:E (SEATTLE) INPHASE	QUAD	FRASER FILTER	FACING: SE (HAWAII) INPHASE	QUAD	FRASER FILTER
1100 SE	475 SW	-5	-4	-22	2	2	16
1100 SE	450 SW	6	-1	-14	0	1	21
1100 SE	425 SW	7	-2	-13	-7	0	20
1100 SE	400 SW	8	-1	-21	-12	0	14
1100 SE	375 SW	18	2	-6	-15	1	13
1100 SE	350 SW	18	4	10	-18	4	14
1100 SE	325 SW	14	3	6	-22	2	10
1100 SE	300 SW	12	3	-3	-25	1	4
1100 SE	275 SW	14	5	-1	-25	4	3
1100 SE	250 SW	15	6	3	-26	4	4
1100 SE	225 SW	12	4	-2	-27	3	5
1100 SE	200 SW	14	4	-8	-28	2	7
1100 SE	175 SW	15	5	-7	-30	3	5
1100 SE	150 SW	19	6	4	-32	2	1
1100 SE	125 SW	17	6	10	-31	4	3
1100 SE	100 SW	13	5	3	-32	2	9
1100 SE	75 SW	13	6	-2	-34	2	12
1100 SE	50 SW	14	6	8	-38	-2	11
1100 SE	25 SW	14	6	23	-40	1	7
1100 SE	0 SW	5	2	20	-43	-2	2
1100 SE	25 NE	0	2	12	-42	-4	1
1100 SE	50 NE	-1	2	12	-43	-7	0
1100 SE	75 NE	-6	0	8	-43	-10	-10
1100 SE	100 NE	-7	1	5	-42	-10	-22
1100 SE	125 NE	-8	1	11	-34	-10	-25
1100 SE	150 NE	-10	2	18	-29	-9	-22
1100 SE	175 NE	-16	1	21	-22	-8	-27
1100 SE	200 NE	-20	-1	24	-19	-5	-36
1100 SE	225 NE	-27	-3	22	-5	2	-27
1100 SE	250 NE	-33	-5	12	0	4	-10
1100 SE	275 NE	-36	-6	4	3	4	-2
1100 SE	300 NE	-36	-6	3	2	3	-3
1100 SE	325 NE	-37	-6	4	3	3	-5
1100 SE	350 NE	-38	-8	5	5	5	-5
1100 SE	375 NE	-39	-8		5	3	
1100 SE	400 NE	-41	-9		8	4	
1200 SE	800 SW	-38	-5		12	5	
1200 SE	775 SW	-42	-3	19	4	3	28
1200 SE	750 SW	-52	-4	6	-3	2	20
1200 SE	725 SW	-47	-4	4	-9	1	13
1200 SE	700 SW	-53	-3	14	-10	4	6
1200 SE	675 SW	-50	-4	33	-15	1	-2
1200 SE	650 SW	-64	-6	8	-10	3	6
1200 SE	625 SW	-72	-7	-35	-13	4	17
1200 SE	600 SW	-50	-4	-20	-18	1	8
1200 SE	575 SW	-51	-9	-16	-22	-4	-3
1200 SE	550 SW	-51	-10	-30	-17	-3	-1
1200 SE	525 SW	-34	-6	-21	-20	-3	1
1200 SE	500 SW	-38	-10	-25	-18	-1	6
1200 SE	475 SW	-26	-6	-27	-20	0	15
1200 SE	450 SW	-21	-6	-24	-24	-2	14
1200 SE	425 SW	-16	-5	-26	-29	-3	3
1200 SE	400 SW	-7	-2	-21	-29	-1	-3

LINE	STATION	FACING:E (SEATTLE) INPHASE	QUAD	FRASER FILTER	FACING: SE (HAWAII) INPHASE	QUAD	FRASER FILTER
1200 SE	375 SW	-4	-1	-17	-27	-1	-2
1200 SE	350 SW	2	0	-12	-28	-1	-2
1200 SE	325 SW	4	1	-4	-26	3	2
1200 SE	300 SW	6	1	2	-27	2	8
1200 SE	275 SW	4	-3	-2	-29	-2	8
1200 SE	250 SW	4	-2	-11	-32	0	4
1200 SE	225 SW	8	1	-11	-32	1	4
1200 SE	200 SW	11	2	-5	-33	1	7
1200 SE	175 SW	12	2	3	-35	2	6
1200 SE	150 SW	12	0	12	-37	5	3
1200 SE	125 SW	8	-1	15	-37	1	2
1200 SE	100 SW	4	-2	10	-38	0	4
1200 SE	75 SW	1	-3	3	-38	-3	8
1200 SE	50 SW	1	-3	-4	-41	-4	7
1200 SE	25 SW	1	-2	-7	-43	-4	3
1200 SE	0 SW	5	2	2	-43	-5	3
1200 SE	25 NE	4	2	11	-44	-6	0
1200 SE	50 NE	0	0	8	-45	-6	-4
1200 SE	75 NE	-2	0	5	-42	-6	3
1200 SE	100 NE	-2	0	8	-43	-9	3
1200 SE	125 NE	-5	2	11	-47	-10	-12
1200 SE	150 NE	-7	2	11	-41	-11	-15
1200 SE	175 NE	-11	1	7	-37	-10	-15
1200 SE	200 NE	-12	2	5	-36	-11	-25
1200 SE	225 NE	-13	2	9	-27	-8	-28
1200 SE	250 NE	-15	2	14	-21	-6	-28
1200 SE	275 NE	-19	-2	13	-14	-2	-28
1200 SE	300 NE	-23	-4	7	-6	2	-27
1200 SE	325 NE	-24	-5	5	-1	4	-27
1200 SE	350 NE	-25	-5	5	8	5	-19
1200 SE	375 NE	-27	-6		12	8	
1200 SE	400 NE	-27	-6		14	7	
1300 SE	800 SW	-26	4		6	6	
1300 SE	775 SW	-31	5	31	6	7	4
1300 SE	750 SW	-45	0	11	4	7	7
1300 SE	725 SW	-43	3	1	4	8	16
1300 SE	700 SW	-44	2	5	-1	3	20
1300 SE	675 SW	-45	0	6	-7	5	13
1300 SE	650 SW	-47	1	0	-10	6	4
1300 SE	625 SW	-48	0	-9	-11	5	-3
1300 SE	600 SW	-44	1	-13	-10	6	-3
1300 SE	575 SW	-42	0	-18	-8	8	5
1300 SE	550 SW	-37	0	-15	-10	5	7
1300 SE	525 SW	-31	-2	-8	-13	3	0
1300 SE	500 SW	-33	-6	-14	-12	0	-6
1300 SE	475 SW	-27	-6	-18	-11	1	8
1300 SE	450 SW	-23	-4	-21	-8	1	26
1300 SE	425 SW	-19	-3	-26	-23	-1	19
1300 SE	400 SW	-10	0	-17	-22	1	14
1300 SE	375 SW	-6	0	-5	-28	0	15
1300 SE	350 SW	-6	-1	-3	-31	-1	7
1300 SE	325 SW	-5	-2	-3	-34	-1	5
1300 SE	300 SW	-4	-1	-2	-32	-2	11

LINE	STATION	FACING:E (SEATTLE) INPHASE	QUAD	FRASER FILTER	FACING: SE (HAWAII) INPHASE	QUAD	FRASER FILTER
1300 SE	275 SW	-4	-2	-4	-38	-4	5
1300 SE	250 SW	-3	-1	-8	-39	-3	-6
1300 SE	225 SW	-1	-2	-5	-36	0	-2
1300 SE	200 SW	2	0	6	-35	0	10
1300 SE	175 SW	-1	0	8	-38	-1	17
1300 SE	150 SW	-4	-2	-1	-43	-2	16
1300 SE	125 SW	-3	-3	-7	-47	-3	12
1300 SE	100 SW	-1	-4	-2	-50	-3	-2
1300 SE	75 SW	1	-4	4	-52	-4	-19
1300 SE	50 SW	-3	-4	-5	-43	-2	-18
1300 SE	25 SW	-1	-4	-13	-40	-3	-3
1300 SE	0 SW	4	1	-6	-37	0	10
1300 SE	25 NE	5	2	0	-43	1	7
1300 SE	50 NE	4	3	4	-44	-4	-4
1300 SE	75 NE	5	3	9	-43	-5	-7
1300 SE	100 NE	0	0	7	-40	-6	-1
1300 SE	125 NE	0	2	7	-40	-7	-2
1300 SE	150 NE	-2	2	8	-42	-9	-13
1300 SE	175 NE	-5	2	4	-36	-8	-17
1300 SE	200 NE	-5	3	0	-33	-8	-15
1300 SE	225 NE	-6	2	0	-28	-8	-13
1300 SE	250 NE	-4	5	7	-26	-10	-15
1300 SE	275 NE	-7	4		-22	-8	
1300 SE	300 NE	-10	3		-17	-4	
1400 SE	800 SW	-56	-5		-13	5	
1400 SE	775 SW	-60	-6	2	-12	4	-13
1400 SE	750 SW	-61	-7	-18	-7	4	-10
1400 SE	725 SW	-57	-4	-28	-5	7	-5
1400 SE	700 SW	-46	0	-20	-4	7	-4
1400 SE	675 SW	-44	1	-13	-3	6	-3
1400 SE	650 SW	-39	0	-9	-2	7	-4
1400 SE	625 SW	-38	0	-7	-2	7	-3
1400 SE	600 SW	-36	0	-10	1	9	6
1400 SE	575 SW	-34	0	-9	-2	8	11
1400 SE	550 SW	-30	-2	-7	-5	6	0
1400 SE	525 SW	-31	-4	-11	-7	4	-10
1400 SE	500 SW	-26	-2	-8	0	8	3
1400 SE	475 SW	-24	-3	-7	-2	5	19
1400 SE	450 SW	-25	-4	-20	-8	2	24
1400 SE	425 SW	-18	-3	-26	-13	0	20
1400 SE	400 SW	-11	-1	-20	-21	-2	10
1400 SE	375 SW	-6	0	-13	-20	-1	9
1400 SE	350 SW	-3	1	-10	-24	-2	10
1400 SE	325 SW	-1	1	-3	-26	-1	10
1400 SE	300 SW	2	2	6	-28	-2	15
1400 SE	275 SW	-3	1	6	-32	-3	12
1400 SE	250 SW	-2	1	5	-37	-4	2
1400 SE	225 SW	-5	0	2	-35	-4	6
1400 SE	200 SW	-5	0	2	-36	-5	13
1400 SE	175 SW	-4	-1	3	-42	-6	9
1400 SE	150 SW	-8	-4	-4	-42	-6	10
1400 SE	125 SW	-4	-5	-9	-45	-7	15
1400 SE	100 SW	-4	-5	-12	-49	-7	14

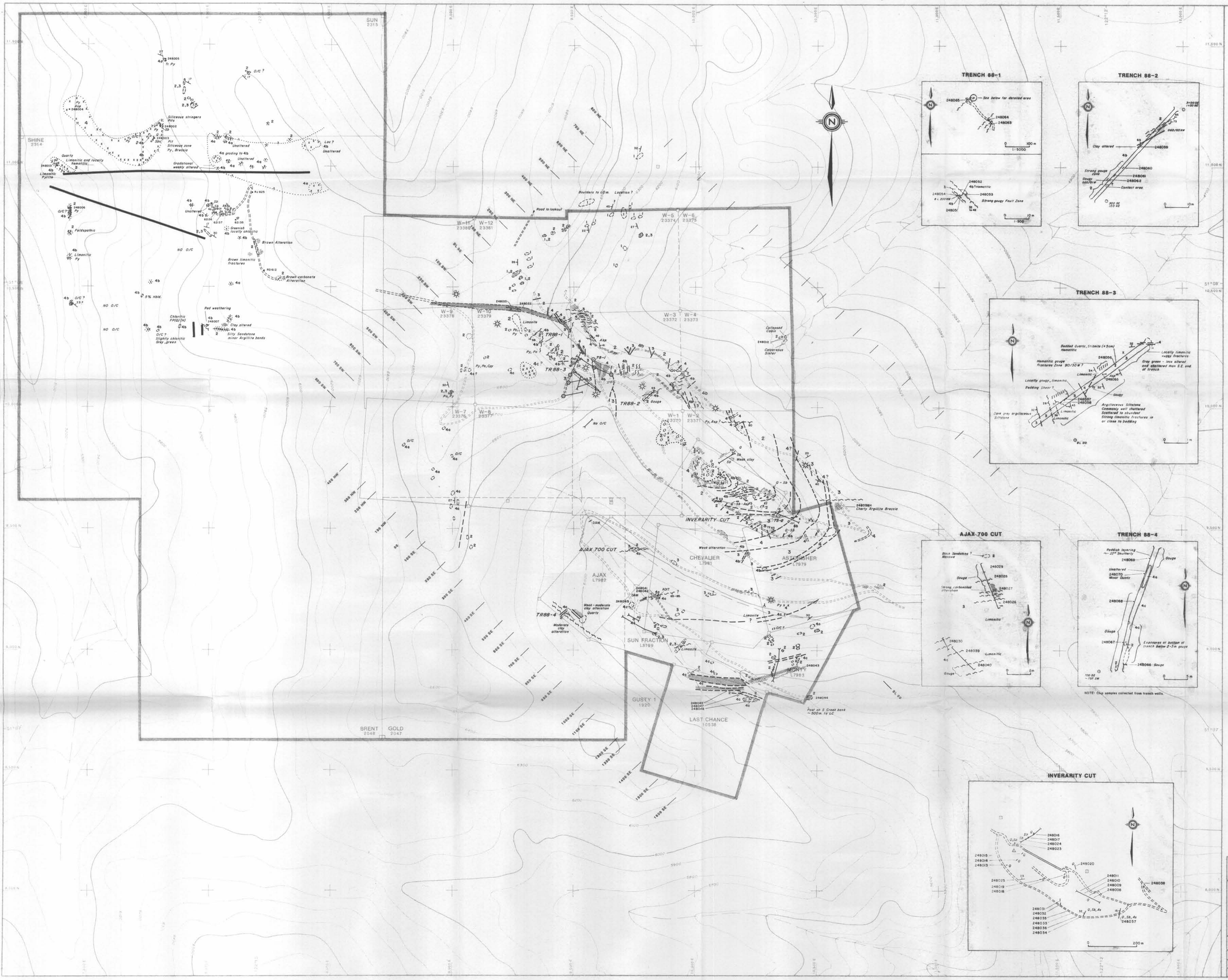
LINE	STATION	FACING:E (SEATTLE) INPHASE	QUAD	FRASER FILTER	FACING: SE (HAWAII) INPHASE	QUAD	FRASER FILTER
1400 SE	75 SW	1	-4	-6	-53	-7	7
1400 SE	50 SW	3	-3	10	-55	-7	-4
1400 SE	25 SW	0	-3	14	-54	-6	-4
1400 SE	0 SW	-6	-6	6	-50	-5	-2
1400 SE	25 NE	-5	-6	4	-55	-9	-11
1400 SE	50 NE	-7	-5	2	-47	-5	-8
1400 SE	75 NE	-8	-6	-3	-47	-5	-1
1400 SE	100 NE	-6	-5	-3	-47	-6	-1
1400 SE	125 NE	-6	-5	-1	-46	-7	-2
1400 SE	150 NE	-5	-3	-3	-47	-10	-5
1400 SE	175 NE	-6	-2	-10	-44	-9	-6
1400 SE	200 NE	-2	0	-9	-44	-10	-10
1400 SE	225 NE	1	1	0	-41	-10	-15
1400 SE	250 NE	0	2	1	-37	-9	-14
1400 SE	275 NE	-1	4		-33	-10	
1400 SE	300 NE	1	6		-31	-10	
1500 SE	800 SW	-29	-4		-5	1	
1500 SE	775 SW	-31	-4	9	-2	4	-11
1500 SE	750 SW	-35	-5	3	1	3	-9
1500 SE	725 SW	-34	-4	0	3	2	-6
1500 SE	700 SW	-35	-4	-1	5	2	-2
1500 SE	675 SW	-34	-4	-4	5	4	0
1500 SE	650 SW	-34	-5	-5	5	3	0
1500 SE	625 SW	-31	-5	-2	5	1	0
1500 SE	600 SW	-32	-6	-6	5	2	2
1500 SE	575 SW	-31	-7	-8	5	3	5
1500 SE	550 SW	-26	-6	-1	3	2	7
1500 SE	525 SW	-29	-7	-2	2	2	10
1500 SE	500 SW	-27	-8	-4	-1	2	12
1500 SE	475 SW	-26	-8	-6	-4	4	10
1500 SE	450 SW	-26	-7	-17	-7	3	6
1500 SE	425 SW	-21	-5	-19	-8	2	11
1500 SE	400 SW	-14	0	-12	-9	3	23
1500 SE	375 SW	-14	-2	-17	-17	1	18
1500 SE	350 SW	-9	-2	-18	-23	0	6
1500 SE	325 SW	-2	1	-7	-21	-1	7
1500 SE	300 SW	-3	2	-6	-25	-1	6
1500 SE	275 SW	-1	1	-6	-26	-4	1
1500 SE	250 SW	2	2	2	-26	-2	2
1500 SE	225 SW	0	0	5	-26	-3	5
1500 SE	200 SW	-1	-1	5	-28	-3	7
1500 SE	175 SW	-2	-2	2	-29	-2	9
1500 SE	150 SW	-4	-2	-6	-32	-5	10
1500 SE	125 SW	-1	-3	-7	-34	-4	13
1500 SE	100 SW	1	-4	2	-37	-2	8
1500 SE	75 SW	1	-4	8	-42	-6	-3
1500 SE	50 SW	-3	-6	3	-37	-3	1
1500 SE	25 SW	-3	-7	-3	-39	-4	6
1500 SE	0 SW	-2	-7	-4	-41	-5	3
1500 SE	25 NE	-1	-5	-2	-41	-4	2
1500 SE	50 NE	0	-7	0	-42	-5	1
1500 SE	75 NE	-1	-7	0	-42	-4	4
1500 SE	100 NE	0	-6	-2	-42	-4	8

LINE	STATION	FACING:E (SEATTLE) INPHASE	QUAD	FRASER FILTER	FACING: SE (HAWAII) INPHASE	QUAD	FRASER FILTER
1500 SE	125 NE	-1	-4	-5	-46	-7	7
1500 SE	150 NE	2	-3	-6	-46	-8	2
1500 SE	175 NE	2	-2	-8	-49	-9	-6
1500 SE	200 NE	5	2	-8	-45	-8	-7
1500 SE	225 NE	7	5	-3	-44	-7	0
1500 SE	250 NE	8	6	5	-43	-6	-4
1500 SE	275 NE	7	6		-46	-8	
1500 SE	300 NE	3	6		-37	-6	
1600 SE	800 SW	-13	-1		0	1	
1600 SE	775 SW	-15	0	16	6	2	-17
1600 SE	750 SW	-18	0	21	13	3	2
1600 SE	725 SW	-26	-4	11	10	1	-1
1600 SE	700 SW	-28	-4	5	7	-1	-22
1600 SE	675 SW	-27	-3	2	17	3	-23
1600 SE	650 SW	-32	-4	-20	22	5	-10
1600 SE	625 SW	-25	-2	-27	25	10	3
1600 SE	600 SW	-14	1	-9	24	11	9
1600 SE	575 SW	-16	3	1	20	11	4
1600 SE	550 SW	-14	6	7	20	12	3
1600 SE	525 SW	-17	4	11	20	14	14
1600 SE	500 SW	-20	3	8	17	12	25
1600 SE	475 SW	-22	4	9	9	10	25
1600 SE	450 SW	-23	0	12	3	7	23
1600 SE	425 SW	-28	-5	8	-2	8	23
1600 SE	400 SW	-29	-5	-8	-9	3	24
1600 SE	375 SW	-30	-5	-28	-13	4	29
1600 SE	350 SW	-19	-2	-25	-22	0	28
1600 SE	325 SW	-12	0	-15	-29	0	18
1600 SE	300 SW	-12	0	-16	-34	-4	9
1600 SE	275 SW	-4	2	-6	-35	-2	8
1600 SE	250 SW	-4	1	0	-37	-5	4
1600 SE	225 SW	-6	-1	-6	-40	-5	-14
1600 SE	200 SW	-2	0	-6	-36	-4	-21
1600 SE	175 SW	-2	0	-3	-27	0	-8
1600 SE	150 SW	0	1	1	-28	-4	0
1600 SE	125 SW	-1	0	3	-27	-2	4
1600 SE	100 SW	-2	0	4	-28	-3	10
1600 SE	75 SW	-2	-3	6	-31	-2	15
1600 SE	50 SW	-5	-4	5	-34	-3	16
1600 SE	25 SW	-5	-6		-40	-6	
1600 SE	0 SW	-7	-6		-41	-7	

SCHEDULE A

WATSON TRENCH DIMENSIONS

Trench #	Length (m)	Width (m)
Tr-1	26	1
Tr-1	30	1
Tr-3	50	1
Tr-4	4	1
Tr-5	5	1
Tr-6	50	1
	Total Area	165 m^2



1988 SAMPLE RESULTS

TRENCH 88-1 SAMPLE RESULTS

SAMPLE	WIDTH (M)	Au ppb	As ppm	Sb ppm
248051	1.30	<5	10	<5
248052	0.95	50	60	<5
248053	1.00	205	25	<5
248054	0.50	65	70	<5
248063	0.75	20	170	<5
248064	0.55	5	100	5
248065	0.50	10	70	5

TRENCH 88-2 SAMPLE RESULTS

SAMPLE	WIDTH (M)	Au ppb	As ppm	Sb ppm
248059	1.50	55	600	35
248060	1.00	<5	120	15
248061	0.90	65	3895	220
248062	1.00	<5	185	25

TRENCH 88-3 SAMPLE RESULTS

SAMPLE	WIDTH (M)	Au ppb	As ppm	Sb ppm
248055	1.50	790	2250	35
248056		100	>10000	>10000
248057	1.40	35	900	160
248058	0.40	20	1705	50

TRENCH 88-4 SAMPLE RESULTS

SAMPLE	WIDTH (M)	Au ppb	As ppm	Sb ppm
248066	1.30	<5	15	<5
248067	1.50	<5	15	<5
248068	0.85	<5	25	5
248069	0.80	<5	15	5
248070	1.00	<5	<5	5

1988 AJAX 700 CUT SAMPLE RESULTS

SAMPLE	WIDTH (M)	Au ppb	As ppm	Sb ppm
248026	0.90	15	45	10
248027	1.30	650	10	<5
248028	1.00	95	15	<5
248029	0.80	70	10	5
248030	0.90	15	15	5
248039	1.60	30	10	5
248040	1.10	90	10	5

1988 INVERARITY CUT SAMPLE RESULTS

SAMPLE	WIDTH (M)	Au ppb	As ppm	Sb ppm
248008		150	1295	3100
248009	0.40	10	600	95
248010	0.80	<5	425	40
248011	0.70	150	485	50
248012		<5	5	10
248013		5	1385	>10000
248014		250	1065	270
248015		10	4450	9400
248016		100	2830	6745
248017		45	1855	>10000
248018		5	5360	>10000
248019		365	7515	>10000
248020		<5	6000	>10000
248023		10	1900	565
248024		<5	>10000	>10000
248025		10	9990	35
248031		10	145	15
248032		6550	170	10
248033		300	2480	>10000
248034	0.40	55	7765	2635
248035		15	1680	130
248036		30	4050	2195
248037		<5	1640	1325
248038		<5	145	30

	SAMPLE	WIDTH (M)	Au ppb	As ppm	Sb ppm
WARREN OPTION	248021		70	1875	50
	248022		30	185	<5
	248041	0.40	10	40	5
	248042	1.10	10	20	5
	248043		<5	115	5
	248044		140	75	<5
	248045		5	<5	<5
	248046		5	10	<5
	248047		<5	45	<5
	248048		10	25	5
LISLE OPTION	248001		200	340	<5
	248002		10	1725	2965
	248003		25	2280	>10000
	248004		5	90	205
	248005		10	75	40
	248006		160	280	20
	248007		<5	15	20
	62135		5	60	15
	62136		15	30	>10000
	62137		5	105	370
	RD612		5	55	45
	RJ825		5	55	10

LEGEND

- 4 a Feldspar Porphyry; b Quartz Feldspar Porphyry; c Granodiorite
- 3 Siltstone – Argillite
- 2 Sandstone
- 1 Conglomerate
- Limonite Alteration
- Argillic Alteration

SYMBOLS

- Diamond Drill Hole
- Percussion Drill Hole
- Trench
- Rock Sample
- Float
- Outcrop
- Geological Contact : known, assumed
- Topographic Lineament
- Fault
- Quartz ± Stibnite
- Bedding Attitude

ABBREVIATIONS

- Asp Arsenopyrite
- Cpy Chalcopyrite
- Po Pyrrhotite
- Py Pyrite
- Q Quartz
- Sb Stibnite
- Tr Trace

0 250 500m

GEOLOGICAL BRANCH ASSESSMENT REPORT

18,352

Chevron Minerals Ltd.

WATSON

GEOLOGY

FIGURE No. 4		PROJECT No. M584	
DATE AUG.1988	REVISION		SCALE 1:5000
NTS No. 92 O/1			FILE No. G-13
COMPILED BY T.E.L.			

SUN 2315

SHINE 2314

BRENT 2048 GOLD 2047

W-11 23380 W-12 23381

W-5 23374 W-6 23375

W-10 23378 W-9 23376

W-2 23372 W-3 23373

W-1 23369 W-4 23371

MONITOR L7980

CHEVALIER L7981

ASTONISHER L7979

ABA L7982

SUN FRACTION L8169

MONTY L7983

GUST L7978

LAST CHANCE L8036

GEOLOGICAL BRANCH
ASSESSMENT REPORT

18,352

LEGEND

CONTOUR INTERVALS :
0 - 60 every 10
0 contour
50 contour
intermediate contour

READINGS TAKEN FACING EAST

NOTE : Fraser Filtered values plotted at stations where readings were taken

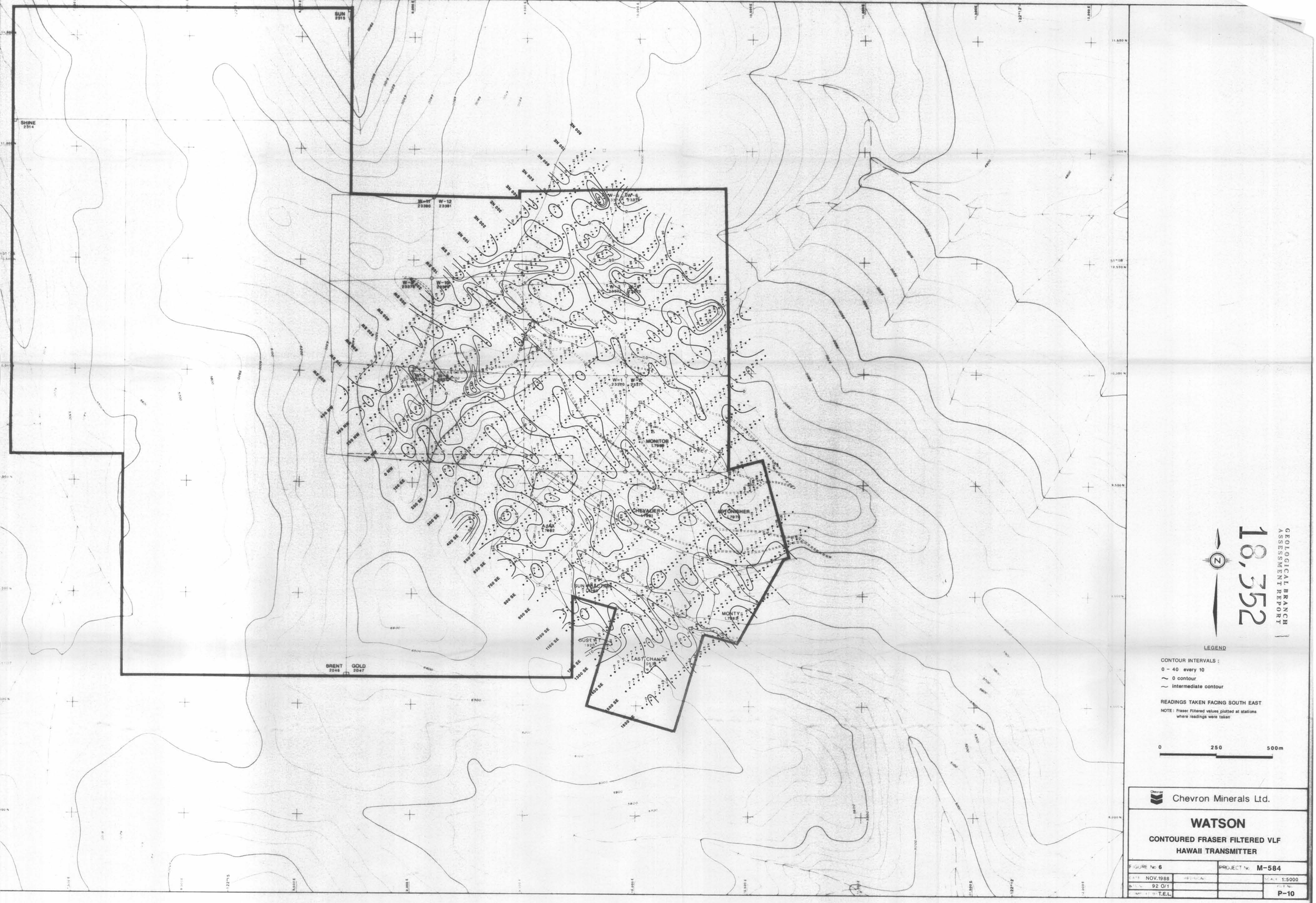
0 250 500m

Chevron Minerals Ltd.

WATSON

CONTOURED FRASER FILTERED VLF SEATTLE TRANSMITTER

FIGURE No. 5		PROJECT No. M-584	
DATE NOV. 1988	REVISIONS		SCALE 1:5000
N.T.S. 92 O/1			FILE No.
COMPILED BY T.E.L.			P-9



GEOLOGICAL BRANCH
ASSESSMENT REPORT

18,352

LEGEND

CONTOUR INTERVALS :
0 - 40 every 10
~ 0 contour
~ intermediate contour

READINGS TAKEN FACING SOUTH EAST

NOTE : Fraser Filtered values plotted at stations where readings were taken

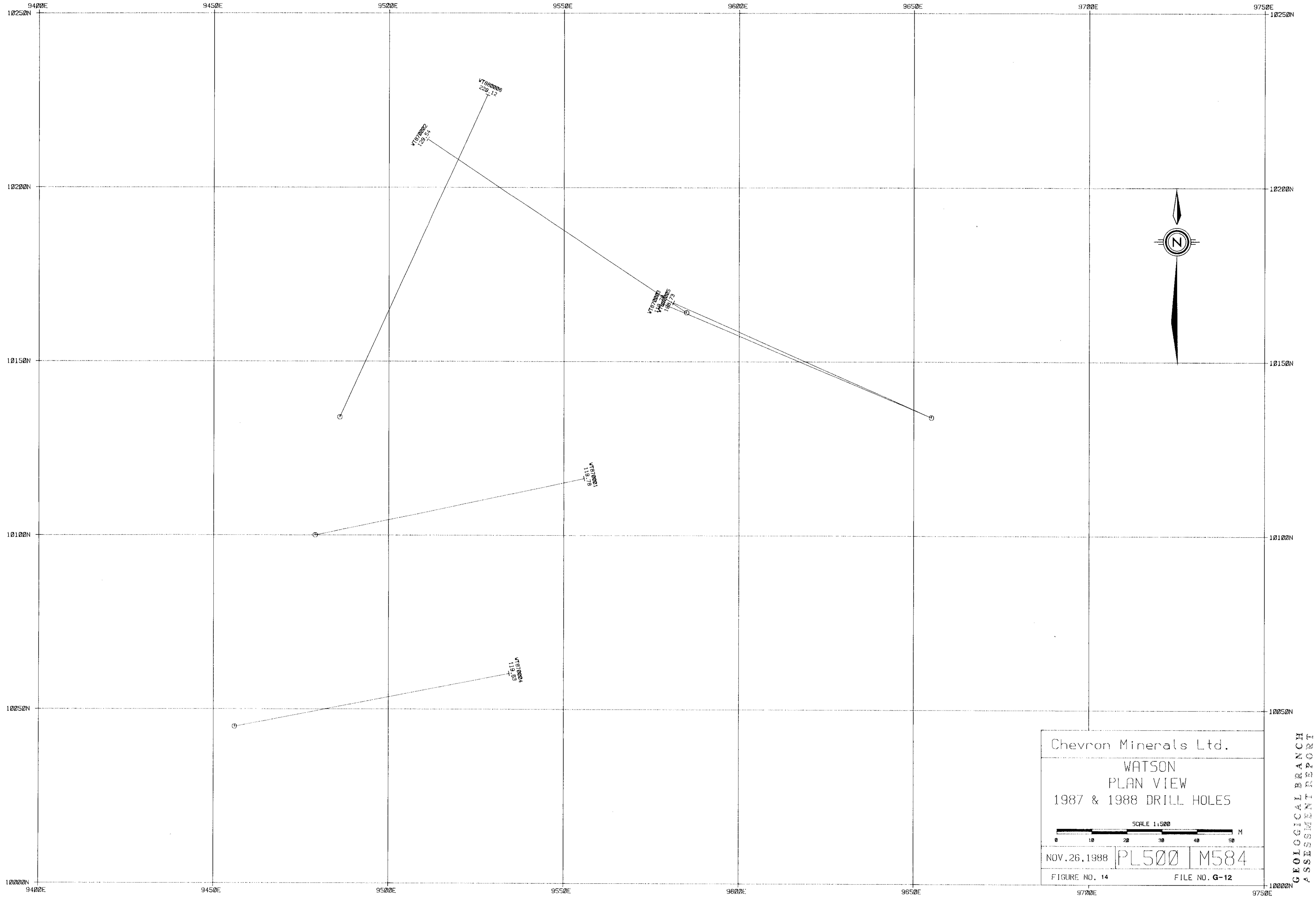
0 250 500m

Chevron Minerals Ltd.

WATSON

CONTOURED FRASER FILTERED VLF HAWAII TRANSMITTER

FIGURE No. 6		PROJECT No. M-584	
DATE NOV.1988	REVISION:		SCALE 1:5000
DWG. No. 92 O/1			FILE No. P-10
COMPILED BY T.E.L.			



GEOLOGICAL BRANCH
ASSESSMENT REPORT

18,352

9450E 10100N 9550E

Elevation (m)

2110 2110

2060 2060

87-1

2010 2010

?

?

1960 1960

1910 1910

1860 1860

9450E 10100N 9550E

LEGEND

TERTIARY

- Feldspar : Quartz Porphyry
- Granodiorite, Porphyritic

CRETACEOUS

- Shale
- Siltstone
- Siltstone with Shale
- Greywacke
- Sandstone
- Conglomerate
- Fault
- Brecciation
- Easting
- Northing

GEOLOGICAL BRANCH
ASSESSMENT REPORT

18,352

Chevron Minerals Ltd.

WATSON
CROSS SECTION
87-1

SCALE 1:600

NOV.24,1988 | CR1 | M584

FIGURE No. 15 | FILE No. G-8

FIGURE No. 16

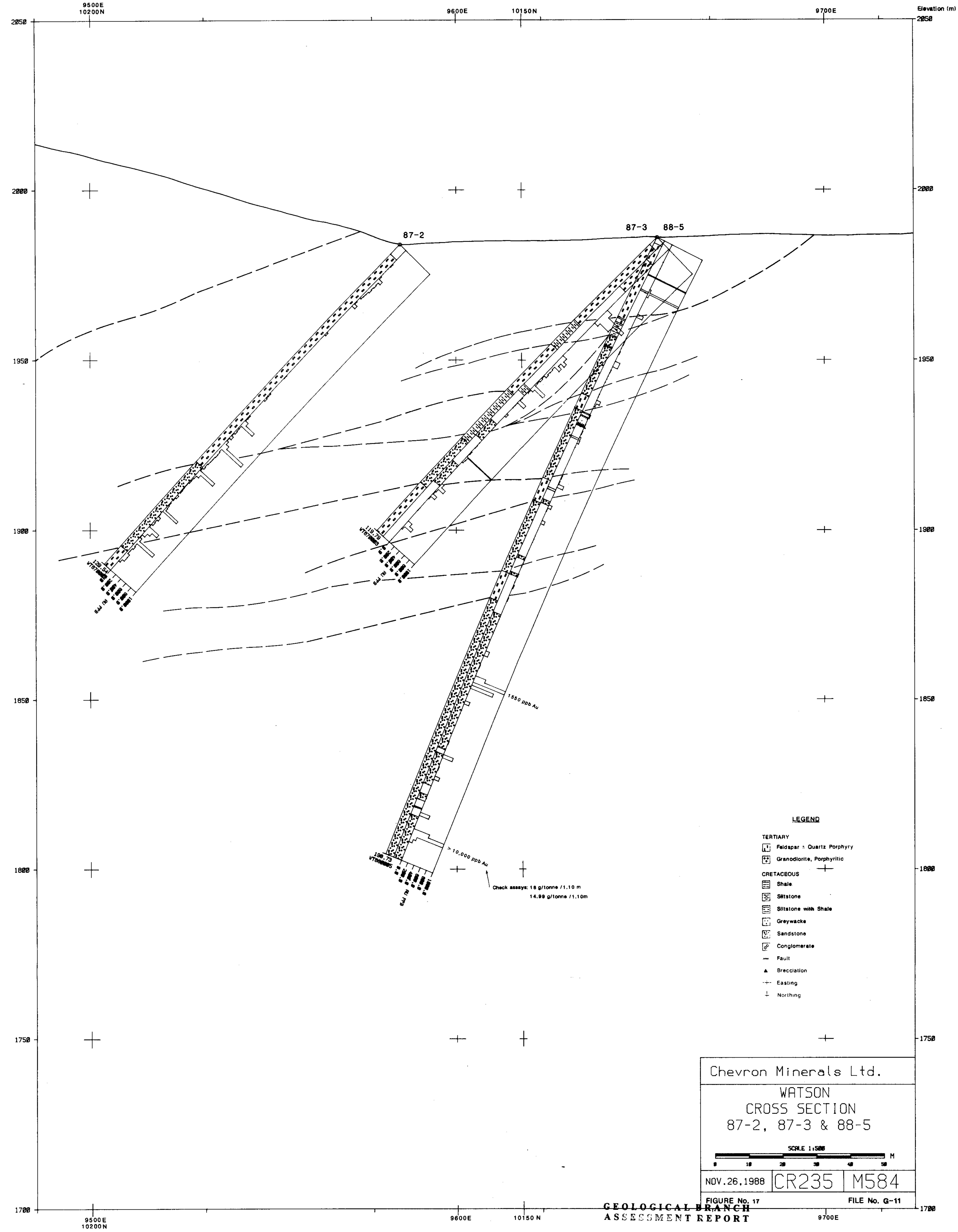
Chevron Minerals Ltd.
WATSON
DRILLHOLE WT870001
PROJECT ID : M584

HOLE / TRAVERSE ID	:WT870001
CORE HOLE SIZE	:NQ
DATE STARTED	:87/10/ 6
DATE COMPLETED	:87/10/11
GEOLOGGED BY	:TEL
PLOT DATE	:88/NOV/28
PROJECT LEADER	:S.MCALLISTER
LOCATION	:STIRRUP CREEK

COLLAR AZIMUTH	:78.00
COLLAR DIP	:-46.00
COLLAR ELEVATION	:2045.00
COLLAR NORTHING	:10100.00
COLLAR EASTING	:9479.00

TOTAL LENGTH :119.78M

SCALE : 1:100



GEOLOGICAL BRANCH
ASSESSMENT REPORT

18,352

FIGURE No.18

Chevron Minerals Ltd.
WATSON
DRILLHOLE WT870002
PROJECT ID : M584

HOLE / TRAVERSE ID	:WT870002	COLLAR AZIMUTH	:305.00
CORE HOLE SIZE	:NQ	COLLAR DIP	:-45.00
DATE STARTED	:87/10/11	COLLAR ELEVATION	:1694.00
DATE COMPLETED	:87/10/15	COLLAR NORTHING	:10164.00
GEOLOGGED BY	:TEL	COLLAR EASTING	:6085.00
PLOT DATE	:86/NOV/29		
PROJECT LEADER	:S.MCALLISTER		
LOCATION	:STRAUP CREEK	TOTAL LENGTH	:129.54M

SCALE : 1:100

GEOLOGICAL BRANCH
ASSESSMENT REPORT

18,352

END OF HOLE @8.84M

END OF HOLE @129.54M

FIGURE No.19

Chevron Minerals Ltd.
WATSON
DRILLHOLE WT870003
PROJECT ID : MS84

HOLE / TRAVERSE ID	:WT870003	COLLAR AZIMUTH	:293.00
CORE HOLE SIZE	:NQ	COLLAR DIP	:-44.00
DATE STARTED	:87/10/15	COLLAR ELEVATION	:1086.00
DATE COMPLETED	:87/10/16	COLLAR NORTHING	:18134.00
GEOLOGGED BY	:TEL	COLLAR EASTING	:9655.00
PLOT DATE	:86/NOV/28		
PROJECT LEADER	:S.MCALLISTER		
LOCATION	:STIRRUP CREEK	TOTAL LENGTH	:119.79 M

SCALE:1:100

18,356

GEOLOGICAL BRANCH
ASSESSMENT REPORT

FIGURE No. 20

Chevron Minerals Ltd.
WATSON
DRILLHOLE WT880005
PROJECT ID : M584

HOLE / TRAVERSE ID	:WT880005	COLLAR AZIMUTH	:294.00
CORE HOLE SIZE	:NQ	COLLAR DIP	:-63.00
DATE STARTED	:88/10/ 6	COLLAR ELEVATION	:1986.00
DATE COMPLETED	:88/10/11	COLLAR NORTHING	:10134.00
GEOLOGGED BY	:TEL	COLLAR EASTING	:9855.00
PLOT DATE	:88/DEC/13		
PROJECT LEADER	:S.MCALLISTER		
LOCATION	:STIRRUP CREEK	TOTAL LENGTH	:198.73 M
		SCALE	1:100

18,352

GEOLOGICAL BRANCH
ASSESSMENT REPORT

END OF HOLE 198.73M

* Check assays returned
14.99 g/tonne, 15 g/tonne

10050 N

9500 E

9600E

Elevation (m)

2110

2060

2010

1960

1910

1860

87-4

1000.0
600.0
300.0
400.0
200.0
0.0
119.63
WT87-2004
RU PPB

10050N

9500E

9600E

LEGEND

TERTIARY

- Feldspar - Quartz Porphyry
- Granodiorite, Porphyritic

CRETACEOUS

- Shale
- Siltstone
- Siltstone with Shale
- Greywacke
- Sandstone
- Conglomerate
- Fault
- Brecciation
- Easting
- Northing

GEOLOGICAL BRANCH
ASSESSMENT REPORT

18,352

Chevron Minerals Ltd.

WATSON
CROSS SECTION
87-4

SCALE 1:500

M

NOV.24,1988	CR4	M584
FIGURE No. 21		FILE No. G-9

FIGURE No.22

Chevron Minerals Ltd.

WATSON

DRILLHOLE WT870004

PROJECT ID : MS84

HOLE / TRAVERSE ID	:WT870004	COLLAR AZIMUTH	:70.00
CORE HOLE SIZE	:NQ	COLLAR DIP	:-60.00
DATE STARTED	:87/10/18	COLLAR ELEVATION	:2045.00
DATE COMPLETED	:87/10/28	COLLAR NORTHING	:18945.00
GEOLOGGED BY	:TEL	COLLAR EASTING	:9456.00
PLOT DATE	:88/NOV/28		
PROJECT LEADER	:S.MCALLISTER		
LOCATION	:STIRRUP CREEK	TOTAL LENGTH	:119.63M

SCALE 1:100

GEOLOGICAL BRANCH
ASSESSMENT REPORT

18,352

END OF HOLE 119.63M

10150N 9500E 10250N 9550E

Elevation (m)

88-6

2040 1990 1940 1890 1840 1790

?

1150 ppb Au
1100 ppb Au

1700 ppb Au

229.12

LEGEND

TERTIARY
- Feldspar · Quartz Porphyry
- Granodiorite, Porphyritic

CRETACEOUS
- Shale
- Siltstone
- Siltstone with Shale
- Greywacke
- Sandstone
- Conglomerate
- Fault
- Brecciation
- Easting
- Northing

GEOLOGICAL BRANCH
ASSESSMENT REPORT

18,352

Chevron Minerals Ltd.

WATSON
CROSS SECTION
88-6

SCALE 1:4000

NOV.24,1988	CR6	M584
FIGURE No. 23		FILE No. G-10

10150 N 9500E 10250N 9550E

FIGURE No. 24

Chevron Minerals Ltd.
WATSON
DRILLHOLE WT880006
PROJECT ID : M584

HOLE / TRAVERSE ID	:WT880006	COLLAR AZIMUTH	:24.50
CORE HOLE SIZE	:HQNQ	COLLAR DIP	:-63.00
DATE STARTED	:88/10/12	COLLAR ELEVATION	:2038.00
DATE COMPLETED	:88/10/20	COLLAR NORTHING	:10134.00
GEOLOGGED BY	:TEL	COLLAR EASTING	:9486.00
PLOT DATE	:88/DEC/13		
PROJECT LEADER	:S.MCALLISTER		
LOCATION	:STIRRUP CREEK	TOTAL LENGTH	:229.12M

SCALE 1:100

GEOLOGICAL BRANCH
ASSESSMENT REPORT

18,352