WESTMIN

1994 ASSESSMENT REPORT

BELL CREEK PROPERTY
(BELL, BELL 1 TO 12, ROCHE, PASAYTEN, STAR, STAR 1, TELL, TELL 1, AU CLAIMS)

DIAMOND DRILLING, SOIL SAMPLING, PETROGRAPHIC EXAMINATIONS AND LITHOGEOCHEMICAL SAMPLING

SIMILKAMEEN MINING DIVISION
NTS 92H/2
LATITUDE 49° 08' N, LONGITUDE 120° 38' W

CLAIM OWNERS
STEVE TODORUK, DOUG FULCHER AND MIKE STAMMERS
PAMICON DEVELOPMENTS LTD.

OPERATOR
WESTMIN RESOURCES LIMITED

REPORT BY

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WESTMIN RESOURCES LIMITED

MARCH 10, 1995

RPT/95-003

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1.0 SUMMARY

The 1994 exploration program was designed to investigate the potential for an economic zinc-copper massive sulphide deposit on the Bell Creek property. Diamond drilling, soil sampling, petrographic examinations and limited geophysical surveying were performed.

The drilling was done north along trend of historical workings at the Red Star showings. The volcanic and sedimentary rock units defined during 1993 surface mapping at the Red Star Grid area could generally be identified in diamond drill core. The felsic volcanic rocks commonly are quite evolved with abundant quartz and feldspar phenocrysts and elevated lithophile element contents. There is evidence that intense polyphase deformation has destroyed primary layering in most of the rocks examined.

The diamond drillholes tested intensely altered areas with associated zinc and copper enrichment in soils. These alteration zones are also enriched in barium, which is directly associated with mineralization, and also enriched in magnesium. The rocks are depleted in calcium and sodium. These alterations are spatially associated with massive sulphide mineralization as at the Red Star showing. In summary, rock units logged in all five drillholes show that the rocks dip to the west as predicted by surface geological mapping. No massive sulphide bodies were intersected; only small amounts of disseminated sulphides were observed in the drillholes. The highest copper and zinc analyses were obtained from drillholes BC-94-01 and BC-94-02, which are closest to the old Red Star underground workings.

The Knob Hill showing also has a substantial alteration zone with associated mineralization. Soil sampling has indicated alteration and mineralization as much as 500 metres southwards along strike from the known workings at Knob Hill. A 1993 VLF-EM conductor located on the northward strike projection of the main Knob Hill showing is under overburden. The area of the conductor was covered by 1994 soil sampling; the conductor is not associated with anomalous amounts of copper or zinc in soil.

Weak geochemical soil anomalies at the Roche Grid area are difficult to evaluate due to extensive overburden cover.

Recommendations for further work include drill testing of the Red Star horizon immediately adjacent to the old workings. The Knob Hill horizon south of the old workings, and the soil geochemical anomalies in the southeastern corner of the Knob Hill Grid, also should be tested by drillholes. Additional work should be done in other areas of the property, particularly along the extension of the Red Star mineralized horizon southward across the Similkameen River.

2.0 INTRODUCTION

2.1 Location and Access

The Bell Creek property is located in the Similkameen Mining District approximately 50 kilometres south of Princeton, British Columbia. It is immediately east of Manning Park along Highway 3 (Figure 1). The claims are located on NTS map sheet 92H/2, at 49° 08' N and 120° 38' W. The claims straddle the confluence of the Similkameen and Pasayten rivers. The Copper Mountain-Ingerbell porphyry copper-gold deposits are approximately 30 kilometres north of the property, along the Similkameen River.

The property has excellent access directly from Highway 3 or from numerous all-weather gravel logging roads.

2.2 Physiography and Vegetation

The property has moderately steep terrain sloping towards the river valleys which dominate the physiography. Moderately thick glacial overburden covers bedrock in most areas, especially at higher elevations. Outcrop exposure is largely confined to road cuts and creek gullies.

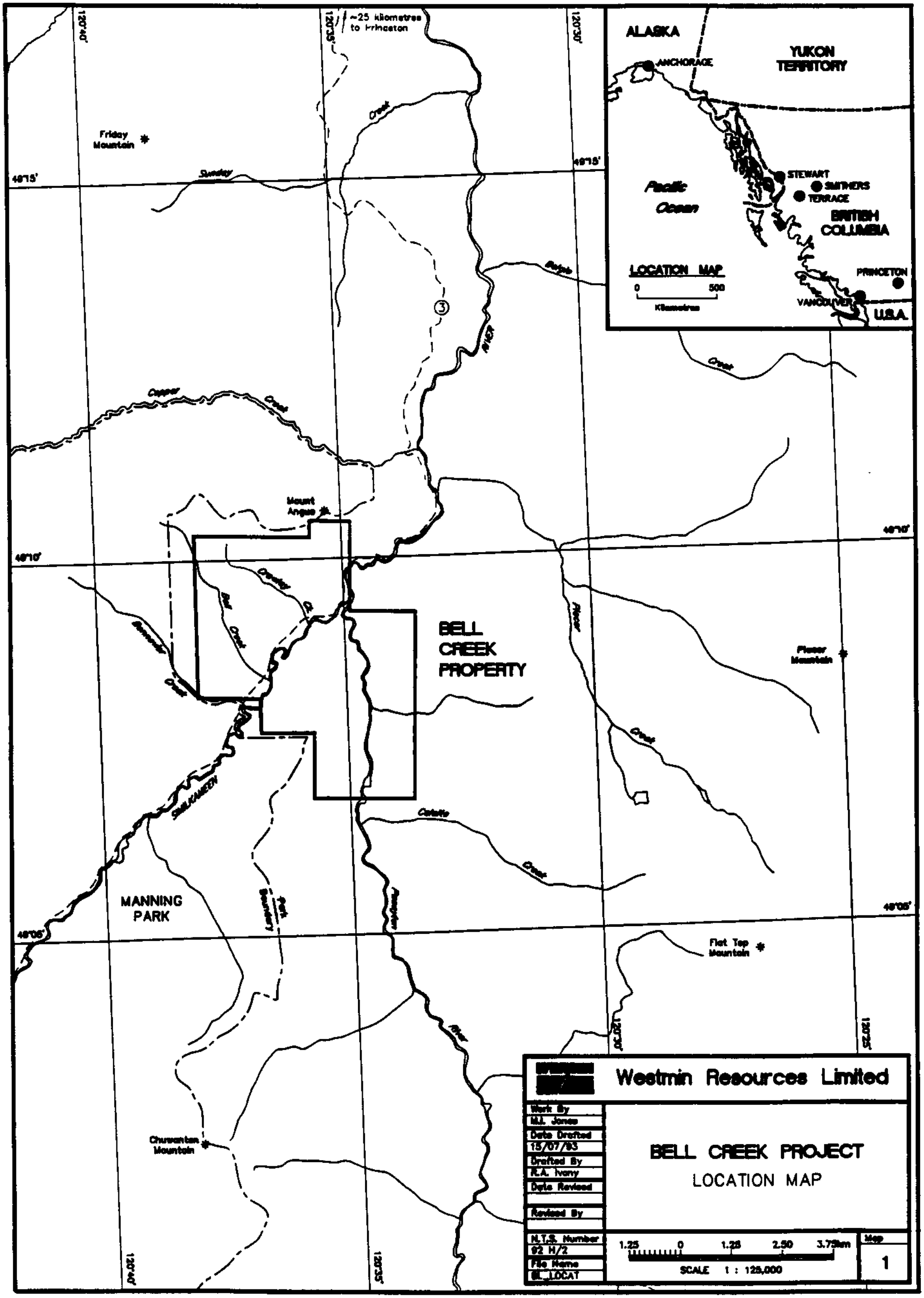
The area has a dry climate typical of the south-central interior of British Columbia. Open pine forest covers south- and west-facing slopes, with mixed spruce, fir and pine elsewhere on the property.

2.3 Claims

The Bell Creek property consists of 20 mineral claims totalling 120 units (Figure 2). The claims are contiguous. The claims comprising the property are listed in Table 1. The claims are under option by Westmin Resources Limited, Vancouver, British Columbia, from owners Steve Todoruk, Doug Fulcher and Mike Stammers, all of Pamicon Developments Ltd., Vancouver, British Columbia.

2.4 Previous Work

Exploration work has been performed in the Bell Creek property area since 1900. Most of this work has focused on a couple of showings near the eastern boundary of Manning Park, just north of Eastgate, British Columbia. The main showing is the Red Star (MinFile No. 092HSE067), which has had a little production. Several other prospects have received considerable attention including Knob Hill (MinFile No. 092HSE069), Roche and Pasayten (MinFile No. 092HSE068), Golden Crown



~25 kilometres to Princeton
120°40'
120°35'
120°30'
120°25'
49°15'
49°10'
49°05'
Friday Mountain
Sunday
Creek
Copper
Creek
Mount Angus
Bell
Creek
Crystal
Cr.
Creek
RIVER
3
BELL
CREEK
PROPERTY
Placer
Creek
Placer Mountain
Calcite
Creek
SIMILKAMEEN
MANNING
PARK
Park Boundary
Pasayten
River
Flat Top Mountain
Chuwanten Mountain
ALASKA
ANCHORAGE
YUKON TERRITORY
Pacific Ocean
STEWART
SMITHERS
TERRACE
BRITISH COLUMBIA
LOCATION MAP
0
500
Kilometres
PRINCETON
VANCOUVER
U.S.A.
Westmin Resources Limited
Work By
M.J. Jones
Date Drafted
15/07/93
Drafted By
R.A. Ivany
Date Revised
Revised By
N.T.S. Number
92 H/2
File Name
BL_LOCAT
BELL CREEK PROJECT
LOCATION MAP
1.25
0
1.25
2.50
3.75km
SCALE 1 : 125,000
Map
1

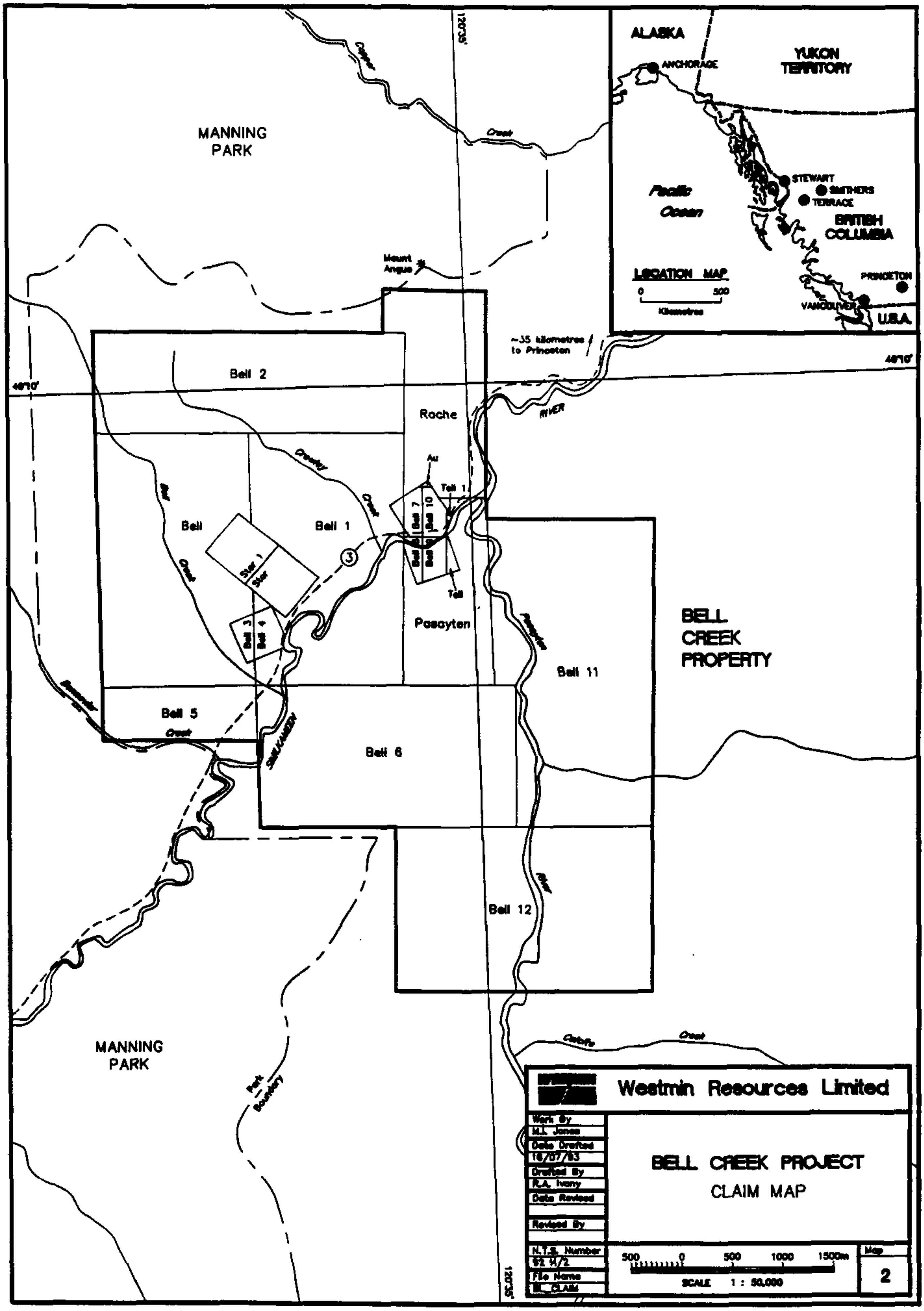

MANNING PARK
Copper Creek
Mount Angus
ALASKA
ANCHORAGE
YUKON TERRITORY
Pacific Ocean
STEWART
SMITHERS
TERRACE
BRITISH COLUMBIA
LOCATION MAP
0 500
Kilometres
PRINCETON
VANCOUVER
U.S.A.
~35 kilometres to Princeton
49°10'
120°35'
Bell 2
Roche
Crowley Creek
Au
Tell 1
Bell 7
Bell 10
Bell 8
Bell 9
Bell Creek
Bell
Bell 1
Star 1
Star
③
Tell
Pasayten
Bell 3
Bell 4
BELL CREEK PROPERTY
Pasayten River
Bell 11
Bell 5
Creek
SIMILKAMEEN
Bell 6
Bell 12
Calcite Creek
MANNING PARK
Park Boundary
Westmin Resources Limited
Work By
M.I. Jones
Date Drafted
18/07/93
Drafted By
R.A. Ivany
Date Revised
Revised By
N.T.S. Number
92 H/2
File Name
BL_CLAIM
BELL CREEK PROJECT
CLAIM MAP
500 0 500 1000 1500m
SCALE 1 : 50,000
Map
2

TABLE 1

BELL CREEK CLAIMS

Claim Name	Tenure No.	No. of Units	Record Date	Expiry Date *
Bell	249803	15	1990/04/11	1998/04/11
Bell 1	249839	15	1990/07/01	1998/07/01
Bell 2	250041	12	1991/04/16	1998/04/16
Bell 3	250042	1	1991/04/14	1998/04/14
Bell 4	250043	1	1991/04/14	1998/04/14
Star	300055	1	1991/06/03	1998/06/03
Star #1	300057	1	1991/06/03	1998/06/03
Bell 5	302971	3	1991/08/09	1998/08/09
Bell 6	302972	15	1991/08/09	1998/08/09
Roche	308587	8	1992/04/05	1998/04/05
Pasayten	308588	8	1992/04/10	1998/04/10
Tell	310135	1	1992/06/15	1998/06/15
Au	310136	1	1992/06/15	1998/06/15
Bell 7	310491	1	1992/06/15	1998/06/15
Bell 8	310492	1	1992/06/15	1998/06/15
Bell 9	310493	1	1992/06/15	1998/06/15
Bell 10	310494	1	1992/06/15	1998/06/15
Tell #1	310667	1	1992/06/28	1998/06/28
Bell 11	311154	18	1992/06/27	1998/06/27
Bell 12	311155	15	1992/06/27	1998/06/27

* Expiry dates do not reflect filing of the current assessment work.

(MinFile No. 092HSE191) and Paw (MinFile No. 092HSE093). Descriptions of these properties can be found in the reports of the B.C. Department of Mines dating back to 1900. Several adits were excavated on the better showings by earlier workers; these underground developments extend up to 332 metres in length. There are at least five adits on the former Red Star claims; including internal raises and shafts, these underground workings have a total length of at least 565 metres. There are two adits on the Knob Hill showing, with about 45 metres of total development. The former Roche Crown-granted claim and the former Pasayten Crown-granted claim also were each explored by adits.

In the period 1967 to 1970, Spheno Mines Ltd. (Assessment Reports 878 and 2807) carried out a program of geological mapping, soil sampling plus limited magnetometer and EM surveying over the Knob Hill/Red Star area, as well as southeast of the Similkameen River. They followed up this work by diamond drilling five(?) holes in the Knob Hill and Red Star areas; the holes intersected weak mineralization.

Cominco Ltd. (Assessment Report 8170) optioned claims covering the Red Star showing in 1980 and conducted a comprehensive exploration program looking for volcanogenic massive sulphide (VMS) deposits. Cominco defined a strong VLF-EM conductor coinciding with an induced polarization (IP) anomaly extending over 900 metres. These anomalies coincided with a weak copper and zinc soil anomaly associated with the favourable Red Star horizon. However, Cominco never followed up these apparently encouraging results. In 1986 and 1987 Bukara Resources Ltd. (Assessment Report 16465) completed additional geological mapping and IP surveying, along with 1,100 metres of excavator trenching on the main mineralized horizon at Red Star. The focus of their exploration program was to evaluate the gold potential of the pyritiferous schists in the Red Star horizon. Although the gold content of the schists was disappointing, Bukara did identify zones with anomalous zinc and copper content. Bukara exposed the Red Star massive sulphide lens by uncovering the earlier, caved underground workings. This sulphide lens is 16 metres long and ranges between 0.1 and 1.2 metres thick.

The Red Star showing and the surrounding area was restaked by Pamicon Developments Ltd. in 1990. Pamicon resampled and remapped many of the old surface showings; the underground workings are mostly inaccessible. Pamicon conducted detailed sampling of the massive sulphide lens at the main Red Star showing. A 1.1 metre chip sample across the widest part of the lens gave values of 40.0% zinc, 3.72% copper, 950 ppb gold, 1.12 oz/ton silver and 1.56% barium.

In 1992 Westmin Resources Limited optioned the claims from Pamicon Developments Ltd. and completed two phases of exploration consisting of reconnaissance scale geological mapping, lithogeochemical and stream sediment sampling (Assessment Reports 22606 and 22934). In addition, a sample of massive quartz-feldspar porphyry from the Bell 1 claim was submitted to the geochronology lab at the University of British Columbia for a U-Pb age date. The age of the rock was determined to be 116 ± 2 Ma, although this date may be inaccurate as insufficient zircons were obtained from the rock sample to allow a valid statistical analysis.

In 1993 Westmin Resources Limited completed a program of detailed geological mapping, soil sampling and geophysical surveying concentrated in the Red Star showing area. Detailed geological mapping was done within the Red Star Grid and the Knob Hill Grid areas. Forty-one whole rock samples, 12 rock geochemical samples and 2 silt samples were taken in conjunction with the mapping. Three thin section examinations were done; one examination included a strain analysis of the rock. Ground magnetometer/VLF surveying and horizontal loop electromagnetic (HLEM) surveying were also performed. Soil geochemical sampling was done at both Red Star and Knob Hill grid areas; this included 193 plugger soil samples from the Red Star area.

Some of the better results from the previous rock sampling on the property are summarized in Table 2.

2.5 1994 Work Program

In 1994 Westmin Resources Limited completed a program of linecutting, diamond drilling, soil sampling, lithogeochemical sampling, petrographic studies, geophysical surveying and geological mapping.

The diamond drilling was concentrated along strike to the north of the Red Star showing area, where altered and geochemically anomalous zones were recognized during previous work. A total of 1,406.34 metres was drilled in five holes.

Geochemical soil sampling was done in both the Knob Hill Grid and the Roche Grid areas. Six hundred and forty-nine soil samples from these two areas were collected and analyzed.

Linecutting was done to extend Baseline 10+00W from 20+00N to 25+00N. Also, a third baseline was established on the property. Baseline 15+00E was cut from 20+00N to 25+00S. This baseline was established to support grid work in the Roche Grid area, and future work south of the Similkameen River.

TABLE 2

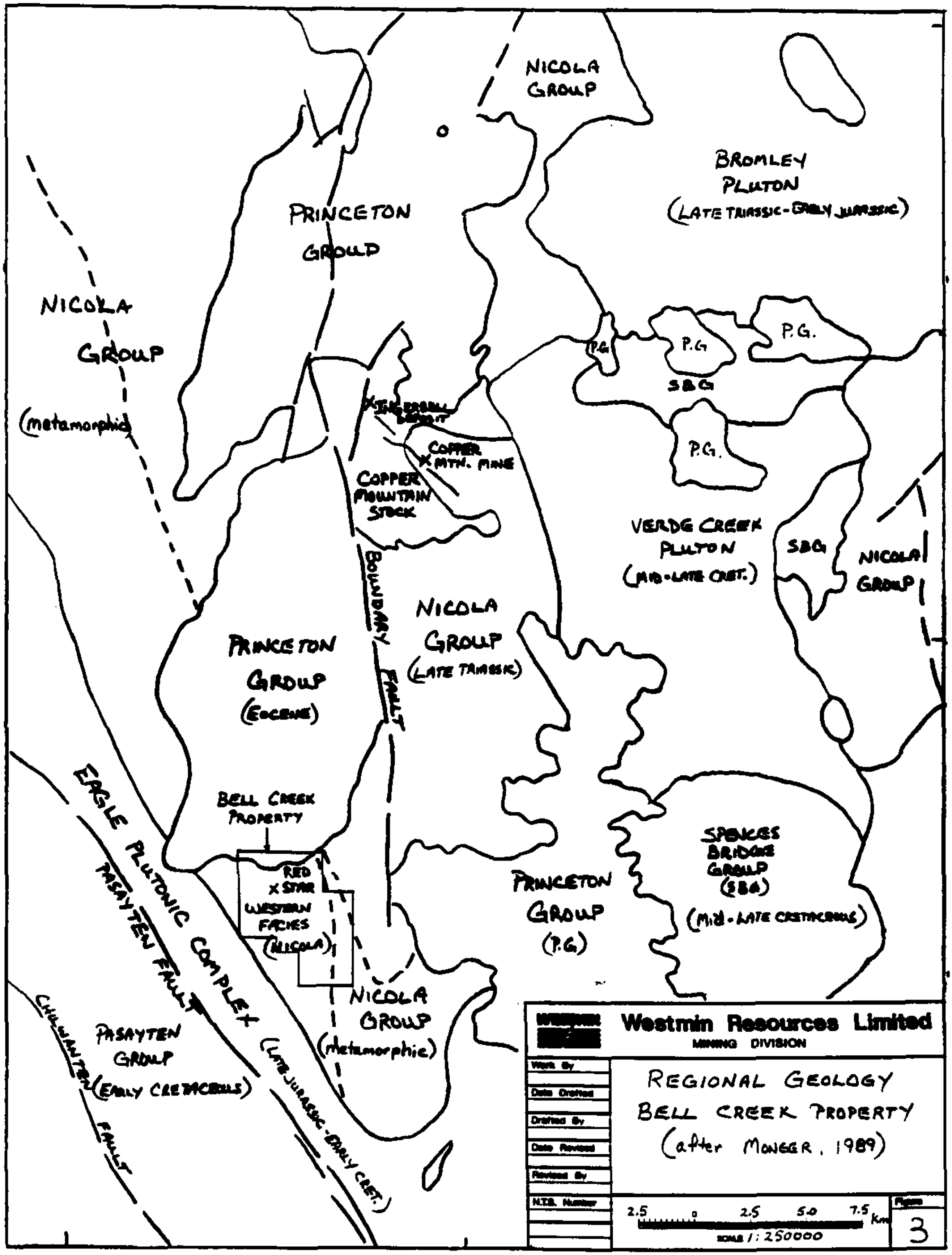
REPORTED WIDTHS AND GRADES FROM PREVIOUS SAMPLING ON THE VARIOUS ZONES EXPLORED ON THE BELL CREEK PROPERTY

Showing	Width	Zn (%)	Cu (%)	Au (ppb)	Ag (ppm)	Pb (ppm)
Red Star	1.1 m	40.0	3.72	950	38.1	42
	2.74 m	10.0	2.65	330	17	
	1.0 m	7.95	2.5	1,000	13.5	
	0.91 m	8	22			
(Hand-cobbed)	28 t	8.1	6.5		71	
Knob Hill	0.75 m	0.08	0.82	115	5.0	18
	grab	0.22	1.23	235	10.5	34
Paw	grab		9.23	1,900	1.9	
Pasayten	grab		1.36	30.4 g/T		

3.0 REGIONAL GEOLOGY

The Bell Creek property is situated within the Quesnel Trough, an extensive, generally northerly trending terrane consisting largely of alkalic intrusive and volcanic rocks and their sedimentary equivalents. The claims are located at the south end, and near the western margin, of this structural province (Figure 3). The northwesterly trending contact with granodioritic and gneissic rocks of the Late Jurassic to Early Cretaceous Eagle Plutonic Complex.

Mapping by Monger (1989) has shown that the property area is underlain by metamorphosed sedimentary rocks and volcanic rocks of the Upper Triassic Nicola Group. The work program to date has been focused on these Nicola Group rocks. The volcanic rocks of the Nicola Group are dominated by mafic to intermediate alkalic tuffs and flows commonly with pyroxene or pyroxene-plagioclase phenocrysts. Also present in the local stratigraphy are intermediate to felsic calc-alkaline volcanic rocks and sedimentary rocks typical of the "Western" facies of the Nicola Group (Preto, 1979). Most of the Nicola Group rocks have


NICOLA GROUP
BROMLEY PLUTON
(LATE TRIASSIC-EARLY JURASSIC)
PRINCETON GROUP
NICOLA GROUP
(metamorphic)
P.G
P.G
P.G.
SBG
P.G.
INGERBELL DEPOSIT
COPPER MTN. MINE
COPPER MOUNTAIN STOCK
VERDE CREEK PLUTON
(MID-LATE CRET.)
SBG
NICOLA GROUP
BOUNDARY FAULT
NICOLA GROUP
(LATE TRIASSIC)
PRINCETON GROUP
(EOCENE)
BELL CREEK PROPERTY
RED STAR
WESTERN FACIES
(NICOLA)
EAGLE PLUTONIC COMPLEX
(LATE JURASSIC-EARLY CRET.)
PASAYTEN FAULT
CHUWANTEN FAULT
PASAYTEN GROUP
(EARLY CRETACEOUS)
NICOLA GROUP
(metamorphic)
PRINCETON GROUP
(P.G)
SPENCES BRIDGE GROUP
(SBG)
(MID-LATE CRETACEOUS)
Westmin Resources Limited
MINING DIVISION
Work By
Date Drafted
Drafted By
Date Revised
Revised By
N.T.S. Number
REGIONAL GEOLOGY
BELL CREEK PROPERTY
(after MONGER, 1989)
2.5 0 2.5 5.0 7.5 Km
SCALE 1: 250000
Figure
3

been metamorphosed to greenschist to lower amphibolite grade with strong amphibolitization near the contact with the Eagle Plutonic Complex. A strong, pervasive structural orientation in the Nicola Group rocks parallels the intrusive contact with the Eagle Plutonic Complex.

Eocene-aged Princeton Group rocks unconformably overlie the Nicola Group and Eagle Plutonic Complex rocks in the area. The Princeton Group includes alkalic volcanic (primarily hornblende-plagioclase-pyroxene porphyritic) rocks and sedimentary rocks ranging from argillites to conglomerates. Common hematite staining in these rocks indicates that the volcanic sequence was largely extruded sub-aerially. These rocks are not strongly deformed and in general have been only weakly metamorphosed. Princeton Group rocks are present at the north end and east of the claim group.

At the Red Star showing intermediate to felsic Nicola Group volcanic rocks host a small massive sulphide lens consisting largely of sphalerite and pyrite with associated copper minerals and barite. Massive pyrite with high copper and zinc concentrations has been identified in several shears in the area; the Knob Hill showing is of this type. Several other showings are known in the vicinity, mostly spotty copper-gold mineralization in quartz veins oriented parallel the dominant foliation directions. The large Copper Mountain-Ingerbell alkaline porphyry copper-gold deposits, presently mined by Similco Mines Ltd., are approximately 30 kilometres north of the property. These deposits are found within and adjacent to alkaline intrusions which are cogenetic with the alkaline Nicola Group volcanic rocks.

4.0 PROPERTY GEOLOGY

4.1 General Geology of the Nicola Group

A wide section of mafic to intermediate to felsic volcanic rocks and sedimentary rocks, including limestone and argillites, lies between the Eagle Plutonic Complex and the Pasayten River. This section correlates with the "Western" facies of the Nicola Group (Preto, 1979). Mafic and felsic intervals are repeated in the section by cyclical volcanism or, possibly, by as yet unrecognized structural complexities such as folding or thrusting. Typical mafic volcanic rocks and sedimentary rocks of the alkaline section of the Nicola Group occur east of Pasayten River. No large intrusive bodies have been identified on the property to date. Bedrock is not exposed in the floodplains of the Similkameen and Pasayten rivers.

The Nicola Group is assumed to be built eastward (Monger, 1985). Nicola Group volcanic rocks to the east are typically alkaline, emergent and oxidized. In addition, previous workers (Rice, 1943; Moore and Pettipas, 1990) have described the "Western" facies of the Nicola Group as east-facing. Assuming no structural complexities, the more westerly rocks on the property should be stratigraphically lower within the Nicola Group. If the rocks on the western part of the property belong to the "Western" facies of the Nicola Group, then they should be stratigraphically lower. Only one indication of tops was observed during geological mapping. A westerly-dipping, graded lapilli tuff bed near the Paw showing indicates that the bedding top is to the east. The beds here are therefore overturned.

Fine-grained clastic sediments in these "Western" facies rocks indicate that they were deposited in a moderately distal submarine environment. However, they must not have been deposited in deep water as there are several limestone units in the section north and south of the Bell Creek property. In fact, the "Western" facies may have locally been emergent in other areas (Moore and Pettipas, 1990).

4.2 Geological Units of the Knob Hill and Red Star Areas

The "Western" facies Nicola Group rocks were divided into numerous mafic to felsic volcanic units and sedimentary units during detailed geological mapping in 1993. Minor intrusions may also be present. All of the various map units were described in detail by Jones (1994). The rock units which were intersected by the 1994 diamond drillholes are described below; these descriptions are modified after Jones (1994). Rock unit numbers correspond to the map units in the legends for Figures 4 to 6 and 12 to 14.

Fourteen drill core samples were submitted for petrographic studies by Vancouver Petrographics Ltd., Langley, British Columbia. Nine thin sections and five polished sections were made and studied by them. Their report forms Appendix B. The unit descriptions below include remarks resulting from the petrographic study.

4.2.1 Unit 6

Unit 6 becomes progressively wider along strike, from about 40 metres in the south part of the grid to about 170 metres in the north. The unit is bounded on the east by argillites and siltstones, although the contact is usually a fault. Unit 6 is dominantly homogenous, generally massive chlorite schist. The rock commonly contains black to locally brown biotite, porphyroblastic magnetite and bands or wispy lenses of epidote. The chlorite schist is interbedded with intermediate lapilli tuff bands up to 15 metres wide. The lapilli tuff commonly has up to 3% scattered bluish or bluish-grey quartz eyes up to 7 millimetres (average 1 to 1.5 millimetres) in size, and 2% feldspar phenocrysts to 3 millimetres. The lapilli generally form about 10% of the rock volume; they range up to 20 centimetres long in outcrop. The lapilli generally appear to be slightly more felsic than the tuff matrix, and stand out due to alteration. Deformation has resulted in locally severe flattening of the fragments, which often have faint margins. Magnetite porphyroblasts to 1.5 millimetres across are common.

The following remarks concerning Unit 6 are from the results of the petrographic study (Appendix B). A sample of Unit 6 from 9.0 metre depth in hole BC-94-01 was determined to be metamorphosed dacite tuff with porphyroblasts of biotite. Lenses of coarser grained calcite parallel foliation from 188.23 metre depth in hole BC-94-04 probably are due to metamorphic segregation. Some disseminated biotite grains from 80.47 metre depth in hole BC-94-05 have a porphyroblastic texture.

A less common rock type within Unit 6 is a light coloured quartz-sericite schist which generally has a faint limonite stain. This schist contains 2 to 3% quartz eyes, and 1 to 2% feldspar phenocrysts, up to 2 millimetres. A small gabbro outcrop(?), Unit 6d) was included in this section during surface mapping. The gabbro is likely fault-bounded and occurs at the south end of the sedimentary sequence east of Unit 6.

Unit 6 is defined geochemically by a zirconium content mainly between 46 and 81 ppm (Figures 12 to 14; Appendix C). It has the lowest zirconium content of all of the units sampled during 1994. Lithogeochemical analyses of Unit 6 show that it is relatively unaltered in comparison with other map units on the Bell Creek property (Figures 7 to 11).

4.2.2 Unit 7

Unit 7 is a narrow, irregularly-shaped sliver of dark coloured argillite and siltstone along the eastern margin of Unit 6. These rocks are finely foliated on a millimetre scale and locally folded. The rocks commonly have a hornfels or gneissic appearance. Metamorphic alteration has resulted in the creation of ubiquitous biotite and the segregation of numerous quartz lenses and bands. In drillhole BC-94-05 the unit contains 3% carbonate as watery grey calcite veinlets and lenses mostly parallel foliation. A carbonate-rich layer (or vein?) is present in outcrop at 10+60N/1+35E. Unit 7 contains a number of narrow, anastomosing shears which commonly have shiny black graphite coating fracture surfaces. The irregular outline of Unit 7 in plan view is likely due to shears along unit boundaries; contacts are often observed to be faults in drill core. Unit 7 generally contains about 2% pyrite and about 0.5% pyrrhotite. The sulphides occur as wispy, elongate lenses parallel foliation and occasionally as contorted, brecciated bands up to 8 millimetres wide. The rock locally is weakly magnetic.

Unit 7 has a zirconium content of 36 to 105 ppm, and from 0.16 to 1.23% TiO_2. These variable results are not unexpected as the unit is a sediment.

4.2.3 Unit 8

Unit 8 is the most important stratum on the property as it contains the Red Star showing. This is the main mineral occurrence found to date. Unit 8 is generally 50 to 60 metres wide in plan view, and from 20 to 50 metres wide in diamond drillholes. Unit 8 is mainly sericite-quartz (± chlorite) papery (well-cleaved) schist. Whole rock geochemistry shows that the rocks in this unit have trace element (zirconium and yttrium in particular) concentrations that indicate more acid igneous rocks. The presence of quartz eyes in the rocks also indicates a felsic igneous source. Unit 8 likely represents a sequence of evolved felsic volcanic precursor rocks.

Earlier quartz veins within the unit are watery grey and sheared; later quartz veins are white and only weakly brecciated. Quartz eyes are commonly present in the felsic rocks of Unit 8; these locally contain less than 1% subround, bluish quartz eyes. Unit 8 often contains finely disseminated, bright, subhedral pyrite crystals about 0.5 millimetres across.

Unit 8 is light grey-green to yellow-green to dark green and grey. Overall, the rocks in Unit 8 are soft, foliated and intensely altered. Intense sericitization has given the rocks a "talcose" or greasy feel. Sericite occurs as flakes along partings parallel foliation; these anastomosing partings surround quartzo-feldspathic lenses.

The rock generally has a granular appearance. The quartz-rich lenses commonly have a boxwork after pyrite. Magnetite, presumably secondary, is also locally present. Small chloritic patches in some rocks may be altered mafic phenocrysts. In drill core chlorite is light green and very fine grained, in faint elongate lenses and laminae averaging a few millimetres in length; local medium-green chlorite-rich bands are up to 30 centimetres wide. Silicification and pyritization of some horizons is common; this alteration is possibly associated with faulting. Well developed foliation and numerous shears and kink folds demonstrate that strong deformation has occurred. Identification of primary rock types in this sequence is difficult due to the combination of strong alteration and deformation.

Unit 8 is defined by a zirconium content ranging from 74 to 225 ppm, with most rocks containing from 147 to 204 ppm zirconium (Figures 12 to 14). TiO_2 content is mostly from 0.21 to 0.23%.

4.2.4 Unit 9

Unit 9 is a 30 to 50 metre wide, continuous band of medium-grained chlorite schist and chlorite-sericite schist. The precursor rocks were apparently mafic volcanics. Feldspar phenocrysts are common. A polished section of this unit from 106.68 metre depth in hole BC-94-05 shows that chlorite and muscovite (sericite) are moderately concentrated in seams parallel the foliation, and that chalcopyrite forms lenses. Epidote occurs as faint bands and lenses subparallel foliation, and as irregular veinlets to 0.5 millimetres wide. The unit is variably altered with local papery, "talcose" sections. The more altered, lighter coloured rocks usually contain more secondary pyrite, especially near faults. Geochemically, the lesser-altered rocks typically have greater than 1.0% TiO_2 and 10% total iron oxides. The rocks near the Red Star showing have anomalous levels of MgO, possibly as a result of alteration.

A thin section of Unit 9 from 156.64 metre depth in hole BC-94-05 confirms the logging of this rock as andesite flow. A polished section was made of a vein cutting this andesite flow at 163.81 metre depth in hole BC-94-05; the vein is mainly calcite with moderately abundant chlorite, plagioclase and patches of pyrite. The vein has a strongly chlorite-altered envelope.

Unit 9 is defined geochemically by a zirconium content ranging from 49 to 199 ppm, with most samples containing between 74 and 97 ppm (Figures 12 to 14; Appendix C). Unit 9 has the highest alteration index of all of the units sampled during 1994, with Alteration Index (A.I.) values ranging from 0.93 to 1.37 except for one rock with an A.I. of 0.78.

4.2.5 Unit 10

Unit 10 may have as much economic potential as Unit 8, although no significant showings have yet been found within Unit 10. Unit 10 is as altered as Unit 8, and has a distinct copper-zinc association. Anomalous zinc and copper concentrations are common in samples of Unit 10; the rock locally contains to 0.25% disseminated chalcopyrite and sphalerite. Unit 10 ranges from 30 to 120 metres wide, and locally is fault-bounded both in diamond drill core and from surface geological mapping. Unit 10 is variable both in appearance and composition. Rock types include generally light green to light grey, intensely foliated quartz-sericite and sericite-chlorite schists. There is evidence of some thin, argillaceous(?) sedimentary beds within the section. Unit 10 appears to be most bleached and altered within 15 to 30 centimetres of faults. Bluish to rose coloured quartz eyes to 3 millimetres diameter commonly form up to 5% of the rock volume. The groundmass of the rocks appears sugary, with abundant tiny biotite speckles, where the rocks are not strongly foliated; this possibly indicates a quartz-rich hornfels. A lapilli tuff sub-unit with flattened, whitish or pale grey, aphanitic fragments up to 4 cm long occurs near the middle of the section. Lapilli are locally indurated with blue silica in drillhole BC-94-03. The lapilli tuff groundmass is non-magnetic sericite-chlorite schist with 3 % feldspar phenocrysts and trace quartz eyes. A thin section of lapilli tuff from 155.15 m depth in hole BC-94-02 shows that foliation is defined by elongation of muscovite (logged as sericite) and by compositional layering.

Unit 10c is a siliceous pyritic schist which extends over 300 m strike length despite being only 5 to 10 m wide. Large quartz eyes are present, but may not be primary. This sub-unit is strongly limonitic with ferricrete; only a boxwork remains after pyrite. The stratigraphic position of this sub-unit varies within Unit 10, suggesting that the subunit is an alteration zone related to shears or faults within the overall Red Star section. An interval of 10c in drillhole BC-94-05 is bleached and cream coloured; the lower contact of this interval may be a shear. A polished section of Unit 10c from 175.88 metre depth in hole BC-94-01 contains a lens of quartz and pyrite with minor sphalerite; the lens is of metamorphic segregation origin. Unit 10c appears to have been the target of the 1986 and 1987 gold exploration by Bukara (Assessment Report 16465).

Whole rock analyses show a strongly acidic composition for the rocks in Unit 10 with zirconium content in the range of 144 to 200 ppm, although a couple of rocks are somewhat different. The zirconium content of Unit 10 is similar to that of Unit 8.

4.2.6 Unit 11

Unit 11 is a section of sericite-chlorite schists which have a distinctive red and green banded appearance caused by variable hematite staining and biotite content. The unit is 50 to 110 metres wide. Local lapilli and the heterogeneous nature of the unit suggests that it may be largely tuffaceous. Trace to 1% quartz eyes up to 8 millimetres in diameter are normally present. The eastern contact of the unit, with a quartz-feldspar porphyry, is somewhat arbitrary and may be transitional. At the western margin of the unit, at 10+56N/2+97E, there is an outcrop of homogeneous, light bluish-grey coloured, Na-rich rhyolite. This is a massive, weakly laminated rock. These laminae define an isoclinal fold at the scale of the outcrop. In drill core Unit 11 is often moderately to intensely silicified with a steel grey or blue colour, especially along its western contact with Unit 10.

A thin section from 252.00 metre depth in hole BC-94-02 shows that the groundmass of the rock is dominated by quartz. A thin section from 249.12 metre depth in hole BC-94-03 shows that the groundmass is dominated by plagioclase, and that an opaque (ilmenite?) and garnet are concentrated in layers parallel foliation. A polished section from 331.70 metre depth in hole BC-94-05 shows that the bluish colour of the rock may be due to finely disseminated ilmenite. During core logging the dusty disseminated blue mineral was identified as hematite(?).

Unit 11 is defined geochemically by a zirconium content mainly between 174 and 278 ppm; a few samples are outside of this range. It has the highest zirconium content of all of the units sampled.

4.2.7 Unit 14

Unit 14 is defined by a couple of outcrops, one on Crowley Creek, the other at 9+40E on Line 15+00N. Both outcrops are of relatively homogeneous chlorite schist. The outcrop on Crowley Creek exhibits strong shearing with intersecting foliation planes. This fabric could be related to the apparent change in dominant foliation attitude near Crowley Creek (see Figure 4).

In the bottom of drillhole BC-94-03 is a short interval of what may be Unit 14. This rock is moderately foliated with pale cream plagioclase(?) phenocrysts, and 0.5% bluish quartz eyes to one millimetre across. This unit has a zirconium content of 59 ppm, consistent with that of mafic volcanic rocks.

4.3 Structure

Most rocks in the Bell Creek property area have a well developed foliation. Foliation is somewhat dependent on rock composition. For example, foliation is less obvious in the fine-grained, felsic hornfels rocks present on Knob Hill. The dominant structural orientation of the foliation planes is north-northwest to north with moderate to steep westerly dips, although steep easterly dips are also found, in particular east of Bell Creek. The overall structural trend parallels the nearby contact between Nicola Group volcanic and sedimentary rocks and rocks of the Eagle Plutonic Complex. The Eagle Plutonic Complex is also strongly foliated or gneissic in the Bell Creek property area. Another strong foliation plane exists throughout the property but is more obvious (stronger?) east of the Red Star area near Crowley Creek. This fabric has a north-northeast strike and moderate to steep westerly dip. It is possible that the two structural orientations reflect two deformational events. The more obvious of the two, with the north-northwest strike, would likely be the later (S_2?) event. Metamorphic minerals such as hornblende are not strongly aligned in the mafic units. This is consistent with S_2 deformation occurring after the Eagle Plutonic Complex formed.

The rocks of the Bell Creek property are locally folded. Large folds may be present on a property scale. This is possibly indicated by the generally repetitive nature of the geologic section with alternating mafic to felsic volcanic units, although there are other possible explanations such as thrust faulting. Parasitic folds, with various plunges, are seen at the outcrop scale. The folds are generally observed in the foliation fabric. The lack of definitive bedding throughout the property prevents recognition of folded primary bedding. The relationship of the folded foliation to primary bedding planes is also uncertain. The folds vary from open kinks in the foliation to isoclinal folds in compositional (parallel foliation?) layers. Measured fold hinges plunge at shallow angles to both the north and south.

Tight kink folds, related to later shearing, were observed in a 1994 thin section. Foliations in two directions were noted in another of the 1994 thin sections.

Faults on the Bell Creek property generally parallel the orientation of the foliation planes. Faults vary from quite steep to relatively shallow dipping. The potential for thrust faulting has been mentioned above; several mapped structures could be thrust faults. The low angle fault (176/46° W) exposed at the eastern end of Line 15+00N (Figure 4) on Highway 3 is a good example. Here, rocks of the calc-alkaline section of the Nicola Group are placed over porphyritic mafic volcanic rocks of the alkaline section of the Nicola Group.

A series of low to high angle, anastomosing shears occur in association with the altered zone around the Red Star showing. These structures appear to be concentrated on the west side of the Red Star horizon, but can be found 150 metres to the east in trenches in Unit 10. Where these structures coalesce, the resulting rock is a broken, strongly foliated "sheared schist" with no discernible preferred orientation. These shears are important as they may cut off the potentially mineralized horizons at depth.

Additional faults have been recognized in the area through mapping and geophysical interpretation. A set of apparently late faults striking 060 to 070° cross the dominant structural trend of the rock units. These faults locally seem to have minor left-lateral offset. In at least one area (Baseline 0+00E/W at 6+00N) faults have cut off rock units. This fault may parallel the presumed major fault or fracture underlying the linear Similkameen River valley; the river valley trends 045°.

4.4 Lithogeochemistry

1992 lithogeochemical sampling established that the rocks on the Bell Creek property were likely formed in an arc setting and form a calc-alkaline suite (Assessment Report 22934). Alteration studies indicated that the mineralization at the Red Star showing was associated with apparent additions of MgO, SiO_2, Ba and sulphur, and depletions in CaO and possibly Na_2O.

1993 sampling permitted refinement of the geologic map units, especially in strongly altered and deformed areas. Additional 1993 sampling confirmed the 1992 results associating alteration with mineralization.

Core samples were analyzed in 1994 for whole rock (total oxides) composition as well as numerous trace elements which help to characterize the various volcanic units. Four samples of Unit 7 sedimentary rocks were also collected in spite of their obvious mixed origin. Rocks which contained greater than 3 to 5% sulphides were also avoided for whole rock analyses. Results of the whole rock analyses are tabulated in Appendix C, and selected data plots form Figures 7 to 11.

4.4.1 Determination of Altered Samples

Figure 7 shows a plot of MgO versus SiO_2 (both in weight percentage) for the 1994 samples; this plot is designed to separate the least altered from strongly altered samples (de Rosen-Spence, 1992). Many of the 1994 samples have been altered. A subset of strongly altered rocks is highlighted on the diagram. The strongly altered rocks plot outside the normal igneous spectrum, as determined on this diagram, and for the purposes of this study are taken to be significantly

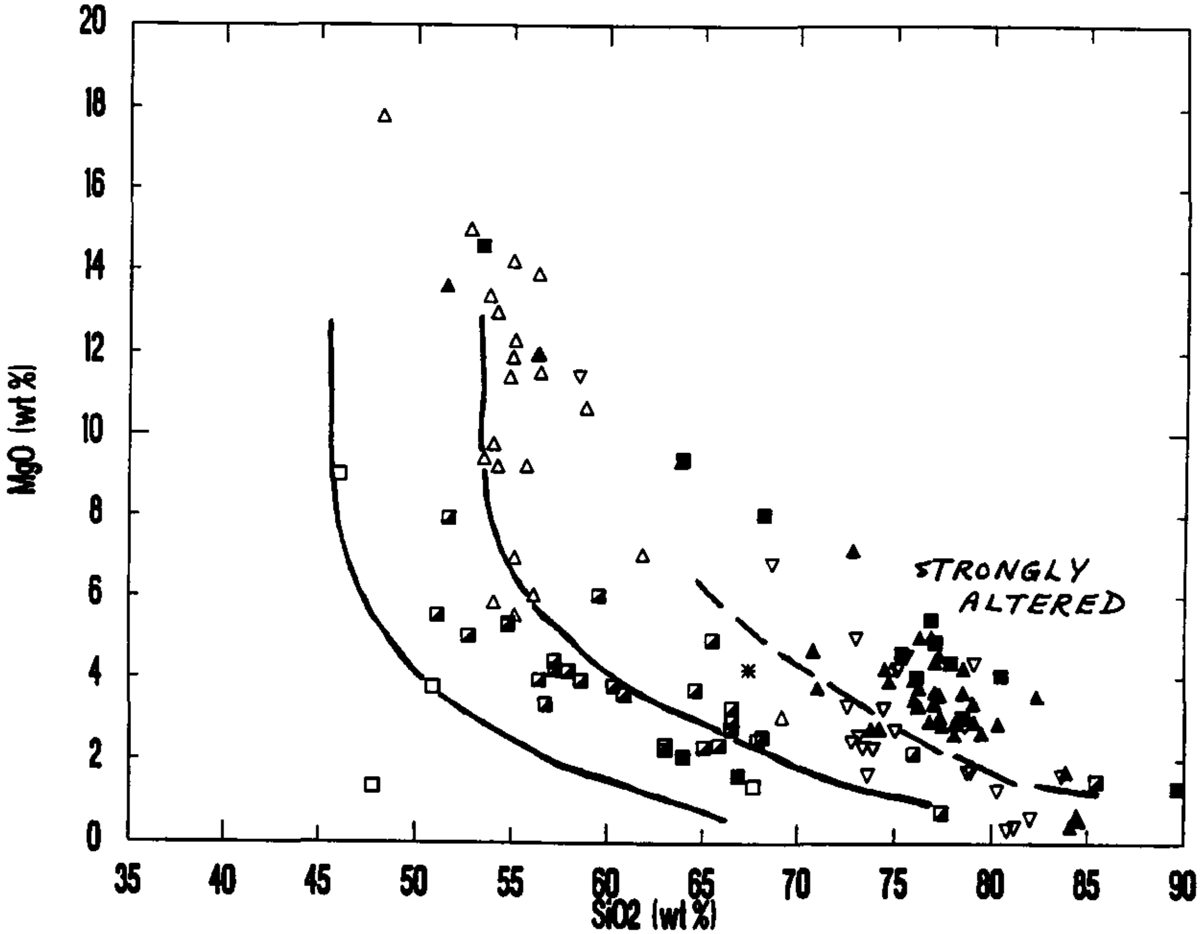


Figure 7: Plot of MgO versus SiO_2 for 1994 Bell Creek whole rock data. The field of unaltered igneous rocks lies between the two curved lines (de Rosen-Spence, 1992). Most of the rocks collected on the property have some alteration indicated. The rocks of Units 8 and 10 appear altered as a group, with few exceptions. Unit 6 is the least altered volcanic. The legend for rock unit symbols is found on the following page.

ROCK UNIT SYMBOLS FOR GEOCHEMICAL PLOTS

Unit 1
Unit 2
Unit 3
Unit 4
Unit 5
◪ Unit 6
□ Unit 7
■ Unit 8
△ Unit 9
▲ Unit 10

▽ Unit 11
Unit 12
Unit 13
* Unit 14
Unit 15
Unit 16
Unit 17
Unit 18
Unit 19
Unit 20

Unit 21

Plot symbols used for various geological units in Figures 7 through 11. The unit numbers correspond to the geological units described in the text. As not all units were sampled for whole rock analysis, several of the units do not have corresponding symbols.

altered from their original composition. This corresponds to MgO and/or SiO_2 addition and interestingly, includes all but two samples from Unit 8, the mineralized Red Star horizon. Unit 8 samples are shown in the figure as solid squares.

4.4.2 Chemical Affinity

The 1994 samples were plotted on the alkaline-subalkaline diagram of Irvine and Baragar (1971) (Figure 8) and all samples plotted in the subalkaline field. Figure 9 shows the samples from the Bell Creek holes plotted on a Jensen Cation Diagram (Jensen, 1976). A clear calc-alkaline trend is apparent even allowing for some distortions due to the inclusion of altered samples. Unit 6 samples range from rhyolite through to high iron tholeiite on this plot (Figure 9).

4.5 Alteration and Mineralization

As discussed above, the Red Star showing represents the most significant mineralized horizon yet located on the Bell Creek property. The showing is part of a wide zone of strongly sheared, locally faulted, schistose rocks which contain a variety of rock types, including quartz-sericite-pyrite schist, sericite schist and chlorite schist. Large, boudinaged (predeformation?) quartz veins are common. Smaller, fractured quartz veins are also present and they occupy gougy, subvertical structures. The schists commonly have a "talcose feel." However, thin section examination of rocks from the property has not detected any talc in the rocks. Rather, the talcose feel is apparently due to seams of fine-grained muscovite which parallel the foliation. Intense sericitization is characteristic of the entire exposure of the Red Star horizon and is observed along strike to the north and south. Although the alteration is cut off abruptly in the structural hanging wall to the Red Star horizon (Units 6 and 7), it does continue into the structural footwall rocks (Unit 9). The second altered unit, Unit 10 to the east, also has considerable sericitization associated with it. Sericitization is cut off in the structural footwall of Unit 10 and continues into the hanging wall; this is opposite to the situation at the Red Star showing.

Other sericitic horizons can be found in the map area. The Knob Hill showing rocks have abundant sericite resulting in the rocks having a "talcose feel." There is also pyrite-chalcopyrite-sphalerite mineralization associated with these rocks. This horizon extends from about 8+50N to 3+00N, just east of the 10+00W baseline. The continuity of the Knob Hill horizon cannot be established due to lack of exposure in the Knob Hill area. Several other small zones of intense sericitization can be found, notably at the Paw showing area and at the contact of Units 1 and 2 just east of the Knob Hill showing (3+00N/6+00E). Massive sulphide mineralization has not yet been identified within these altered rock occurrences.

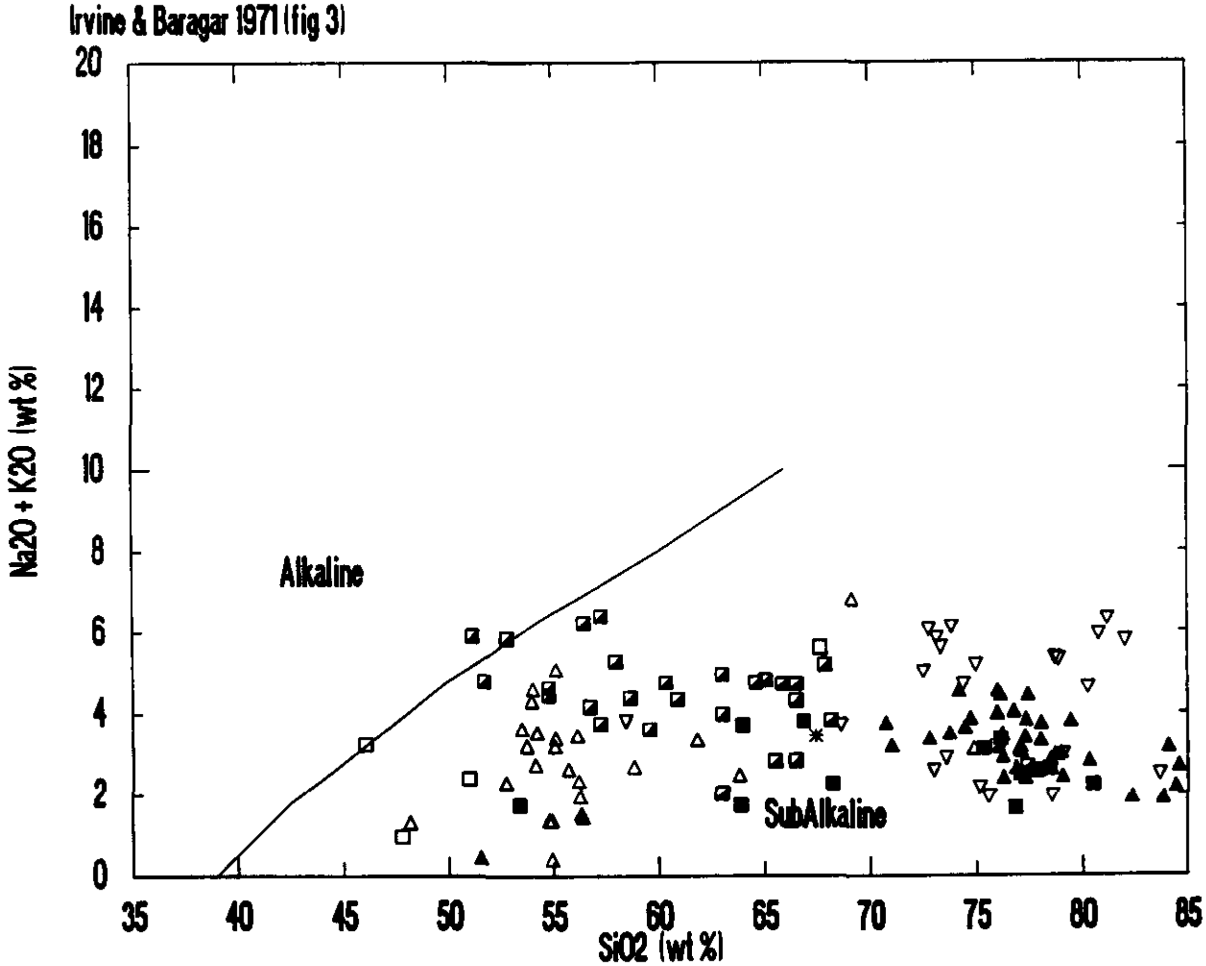


Figure 8: Alkaline-subalkaline plot for 1994 whole rock data from the Bell Creek property (Irvine and Baragar, 1971). The vast majority of the rocks plot well into the subalkaline field, possibly indicating some silica enrichment in more altered samples. The legend for rock unit symbols is found on Page 20.

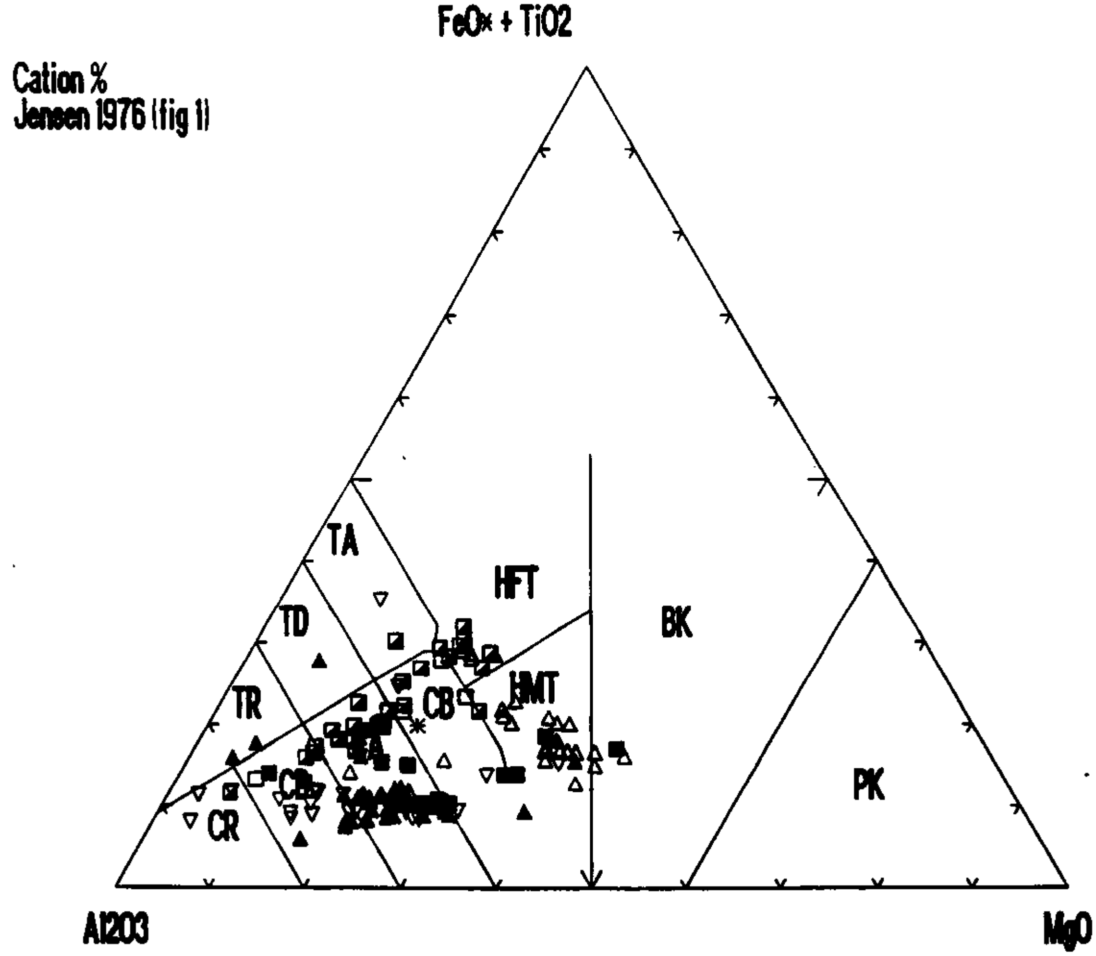


Figure 9: Jensen Cation Plot (Jensen, 1976) for the 1994 rock samples on the Bell Creek property. The plots define quite clearly a strong calc-alkaline trend within the volcanic rocks. The samples from Unit 9 plot well into the mafic fields, whereas the rocks of Units 10 and 11 are generally quite felsic (dacite and rhyolite). The legend for rock unit symbols is found on Page 20.

There are several lensoid quartz veins at the Paw showing. These veins locally contain massive bornite pods. The bornite does contain some precious metal content (see Table 2). Near the Paw showing, at 15+30N/4+75W, a small mineralized shear zone in mafic to intermediate volcanic rocks contains anomalous copper (577 ppm) and zinc (124 ppm) concentrations. Scattered malachite stains the rocks in this shear, which is less than 5 metres wide. The shear projects towards the area of quartz veins at the Paw showing. Numerous smaller showings, similar to the Paw, are scattered throughout the property. None of these occurrences have any real potential to be economic deposits.

Looking at the lithogeochemical data, the alteration index of Date *et al* (1983) works quite well, highlighting the alteration associated with mineralization in the Bell Creek rocks. The index is defined as:

$$(MgO+K_2O)/(MgO+K_2O+CaO+Na_2O)$$
(oxides in wt%)

It was developed for the Kuroko massive sulphide deposits in Japan and gives a qualitative measure of the extent of additions and subtractions of elements (K, Na, Ca, Mg) in rocks which may be anticipated in association with a massive sulphide hydrothermal system. The inclusion of the ratio of MgO to CaO is useful to distinguish less important carbonate alteration (low MgO/CaO) from Mg-silicate alteration (high MgO/CaO), which is more significant to volcanogenic massive sulphide deposit models. Additionally, the ratio of K_2O to total alkalis (including CaO) is commonly used in massive sulphide environments to determine zones of relative potassium enrichment and, particularly, sodium depletion. Figure 10 shows this Alteration Index, calculated for the Bell Creek samples, plotted versus the ratio K_2O/K_2O+Na_2O for 1994 samples.

It is important to note that the alteration models being considered here relate to footwall and/or feeder type zones. Massive sulphide mineralization commonly shows a very close spatial correlation to these types of alteration zones but is usually not exactly coincident. Consequently, the most strongly altered rocks generally have the highest copper and zinc concentrations.

The scatter shown in Figure 10 may result from different styles of alteration affecting the various rock units.

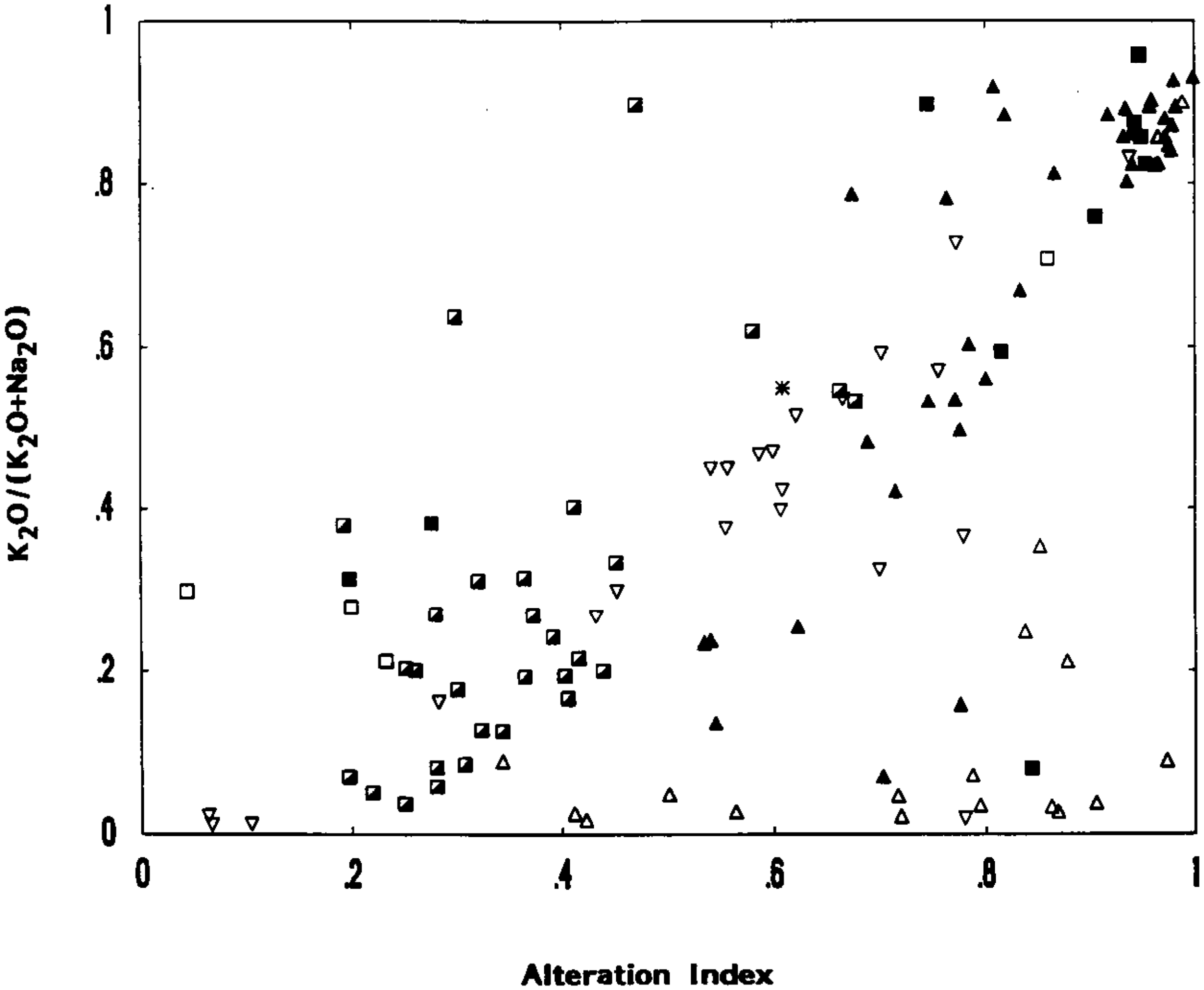


Figure 10: Plot of $K_2O/(K_2O+Na_2O)$ versus Alteration Index (see text) for 1994 sample data from the Bell Creek property. Note that all but two samples from Unit 8 (solid squares) display strong alteration, whereas samples from other units show more of a progression to the strongly altered field. Unit 6 samples are relatively unaltered. The legend for rock unit symbols is found on Page 20.

Barite is a significant component of the mineralization at the Red Star showing and so it is reasonable to expect that barium is a good indicator of mineralized alteration zones. However, the plot of Ba versus the A.I. (Figure 11) shows somewhat less than a direct relationship. The rocks which are significantly altered, as indicated by high A.I. values, generally contain more Ba. Some of the altered rocks have no apparent Ba enrichment. What this plot may be telling us is that Ba is a much more spatially restricted indicator of alteration than other indicators such as the A.I. and the ratio of K_2O/K_2O+Na_2O. Consequently, much of the variation in barium concentrations is related to rock type.

These diagrams serve to point out some of the anomalous characteristics of the altered schists in the Bell Creek area. The examination of numerous diagrams helps to avoid spurious results which may be due to factors such as dilution and/or leaching of elements during the course of alteration. No doubt there has been substantial volume change in the rocks of the Red Star area, but the relative changes in their abundance may still be interpreted. The rocks associated with the Red Star massive sulphide showing are anomalous in several aspects of their chemistry. Primarily they have anomalously high K_2O/Na_2O ratios, enriched SiO_2, Mg and Ba contents, depleted CaO content, and locally they have elevated sulphide content, most notably in the extensive pyritiferous schists. These characteristics can be located in rocks in other areas on the property. This suggests that other exploration targets are present.

5.0 DIAMOND DRILLING

A total of 1406.34 metres of diamond drilling was performed in five holes from October 21 to November 9, 1994 at the Bell Creek property. The drilling was done under contract by Beaupre Diamond Drilling, Box 153, Princeton, British Columbia. A Longyear 38 diamond drill was used to obtain NQ size core. Water required for the drilling was trucked by Gallant Water Hauling, Kamloops, British Columbia. Two hundred sixty-seven core samples were analyzed for copper, zinc, gold and barium in addition to other elements. As well, 132 of the cores were sent for whole rock analysis. All of the analyses were performed by Chemex Labs Ltd., 212 Brooksbank Avenue, North Vancouver, British Columbia. Drillhole logs are included as Appendix A and analytical results are included in Appendices C and D. Geotechnical logs of core recovery and rock quality designation are on file at the offices of Westmin Resources Limited, Vancouver, British Columbia.

Vancouver Petrographics Limited made thin sections of nine drill core samples, and also made polished sections of five drill core samples. The report on their petrographic examination forms Appendix B.

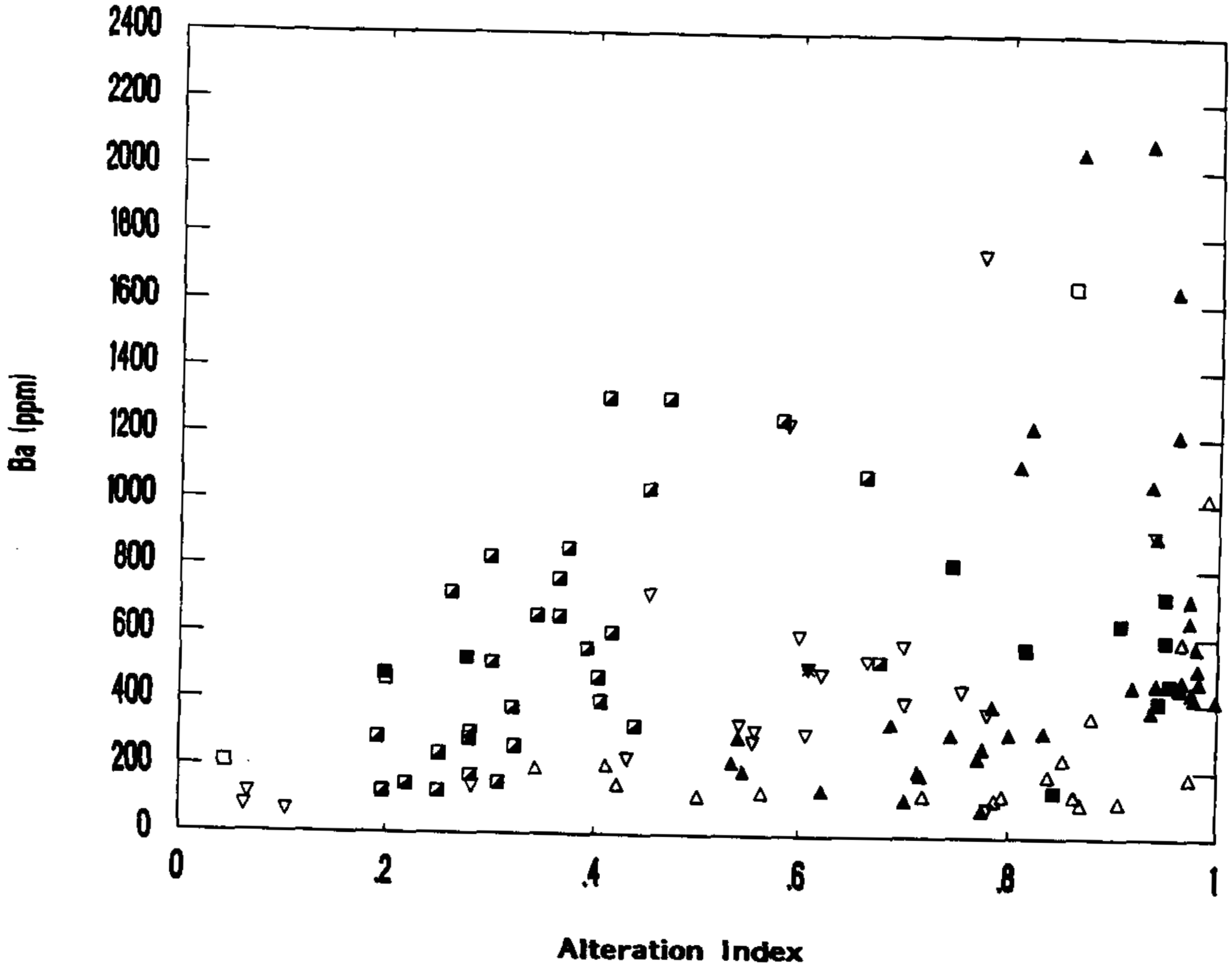


Figure 11: Plot of Ba versus Alteration Index (see text) for 1994 sample data from the Bell Creek property. The strongly altered rocks (high A.I.) have both high and average Ba contents. The samples containing the highest Ba content are also associated with Zn-Cu mineralization. What this plot may be demonstrating is that Ba is more directly associated with massive sulphide mineralization on the Bell Creek property than rocks with high A.I. values, which are from more widespread footwall alteration zones. The legend for rock unit symbols is found on Page 20.

Drillhole BC-94-01

Hole BC-94-01 was drilled 239.27 metres at an inclination of -45° to test three weak HLEM conductors with coincident copper and zinc plugger soil anomalies. The zinc anomaly is approximately 70 metres wide, and the copper anomaly approximately 40 metres wide. These plugger soil anomalies are underlain by Unit 10. Unit 8, the Red Star horizon, was also tested by the upper part of hole BC-94-01 (Figure 12). Cores from this hole contain up to 1,575 ppm zinc, 940 ppm copper, 105 ppb gold and up to 6,520 ppm barium. The rock units logged in the hole generally correlate quite well with the surface geology mapped during 1993 (Figures 1b, 12).

Pyrite is commonly disseminated throughout the hole, averaging say 1% of the rock volume.

Pyrrhotite occurs as wispy lenses in Unit 7; one pyrrhotite mass is 20 by 20 by 10 millimetres in size.

A lensoid chalcopyrite mass 22 by 6 millimetres, with an adjacent sphalerite mass 1 by 2 millimetres, occurs in a quartz vein at 181.15 metre depth in Unit 10c. This sulphide occurrence is downdip from the plugger soil anomalies. A band of Unit 10c(?) from 215.14 to 229.43 contains a few speckles and irregular masses of chalcopyrite up to 3 by 1.5 millimetres across.

Some of the faults logged in the lower part of the hole may be the source of the HLEM conductors; these faults are marked by clayey gouge and finely broken core 4 to 8 centimetres thick. Enough copper and zinc mineralization was intersected by the drillhole to explain the plugger soil anomalies.

Drillhole BC-94-02

This hole was drilled to test the stratigraphy downdip of hole BC-94-01. The hole is 266.70 metres long, and was drilled at an inclination of -60° from the same collar location as hole BC-94-01 (Figure 12). The rock units logged in hole BC-94-01 are generally present within hole BC-94-02. Cores from hole BC-94-02 contain up to 5,600 ppm zinc, 2,620 ppm copper, 40 ppb gold and up to 5,070 ppm barium.

As in hole BC-94-01, speckles of chalcopyrite and sphalerite occur in Unit 10c in hole BC-94-02 (Figure 12). Both chalcopyrite and sphalerite form up to 0.25% of the rock volume, which is adequate to explain the plugger soil anomalies.

Several shears and faults were logged in the lower part of the hole. These may be the source of the weak HLEM conductors.

Drillhole BC-94-03

This hole was drilled to test an area 365 metres north along strike from drillholes BC-94-01 and BC-94-02 (Figure 1b). Weak plugger soil zinc and copper anomalies, and a weak HLEM anomaly, were tested by hole BC-94-03. The hole was drilled 284.37 metres at an inclination of -45° (Figure 14). The surface geology of this area is less well known due to the presence of overburden. However, the rocks within the upper half of the hole correlate well with surface mapping. Cores from hole BC-94-03 contain up to 594 ppm zinc, 653 ppm copper, 240 ppb gold and up to 1,370 ppm barium.

Blebs and elongate lenses of chalcopyrite up to 1.5 millimetres across occur in the upper part of hole BC-94-03 (Figure 14, Appendix A). Two percent purple sulphide (bornite?) as rectangular masses to 2 by 4 millimetres occurs across 4 centimetres in a white quartz vein at 168.16 metre depth.

The rocks in this hole do not contain as much pyrite as seen in holes BC-94-01 and BC-94-02 to the south. Only local traces of disseminated pyrite are present below 80 metre depth.

A few faults logged in the vicinity of the weak HLEM conductor may be the source of this conductor. These faults are marked by up to 30 centimetres of gouge and finely broken core.

Drillhole BC-94-04

Hole BC-94-04 was drilled to test the Red Star horizon where HLEM conductors and narrow zinc and copper plugger soil anomalies are present. The hole was drilled 252.98 metres at an inclination of -60°, downdip and behind hole BC-94-03 (Figure 14). Cores from hole BC-94-04 contain up to 284 ppm zinc, 242 ppm copper, less than 5 ppb gold and up to 1,490 ppm barium.

The upper part of hole BC-94-04 passes through a magnetic high (Figure 17). Core from the hole contains up to 1% disseminated magnetite over 3.38 metres from 60.71 to 64.09 metre depth, and up to 0.5% disseminated magnetite from 80.78 to 90.72 metre depth. The magnetite seen in the drill core is enough to explain the observed magnetic high. A strong HLEM conductor straddles the contact between Unit 6a and Unit 8b where hole BC-94-04 was drilled.

A chalcopyrite mass 10 by 3 millimetres is present in a white quartz vein at 110.07 metre depth. Elongate lapilli(?) 7 by 40 millimetres and 5 by 35 millimetres contain 30% pyrite and 2% sphalerite(?) at 186.97 metre depth; this is the only place where lapilli with high sulphide content were seen. Disseminated pyrite and sphalerite are present from 193.92 to 215.70 metre depth; this zone includes a band of disseminated pyrite and sphalerite 25 millimetres wide at 196.53 metre depth.

Some of the faults cored in hole BC-94-04 may be the source of the HLEM conductors tested.

Drillhole BC-94-05

Hole BC-94-05 was drilled to test a zinc plugger soil anomaly and two HLEM conductors. The Red Star horizon, Unit 8, was also tested by this drillhole. The hole was drilled 363.02 metres at an inclination of -65° (Figure 13). Cores from hole BC-94-05 contain up to 236 ppm zinc, 477 ppm copper, 50 ppb gold and up to 940 ppm barium.

One of the HLEM conductors tested by hole BC-94-05 coincides with the surface trace of Unit 7 which in the hole contains shiny black graphite coating fracture surfaces. This graphite is likely the source of the HLEM conductor. A second, weak HLEM conductor over the lowermost part of the hole may be due to three faults from 310 to 320 metre depth marked by up to 25 centimetres of finely broken core and sericitic gouge.

Local traces of chalcopyrite occur as fine specks up to 0.5 by 2 millimetres in the upper part of the hole. The argillite cored from 85.59 to 99.01 contains 0.5% pyrrhotite and 2% pyrite. A few, local traces of finely disseminated pyrite and chalcopyrite occur in the lower part of hole BC-94-05.

In summary, rock units logged in all five drillholes show that the rocks dip to the west as predicted by surface geological mapping. No massive sulphide bodies were intersected. The highest copper and zinc analyses were obtained from drillholes BC-94-01 and BC-94-02, which are closest to the old Red Star underground workings.

6.0 SOIL GEOCHEMISTRY

6.1 Knob Hill Grid

Magnetic surveys completed in 1993 and 1994 indicated that the favourable volcanic rocks which host the Knob Hill occurrence may extend to the north and south of the showing. A VLF conductor is also present along strike from the Knob Hill occurrence, in the northern part of the Knob Hill Grid area. The Knob Hill ridge is covered by a veneer of glacial material with sparse outcrop exposure. Consequently, soil sampling was done to attempt to trace the strike extension of the mineralization found in trenches at the Knob Hill showing. Due to relatively poor soil profile development in this area, soil samples were taken at 50 to 100 centimetre depths in an attempt to reach "C" Horizon material. The 1994 Knob Hill soil sampling survey is essentially an extension of the limited survey done in 1993. Analytical results form Appendix E. Statistical analyses for all elements can be found in Appendix F; the statistical analyses incorporate 1993 results. Selected results from the 1994 soil geochemical survey are presented in Figures 15a to 15f.

The survey has outlined a narrow zone of anomalous copper and zinc concentrations. The A.I. is the ratio of (Mg+K)/(Mg+K+Na+Ca) with all elements in percentage. An A.I. anomaly extends about 1,300 metres from about 3+00N/9+00W to 16+00N/11+25W. This anomaly is 25 to 100 metres wide and trends about 170°. Anomalous copper and zinc concentrations are found primarily at the southern end of this feature, although they are also present along strike to the north. The main copper and zinc anomaly extends from 3+00N/9+00W to 12+00N/11+00W. Within this area copper concentrations range up to 414 ppm and zinc concentrations range up to 1,170 ppm. This anomaly also coincides with a strong barium anomaly with concentrations up to 2,220 ppm. Anomalous barium concentrations form a weak feature parallel to the A.I. anomaly further north. Although there is a small area of anomalous copper and zinc concentrations associated with the projection of the massive pyrite-minor chalcopyrite seam in the Knob Hill adit, the highest copper, zinc and barium concentrations are found a couple of hundred metres to the south. The surface trenches in the southern area apparently did not reveal any bedrock mineralization. However, a 1967 drillhole by Spenho Mines Ltd. intersected "heavy" sulphides on the downdip projection of the stratigraphy underlying this soil anomaly. Unfortunately, assay results for this intersection are not available.

Another area of anomalous base metals in soil is found about 400 metres to the east of the Knob Hill trend. This feature is primarily a zinc anomaly with no associated anomalous copper or A.I. values. The zinc anomaly extends from 2+00N/5+00W to 8+00N/6+50W, is 50 to 75 metres wide, and is open to the south. Zinc concentrations within the anomaly range up to 978 ppm but copper concentrations are generally low; one soil sample had 208 ppm copper. The underlying geology is poorly exposed, although minor sericite-chlorite alteration is apparent locally. Several outcrops of quartz eye dykes (Unit 21e) occur in the vicinity; these were formed late in the geologic history of the Knob Hill area. It is possible that these felsic dykes are the source of the zinc anomaly although the rocks themselves do not appear to have an elevated zinc content.

6.2 Roche Grid

The Roche Grid area was also soil sampled in 1994. This grid area is located within the Roche Claim. The Roche Grid soil sampling survey was designed to test for both base metal, massive sulphide mineralization associated with felsic volcanic rocks mapped in this area, and for gold-copper mineralization associated with the numerous quartz veins in the area (MinFile occurrence Roche, No. 92HSE068). The multi-element analytical package used for the Knob Hill samples was used for the Roche Grid soils, except that the Roche Grid samples were also analyzed for gold. Analytical results can be found in Appendix E, and selected results have been plotted on Figures 16a to 16d.

The analytical results for copper and zinc show an anomalous zone striking approximately 175 to 180° between 16+25E and 17+50E, and extending from 15+00N to 18+00N. Within this area copper concentrations range up to 520 ppm and zinc concentrations up to 370 ppm. There are also two highly anomalous gold results of 2,020 ppb and 210 ppb at 17+25E and 17+00E on Line 15+00N. These are the only two significant gold results on the grid and come from soils taken near the rock dump from trenches and from an adit on a mineralized quartz vein.

This same zone is also locally anomalous in barium with concentrations up to 1,720 ppm, relative to a background of around 600 ppm. Soils at the northwestern Roche Grid area commonly have barium concentrations in excess of 900 ppm. This barium anomaly is likely due to barium in the underlying Princeton Group volcanic rocks.

The Alteration Index results for Roche Grid soils do not show any definite pattern. However, there is an area of moderately to strongly anomalous results just west of the copper and zinc anomalies from 15+00N to 19+00N. The lack of outcrop here makes it difficult to determine the source of this diffuse anomaly. Outcrop on Line 15+00N does not appear to be sericite- or chlorite-altered; sericitization and chloritization are commonly associated with anomalous Alteration Index results at Red Star and Knob Hill grid areas. There is no significant calcium or sodium depletion in this part of the Roche Grid either; this depletion is commonly found in altered zones on the other grids.

The generally weak copper, zinc and Alteration Index anomalies at the Roche Grid indicate that the area is not as prospective for mineralization as other areas of the property.

Statistical analysis of the data from this soil survey is included in Appendix F. The small size of the soil sampling grid in this area and the extensive drift cover makes it difficult to assess the significance of these anomalies, and to correlate them with the underlying geology.

7.0 GEOPHYSICAL SURVEY

A limited magnetometer/VLF survey covered the southwestern and the northwestern portions of the Knob Hill Grid during 1994. A total of 10.175 line-kilometres was surveyed using an EDA Omni instrument. The survey was performed by Delta Geoscience Ltd. of Delta, British Columbia; survey results are shown in Figures 17 and 18.

7.1 Magnetometer Survey

A couple of features stand out in the magnetometer survey results (Figure 17). The most prominent magnetic feature is the strong susceptibility of Unit 5. This unit has such a strong magnetic response that it may be masking more subtle features alongside. The response of this unit is presumably due to remnant(?) magnetism in the hematitic cherty sediments which extend along the entire strike length of the unit. The magnetic trace does closely approximate the overall geological trend on the property. The magnetic contours indicate that Unit 5 likely extends to the northwestern corner of the Knob Hill Grid area, beyond Line 17+00N where it has been mapped from surface exposures.

A portion of the Eagle Plutonic Complex in the southwest corner of the Knob Hill Grid area appears to have a high magnetic susceptibility.

7.2 VLF Survey

The VLF survey was performed using the transmitting station NPM located at Hawaii, U.S.A. This station transmits on a frequency of 23.4 kHz. The VLF profiles are plotted on Figure 18.

The VLF conductor seen on Line 17+00N at 3+60W in the 1993 survey results extends northwards to 18+00N/3+50W, and to 19+00N/3+50W (Figure 18).

A couple of weak conductors are present in the northwestern corner of the Knob Hill Grid area.

The VLF conductors roughly subparallel the stratigraphy and may be caused by faults or perhaps stratigraphic units.

8.0 CONCLUSIONS

Previous work has indicated that mineralization on the Bell Creek property is volcanogenic massive sulphide style hosted by rocks in a calc-alkaline arc tectonic setting (Assessment Report 22934; Jones, 1994). The local geology contains abundant felsic volcanic units, including pyroclastics, porphyritic flows and possibly intrusions. The felsic volcanic units in the Red Star area commonly have abundant quartz and feldspar phenocrysts and have quite a high zirconium content, indicative of evolved igneous rocks. The main showing on the property, the Red Star showing, is a massive sphalerite-pyrite-chalcopyrite (zinc-copper) lens, reflecting the apparently evolved nature of its host rocks. The geology and geochemistry of the Bell Creek property suggest an evolved igneous setting which is characteristic of Kuroko-style zinc-lead-copper or zinc-copper massive sulphide bodies. Silica, magnesium and barium enrichment, in conjunction with sodium and calcium depletion, are all alteration features commonly found associated with Kuroko and other felsic volcanic hosted VMS deposits (Franklin and Duke, 1991). As this report and Jones (1994) have shown, these are also characteristics of the mineralized zones on the Bell Creek property, indicating significant deposits of this type may be present.

The rock and soil geochemical surveys, in conjunction with detailed geological mapping, have outlined strongly altered areas presumably related to mineralizing hydrothermal systems. The strongest alteration is in the vicinity of the Red Star showing. The rocks at the Red Star showing area have a favourable geologic setting, anomalous zinc-copper concentrations, calcium and sodium depletion, barium enrichment and high A.I. There are two centres of mineralization indicated by soil geochemistry in this area (Anomalies A and B). The horizon hosting the Red Star occurrence is strongly mineralized, and so are the rocks along the contact between Units 10 and 11 about 100 metres east of the Red Star showing. Both of these altered horizons are attractive exploration targets. It is possible, given the abundant evidence of folding in this area and the spatial distribution of the alteration zones (particularly the "footwall" alteration shown by calcium, sodium and the A.I.), that these two horizons are on opposing limbs of a (antiformal?) fold.

The alteration zone in the northwest part of the 1993 plugger sampling survey area may represent a distal part of the Red Star zone.

Other targets are presented by the geological and geochemical surveys, in particular the Knob Hill showing. Soil sampling and mapping have shown that the alteration and mineralization associated with the Knob Hill zone extend at least 500 metres south of the main showing. A lack of outcrop exposure limits conclusions about the geology to the north; soil sampling in this area indicates that the Knob Hill zone extends about 400 metres northwest of the surface showings, although magnetic and VLF results suggest that the Knob Hill horizon projects beyond the northern end of the soil anomaly. A zinc and copper in soil anomaly in the southeastern corner of this grid is open to the south. Additional lower priority alteration zones were identified during earlier work at Knob Hill area.

The generally weak copper, zinc and Alteration Index anomalies at Roche Grid indicate that the area is not as prospective for mineralization as other areas of the property. The geochemical soil anomalies in the Roche Grid area appear to parallel the stratigraphic trend of the underlying rock units. Extensive overburden makes these anomalies difficult to evaluate.

Deformation, both shearing and folding, are important aspects of the mineralized felsic horizons on the Bell Creek property. The dominant foliation seems to be an axial planar feature related to tight isoclinal folding within the stratigraphy. These folds can be seen on both the microscopic and outcrop scale. Lineations indicate a relatively flat plunging elongation fabric in the plane of the foliation. These structural features likely exert strong control on the distribution and orientation of any mineralized bodies. Resolution of the structural complexity at Bell Creek is paramount to directing further exploration for additional massive sulphide bodies of the type observed at the Red Star showing.

9.0 RECOMMENDATIONS

A significant volcanic-hosted massive sulphide deposit may be present on the Bell Creek property. The areas of highest potential are near the Red Star showing, and on the eastern limb of the presumed antiformal fold. The old adits should be located and rehabilitated for re-examination where possible. A detailed structural study of the Red Star showing area would allow projection of mineralized zones and soil anomalies to depth for drill targets. Connecting mineralized zones from surface to underground, if possible, will go a long way to solving the structural complexities apparent at surface. Diamond drilling should be done to test the known mineralized and altered horizons at depth immediately adjacent to, and south of, the Red Star showing. Borehole electromagnetic surveys should also be performed on all holes drilled to test for massive sulphides in the vicinity of drillholes. As well, an attempt should be made to perform a borehole EM survey on the 1994 drillholes; casing was left in the top of hole BC-94-05.

Other drill targets are indicated at the Knob Hill showing. Soil sampling and mapping have shown that the alteration and mineralization associated with the Knob Hill zone extend at least 500 metres south of the main showing. A lack of outcrop exposure limits conclusions about the geology to the north; soil sampling in this area indicates that the Knob Hill zone may extend about 400 metres northwest of the surface showings. Zinc and copper in soil anomalies in the southeastern corner of this grid are open to the south; both this area and the southward extension of the Knob Hill zone should be tested by diamond drillholes.

Followup soil sampling covering a larger area within the Roche Grid is recommended to better define significant anomalies.

The area between the Similkameen and Pasayten rivers should also be covered by geochemical and geophysical surveys. The surveys in this area should definitely cover the southerly projection of the Red Star horizon across the Similkameen River. Survey lines spaced 200 metres apart should be sufficient as a first pass. Biogeochemical sampling may be the best way to obtain a sample representative of a large volume of soil, thereby increasing the chances of discovery. This is especially true in drift-covered areas such as the ridge between the Similkameen and Pasayten rivers.

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11.0 STATEMENT OF EXPENDITURES

MAY 15 TO JUNE 18, 1994 EXPENDITURES		
Personnel		
Murray Jones, Project Geologist, $291 per day Preparation, contractor supervision, liaison (5.5 days)		1,600.50
Contractors		
Contractors		
Linecutting, May 15 to 31, Hendex Exploration Services Ltd., 4 km at $500 per km	2,000.00	
Soil sampling, May 15 to 31, Hendex Exploration Services Ltd., 15.5 days	3,333.00	
Geophysical, Delta Geophysics Ltd., Mag/VLF, June 15 to 18	2,800.00	
Total contractors		**8,133.00**
Analytical Work		
Soil sample analysis, Chemex Labs Ltd. 508 soil samples at $8.29 each		4,211.32
General Costs		
Materials and supplies	134	
Travel costs/meals	29	
Auto - gas	53	
Delivery	44	
Total general costs		**260.00**
Total expenditures, May 14 to June 18, 1994		**14,204.82**

SEPTEMBER 21, 1994 TO MARCH 10, 1995 EXPENDITURES		
Personnel		
Murray Jones, Project Geologist, $291 per day Preparation, contractor supervision (6.5) days Fieldwork, October 16 to November 15, 1994 (21 days) Data management, map preparation, interpretation (6.5 days) Report (3 days)	10,767.00	
Dave Pawliuk, Geologist, $232 per day Fieldwork, October 16 to November 15, 1994 (16 days) Data management, map preparation, interpretation (10.3 days) Report (5 days)	7,261.60	
Vince Peckham, Field Assistant, $145 per day Preparation and fieldwork (33 days)	4,785.00	
Total personnel		**22,813.60**
Contractors		
Soil sampling, Reclamation, Hendex Exploration Services Ltd.	1,290.00	
Diamond drilling, Beaupré Drilling Ltd.	72,933.00	
Water hauling, Gallant Trucking Ltd.	10,505.00	
Total contractors		**84,728.00**
Analytical Work		
Soil samples, Chemex Labs, ICP 24 + Au 141 samples at $15.55 each		2,192.55
Drill core samples, Chemex Labs, ICP 24 + Au 267 samples at $18.53 each plus tags		4,947.51
Whole rock samples, Chemex Labs 132 samples at $24.41 each		3,222.12
Petrography, Vancouver Petrographics		1,412.50
Total analytical work		**11,774.68**

General Costs		
Camp expense	1,361.00	
Materials and supplies	2,856.00	
Rentals	479.00	
Repairs	244.00	
Delivery/trucking	169.00	
Accommodation/meals	1,319.00	
Auto		
Gas	824.00	
Rental	2,300.00	
Telephone	197.00	
Drafting	1,901.00	
Field office/work space rental	350.00	
Computer costs	213.00	
Office (including support staff charges, word processing, report collation, reproductions, etc.	7,286.71	
Total general costs		**19,499.71**
Total expenditures, September 21, 1994 to March 10, 1995		**138,815.99**
Grand total (rounded)		**153,020.00**

12.0 STATEMENT OF QUALIFICATIONS

I, David J. Pawliuk, of Nanoose Bay, in the Province of British Columbia, hereby certify that:

1. I reside at R.R. 2, Box 133, Garry Oaks, Nanoose Bay, British Columbia, V0R 2R0.

2. I received a B.Sc. in Geology from the University of Alberta, Edmonton, Alberta in 1975.

3. I am registered as a Professional Geoscientist with the Association of Professional Engineers and Geoscientists of the Province of British Columbia.

4. I am registered as a Professional Geologist with the Association of Professional Engineers, Geologists and Geophysicists of the Province of Alberta.

5. I have practised geology in Canada since 1975.

6. I directly performed a portion of the work described in this report.

DATED this 10th day of March, 1995 at Vancouver, British Columbia.

David J. Pawliuk, B.Sc., P.Geo.

12.0 STATEMENT OF QUALIFICATIONS

I, Murray I. Jones, of the Municipality of Surrey, in the Province of British Columbia, hereby certify that:

1. I am registered as a professional geoscientist with the Association of Professional Engineers and Geoscientists of the Province of British Columbia (registration #20063), residing at 8606 - 144A Street, Surrey, British Columbia, V3S 2Y2 with a business address at #904 - 1055 Dunsmuir Street, P.O. Box 49066, The Bentall Centre, Vancouver, British Columbia, V7X 1C4.

2. I graduated with a B.Sc. (Honours) in Geology from the University of British Columbia, Vancouver, B.C. in 1982 and with a M.Sc. in Geology from the University of Ottawa, Ottawa, Ontario in 1992.

3. I am an associate member of the Geological Association of Canada.

4. I have practised geology in Canada from 1979 to 1995.

5. I directly performed or supervised the work which is described in this report.

DATED this 10th day of March, 1995 at Vancouver, British Columbia.

Murray I. Jones, M.Sc., P.Geo.

APPENDIX A

DIAMOND DRILLHOLE LOGS

~~PAMICON~~ Westmin
DEVELOPMENTS LIMITED

DRILL LOG

PROJECT Bell Creek	**GROUND ELEV.**
HOLE NO. BC-94-01	**BEARING** 090° T
LOCATION 12+55 N, 0+70E — approx.; not surveyed	**~~DIP~~** inclination −45° collar
	TOTAL LENGTH 785 ft 239.27 m
LOGGED BY David Pawliuk	**HORIZONTAL PROJECT**
DATE October 21→ /94	**VERTICAL PROJECT**
CONTRACTOR – Beaupre Drilling, Princeton B.C.	**ALTERATION SCALE**
CORE SIZE NQ	
DATE STARTED Oct. 20/94	**TOTAL SULPHIDE SCALE**
DATE COMPLETED Oct. 22/94	
DIP TESTS acid −44° @ 570′ (173.74 m); acid −44° @ 785′ (239.27 m)	
COMMENTS First hole of programme. Mainly schistose, chlorite-rich, foliated rock in upper part of hole. Core generally moderately broken with numerous buttons only a few mm thick; good core recovery however.	**LEGEND**

ALTERATION SCALE

absent
slight
moderate
intense

TOTAL SULPHIDE SCALE

traces only
< 1%
1% – 3%
3% – 10%
> 10%

PAGE 1 OF 11 PROJECT: Bell Creek HOLE NO. BC-94-01

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A chl	B ser	C qtz	D carb	E biot	FRACTURE INTENSITY	% VEIN QTZ.
0				0.00 – 5.18 CASING							
1				5.18 – 8.30 SERICITE SCHIST/ASH TUFF							
				Light grey & light greenish grey with local bands both medium grey and pale							
2				grey colour. Mostly very fine grained with silt-sized clasts. Unit interbanded on							
3				cm scale with coarser clasts to 0.75 mm across in coarser grained (fine sand							
4				size) bands. Interbanding primary feature.							
5				Foliation @ 75-85°. Moderately broken: dk brown to yellow lmnt on fracture sfcs. Discrete contact @							
6	75°			80° w. underlying unit. Interval darker more grey above ~6.80 m where more argillaceous.							
7	80			fault, f. bkn, crushed core across 2 cm; lapilli to 20×5 mm.							
8				8.30 – 10.95 TUFF. Light grey with local greenish tinge; brown limonite stain common.							
9				Unit coarse grained to 9.65 m with larger grains av. 1 to 1.5 mm: occ. lapilli to 10 mm.							
10				Med.→f. gr. 9.65 to 10.95. Moderately foliated; gradational contact across few cm w. underlying unit.							
11				Chlorite light green colour.							
				10.95 – 13.76 ARGILLITE Steel grey to							
12				black, fine grained, finely foliated with faint							
	35			laminae on mm scale.							
13				watery grey contorted qtz vlt 1.5 mm wide; vlt has							
14				been affected by pervasive foliation @ 75°.							
	qtz			13.76 – 20.42 QUARTZ-SERICITE-							
15	carb 50			CHLORITE-PYRITE SCHIST. Pale grey-green with occ. light grey bands.							
16				Fine grained with subround bluish qtz eyes to 2 or 3 mm across. The qtz eyes form							
17	20 PY			about 2 or 3 % (locally 5%) rock. Rock harder, more competent than adjacent							
18	45			units. Occ. off-white, rounded, alted & soft feldspar (?) grains to 2 mm <1%.							
19				Folded qtz vn 5 mm wide @ 45°.							
				Schist has fault contact with underlying argillite.							
20				3 cm crushed, f bkn core and clayey(?) sericite; cannot obtain orientation.							
21	? 75 PY			20.42 – 37.98 PYRITIC ARGILLITE							
				Black to medium brownish grey to local light							
22	calc			green grey, moderately to intensely foliated and laminated on a mm scale. Shiny							
				black graphite often present along slips. (cont)							

 PROJECT: Bell Creek HOLE NO. BC-94-01

MINERALIZATION DESCRIPTION

Pyrite as small, brown irregular spots finely disseminated. Rare subhedral xtals to 2 mm across. Sulphide usually partly coated with brown limonite – there may be fine pyrrhotite present but rock not magnetic where tested.

5

7.5

Pyrite ~~margillite~~ as elongate lenses up to 1.5 mm wide X 6 mm long, as well as v. f. diss.

12.5

15 Poss. reddish brown sphalerite f. diss. @ 15.1 m depth.

16 Py as irregular masses with faint boundaries; masses somewhat oriented

17.5 parallel foliation ∠ ≈ 80°; masses av. say 1.5 x 4 mm. Py also in vlts up to 2 mm wide along fractures from 40° to subparallel c.a. (most ∠ ≈ 25°).

Pyrite as wispy bands up to 2 mm wide parallel foliation, finely diss and as irregular

22.5 m randomly oriented vlts up to 3

FROM	TO	WIDTH	SAMPLE NUMBER	Zn ppm	Cu ppm	Au ppb	Ba ppm
13.45	whole	rock	443211				
13.76	15.26	1.5	942501	66	9	<5	420
15.26	16.69	1.43	942502	64	11	<5	680
16.69	17.37	0.68	942503	82	29	<5	820
17.37	18.87	1.5	942504	62	11	<5	450
18.70	whole	rock	443212				
18.87	20.42	1.55	942505	62	11	<5	530

 PROJECT: HOLE NO. BC-94-01

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A chl	B ser	C qtz	D carb	E biot	FRACTURE INTENSITY	% VEIN QTZ.
23				carb vlts within bkn vn qtz in argl band. ~12°; 1.5 cm gouge + f. bkn core							
				Argillite friable, often moderately broken into irregular pieces 5 or 6 cm across or buttons.							
24				Foliated pale grey calcite vlts to 3 mm wide tightly folded (?) @ 21.79 w. axial plane @ 80° to c.a.							
25				Fine grained, foliated intermediate schist bands from 20.55–20.84, 22.92–23.77.							
26				Graphitic slips and partings throughout argillite mostly @ ≈73° to c.a.							
27				Ground core 24.38–26.52; fault; ? orientation.							
28				Argillite moderately to weakly magnetic below about 27.70 m; pyrrhotite present.							
29		30°, 60°, ?		Sheared finely crushed core along contact with underlying schist; contact discrete, sharp otherwise.							
30											
31											
32				70° Fault; 7 cm finely bkn graphite-rich (80%) core; black.							
				~50° Fault; 5 cm grey pyritic gouge + f. bkn core.							
33				Below 33.10 say 40% grey siltstone							
34				Foliation 75°. interbeds.							
35		30°		10°; 2.5 cm gouge + f. bkn with vn qtz pieces.							
				subhedral py cubes to 3 mm							
36				po-qtz-py vn w. cp(?) + moly??							
				37.98–42.45 SERICITE-QUARTZ-							
37			75°	CHLORITE-PYRITE SCHIST. Pale							
				greyish green with local light grey bands above							
38				38.97. Soft, foliated and sheared rock. Earlier							
				qtz vns watery grey, sheared; later qtz vns							
39		85°		white with minor brecciation or shearing.							
				S1?							
40											
41											
				42.45–45.08 MAFIC VOLCANIC/CHLORITE SCHIST.							
42				Dk green, fine gr., lensoid bands usually few mm							
		60°		~S1(?) wide. Late, white, somewhat bkn qtz vns throughout							
43		50°		comprise say 10% rock volume. Cab traces as							
				qtz vn 27 cm wide. local hairline vlts. More py than in							
44		75°		adjacent units. Fault contact w.							
				qtz vn 3 cm wide w. clots dk brown v. fine biot(?). underlying unit, with 25 cm f. bkn core & gouge @ 45°. Not magnetic rock.							
45		45°		45.08–57.43 SERICITE-CHLORITE-QUARTZ-SCHIST.							
46				Light greyish green, medium grained.							

PAGE 2a OF 11 PROJECT: HOLE NO. BC-94-01

Depth	MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS Zn ppm	ASSAYS Cu ppm	ASSAYS Au ppb	ASSAYS Ba ppm
23										
25.5										
	Po below 27.70 m mainly as wispy									
-8	lenses parallel foliation.		28.00	29.50	1.5	942506	94	120	<5	640
	29.87 spot of py 6X12 mm on		31.00	32.50	1.5	942507	98	112	<5	240
	graphitic slip.									
	Cp? speck 0.5 mm in po lens 1X8									
	mm parallel fol @ 31.97 m.									
32			33.32	whole	rock	443213				
			34.50	36.00	1.5	942508	82	84	<5	470
	35.73 po mass ≈ 20 mm X 20									
	mm X 10 mm along po (60%) -									
	qtz (30%) - py (10%) vn av. ≈ 6									
	cm wide at 30°. Speck cp (?)									
	seen. Also moly ??									
	37.98 - 42.45 Py finely diss,									
38	as bright subhedral xtals to 0.5 mm,									
	and in irreg. lensoid masses									
	subparallel foliation.									
	Sp? specks with py in									
40	banded qtz vn @ 40.80		40.26	41.76	1.5	942509	18	4	<5	420
41										
42	10% py across 5 cm @ 42.74.		42.75	whole	rock	443214				
	py in chl schist as subhedral bright		42.45	44.00	1.55	942510	92	13	<5	240
	cubes to 4 mm and also									
	finely diss. Occ. irregular									
	lenses esp. near margins of									
	qtz vns.									
46										

PAGE 3 OF 11 | PROJECT: | HOLE NO. FC-94-01

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A	B	C	D	E	FRACTURE INTENSITY	% VEIN QTZ.
			yellow green ep [illegible] qtz vn 1.5 cm ∠ 60°.	and granular, [illegible] foliated [illegible] banded on mm scale to about 57.43							
47				Below 57.43 [illegible] chlorite ~~and~~ rock not as banded, [illegible] silicified rock [illegible] the above							
48		35°									
49			57.43–75.96	SERICITE – QUARTZ – CHLORITE SCHIST							
			4 mm gouge.	Light grey-green med. gr. very moderate foliation. Granular rock. Sericite on fracture sfcs has a shiny lustre & feels greasy like talc; Hydrothermal(?)							
50		40°									
51			3 cm f. bkn pale green gouge; 5% [illegible] brown [illegible] in rock, [illegible] fault.	Larger grains [illegible] 1 to 2 mm across [illegible] generally have faint [illegible] grains. Numerous faults throughout marked by few mm.							
52		40°									
53		62°	20 cm f. bkn and gouge.	pale greenish grey gouge w. f. bkn core, usually ∠ ≈ 60°. Gradational contact over 1→2 m w. overlying unit.							
54			white qtz vn 1.5 cm wide								
55											
56											
57		70°	S1(?)								
58				Gradual decrease in chl content with increasing depth.							
59				Chlorite light green v. fine grained occurs as faint elongate lenses or lamellae ~~[illegible]~~ av. few mm in length. Sericite coarser grained, as flakes along partings parallel foliation.							
60											
61											
62				Occassional small bluish grey qtz eyes (max say 1.5 mm) throughout; these increase in size & abundance with depth							
63											
64											
65			65° 3 cm. gouge								
66											
67											
68											
69		78°	S1(?)								

PAGE 3a OF 11 | PROJECT: | HOLE NO. BC-94-01

Depth	MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS Zn ppm	ASSAYS Cu ppm	ASSAYS Au ppb	ASSAYS Ba ppm
46										
	Pyrite as briant f. diss specks									
48	of <0.5 mm, local subhedral									
	xtals to 2 mm in sheared									
	qtz vns.									
	Earlier, sheared qtz vns									
50	in hole more mineralized		50.00	51.50	1.50	342511	30	1	<5	670
	with sulphides than									
	latest qtz vns.									
52										
54			54.59	whole	rock	443215				
56										
58										
	Gradual decrease in py									
	content with increasing									
	depth; py as bright, very									
60	finely diss specks at <0.5									
	mm across.									
62										
64										
			68.20	whole	rock	443221				
68										

 PROJECT: HOLE NO. 3C-94-01

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE		GEOLOGICAL DESCRIPTION	ALTERATION A chl	B ser	C qtz	D carb	E biot	FRACTURE INTENSITY	% VEIN QTZ.
69				67.43-75.96	SERICITE - QUARTZ - CHLORITE							
70					SCHIST CONTINUED							
					Relatively sharp contact gradational							
71					over a few cm with underlying							
					unit.							
72												
73			80	3 cm greenish white gouge + f. bkn core.								
74				75.96-84.12	CHLORITE - QUARTZ SCHIST							
75			77		Medium greenish green to dark green							
				6 cm white qtz vn.	fine to medium grained moderately to							
76					intensely foliated. Weakly grey vein qtz							
					porphyroblasts as lensoid augen formed							
77					by deformation and breakup of qtz							
					vns in unit. Foliation mostly ≐ 80°.							
78					Say 10 → 15% vein qtz.							
79												
80				13 cm white qtz vn @ 67°.								
81			85	7 cm qtz([illegible])	- chl (2%) - py (5%) vn.							
82				84.12-85.50	FAULT ZONE. Intensely brecciated							
83			85	S1(?)	+ finely broken with soft, gouge-rich							
					core throughout. Bx'd vn qtz bands							
84					often contain up to 25% pistachio green							
					epidote. Fault @ about 70°.							
85				ep bands to 2 mm								
86				85.50-90.02	CHLORITE SCHIST Very dark							
					green moderately to locally intensely							
87					foliated and bx'd @ faults. Say 3%							
					max vn qtz vs 10+% above							
88			50		fault zone.							
89				15 cm gouge + f. bkn core.								
			70	qtz-py-carb vn 11 mm wide.								
90				90.02-96.03	QUARTZ - CHLORITE - SERICITE PYRITE SCHIST							
					Light greenish grey to off white in dk							
91				vn qtz; ? orientation	green medium to fine grained moderately							
			70		foliated. 35% vn qtz in interval.							
92				8 cm ser gouge + ground core.								

< white qtz vn 27 cm @ 70°.

PAGE 4a OF 11	PROJECT:	HOLE NO. BC-94-01

Depth	MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS Zn ppm	ASSAYS Cu ppm	ASSAYS Au ppb	ASSAYS Ba ppm
69										
71										
73										
75										
77										
79										
81	Py mainly within and along the		81.00	82.50	1.5	942512	46	20	<5	580
	margins / of bx'd and foliated		82.53	whole	rock	443222				
	quartz veins. Py bright,									
	subhedral cubes to 2 mm									
	diss and as irregular masses.									
83										
85										
87										
91	Py within sericite gouge + along margins									
	of white qtz vns.									

PAGE 5 OF 11 | PROJECT: | HOLE NO BC-94-01

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE		GEOLOGICAL DESCRIPTION	ALTERATION A chl	B ser	C qtz	D carb	E biot	FRACTURE INTENSITY	% VEIN QTZ.
92		50		bleached across 15 cm								
93				qtz vn 2 cm wide	Schist locally bleached above 96.33 m depth							
94		80, 75		S1(?) 12 mm clayey gouge!								
95												
96				96.03–121.39	CHLORITE–QUARTZ–SERICITE SCHIST. Dark green to medium greyish green moderately foliated with fine somewhat faint laminae often < 1 mm wide. Water grey qtz grains up to 5 mm across most abundant above 97.70 m depth; these grains appear to have formed from progressive brecciation and foliation or shearing of qtz vns. Probable altd mafic volcanic. Chlorite mostly dk green; locally it may be nearly black; the mineral is so fine grained it's a tough call.							
98		53		5 mm pale green gouge.								
100				abund py								
103		60		3 cm green gouge + soft badly crushed core –								
104		42		minor drag folds or kinks in laminae below fault.								
105				3 mm gouge	104.70–105.57) Light greenish grey, more ser + qtz. Brown biotite altd band 2 cm wide @ 105.7; ok biot altn here.							
108					Gradual decrease chl w. depth, increase ser content + qtz. Qtz is pervasive alt'n where logged but the isolated grains resulting from bx'd qtz vns. 108.36 – 111.60 Say 10% vn qtz grains.							
112		80		55								
114					(114.55–114.70) Mod. → intensely bx'd.							
115												

 PROJECT: HOLE NO. BC-94-01

Depth	MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS Zn ppm	ASSAYS Cu ppm	ASSAYS Au ppb	ASSAYS Ba ppm
92										
			[illegible]	whole	rock	443223				
94	Py most abundant within lighter coloured silicified zones.		94.53	96.03	1.5	942513	18	10	10	250
96	Py blebby, to 3 mm.									
98										
100	Py masses up to 20X25 mm; no other sulphides seen.									
102										
104										
	105.57 Py subhedral cube 6 mm.									
106										
108			108.30	whole	rock	443224				
110										
114										

PAGE	OF 11	PROJECT:	HOLE NO. FC-?4-01

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A	B	C	D	E	FRACTURE INTENSITY	% VEIN QTZ.
				[illegible]-121.?? CHLORITE-QTZ-SER. [illegible] continued.							
		75		white (late) qtz vn 11 cm wide.							
		?		10 cm f. bkn; ? orientation							
		60		12 mm gouge + f. bkn core.							
				20 cm f. bkn and gouge @ 60°							
		60		121.?9 - Small [illegible] 3 mm [illegible] f. bkn along contact [illegible]							
122		66		121.?9-149.40 QTZ-SER-CHL SCHIST ~70° Light greenish gray to medium greenish S1(?) [illegible] to							
123		65		8 cm f. crushed + gouge. green [illegible] local [illegible] bands present. Fine grained, moderately							
124				foliated with wispy laminae of dk green chlorite. Relatively hard,							
125				brittle rock broken into buttons up to a couple of cm thick.							
126				Protolith felsic ash tuff? Fine laminae ≈ absent below							
127				136.61 where rock more granular and has undergone brittle							
128				deformation near faults; the siliceous bands seen above have here							
129				been brecciated and broken into elongate to rounded grains. This							
130		70	50	type of bx'n has occurred w/ qtz vns in chl schist/							
131				mafic vulc higher in hole.							
132				Occ. small bluish qtz eyes throughout unit.							
133				(129.95-131.00) More abundant chl perv throughout interval, without chl separation							
134				into discrete laminae. Poss scour channel @ 129.95 indicates tops							
135				uphole (to west).							
136											
137				11 cm dark chl-(+graph?) rich band @ 35°; ≈ healed flt.							
138		35°									

PAGE 6a OF 11 PROJECT: HOLE NO. [illegible]

Depth	MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS				
			[illegible]	[illegible]	rock	443225					
125											
127											
129			129.00	whole	rock	443226					
131											
133											
1[illegible]	Pyrite very finely diss along laminae.										
137											

PROJECT:

HOLE NO. BC-94-01

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION		ALTERATION A chl	B ser	C qtz	D carb	E biot	FRACTURE INTENSITY	% VEIN QTZ.
138				12?.?? - 149.40	QTZ - SER - CHL) SCHIST continued							
139												
140			20 cm f. bkn + pale clayey gouge; ? orientation.									
141			75°	(140.80 - 140.95)	Light red-brown hematite-rich (10%) interval within fault zone @75°. Hem as patchy perv. stain within bands up to 4 cm wide below fault zone. No magnetite here. First hematite seen so far.							
144				(142.61 - 149.40)	Rock light maroon-grey colour due to the presence of < 1% dusty diss hem; no mag where tested. No chl either.							
145				(14?.37 - 142.35)	Red (hem) + green (chl) bands in qtz-ser schist.							
146				(149.44 - 149.90)	Ground core; possibly a fault contact between rock units at 149.40.							
147		75	S1(?)									
148					?FELSIC LAPILLI TUFF /							
149				149.90 - 161.3	QUARTZ-SERICITE-CHLORITE SCHIST. Light greyish green, moderately foliated felsic volcanic lapilli tuff with av. say 30% elongate lapilli av. ≈ 6 X 15 mm in a matrix of variable grain size from fine ash to grains a couple of mm across. Prob. av. 2% chl, 10% ser 30% qtz altn.							
152			? orientation; 3 cm gouge + f. bkn core.		Prob. flt contact with underlying unit.							
153	≈ 70		5 cm f. bkn + pale green gouge.									
156		35	5 mm gouge + ?		156.75 Epidote(?) speckles.							
159					Sericite say 0.5 mm thick, soapy feel + lustre on fracture sfces.							
161												

 PROJECT: HOLE NO. FC-94-01

Depth	MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS Zn ppm	ASSAYS Cu ppm	ASSAYS Au ppb	ASSAYS Ba ppm
138										
140			140.20	whole	rock	443227				
142										
144										
146			146.32	whole	rock	443228				
148										
150										
152										
154			154.50	156.0	1.5	942514	512	59	<5	520
156	Py diss within bands 2 to 5 mm wide parallel foliation, and also as very fine disseminated speckles few cm apart within rock unit.		156.70	whole	rock	443229				
			158.50	160.0	1.5	942515	936	178	<5	350
160										
161										

PAGE 3 OF 11 | PROJECT: | HOLE NO. BC-94-01

DEPTH (m) | % CORE REC | LITHOLOGY | STRUCTURE | GEOLOGICAL DESCRIPTION | ALTERATION: A chl, B ser, C qtz, D carb, E biot | FRACTURE INTENSITY | % VEIN QTZ

161
3 cm f. bkn + gouge; ? orientation.

149.40–161.31 QUARTZ-SERI-(CHL) SCHIST cont.

161.31–167.64 QUARTZ-CHLORITE-SERICITE SCHIST

162
white qtz vn @70° — Medium greenish grey, medium grained intermediate ash tuff (?).

163
Granular appearance; occ. bluish qtz eyes to 2 mm. Not magnetic.

164
traces ep — Less ser and more chl and py than overlying unit.

white qtz vn

165
Contact with underlying unit possibly a fault; ground core at contact. Abund. vn qtz above 163.63.

166

(166.57–167.64) Ground core

167

168
167.60–182.54 QUARTZ-PYRITE-SERICITE SCHIST

Pale cream-grey to off-white with local brown streaks where sooty diss py present.

169
white qtz vn 20 cm wide

white qtz vn

Grey-green interval with a little chl from 178.78–179.12

170
Probable fault at contact with underlying unit; ground core in contact interval.

171
Schist friable & broken into buttons over most of interval; edge of buttons rounded where sericite has been washed away during drilling.

172
17 cm creamy white qtz vn

173
S1? py streaks

20 mm finely crushed

174
Cream coloured mineral possibly a clay; in places the creamy stain occurs most often on fracture sites.

175
py to 3 mm; f. bkn + gouge

176

177
pyritic bands to 4 mm wide; S1?

178

179
5 mm off-white gouge – f. bkn

180

181
~ subhedral py cubes to 1.5 mm across

white vein qtz ?

182
182.54–196.90 INTERMEDIATE ASH TUFF (?)

4 cm gouge w. py cubes to 4 mm in — Medium grey to locally light greenish grey, medium to fine grained faintly

183
vein qtz from interval from 181.12–182.54 — foliated rock. Weakly magnetic to ≈ 193 m. Patchy pistachio green →

184

PAGE 3a OF 11 PROJECT: HOLE NO. BC-94-01

Depth	MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	FROM	TO	WIDTH	SAMPLE NUMBER	Zn ppm	Cu ppm	Au ppb	Ba ppm
161										
163										
165										
			166.0	167.6	1.6	942516	498	28	<5	760
			167.6	169.1	1.5	942517	38	33	<5	780
167			166.50	whole	rock	443230				
169			169.1	170.6	1.5	942518	30	23	<5	700
	Py as sooty brown streaks and bands spotted with									
171	bright subhedral cubes av. 0.5 mm across. Py also as		170.6	172.1	1.5	942519	38	25	<5	1170
	isolated spots (to couple mm across) and less subhedral		172.1	173.6	1.5	942520	40	21	<5	870
173	cubes within schist.		173.6	175.1	1.5	942521	42	18	<5	1190
	175.88 piece taken for thin sect.									
175	Py somewhat more abundant 175.6 → 177.1 where rock contains a little more quartz and less ser than elsewhere in interval.		175.1	176.6	1.5	942522	102	106	<5	1120
177			176.6	178.1	1.5	942523	38	22	20	980
			178.1	179.6	1.5	942524	106	36	<5	1270
			178.30	whole	rock	443231				
179			179.6	181.1	1.5	942525	96	84	15	1150
	181.15 cp lensoid mass 22X6 mm with pale creamy grey qtz vn 2.5 cm wide at / 53°. Brown sphalerite mass 1X2 mm along margin of cp.		181.1	182.54	1.44	942526	68	168	<5	490
183	Py as subhedral cubes to 3 mm along margin of qtz vn.		182.54	184.00	1.46	942527	132	28	<5	300
184										

PAGE 7 OF 11 | PROJECT: | HOLE NO. BC-94-01

DEPTH (m) 84 | % CORE REC | LITHOLOGY | STRUCTURE | GEOLOGICAL DESCRIPTION | ALTERATION: A chl, B ser, C qtz, D carb, E biot | FRACTURE INTENSITY | % VEIN QTZ. | ep

Depth markers: 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207

1?2.54 – 196.90 (continued)

epidote bands up to 15 mm wide along margins of qtz vns; also as irregular spots with faint margins, these spots up to 5 mm across av. 1→2 mm. Ep also as faint [illegible].

Rock hard competent compared to adjacent units. Protolith med. gr. ash tuff (?), appears less altered than adjacent units; less segregation of mafic & felsic minerals.

Mag ag subhedral xtals to 1.5 mm; almost zero sulphide within rock unit.

Structure notes:
- 70° – qtz-ep vn 7 cm w. amphibole + mag along margins.
- 80°, 4 cm – mag-ep-qtz vlt 4 mm wide
- 75°, 45° – 3 mm discont. mag vlt
- 3 qtz-ep vns.
- cack euhedral biotite cook 1.5 mm across.
- 75° – carb vlt, 2 mm, foliated.
- 80° – Ep band 2 cm wide w. red hem along margins. Ep band below late qtz vn 14 cm wide.

196.90 – 199.60 SERICITE-QUARTZ-CHLORITE SCHIST

Light greenish grey, moderately to faintly foliated, medium grained; felsic ash tuff (?). Soft, bx'd and bkn core w. numerous faults in uppermost 2.7 m.

Structure notes:
- 58°
- 12 mm gouge

199.60 – 205.03 QUARTZ-SERICITE (–CHL) SCHIST

Medium grey to light greenish grey, medium grained ash tuff with occ. streaky lapilli. Wkly to moderately foliated with minor segregation of mafics & felsics. Faintly banded with local brownish red and green bands up to about a cm wide. Gradational contact across ≈35 cm with underlying unit.

Structure notes:
- 50°, 80° – S1(?)
- 2 cm clayey gouge
- 75° – 1 cm pale greenish white gouge

205.03 – 213.63 FELSIC LAPILLI TUFF.

Pale greenish grey with local pale brownish grey and medium green-grey sections. Lapilli elongate up to 15 x 50 mm; say 40% lapilli, 60% ash tuff matrix. Generally moderately

Structure notes:
- 75° – S1(?)

PAGE 9a OF 11	PROJECT:	HOLE NO. ?C-94-01

Depth	MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS Zn ppm	ASSAYS Cu ppm	ASSAYS Au ppb	ASSAYS Ba ppm
184										
186										
			[illegible]	whole	rock	443232				
188										
190										
192										
194										
			195.00	196.75	1.75	942528	140	20	<5	180
196	196.45 cp (?) speck 0.5 mm along margin of subhedral py cubes to 5x8 mm within band @ about 90° to c.a.									
198			198.47	whole	rock	443233				
200										
202										
			203.5	205.03	1.53	942529	100	229	<5	990
			205.03	206.5	1.5	942530	62	5	<5	360
206	Py as f, diss subhedral xtals locally forming faint bands parallel foliation; xtals av. <0.5 mm across.		206.5	208.0	1.5	942531	42	27	<5	500
207										

PROJECT:

HOLE NO. BC-94-01

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE		GEOLOGICAL DESCRIPTION	ALTERATION A chl	B ser	C qtz	D carb	E biot	FRACTURE INTENSITY	% VEIN QTZ.	cp

Depth scale (m): 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230

Structure notes:

- 86, 77 → S1
- 15 cm f. bkn + greenish white gouge.
- 74 — 2 cm f. bkn + gouge
- 45 — 10 cm gouge + f. bkn
- 80, 65 — 11 cm f. bkn + gouge w. 3% py; white qtz vn; 10 cm w. py cubes.
- 75 — 17 cm f. bkn + gouge w. 4% py cubes + grains to 1 mm.
- 55 — 2 cm white gouge + f. bkn
- 1 cm brownish white qtz. vn @ 80°. Tr cal.
- 50 — 30 cm f. crushed, bkn core + gouge w 4% py grains to 1 mm.
- 45 — 2 cm f. bkn + gouge.
- 80 → S1?
- 80 — 3 cm f. bkn + white gouge.
- 65 — pale brown qtz vn 9 cm.

Geological description:

well foliated. More py (primary?) than overlying unit, mainly as finely diss' subhedral xtals along laminae forming faint bands. Fault contact with underlying ash tuff. Friable throughout with moderately to locally intensely bkn core.

py as subhedral cubes to 2 mm.

4% py cubes + grains to 1 mm.

213.63–215.14 SER-QTZ-CHL SCHIST Light grayish green with faint brown biotite bands to 3 or 4 mm wide. Moderately foliated; f. gr. ash tuff(?).

215.14–229.43 QTZ-PY-SER SCHIST Pale brownish grey to light greenish grey, medium grained, moderately foliated. Not as pervasively bleached as qtz-py-ser schist intervals seen higher in this hole. Protolith felsic lapilli tuff; clasts up to 5 or 6 cm long present, form say 25–35% rock volume with matrix ash tuff mostly medium grained. Schist most bleached within say 15 to 30 cm of faults - conduits. ~~[illegible]~~ Discrete contact @ 55° with underlying unit.

(227.63–229.43) Light grey brown to red-brown qtz-ser-chl schist with less py than overlying unit, also here 1 to locally 5 or 10% brick red hematite.

229.43–230.75 QUARTZITE. Steel grey, silica-indurated felsic tuff. f. grained. Silica flooding has obscured banding.

PAGE 10a OF 11 | PROJECT: | HOLE NO. BC-74-01

Depth	MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	FROM	TO	WIDTH	SAMPLE NUMBER	Zn ppm	Cu ppm	Au ppb	Ba ppm
207										
			208.00	209.50	1.5	942532	30	472	<5	220
	P[illegible] [illegible] ...ies [illegible] <0.5									
209	mm		209.3[illegible]	whole	rock	443234				
			209.50	211.0	1.5	942533	42	619	<5	290
211			211.0	212.5	1.5	942534	50	375	<5	420
			212.5	214.0	1.5	942535	154	100	<5	270
213										
			214.0	215.5	1.5	942536	422	109	<5	1860
215			215.5	217.0	1.5	942537	1575	858	105	880
	cp grain ½ mm across within fault.									
217			217.0	218.5	1.5	942538	130	325	15	1170
			218.5	220.0	1.5	942539	106	137	20	2340
219			219.15	whole	rock	443208				
			220.0	221.5	1.5	942540	108	671	10	1320
	Py xtals often rectangular or elongated parallel foliation.									
221			221.5	223.0	1.5	942541	52	32	<5	620
223			223.0	224.5	1.5	942542	30	31	<5	490
			224.5	226.0	1.5	942543	18	8	<5	600
225										
	226.5?–226.80 ~ 0.5% cp as elongate (parallel foliation) or irregular masses max 3 X 1.5 mm		226.0	227.0	1.0	942544	104	940	10	3940
			227.0	228.5	1.5	942545	492	18	<5	6520
	Est. 0.2% Cu in sample		227.18	whole	rock	443209				
229										

PAGE	OF	PROJECT:	HOLE NO. BC-94-01

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE		GEOLOGICAL DESCRIPTION
				231.75 - 239.27	INTERBANDED FELSIC TUFF (70%) AND GREY QUARTZITE (30%)
		35		S1	
232		80		.5cm f. bkn	Greenish brick red to light greyish green to brick red.
233		30		7 cm gouge + f. bkn; ? orientation	Local steel grey sections where rock moderately to intensely
234 abund. hem		7		2 cm f. bkn + gouge	silicified. Medium to coarse grained, moderately foliated
235		35		off-white qtz in S, mm wide, intrudes lt. silicified tuff / grey qtzte	lapilli tuff. Rock is finely intensely fractured with faint irregular hairline fractures spaced ≈ 1 cm apart. Several faults
236					in interval. Faults may have
237					provided conduits for silica to preferentially alter (silicify) some bands, then rock
238		70			cooled then brittle deformation
239		70		4 cm gouge + f. bkn	which formed fine interlocking fractures
				S1(?)	
				239.27	END OF HOLE

ALTERATION					FRACTURE INTENSITY	% VEIN QTZ.
A chl	B ser	C qtz	D carb	E hem		

PAGE a OF a	PROJECT:	HOLE NO. SC-14-01

	MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS				
230											
232											
234											
	tr py f, diss.										
236											
238											
23[illegible]	intensely silicified felsic tuff/ grey qtz taken for whole rock.		237.20	whole	rock	443210					

PAMICON DEVELOPMENTS LIMITED

DRILL LOG

PROJECT Bell Creek	**GROUND ELEV.**
HOLE NO. BC-94-02	**BEARING** 090° T
LOCATION 12+55 N approx; not 0+70E surveyed	**DIP** −60° collar
	TOTAL LENGTH 266.70 m
LOGGED BY David Pawliuk	**HORIZONTAL PROJECT**
DATE Oct. 94	**VERTICAL PROJECT**
CONTRACTOR Beaupre Drilling Princeton BC	**ALTERATION SCALE**
CORE SIZE NQ	
DATE STARTED Oct 22/94	
DATE COMPLETED Oct 26/94	**TOTAL SULPHIDE SCALE**
DIP TESTS acid −56° @ 139.29 m SPERRY-SUN: @ 262.73 m − −52° @ 083° AZIMUTH.	

ALTERATION SCALE

absent
slight
moderate
intense

TOTAL SULPHIDE SCALE

traces only
< 1%
1% – 3%
3% – 10%
> 10%

COMMENTS

Drilled to test stratigraphy down dip of hole BC-94-01, from same collar location.

Orange-brown limonite coats wx'd fracture sfcs 5.18 to 17.20 m depth; no lmnt below 17.20 m.

LEGEND

PAGE 1 OF 12 | PROJECT: BELL CREEK | HOLE NO. BC-94-02

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A chl	B ser	C qtz	D carb	E biot	FRACTURE INTENSITY	% VEIN QTZ
0				in							
				0.00-5.18 CASING							
1				5.18-7.34 INTERMEDIATE ASH TUFF (?)							
				Light brownish grey, medium grained							
2				with larger grains 2 or 3 mm in							
				length. Moderately foliated. Occ. clear							
3				qtz eyes to 1 mm, < 1 %.							
				Off-white blocky feldspathic grains							
4				@ 7.20 may be phenos in which case							
				rock could have been a flow.							
5				Gradational contact over 50 cm with							
				underlying unit.							
6			50?								
7		65		7.34-17.75 QUARTZ-SERICITE-PY SCHIST							
8				Light brownish grey, generally fine							
				grained, faintly laminated with 2 to							
9				locally 5% sooty brown py as							
				irregular masses and lenses							
10				oriented somewhat parallel foliation.							
				Subround bluish qtz eyes to 2 mm							
11		70	lapilli to 6x20 mm cut by py vlts. 51	≤ 1 % rock volume. Fairly homogeneous							
				rock unit, protolith prob. medium							
12				grained felsic ash tuff w. occ.							
				lapilli < 10% rock volume.							
13											
14											
15				17.75-18.67 ARGILLITE. Greyish black, with 20%							
16				grey siltstone interbeds to 15 mm thick.							
				Off-white calcite vlts to 2 X 40 mm							
17				subparallel c.a.							
				18.67-22.70 QUARTZ-SER-PY SCHIST As for							
18			py vlts to 1 mm @ 25°	7.34-17.75. Discrete contact @ 70° with							
				underlying argl.							
19				22.70-39.49 ARGILLITE Brownish black to medium							
				grey to glossy black; local grey-green							
20				tuffaceous interbeds. Thinly laminated							
				on a mm and cm scale throughout.							
21				Fine grained rock, numerous silty							
				interbeds. Limy across most of interval							
22				above 32.50 m depth; calcite in							
			70° contact	light grey laminae and interbeds up to 20							
23				mm thick, and in off-white irregular vlts.							

PAGE 1a OF 12 PROJECT: HOLE NO. BC-94-02

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS Zn ppm	ASSAYS Cu ppm	ASSAYS Au ppb	ASSAYS Ba ppm
		6.80	[illegible]	[illegible]	443216				
Py as sooty fine grained, brown irregular masses and lenses crudely oriented parallel foliation.		7.34	8.84	1.5	942546	79	27	<5	480
		8.84	10.34	1.5	942547	78	11	<5	590
		10.34	11.84	1.5	942548	78	16	<5	420
		11.84	13.34	1.5	942549	64	12	<5	380
		13.34	14.84	1.5	942550	78	11	<5	640
		14.84	16.34	1.5	942551	62	14	<5	510
		15.29	whole	rock	443217				
Py here also as hairline to 2 mm wide vlts oriented mostly @25° and @ ≈ 60° to c.a		16.34	17.75	1.41	942552	66	9	<5	710
		17.75	18.67	0.92	942553	94	41	<5	400
		18.67	20.17	1.5	942554	58	21	<5	470
		20.17	21.50	1.33	942555	60	19	<5	490
		21.50	22.70	1.2	942556	64	11	<5	840

 PROJECT: HOLE NO. BC-94-02

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE		GEOLOGICAL DESCRIPTION
				22.[illegible]–39.49	ARG[illegible]TE ([illegible]ued)
24		35			Most [illegible] the [illegible] is likely
					primary, not an alt'n product.
25				25 cm [illegible] bkn gouge	Fault contact with [illegible]
		35		[illegible] carb vn ∠~25°	[illegible]. [illegible] [illegible] [illegible]
26				[illegible](?)	fracture [illegible]es as [illegible] black
					coating up to ≈ 0.5 mm wide
27					from 27.30 → 39.49 m down[illegible].
28					
29					
30				[illegible]; 10 cm f. bkn; ? orientation; gt.	
31				py vn 3 mm	
		75 / 70		(31.80 – 42.30)	Wkly to locally moderately magnetic
32				10 cm f. bkn + gt gouge.	rock; pyrrhotite.
		67			
33				∠S1(?)	
				(33.52–33.98)	Mostly light greyish green, f. gr., intermediate
34					ash tuff.
35				(36.58–37.93)	Fault zone. Sooty black, moderately to f. bkn
					core and graphite-rich gouge. Lower [illegible]
36					at 75°; measured on smooth slip sfc.
37				39.49–44.41	SILTSTONE Medium grey to
					light brown-grey [illegible] grained rock w.
38		75			occ. lapilli (to 10 X 40 mm) tuff
				smooth slip bottom flt zone.	interbeds 5 or 10 cm thick.
39					Occ. argil. interbeds to 15 cm.
		35			Siltstone contains much less carbonate
40					than argil. Contact w. underlying unit
				18 mm f. bkn + gouge	[illegible]tional across 5 cm.
41					
				44.41–45.38	QTZ-PY-SER SCHIST [illegible]
42					[illegible] to pale grey-green medium
				[illegible] along [illegible]	grained with 5 to 10% lapilli-size clasts.
				11 cm f. bkn + gouge; ? orientation	[illegible] qtz [illegible]. Mod[illegible]
43		66		∠S1(?)	foliated [illegible] at ≥ 67°. Gradational
44					contact across 30 cm w. underlying unit
45				45.38–55.10	[illegible]-QTZ SCHIST / INTERMEDIATE
				green white [illegible] vn 3 cm wide.	LAPILLI TUFF. Dark to light green
46					to light grey-green with bleached

ALTERATION: A, B, C, D, E — FRACTURE INTENSITY — % VEIN QTZ.

PAGE 2a OF 2 PROJECT: HOLE NO. [illegible]

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	TO	WIDTH	SAMPLE NUMBER	ASSAYS Zn ppm	Cu ppm	Au ppb	Ba ppm
Sooty brown fine grained py in fine laminae mainly <1 mm wide parallel foliation, & as elongate lenses up to 2 mm wide and 20 mm long: av <0.5 mm wide, 6 or 7 mm long). Py also as somewhat coarser grained, bright lustre, in irreg. [illegible] to 2 mm wide? randomly oriented cut by later off-white qtz-carb veinlets in a couple of places.									
31		[illegible].00	32.50	1.5	942557	94	76	<5	210
33 Po as faint brown lenses and laminae (?)		33.66	whole	rock	443218				
35		35.00	36.58	1.58	942558	92	97	<5	290
37									
39									
41									
		44.41	45.38	0.97	942559	20	4	<5	580

PAGE	OF 12	PROJECT:	HOLE NO. BC-94-02

DEPTH	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A	B	C	D	E	FRACTURE INTENSITY	% VEIN QTZ.
				[illegible] mm [illegible] from 5[illegible]							
				– 5[illegible].62 [illegible] chlorite nearly absent.							
		50		Banded [illegible] foliated rock							
48				with [illegible]							
		65	55 mm f. bkn + gouge @ 60°.	[illegible] is [illegible] 40 to 50							
49			30 cm gouge	% rock volume. [illegible] 51.00 m							
		50 / 60	f. bkn incl white [illegible] pieces	[illegible] composition observed to							
50				vary slightly							
			5 mm [illegible] gouge + f. bkn.								
51			white qtz vn 11 cm wide @ 60°.								
52		60 / 60									
			22 mm f. bkn								
53			white qtz vn with wavy margins	; appears slightly foliated.							
54											
55			55.10–87.13	QUARTZ-CHL-SER SCHIST.							
				Light greenish grey with local							
56				medium green chl-rich bands to 30							
				cm wide. Moderately foliated.							
57				Granular rock with subround							
				larger grains av. 1 to 3 mm							
				formed 30 to 50% rock volume in							
58		70		a fine grained matrix.							
59			3 cm sericitic gouge + f. bkn	Occassional lapilli (?) up to 30 or							
				40 mm length. Protolith possibly							
60			blue qtz eyes to 3 mm	coarse grained felsic to intermediate							
				ash tuff. Generally faint							
61				banding throughout as little							
				segregation of mafics has							
62				occurred. Rock becomes							
				progressively softer more fractured							
63		60		and more crushed from top to							
				bottom. Subround [illegible] quartz							
64			chloritic band 16 cm wide.	eyes throughout < 1%.							
				[illegible] shear or fault zone at							
65				contact with underlying unit.							
		70	chl band 21 cm wide								
66											
67		63	15 cm	f. bkn + gouge; banded material in shear.							
68		70	3 cm f. bkn + gouge.								
			(68.10–68.22)	QTZ-PY-SER SCHIST. more py							
69		70	S1?	and less chl than adjacent rock.							

PAGE	OF 2	PROJECT:	HOLE NO. BC-94-02

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	TO	WIDTH	SAMPLE NUMBER	ASSAYS Zn ppm	Cu ppm	Au ppb	Ba ppm
Py as [illegible] + euhedral to									
rectangular cubes to 1.5 mm									
[illegible] [illegible] or [illegible] [illegible]									
+ blebs up to 4 mm [illegible]									
[illegible] 2 - 3% cy [illegible] [illegible] 7 mm		49.40	50.90	1.5	942560	90	8	<5	70
wide @ 70°									
		50.75	[illegible]	[illegible]	443219				
					443220				
		54.00	55.50	1.5	942561	36	42	10	390
		55.50	57.00	1.5	942562	28	4	5	370
56									
58									
60									
62									
64									
68		67.75	67.25	[illegible]	942563	30	2	<5	580
69									

PAGE ? OF 12	PROJECT:	HOLE NO. BC-94-02

DEPTH (m) | % CORE REC | LITHOLOGY | STRUCTURE | GEOLOGICAL DESCRIPTION | ALTERATION (A, B, C, D, E) | FRACTURE INTENSITY | % VEIN QTZ.

Depth scale: 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92

Structure notes:

- 3 cm finely crushed + gouge
- [illegible] band 2 mm @ 65°
- 70° — 7 cm f. bkn + gouge
- 50° — 2 cm f. bkn + gouge
- occ. bands qtz-py-ser schist to 4 cm wide
- 60° — S1(?)
- 70° — 5 cm f. crushed
- 30° — 6 cm f. bkn + gouge
- 30° — crushed zone 5 cm wide
- ? — 15 mm gouge + f. bkn ; ? orientation.
- 30° — 17 cm gouge + f. bkn in [illegible] shear zone.
- S
- 10 mm qtz-carb vn.

Geological description:

[illegible] qtz eyes.

87.13 – 110.45 CHL SCHIST / MAFIC VOLCANIC

Dark green with local light green-grey (more siliceous) bands up to about a metre wide. Moderately [illegible]. Medium grained with large grains av. ≈ 1 mm. Much of chl likely primary. 10 to 15 cm [illegible] 20% lensed felsic fragments (lapilli ?) in topmost 2.5 m. [illegible] possibly result of [illegible] + [illegible] of silicified bands in chl schist. [illegible] bands and lenses subparallel foliation; also as occ. [illegible] ≤ 0.5 mm wide. [illegible] underlying unit.

PAGE [illegible] OF 12 | PROJECT: | HOLE NO. BC-74-0[illegible]

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	WIDTH	SAMPLE NUMBER	ASSAYS				
71		79.85	whole	rock	443235					
73										
75										
77										
79										
81										
83										
		84.16	whole	rock	443236					
85 grey so[illegible] in fault gouge.										
87 87.12 - PY [illegible] commonly [illegible] in lighter [illegible] [illegible]. and around [illegible] [illegible]. [illegible] 1-3%										
89.50 - 94.75 Moderately to weakly magnetic.										
91										

PAGE _ OF 12 | PROJECT: BELL CREEK | HOLE NO. BC-94-02

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A	B	C	D	E	FRACTURE INTENSITY	% VEIN QTZ.

[illegible] – 110.45 [illegible] VOLCANIC

[illegible]

75 — qtz vn 3 cm w. 2 cp globs 0.5 mm and [illegible] along margins

95

96

65 — 15 cm green-white gouge + [illegible] bkn core.

97

10 — 20 cm soft [illegible] bkn core and gouge.

98

97.5 - 97.34 [illegible]

99

99.40 – 101.88 [illegible] homogeneous chl schist
- magnetite porphyroblasts [illegible]
- competent core section - dyke?
- [illegible]

100

101

102

102.45 – 103.30 - [illegible] more quartz? -
- minor (1%) feldspar [illegible]

103

104

105

105.68 - 106.76 - [illegible] section - qtz [illegible] from shearing -

106

107

108

109

110.45 – 113.79 QTZ - SER - CHL SCHIST. Light greyish green. moderately foliated. Protolith likely felsic lapilli (to 10 X 35 mm) / tuff. Upper contact [illegible] fault: 3 mm gouge at [illegible] 42°. Lower contact [illegible] ∠ ≈ 70°

110

111

112

113.79 – 114.87 CHL SCHIST As [illegible] 87.17 – 110.45

113

113.60 – 114.90 - [illegible]

114.87 – 120.60 QTZ - SER - CHL SCHIST Light greenish grey, medium to fine grained ash tuff (?) [illegible] larger grains to few mm. Local fine laminae.

114

115

PAGE 5a OF 12 | PROJECT: | HOLE NO. BC-94-02

Depth	MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	WIDTH	SAMPLE NUMBER	ASSAYS Zn ppm	Cu ppm	Au ppb	Ba ppm
92										
			93.00	94.50	1.5	942564	148	77	<5	340
			93.80	whole	rock	443237				
94										
			94.50	95.72	1.22	942565	1650	2020	<5	860
	94.75 -									
96			95.72	97.84	2.12	942566	184	30	<5	1260
98	97.50 - 99.40 - 0.5-1% [illegible] PY cubes small [illegible].									
	99.40 - [illegible] 0.25% dissd PY cubes.									
100										
102			101.90	whole	rock	443238				
104										
106										
107										
110	110.45 - 114.87 - 0.5-1.0% PY as dissd cubes generally [illegible] local bands.									
			111.00	112.50	1.50	942567	36	7	<5	330
113			112.50	113.79	1.29	942568	36	4	<5	480
			113.79	114.87	1.08	942569	52	7	<5	290
	114.87 - 120.60 - 0.5% py similar occurrence as section above									
115			114.87	116.37	1.50	942570	52	12	<5	540

PAGE 6 OF 12 | PROJECT: BELL CREEK | HOLE NO. BC-94-02

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION: CL A	MS B	QZ C	CB D	EI E	FRACTURE INTENSITY	% VEIN QTZ.
116			70° S1	- trace [illegible] ... to 116.05 - porphyroblasts? - [illegible] sections ... up to 15mm							
			S1	- this section is quite [illegible] - possibly mixed [illegible] / mafic [illegible]							
118				- several qtz veins to [illegible] cm wide							
120											
			S1	120.60-136.20 CHLORITE - QUARTZ SCHIST [illegible] fabric [illegible]							
122				- [illegible] ... 30-50%							
				- [illegible] small [illegible] - like [illegible] ... 1% to 2mm							
124				- [illegible] ... poss minor sericite is present							
				- [illegible] ? [illegible] also observed							
				- [illegible] folding evident in cross cutting qtz veinlets - later veins parallel to S_2 → fold axis S_2?							
126				- [illegible] qtz veins							
			S_2 - AP.?	- quite competent unit - only minor broken core							
128											
130											
132											
134											
			slip / Bun	135.80 - 136.20 - sheared schist - folding evident.							
136			S1	136.20 - 167.15 QUARTZ - SERICITE SCHIST - [illegible] lapilli tuff							
138											

 PROJECT: BELL CREEK HOLE NO. BC94-[illegible]

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS Zn ppm	ASSAYS Cu ppm	ASSAYS Au ppb	ASSAYS Ba ppm	MAG. SUSCEPT.
- pyrite generally conc'd in lighter coloured, bleached' sections		115.10	whole	rock	443239					
		116.37	117.37	1.00	942571	224	82	<5	420	
120.60 - 126.20 - tr py - as disso xtals - also minor [illegible] in bands parallel dominant fol'n										
126.28 - 128.10 - 0.25-0.5% py, trace cp as dissem along fol'n		126.10	128.10	2.00	942572	162	288	<5	100	
		130.70	whole	rock	443240					
136.20 - 152.95 - tr-0.25% py as diss'd xtls along fol'n, locally conc'd in lenses, commonly occurs in sheared schist.		137.00	whole	rock	443241					

PAGE OF 12 | PROJECT: BILL CREEK | HOLE NO. BC94-02

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION CL A	MS B	QZ C	CB D	E	FRACTURE INTENSITY	% VEIN QTZ.	HM
138				QUARTZ SERICITE SCHIST LAPILLI TUFF								
				- 0.25% [illegible] QZ [illegible] → 2 mm								
			51	- light [illegible] [illegible]								
140				[illegible] lenses shaped								
				- [illegible] sericitic matrix								
				- strong [illegible] · [illegible]								
				[illegible]								
142				- upper contact - [illegible] - near perpendicular C A.								
				137.50 - 142.88 - strongly deformed, sheared								
				schist - [illegible] and has								
144			50°	folds [illegible] - rock is quite [illegible]								
		BROKEN		- qtz veining [illegible]								
				- 2 [illegible] orientations evident - one								
				is axial plane in some folds - [illegible]								
146				seem to have variable orientations								
			fault	145.58 - 146.15 - QZ vein - vuggy								
			65°	146.62 - 146.91 - gouge - fault?								
148												
150		BROKEN										
152												
			fault - slip (gouge)	152.60 - 152.95 - chl. (QZ) schist 1-2% [illegible]								
				[illegible]								
154				152.95 - 159.75 felsic lapilli tuff - 3-5% QE								
				to 2 mm. and [illegible] FD phenos to 2.5 mm								
				- pervasive chlorite, weak, alt.								
				- [illegible] mafic [illegible] - larger to 4 5 cm								
156				[illegible] section								
				157.00 - 159.20 - [illegible] section								
				- [illegible] alt[illegible]								
158				- still MS. QE present - [illegible] to 2 mm								
				159.75 - [illegible] - hematitic QZ-MS schist.								
160				[illegible]								
162			55°	- hematite strongest at top of section and [illegible] downhole								

PAGE 12 OF 12 | PROJECT: BELL CREEK | HOLE NO. BC94-02

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS Zn ppm	ASSAYS Cu ppm	ASSAYS Au ppb	ASSAYS Ba ppm	mag. suscept.
138.20 - 141.84 - numerous QZ veins, trace cpy as blebs in veins - py still as dissem in host rock.										
152.95 - 167.15 - no detectable sulphides - poss. tr very tiny py dissem occur locally.										
		155.10	whole rock		443242					
		159.75	161.25	1.50	942573	94	14	<5	420	

 PROJECT: BELL CREEK HOLE NO. BC94-02

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION CL A	MS B	QZ C	CB D	BI E	FRACTURE INTENSITY	% VEIN QTZ.	HM
161			S2 78°	- [illegible] axis? [illegible] section								
				- [illegible] [illegible] [illegible] ?								
162				161.95 - 167.15 - QZ-MS-CL schist lapilli tuff								
		BROKEN		lapilli [illegible] common in upper part of section								
				- 1-2% QE to 2mm [illegible] FD phenos (white)								
164				- lapilli [illegible] parallel to S_2 (S_1 fold axial plane)								
				- some [illegible] [illegible] (photo)								
				165.40 - 165.48 - narrow [illegible] zone - [illegible] MG								
166			35° to foliation [illegible] fault contact @ 35° with the [illegible]									
				167.15 - 187.76 [illegible]								
168			S2 88°	- [illegible] tuff [illegible] rare lapilli (> 2cm observed)								
				- overall [illegible] texture locally banded (poss due to fold) - [illegible] greenish colour.								
				- 5-8% QZ-FD phenos to 1.5mm diameter								
170			70°-shear; 75 - Qz vein/EP	- talcose feel due to sericite								
				167.15 - 174.25 - broken core, sheared schist section								
172		CORE		- mineralized, numerous qtz veins, restricted to this zone.								
				- core shows interfering shear direction CS fabric?								
174			62°-shear; 50°	174.25 - 184.65 - competent core, local broken sections but no sheared schist								
				- rare lapilli in QZ-FD xtl tuff.								
176												
178			S2 60°-shear related?									
				179.65 - 181.86 - lapilli tuff [illegible] - generally larger and more concentrated lapilli toward the bottom of the unit								
180												
182			70°-shear; S2? 65°									
184												

PAGE 8a OF 12 PROJECT: BELL CREEK HOLE NO. BC94-02

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS Zn ppm	ASSAYS Cu ppm	ASSAYS Au ppb	ASSAYS Ba ppm	[illegible] SUSCEPT. [illegible]
		164.27	165.72	1.45	942574	124	32	<5	440	
167.5 - 174.25 [illegible] py in green [illegible] schist section ~0.25 % overall; trace CPY in qtz veins; - PY generally aligned in layers		167.15	168.65	1.50	942575	78	4	<5	610	
		168.65	170.15	1.50	942576	88	47	<5	560	
		170.15	172.82	2.57	942577	128	22	<5	510	
		172.82	174.25	1.43	942578	136	49	<5	510	
174.25 - 185.13 tr py as tiny diss'ns in schist										
		175.0	whole	rock	443243					

PAGE 9	OF 12	PROJECT: BELL CREEK	HOLE NO. BC94-02

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION CL A	MS B	QZ C	CB D	RI E	FRACTURE INTENSITY	% VEIN QTZ
			[illegible]° shear								
				184.[illegible] - 185.12 - numerous [illegible] shears							
			52° shear	[illegible]							
			35° shear	185.13 - 185.35 - [illegible] of core - [illegible]?							
186				185.35 - 187.76 - [illegible] increase in sericite							
				[illegible] - [illegible] [illegible] -							
				- alteration [illegible] rock type ?							
			187.76 - 195.83	QUARTZ - SERICITE - [illegible] - SCHIST							
188			67° S1	- very lightly coloured creamy white to							
				yellowish green							
				- overall homogeneous texture - wide banding							
190				[illegible] - [illegible] is [illegible] little broken core							
				- [illegible] on foli'n							
				- 0.25 - 1% QE, to 1.5 mm [illegible]							
				- this unit may be [illegible] zone within							
192				quartz sericite schist.							
			S1 63°								
		B	[illegible] shear	195.25 - 195.88 - gougy, broken core							
194		R									
		O									
		K									
		E									
		N	[illegible]								
196			195.83 - 218.60	QUARTZ - SERICITE (CHLORITE) SCHIST							
			[illegible] 85°	- poss. [illegible] tx - quite siliceous overall							
				- very mottled appearance due to lt grey							
198				siliceous lenses and/or clasts in [illegible] lt green							
				sericitic (chloritic?) matrix - [illegible]							
				- fabric generally less prominent due to							
				anastomosing nature of phyllosilicate bands.							
200				- core is generally quite broken, variable							
				competency							
				- chlorite (based on darker [illegible]) is							
			S1 60°	variable - QE not apparent							
				200.25 - 201.47 - sheared schist, shears							
202				subparallel to core axis, also							
				at 85° and 60°							
			70° S1								
			56° S2	203.85 - 207.55 - [illegible] core - brown spots							
204				likely hematite in quartz schist - more MS							
				- QZ content increasing this section, MS							
				interstitial for the most part.							
206											
207											

PAGE ?a OF 12	PROJECT: BELL CREEK										HOLE NO. BC94-02
MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	TO	WIDTH	SAMPLE NUMBER	ASSAYS Zn ppm	Cu ppm	Au ppb	Ba ppm	MAG. SUSCEPT.
184.65 - 185.85 - tr - 0.25% PY as dissd xtals										
		185.13	186.53	1.40	942579	196	64	<5	890	
185.85 - 187.76 - 0.25 - 0.5% PY, as dissd xtals conc'd in bands										
- also trace CP		186.53	187.76	1.23	942580	168	275	<5	600	
187.76 - 190.50 - 0.5 - 1.0% PY as dissd ... also lenses along folia		187.76	188.76	1.00	942581	5600	438	<5	530	
- 0.25% CP in upper dissd blebs		188.76	189.76	1.00	942582	452	261	<5	680	
- 0.25% SP - lt brown to reddish brown - dissd blebs - declines to absent in lower int of section		189.76	190.76	1.00	942583	318	146	<5	870	
		189.85	whole	rock	443244					
190.50 - 192.42 - tr - 0.25 py, dissd xtals.		190.76	191.42	0.66	942584	378	125	<5	1270	
		191.42	193.55	2.13	942585	108	18	<5	270	
192.42 - 195.83 - 0.5 - 1.0% py as dissd xtals, usually as lenses along folia.										
		193.55	194.55	1.00	942586	116	1060	20	950	7100 ppm As, 1630 ppm W
		194.55	195.83	1.28	942587	146	110	<5	310	
		195.83	197.33	1.50	942588	172	10	<5	1480	
195.83 - dissd py xtals quite variable in conc'n - tr - 1% overall - brownish spots which occur locally are likely hematite rather than sphalerite										
		202.85	205.28	2.43	942589	134	33	<5	690	
		205.00	whole	rock	443245					
		205.28	206.80	1.52	942590	452	82	<5	1150	
		206.80	208.30	1.50	942591	372	106	<5	1240	

PAGE 9 OF 12 | PROJECT: BELL CREEK | HOLE NO. BC94-02

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION CL A	MS B	QZ C	CB D	BT E	FRACTURE INTENSITY	% VEIN QTZ.	HM
207												
208												
210			75° S1; 32 75°									
212												
			75°; 65-74 deg foli'n	2								
214				213.80 - 225.50 - strongly sheared section - variable alteration A/D - quartz veining common especially in lower half of section.								
216												
218			75° S2									
220				219.60 - 222.40 - creamy white to light green quartz - sericite - pyrite schist - broken core.								
222			65 S? shear @ 50° gouge	222.40 - 225.70 - slight increase in CL content? rock appears to be a darker green								
224				224.83 - 225.25 - rough bull quartz vein w/ sericite - clay patches.								
226				225.70 - 227.16 - lt grey to yellowish green quartz - sericite - py schist - bounded by sheared schist on either end. - local pinking in hematite?								
			gouge/fault @ 65°									
228				227.16 - 235.28 - mottled QZ-MS-(CL) schist - lt to med. green colour - pinkening in patches and blotches due to hematite'n? - minor CA veined in fractures - MS grey to green colour.								
230												

PAGE 12a OF 12 PROJECT: BELL CREEK. HOLE NO. BC94-02

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	FROM	TO	WIDTH	SAMPLE NUMBER	Zn ppm	Cu ppm	Au ppb	Ba ppm	MAGN. SUSCEPT.
		210.95	212.45	1.50	942592	84	22	<5	770	
		212.45	213.95	1.50	942593	112	10	<5	660	
		213.95	215.45	1.50	942594	194	576	<5	1060	
		215.45	216.95	1.50	942595	70	8	5	620	
		219.46	220.95	1.49	942596	114	49	25	440	
219.60 - 223.40 - 1% py as diss'd xtals. generally along fol'n - tr CP w/ the pyrite										
		220.95	222.45	1.50	942597	104	11	20	340	
		222.45	224.33	1.88	942598	346	3	<5	1280	
224.33 - 225.25 - tr - 0.25% CP as blebs in quartz vein. tr finely diss'd py		224.33	225.70	1.37	942599	72	197	<5	130	
225.25 - 225.70 tr py diss'd xtls		225.70	227.16	1.46	942600	7190	1660	40	290	
225.70 - 227.16 - 2-3% py as diss'd blebs [illegible] in layers; tr - 0.25% CP as blebs along fol'n w/ PY; tr - 0.25% ST - lt brown, in lower part of interval.		227.16	228.16	1.00	942601	556	23	<5	5070	
		227.60	whole	rock	443246					
227.16 - 228.28 - [illegible] py as fine diss'n, locally blebs in qtz veinlets										

 PROJECT: BELL CREEK HOLE NO. BC94-02

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE		GEOLOGICAL DESCRIPTION
					- [illegible]
232					
234				shear @ 15°	
				S_1-75°	
					235.28 - 243.60 - [illegible] QZ-MS-PY schist -
236				S_1 80°	
				shear @ 35°	- [illegible] interval / - [illegible] plane parallel to S_1
		BROKEN CORE			- [illegible] sheared [illegible] interval - [illegible] cm [illegible] in interval a soft, sheared schist
238					238.50 - 240.79 - SERICITE-CHLORITE-QUARTZ schist - w/ QZ veins
					- very poor core recovery
240					
					240.79 - 243.60 - QZ-MS-PY schist - extremely broken extremely poor core recovery
242					
				243.60 - 247.00	GREY-BLUE RHYOLITE - [illegible] silica
244					- very siliceous, indurated rock
					- completely broken within fault zone [illegible]
				70°	- reddish streaks common - hematite [illegible]
				S_1 70°	- 0.5-1% bluish QE - to 1.5mm - [illegible]
246					- one 5 cm wide segment of QZ-MS-CL schist [illegible] whole piece of core - [illegible]
				247.00-250.40	MOTTLED MS-QZ-CL schist - as 227.16-235.28
248					- hematization more prevalent
					- fault bounded (broken core) both ends of interval
					- [illegible] very similar to "Unit 11" on surface
250				250.40 - 259.68	MS-QZ-CB? schist
					- [illegible]
					[illegible] very small QE on [illegible]
252					- [illegible]
				[illegible] @ 70°	- [illegible] - [illegible] carbonate? - Fe dolomite?
253					

ALTERATION: A [illegible] | B MS | C QZ | D CB | E [illegible] — FRACTURE INTENSITY — % VEIN QTZ. — HM

PAGE 11a OF 12 | PROJECT: BELL CREEK | HOLE NO. BC94-02

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	WIDTH	SAMPLE NUMBER	ASSAYS Zn ppm	Cu ppm	Au ppb	Ba ppm	MAG. SUSCEPT.
235.28 - 238.00 - 2-5% py/ap as dissic. cubes/xtals, generally along [illegible] - [illegible] occurs in upper part of interval - [illegible] blade is brown brown colour ~0.25% overall		235.23	236.73	1.50	942602	2230	2620	85	350	
		236.73	238.05	1.32	942603	42	435	45	140	
238.00 - 240.79 - tr dissid py xtals - small [illegible] band at 239.90 m - 0.5% overall		238.05	240.79	2.74	942604	116	22	5	1370	
240.79 - 243.60 - 2-3% dissid py xtals in schist		240.79	243.60	2.81	942605	58	68	10	220	
243.60 - 247.00 tr py as dissins										
		245.50	whole	rock	443247					
247.00 - tr py as fine dissid xtals										
		252.00	whole	rock	443248					

 PROJECT: BELL CREEK HOLE NO. BC94-02

STRUCTURE		GEOLOGICAL DESCRIPTION
		253.55 - 255.83 [illegible] core - [illegible]
shear 55°		[illegible] siliceous [illegible] similar to [illegible]
		[illegible] above.
		255.83 - 259.65 tp - [illegible] 5% QF to 1.5mm
		256.15 - 256.50 silicified section, blue-grey colour in bands
		256.66 - 256.76 silicified - [illegible]
S. e 73°		257.06 - 257.25 silicified - shear at top contact?
		257.54 - 259.65 silicified section - [illegible] present
	257.65 - 266.70	QZ-EYE LAPILLI TUFF - QZ-MS-CB schist
		- [illegible] appearance - blue-green to grey to brown
		- brown due to weathered matrix - CB?
		- [illegible] clast > diameter of core
		- QE-FO [illegible] in matrix and clasts - 2-3% to 2mm
		- clasts dominantly grey, siliceous
		- siliceous layers also present
		- minor C on fractures
		- folding evident in some layers. Fold axial plane = S_2
S1		- talcose feel on fractures
A.P. 75°		
S. 90° [illegible]		
	266.70	END OF HOLE

PAGE 12a OF 12. | PROJECT: BELL CREEK. | HOLE NO. BC94-02

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES			SAMPLE NUMBER	ASSAYS				MAG. SUSCEPT.
		FROM	TO	WIDTH						
		266.35	whole	rock	443249.					

PAMICON DEVELOPMENTS LIMITED

DRILL LOG

PROJECT BELL CREEK	GROUND ELEV. 1310 m
HOLE NO. BC94-03	BEARING 090°
LOCATION 16+15N 0+23E	DIP -45° TOTAL LENGTH 284.37 m
LOGGED BY DAVE PAWLIUK	HORIZONTAL PROJECT
DATE Oct. 30/94	VERTICAL PROJECT
CONTRACTOR BEAUPRÉ DIAMOND DRILLING PRINCETON, B.C.	ALTERATION SCALE 0 1 2 3 absent slight moderate intense
CORE SIZE NQ	
DATE STARTED OCT 26/94	
DATE COMPLETED OCT 31/94	TOTAL SULPHIDE SCALE 0 1 2 3 4 traces only < 1% 1% – 3% 3% – 10% > 10%
DIP TESTS Sperry Sun: 136.86 m -47° inclination; 082° azimuth 280.11 m -47.5° inclination; 081° azimuth	
COMMENTS DRILLING SECTION TO EAST OF NORTHERN TRENCHES ON RED STAR HORIZONS - GEOCHEM ANOMALY ON SURFACE 2+75E to 3+25E / 16+00N.	LEGEND

PAGE	OF 13	PROJECT: BELL CREEK	HOLE NO. BC94-03

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A chl	B ser	C qtz	D carb	E biot	FRACTURE INTENSITY	% VEIN QTZ	.er
0				0.00-4.57 CASING								
1				4.57-5.64 QUARTZ-SERICITE SCHIST								
				Light grey to pale greenish cream colour mod.								
2				foliated felsic lapilli tuff. Elongate off-								
				white lapilli(?) to 12X4 mm. Orange-brown								
3				lmnt stain on wx'd fracture sfcs								
				5.64-25.91 INTERMEDIATE VOLCANIC								
4				Steel grey, fine to locally medium								
				grained, with watery grey plag? (5-10%)								
5				phenos to 1 or 1.5 mm in								
				aphanitic matrix. Mod. foliated.								
6	≈70°		fault ground core, Bkn + gouge across 55 cm.	Traces to locally 5% carb over								
				intervals up to 30 cm; carb as								
7				irregular masses, bands parallel								
				fol. and as vns up to 7 cm.								
8				Ep diss and as rare hairline vlts.								
				Rock unit hard, competent,								
9				relatively unaltered.								
				Contact with underlying unit								
10	70		carb-ep vn 15 mm.	probably a fault; cannot obtain								
				orientation as contact at								
11				end of core run.								
				Volcanic moderately magnetic								
12				throughout; mag high shown on sfc								
				profile above topmost 25 m ±								
13				of hole.								
	75 55		15 mm sand + f. bkn on irreg fract.									
14			cb vn 7 cm.									
15			perv. lmnt below vein.									
	55											
16			qtz vn 8 mm									
17												
18			lmnt									
19												
20												
21			lmnt									
22												
23												

 PROJECT: HOLE NO. BC-94-02

Depth	MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS Zn ppm	Cu ppm	Au ppb	Ba ppm
0										
2										
4										
6										
8										
10	9.81 m py + cp blebs to 1.5 mm along margin of carb-ep vn; cp within "hydrothermal" mag masses a couple mm across		9.00	10.50	1.5	942606	96	107	<5	30
12			12.60	ahde	rock	443250				
14										
16										
18	19.95–25.91 Traces up as elongate lenses to ≈1 mm in length, + as blebs to 1.5 mm. Traces py		19.00	20.50	1.5	942607	78	178	<5	70
21	20.67–22.60 Say 0.25% py as subhedral rectangular xtals up to 4×7 mm (av. 3×2 mm)		20.50	22.00	1.5	942608	62	157	<5	20
			22.00	23.50	1.5	942609	102	130	<5	20

PAGE 2 OF 13 PROJECT: HOLE NO. BC-94-07

DEPTH (m)	% CORE REC	LITHOLOGY / STRUCTURE notes	Interval	GEOLOGICAL DESCRIPTION
23				
24				
25			25.91-32.51	QUARTZ - SER-CHL-PY SCHIST
				Light greenish grey, medium grained, moderately foliated. Fracture faces
26		? orientation		have somewhat greasy, talcose feel & lustre. Granular texture; felsic
27		80		lapilli tuff? w. pale grey ovoid
		S1		grains to 11 X 4 mm. Much less
28				py in lower half of interval.
29				Fault contact w. underlying unit.
			(28.10-29.33)	CHL SCHIST Dk green, medium
30				grained.
31				
32			32.51-39.46	CHL SCHIST. DK green, fine to
		60		med gr, watery grey qtz? or felsic
33	68	small shear		grains say 3 to 5 %, - up to 6 mm
	15	qz vn 14 cm w. py		X 2 mm, av. ≈1.5 mm. Protolith
34		qz vn 13 cm		prob. mafic to intermediate volc.
	75	25 mm f. bkn + gouge.		Much of unit sheared, finely crushed.
35				large fault at contact with
				underlying unit from 38.76 to 39.46
36				where 70 cm clayey gouge, crushed,
	65	5 cm f. bkn + gouge; ? orientation.		soft f. bkn core present.
37	40	27 cm f. bkn + gouge.		
38		6 cm gouge		
39	60°	~70 cm fault zone	39.46-52.10	QUARTZ-PY-SER-CHL SCHIST
				Pale brownish grey to medium green-
40				grey felsic lapilli tuff? Elongate
				clasts up to 3 X 30 mm, av. 2 X 5
41				mm for "lapilli". More py. than
				in schist from 25.91-32.51 above.
42				Lapilli (?) visible as pale grey, felsic,
				elongate streaks and lenses.
43				Discrete contact @ 85° with
				underlying unit.
44			(43.80)	Bleached pale creamy grey across 20
				cm
45				
46				

ALTERATION: A chl, B ser, C [illegible], D carb, E mag/?; FRACTURE INTENSITY; % VEIN QTZ

 PROJECT: HOLE NO. Bc94-03

Depth	MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	WIDTH	SAMPLE NUMBER	Zn ppm	Cu ppm	Au ppb	Ba ppm
23			23.50	25.00	1.5	942610	128	126	<5	30
			23.07	whole	rock	560531				
25			25.00	25.91	0.91	942611	96	93	<5	10
	26.25 20% py in band 8 mm wide									
			25.91	28.10	2.19	942612	28	15	<5	160
27										
29	29.33 20% py diss across 3 cm at contact.									
31										
	32.72 Traces f. diss cp along lower contact where qtz vn with py		32.51	34.01	1.5	942613	32	22	<5	250
33										
35			35.10	whole	rock	560532				
37										
	38.10 70% diss py in band 5 cm wide.									
39	38.76-39.46 Grey sooty py bands to 2 cm wide within fault zone.									
41			41.50	43.00	1.5	942614	16	15	<5	140
44	44.95 5% py as bright elongate blebs within band 25 mm wide ∠ 60° to c.a.		44.08	whole	rock	560533				
			44.20	45.70	1.5	942615	8	14	35	110
46										

PAGE 3 OF 13 | PROJECT: | HOLE NO. BC 94-03

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A chl	B ser	C qtz	D carb	E biot	FRACTURE INTENSITY	% VEIN QTZ.
46											
47				~4 cm gouge + f. bkn; ? orientation.							
48		60		20 cm soft, f. bkn core and pale green gouge.							
49											
50				lapilli to 7x26 mm; streaky; faint margins.							
51											
52		75		52.10–78.87 QUARTZ – SER – CHL SCHIST							
				~3 cm f. bkn + gouge. Even coloured light greenish grey							
53		70		~3 cm gouge; ? orientation. with medium grey streaks below							
				~2 cm gouge + f. bkn @ 70°. 71.20 m. Medium grained							
54				felsic volcanic (tuff?) with some grains av. 1 to 2 mm. Moderately							
55				foliated throughout @ 80° to 85°.							
				~40 cm soft, f. bkn + gouge @ ≈ 70°. Sericite on fracture sfces has							
56				talcose lustre & feel. – Less py than overlying unit: Gradational							
57				contact across 15 cm ± with underlying lapilli tuff.							
58				~30 cm soft crushed f. bkn + gouge @ ≈ 75°							
59		25									
60											
61				~6 cm clayey gouge + f. bkn @ 25°.							
				~35 mm gouge + f. bkn; ? orientation.							
62				Subround bluish qtz eyes							
63				throughout schist; say 20-5% above about 74 m depth							
64				0.5 to 1% from 74 → 78.87 m.							
65											
66		70		~2 cm f. bkn + gouge.							
67											
68		80									
69				~5 cm finely crushed core.							

PAGE 3a OF 13	PROJECT:	HOLE NO. BC 99-03

Depth	MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS				
46											
48											
50											
52											
54			53.70	whole	rock	560534					
56											
58											
60											
62											
64			64.56	whole	rock	560535					
66											

DEPTH (m) 69	% CORE REC	LITHOLOGY	STRUCTURE		GEOLOGICAL DESCRIPTION	ALTERATION A chl	B ser	C qtz	D carb	E biot	FRACTURE INTENSITY	% VEIN QTZ.
				52.0-78.87	QUARTZ-SER-CHL SCHIST continued							
70		85		4 cm f. bkn + gouge								
71		85		4 cm f. bkn + gouge								
72					1% bluish qtz eyes to 1.5 mm.							
74				small qtz; < 5 mm; f. bkn + gouge								
79		65		78.87-90.35	FELSIC LAPILLI TUFF							
				25 mm f. bkn + gouge	Light greenish grey, medium grained with say 50% streaky lensoid lapilli av. 7 mm, many > 20 mm X 5 mm. Harder, more competent rock unit than overlying unit! Moderately foliated. Below 88 m depth rock soft crushed with increasing amount of sericitic gouge to 90.35 m (bottom of interval). Gradational contact w. underlying unit							
85		65, 75	S1	2 cm gouge + f. bkn								
				(89.61-91.51)	Fault zone. Soft, crushed f. bkn core and gouge; @ approx 75° to c. a.							
88		70, 80		90.35-96.66	SERICITE-QUARTZ-CHLORITE SCHIST. Medium to light greyish green medium to coarse grained intermediate ash tuff (?) w. -cc. avoid pale grey felsic lapilli to 5 or 16 mm in length! Moderately foliated: some segregation of chl into bands or laminae 1							
89				12 cm soft bkn + gouge. 23 cm f. bkn gouge @ 39°								
92												

PAGE 4a OF 13	PROJECT:	HOLE NO. BC94-03

Depth	MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS Zn ppm	ASSAYS Cu ppm	ASSAYS Au ppb	ASSAYS Ba ppm
69										
71	71.27 Subhedral rectangular cright py xtals to 1 x 2 mm.									
			72.47	whole rock		560536				
73										
75										
77	77.77 cp ?? traces.		77.37	78.87	1.5	942616	156	36	<5	410
79										
81										
			82.07	whole	rock	560537				
	- Local traces f. diss py									
83										
85										
87										
90										

PAGE 5 OF 13 PROJECT: HOLE NO. RC 94-03

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE		GEOLOGICAL DESCRIPTION
92		74			to 3 mm wide in upper part of
		63		51	interval. Gradational contact over
93		80		4 cm crushed + gouge.	about 1 m with underlying lapilli tuff.
94 - 3 cm gouge - bkn.				dusty red diss hem	Decrease in ser, brecciation; increase in silicification with
				in oxd qtz vlt. 4.5 cm gouge + f. bkn @ 80°.	depth.
95		70		5 cm gouge + f. bkn	
		75		(93.72-94.39)	FELSIC LAPILLI TUFF As for 78.87-92.35 above.
96				3 cm gouge + f. bkn.	
		20			
97				96.66-106.04	FELSIC → INTERMEDIATE LAPILLI TUFF.
98				bluish white qtz vlt 5 mm.	Medium greenish grey to light grey-green; Much of the unit
99					has a bluish cast due to the presence of blue silica which appears to
100				local red hem stain.	have indurated some lapilli. Blue silica content increases with depth.
101					Lapilli up to 20 X 50 mm; form ≥ 35% rock volume.
102		34			
103		65		5 cm crushed core.	
104		80		3 mm pale grey gouge	
				19 cm pale	grey gouge + f. bkn core.
105		75		22 mm bluish qtz vn (?)	
106		80		106.04-121.90	MAFIC VOLCANIC/CHL SCHIST.
				55 mm blue qtz bands + lenses + vn (?)	Dark green to medium greyish green with local smokey blue
107					silicified bands. Generally fine grained. Moderately foliated with some
108				blue banded vein? qtz @ 80°, 53 cm wide.	segregation of chlorite. Relatively competent rock unit broken into
109					pieces av. 2 to 7 cm in length.
110				3 cm pale green gouge + f. bkn.	Most of chl likely primary, not an alt'n product. Poss.
111		80		80° 10 cm	local bright green secondary
				f. bkn + gouge	amphibole.
112		70		3 cm f. bkn + gouge.	
113				local red-brown	hem stain on fracture sfces.
114		80		5 mm	waterly green to off white qtz vn @ 80°.
		80		2 cm gouge + f. bkn	
115				lapilli to	3 mm, some ovoid blue qtz grains to 4 x 8 mm as well (? lapilli)

ALTERATION: A chl, B ser, C qtz, D carb, E hem; FRACTURE INTENSITY; % VEIN QTZ.

 PROJECT: HOLE NO. BC 94-03

Depth	MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS Zn ppm	ASSAYS Cu ppm	ASSAYS Au ppb	ASSAYS Ba ppm
92										
94			93.72	whole	rock	560538				
96										
	and trace fine diss py									
98										
100										
102			102.54	whole	rock	560539				
104										
106										
108			107.75	108.75	1.0	942617	106	21	<5	40
110										
113										
	113.94 m 0.5% f. diss brown									
	[illegible]lerite ??		113.50	115.00	1.5	942618	126	1	<5	10

 PROJECT: HOLE NO. PC 94-03

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE		GEOLOGICAL DESCRIPTION	ALTERATION A chl	B ser	C qtz	D carb	E biot	FRACTURE INTENSITY	% VEIN QTZ.
115				106.04–121.90	[illegible] VOLCANIC / CHL SCHIST							
116					continued							
117												
118			85	S1								
119												
120			55	121.90–126.04	QUARTZ-SER-CHL SCHIST							
				qtz vn 16cm	Light grey with local medium greenish							
121					grey sections, medium grained moderately							
					foliated. 5 to 10% elongate felsic							
				6 cm f. bkn;	lapilli(?) in upper third of interval;							
122			30	? orientation.	these to 20 mm long. Minor amount of							
					shearing along contact with underlying							
123				7 mm pale grey gouge + f. bkn.	unit.							
124			88	20 mm f. bkn								
125				126.04–128.26	FELSIC LAPILLI TUFF (?)							
			90	30 mm f. bkn + gouge.	Medium bluish grey to light							
126				6 cm f. bkn	greenish grey fine grained with							
				? orientation	lapilli av. 6 to 8 mm in length; max.							
127					26 X 4 mm. Lapilli say 55% rock							
128					volume. Discrete contact @ 85° with							
					underlying mafic volcanic.							
129				128.26–134.94	MAFIC VOLCANIC / CHL SCHIST							
					As for 106.04–121.90 above							
130					except this interval slightly more							
			75		foliated.							
131				qtz (99%) - cb (1%) vn 4 cm.								
132			65									
133			76	35 mm f. bkn + chloritic gouge.								
				134.94–138.93	FELSIC LAPILLI TUFF. Light grey to							
134				qtz vn 7 cm	medium, greenish grey, medium							
			75		grained with lapilli av. ≈ 12 mm							
135			35	13 cm clayey gouge + f. bkn.	in length, max. 33 mm. Lapilli ≈ 20%							
					rock volume remainder fine to med. gr.							
136					ash tuff. Mod. fol., foliated							
				4 cm f. bkn + chloritic gouge	Lower contact gradational across ≈							
137			80		25 cm							
			70	top big qtz vn								
138				bottom big qtz vn.								

 PROJECT: HOLE NO. BC94-03

Depth	MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS			
115										
117										
119			118.83	whole	rock	560514				
	Tr diss py									
121										
123										
125			125.05	whole	rock	560515				
127	Tr diss py									
129										
131										
133										
			13[illegible]	whole	rock	560516				
136										

DEPTH (m) 133	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A chl	B ser	C qtz	D carb	E biot	FRACTURE INTENSITY	% VEIN QTZ.
				133.93–151.80 QUARTZ-SER-CHL SCHIST							
139				Pale grey to light greenish grey,							
			poss. cont.; ? orientation.	fine grained moderately foliated;							
140				felsic tuff protolith? Less sericite							
				than previous – less than seen in							
141		78	S1	first two holes, and also a little							
				more silica-indurated harder rock in							
142	?	70		this hole. Probable fault at							
			15 mm f. bkn + gouge.	contact with underlying unit;							
143			top qtz vn	core finely crushed below 149.96 m.							
			qtz vn;	white with ≈ 2% wallrock xenos; no sulphides seen.							
144	? ?		bottom	contact bkn core; ? orientation.							
145		75	8 cm soft	f. bkn + gouge; ? orientation							
			20 mm f. bkn	+ gouge.							
146				Below 145 m local tr dusty diss hem							
147			12 cm off-	white clayey gouge + f. bkn core; ? orientation							
148											
149			(150.82–151.08)	QUARTZ-PY-SER SCHIST 3% py							
150		55									
				151.80–156.32 SERICITE-HEMATITE-QTZ SCHIST							
151			13 cm clayey gouge + f. bkn	Brick red to light reddish grey							
		65		with local orange patches. Fine grained							
152			15 mm clayey to off-white gouge	moderately to intensely foliated							
				with banding on mm scale.							
153				5 to 10% hem within bands and							
				as pervasive stain. Little or							
154				no chlorite present. Fault contact							
				with underlying unit.							
155											
156		80	156.32–160.61 S1	SER-QTZ-CHL SCHIST. Light grey-							
		70		green to pale grey, medium grained							
157		56 50	4 cm gouge + f. bkn core	ash tuff? w. larger grains 2-3 mm.							
			qtz vn 7 cm; qtz vn 6 cm	Traces diss py and local tr							
158			30 cm soft, crushed + gouge.	dusty diss red-maroon hematite.							
		50 30		Discrete contact w. underlying							
159			12 cm f. bkn + gouge	unit @ 75°. underlying							
			qtz vn 17 cm wide	unit is similar except for more							
160		20		alt and hem, less ser, less chl							
75 contact				and less py. Protoliths prob.							
161			2 cm off-white gouge + f. bkn	felsic ash tuff, medium to							

PAGE 7a OF 13	PROJECT:	HOLE NO. Bc 94-03

	MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	TO	WIDTH	SAMPLE NUMBER	Zn ppm	Cu ppm	Au ppb	Ba ppm	MAG. SUSCEPT.
138											
	Tr diss py										
140											
142	Traces diss py										
144											
	traces diss py										
146			145.66	whole	rock	560517					
148											
150			150.00	151.50	1.5	942619	594	305	20	340	
152											
154			153.66	whole	rock	560518					
156											
	Tr diss py										
158											
	Tr diss py										
160											

 PROJECT: HOLE NO. BC94-03

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A chl	B ser	C qtz	D carb	E biot	FRACTURE INTENSITY	% VEIN QTZ.
161											

coarse grained for both units.

160.61–172.64 QUARTZ-SER-HEM SCHIST. As for 156.32–160.61 above except as noted above. Reddish grey above 167.54; pale grey with reddish cast below 167.54. Gradual decrease in hem content with depth; hem say 5–10% from 160.61–160.81, 2% from 160.81–167.54 and 0.5 to 1% from 167.54–172.67. Also slight decrease in grain size down hole. Discrete contact @ ≈ 80° with underlying chl schist. Rock faintly foliated; moderately foliated with only minor segregation of minerals.

172.64–173.20 CHL SCHIST Medium green to light brownish green, fine grained moderately foliated with 0.5% blue qtz eyes 1 to 2 mm across. Pale brown spots 1 to 4 mm diameter may be reworked amygdules? Rock cut by watery grey qtz vlts 3 to 4 mm wide @ 40° & 70° to c.a. Lower contact discrete @ ≈ 80°.

173.20–175.49 FELSIC ASH TUFF (?)/QTZ-SER-HEM ROCK. Light brownish grey to pale grey-orange, fine to medium grained with grains av. <0.5 mm, occ. larger grains to 3 or 4 mm. Rock indurated with silica, no sericite-coated fractures parallel foliation.

175.49–176.21 CHL SCHIST As for 172.64–173.20. Dyke??

176.21–187.91 FELSIC ASH TUFF (?)/QTZ-HEM ALTD ROCK Similar to 173.20–175.49. Dark brick red to medium reddish grey with local light blue grey intensely silicified sections from 176.37–177.74, 178.55–179.21. These silicified sections hairline off-white fractures – minor brittle deformation has occurred.

Structure / margin notes:
- 60, 70 – qtz vns to 6 cm w. chl along selvages. No sulphides seen.
- 65, 80 – 2 cm gouge + f. bkn. – white qtz vn w. bn ??
- 78 – 15 mm gouge
- 65 – 52? fold axes @ ≈ 65°.
- 70 – qtz vn 2 cm.
- 75, 63 – 6 cm gouge + f. bkn. – 7 cm f. bkn + gouge.
- 183.10 m ± mislatch; lost core.

Depth scale: 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184

 PROJECT: HOLE NO. BC 94-03

Depth	MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS Zn ppm	ASSAYS Cu ppm	ASSAYS Au ppb	ASSAYS Ba ppm	MAG. SUSCEPT.
161											
163			162.80	whole	rock	560519					
165											
167			167.69	168.26	0.57	942620	90	653	240	140	10 ppm Ag
	168.16 m 2% purple sulphide (bornite??) across 4 cm as										
169	≈ rectangular masses to 2x4 mm in white qtz vn										
171											
173			172.34	whole	rock	560520					
175											
177											
179											
			61.35	whole	rock	560521					
182											
184											

PAGE 7 OF 13 | PROJECT: | HOLE NO. BC 94-03

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION		ALTERATION A chl	B ser	C qtz	D carb	E biot	FRACTURE INTENSITY	% VEIN QTZ.
184					Relatively sharp discrete contact with underlying unit 1. Rock unit sim. to that in bottom of unit 2 except here more hematite.							
185												
186												
187				187.91–190.89	LAPILLI TUFF. Reddish grey to brick red coarse grained with lapilli av. 15–20 mm, max clast size 50 mm+ (> lapilli size). Fault contact @ 82° w. underlying unit							
188			contact									
189		70		S1(?)								
190				190.89–193.56	FELSIC ASH TUFF Medium greyish blue to light brownish grey with local brick red hematite-stained sections. Generally fine grained; occ. lapilli. Gradational contact across say 20 cm w. underlying unit. Hard, silica-indurated							
191		82		brick red hem; 20 mm gouge + f. bkn.; blue sil'd w. hairline fractures, local red hem along fractures; brick red hem								
192												
193												
194		60		193.56–198.33	FELSIC LAPILLI TUFF. Medium brownish grey to brick red to pale grey, medium grained ash tuff matrix. Say 20% lapilli with faint boundaries, av. ≈15 x 5 mm, max. > 40 mm in length. Gradational contact w. underlying unit.							
195				5 mm f. bkn.								
196												
197												
198		75		15 mm f. bkn + gouge								
199				198.33–206.68	FELSIC ASH TUFF. Medium grey-brown to steel grey to light brown, medium grained, moderately foliated. Less than 0.5% bluish qtz eyes. Locally intensely silica-indurated. Occ. faint lapilli 10 to 30 mm throughout ≈ 3 or 4% rock volume. Grey-green sericite along faults, otherwise only traces. Say 1–2% diss black biotite throughout							
200												
201		75, 60		13 mm qtz vn; 8 mm f. bkn + ser on; lower margin sil'd interval								
202												
203				S1 @ 70°								
204		65		3 mm pale grey ser gouge	on lower margin silicified interval.							
205				206.68–248.74	FELSIC LAPILLI TUFF Medium brownish grey to light greyish brown, local bluish-grey silica-indurated bands. Moderately foliated. Coarse grained with							
206		70		15 mm ser + gouge								
207												

PAGE 9a OF 13 PROJECT: HOLE NO. BC94-03

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS				MAG. SUSCEPT.
184										
186										
188										
190										
192										
194										
196										
198										
		199.77	whole	rock	560522					
200 Tr diss py										
202										
205										

PROJECT:

HOLE NO. BC97-03

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE		GEOLOGICAL DESCRIPTION	ALTERATION A chl	B ser	C qtz	D carb	E biot	FRACTURE INTENSITY	% VEIN QTZ.
207					lapilli av. ≈ ? < 25 mm; say ~65 % lapilli. Approx 01% black biotite throughout.							
208		35										
209				25 mm f. bkn + gouge.								
210		25										
211												
212				2 mm clayey gouge								
213				52 cm ?	folded qtz-rich cand.							
214		73										
215					Below 215 m depth core somewhat broken; in buttons av. 1.5 to 2 cm wide; more friable, brecciated and faulted than seen higher in hole.							
216												
217				(217.63-218.91)	Fault zone; ground core. Moderately to intensely brecciated; moderately broken core. Clayey gouge + f. bkn core 15 to 25 mm thick along faults @ 70°.							
218	70		flt zone.									
219												
220												
221												
222												
223		75		15 mm gouge + f. bkn								
224				20 mm f. bkn + sericitic gouge; ? orientation.								
225												
226												
227												
228												
229					Below 229.0 lapilli tuff medium brown to brick red with local green and grey bands; more pervasive hematite than seen							
230		80		10 mm f. bkn + ser								

PAGE 2a OF 13 | PROJECT: | HOLE NO. BC94-03

Depth	MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS Zn ppm	ASSAYS Cu ppm	ASSAYS Au ppb	ASSAYS Ba ppm	MAG. SUSCEPT.
207											
209											
			210.00	whole	rock	560523					
215											
217											
219											
			220.12	whole	rock	560524					
221											
223											
225			225.50	227.00	1.5	942621	146	6	<5	360	
	Tr dks py										
228											

 PROJECT: HOLE NO. BC-94-03

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A chl	B ser	C qtz	D carb	E hem	FRACTURE INTENSITY	% VEIN QTZ.

230

higher in interval. [illegible]

[illegible] where

231 more abundant hematite and

35 / 20 — >51 sericite; less pervasive

232 40 — silicification has occurred

233 Say average about 10% hematite

15 cm f. bkn + gouge. — pervasive stain esp. staining matrix

234 < 20 mm gouge + f. bkn — below 229.0 m depth. down to 248.74 m.

70 — 10 mm gouge + bkn

235

80 — 14 cm f. bkn + orange (limonitic?) gouge.

236

237

238 (238.36-238.85) Fault zone. Soft, finely crushed core + gouge along fractures @ ≈ 70°.

≈70°

239

70

240 70 — 11 cm gouge + f. bkn.

241 40 — qtz vn 63 cm wide w. elongate masses 0.75 x 5 mm of specular hematite (?); flts @

22 cm

242 40 — f. bkn + gouge. — 70° along both upper + lower margins

8 cm f. bkn + gouge. also in 3 pieces.

243

244 — 39 cm finely bkn core + ≈10% gouge; flt zone.

245

— 30 cm gouge + f. bkn @ ≈ 50° to c.a.

55 — 248.74-259.13 INTERBANDED ASH TUFF (70%) and LAPILLI TUFF (30%).

246 50 — 4 cm pale brown qtz vn.

75 — 7 cm f. bkn — Medium brown-grey to dark-grey to

247 6 cm hem stained qtz vn. — dark brick red, fine grained

40 — 4 cm gouge + f. bkn. orient. — ash tuff bands often finely banded

248 — 2 cm f. bkn + gouge. — on a mm scale. More pervasive

70 — silica than in overlying units; less hematite and less sericite.

249 — qtz vlt 4 mm @ 20° cutting into silicified tuff.

20

250 (248.74-250.03) Light bluish grey, intensely silicified tuff.

251

252 85 — 17 mm sericitic gouge + f. bkn

85 — 23 mm f. bkn + gouge

253

PAGE 11 a OF 13 | PROJECT: | HOLE NO. SC-94-03

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	FROM	TO	WIDTH	SAMPLE NUMBER	Zn ppm	Cu ppm	Au ppb	Ba ppm	MAG. SUSCEPT.	COND.
		232.05	whole	rock	560525						
		239.60	240.23	0.63	942622	74	4	<5	640		
		241.80	whole	rock	560526						
sample of bluish grey intensely		248.74	250.03	1.29	942623	118	6	<5	180		
silicified tuff cut by late		249.12	thin	section	sample						
off-white qtz vlts!											
Sample for thin section											
from 249.12 m depth.											
		252.70	whole	rock	560527						

 PROJECT: HOLE NO. 3C-94-03

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A chl	B ser	C qtz	D carb	E biot	FRACTURE INTENSITY	% VEIN QTZ.
254											
255											
256											
257											
258		75	S1	257.13 – 269.54 LAPILLI TUFF / QUARTZ-SER SCHIST. Medium greyish brown to dk reddish brown, medium grained, moderately foliated. Locally abundant grey sericite coating fracture sfes in broken intervals at faults. Lapilli av. ≈12 to 15 mm. Reddish brown hematite as perv. stain and coating fracture sfcs obscures rock. Say 5 to 7% hem throughout. No magnetite nor sulphides seen. Silica content decreases with depth. Say 3% fine black biotite flakes below 366.70 m depth; protolith here likely intermediate lapilli tuff. Fault contact with underlying unit.							
261		50; 70	18.5 cm soft, f. crushed + gouge; 10 mm gouge + f. bkn								
263		65	5 mm gouge								
264		50	S1								
266		76	15 mm gouge + f. bkn.								
267		80; 80	4 cm qtz vn along flt w. 30 mm f. bkn + gouge								
268				269.54 – 273.67 SILICIFIED ASH TUFF / QTZ (-SER) SCHIST. Dark grey to brick red, fine gr, moderately foliated + bx'd with abundant randomly oriented hairline fractures. Hem content increases with depth; no magnetite seen. Fault contact w. underlying unit.							
269		80; 60	4 cm white qtz vn; 3 cm ser gouge + f. bkn								
271			10 cm f. bkn + gouge; ? orientation								
272		80; 35	12 cm soft, crushed + gouge								
272			S2; small Z folds ≈5 mm amplitude.								
273		80	6 cm grey + brick red (hematitic) gouge + f. bkn.								
273		≈50; 65	4 cm gouge + f. bkn along contact.								
274			12 mm pale grey gouge; broken fractures	273.67 – 275.26 QUARTZ EYE LAPILLI TUFF / QUARTZ-SER SCHIST. Reddish grey-brown, medium grained with lapilli av 8 – 10 mm; say 30% lapilli-size clasts. Unit moderately bx'd and finely fractured							
275		62	≈5 cm f. bkn + gouge along contact.								
276											

 PROJECT: HOLE NO. BC94-03

Depth	MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS Zn ppm	ASSAYS Cu ppm	ASSAYS Au ppb	ASSAYS Ba ppm	MAG. SUSCEPT.
253											
255											
257											
259											
261	No sulphides seen in these rx.										
263			263.23	whole	rock	560528					
265											
267											
269											
271			271.00	272.50	1.5	947624	86	19	<5	1370	
274			273.92	whole	rock	560529					

 PROJECT: HOLE NO. BC 94-03

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE		GEOLOGICAL DESCRIPTION
276					w. red hem along fracture sfcs. 2 to 3%
					subround blue qtz eyes to 4 mm diam.
277					Fault contact w. underlying unit.
				276-282.64	FELSIC ASH TUFF/QTZ-SER
278					SCHIST Light brown to light brownish
					grey, reddish brown in lowermost 54 cm.
279					Fine grained (av. 0.3 mm) with larger
					clasts up to 1X2 mm. Little segregation
280		75		10 cm white qtz vn	of mafic & felsic minerals. 1 to locally 5%
		60		15 cm f. bkn, gouge +	hem as perv. stain & lining fractures. Fault
				bkn qtz pieces bkn vn qtz	contact 3 mm gouge on fracture @ 25° w.
281		80		15 mm gouge	underlying unit.
		80		282.64-284.37	INTERMEDIATE VOLCANIC FLOW (?)
282		25		mm gouge +	CHL-QTZ(-SER) SCHIST. Medium
					brownish green, moderately foliated, medium
283					grained with pale cream plag(?) phenos
					elongate to 0.8X1.5 mm in size. 0.5% bluish
284				3 mm gouge	qtz eyes to 1 mm. No carb. Rare tr.
					calcite.
					284.37 m
					END OF HOLE

ALTERATION: A chl, B ser, C qtz, D carb, E biot; FRACTURE INTENSITY; % VEIN QTZ.

PAGE 13a OF 13 | PROJECT: | HOLE NO. BC 94-03

	MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	FROM	TO	WIDTH	SAMPLE NUMBER	Zn ppm	Cu ppm	Au ppb	Ba ppm	MAG. SUSCEPT.
276											
278											
280											
282											
			282.64	284.37	1.73	942626	104	44	<5	460	
			284.19	whole	rock	560530					
284											

PAMICON
DEVELOPMENTS LIMITED

DRILL LOG

PROJECT
BELL CREEK

GROUND ELEV.
1350 m

HOLE NO.
BC94-04

BEARING
090°

LOCATION
L 16+00 N
2+00 W

DIP
-60°

TOTAL LENGTH
252.98 m

LOGGED BY DAVID PAWLIUK

HORIZONTAL PROJECT

DATE Nov. 4 → /94

VERTICAL PROJECT

CONTRACTOR
BEAUPRÉ DIAMONDRILLING (1990) LTD.
PRINCETON, B.C.

ALTERATION SCALE

0 1 2 3

absent
slight
moderate
intense

CORE SIZE
NQ

DATE STARTED
OCT. 31, 1994

DATE COMPLETED
NOV. 4/94

TOTAL SULPHIDE SCALE

0 1 2 3 4

traces only
< 1%
1% – 3%
3% – 10%
> 10%

DIP TESTS
SPERRY SUN @ 186.54 m – -55.5° @ 082° Az
SPERRY SUN @ 248.41 m -55°, 080° Az.
Acid test @ 138.07 m -56.5° inclin.
Acid test @ 138.07 m -52.5° inclin.

COMMENTS

LEGEND

PAGE 1 OF 11 PROJECT: Bell Creek HOLE NO. BC94-04

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	A chl	B ser	C qtz	D carb	E biot	FRACTURE INTENSITY	% VEIN QTZ
0				0.00-1.83 CASING							
1				1.83-25.49 QUARTZ-EPIDOTE-CHL SCHIST							
				Light grey-green to pale green; red brown to orange brown mnt coats fracture sfcs. Medium grained; av. 1 to 1.5 mm diameter. 1 to 2 % pale bluish grey quartz eyes up to 7 mm across decreasing to <0.5% av. 1 mm below 19.0 m depth. Moderately foliated. Epidote occurs as irregular bands and wispy lenses mainly subparallel foliation @ 50 as vlts av. 1 to 2 mm wide which are often distorted and locally kink-folded (amplitudes of 16 or 8 mm across). Hard, competent rock; locally moderately bkn into pieces 2 to 4 cm across but appears to be good core recovery. Wkly to moderately magnetic above 6 m depth; not magnetic below 6 m where tested except for 22.75-23.75 m. Av. 5% epidote, locally to 30% over 25 cm; ep content decreases a little w. depth. Tr to 0.5% red brown hematite along fractures throughout interval. Say 2% biotite, black fine flakes throughout.							
5.5		55	S1								
7.5		55	S2 kink folds in ep vlt.								
10		65	1/2 vlt 3 mm x cuts; bleached pale green ep band ∠ =35°								
15				bleached, pale pink-green interval 16 cm wide; mod. silicified & epidotized.							
21		60	S1								
22			ep vlt 3 mm								
23		65									

PAGE 1a OF 11 | PROJECT: | HOLE NO. SC94-04

Depth	MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS Zn ppm	ASSAYS Cu ppm	ASSAYS Au ppb	ASSAYS Ba ppm	[illegible] SUSCPT. [illegible]
0											
2											
			3.70	whole	rock	560540					
4											
6			6.10	7.60	1.50	942627	62	8	<5	40	
	6.70 subhedral brown sphalerite ?? xtals 2 mm across w. py xtal inclusions <0.5 mm.										
8											
10											
12											
14											
16			15.78	whole	rock	560541					
18											
21											

 PROJECT: HOLE NO. 8C97-04

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION		ALTERATION A chl	B ser	C qtz	D carb	E biot	FRACTURE INTENSITY	% VEIN QTZ.	ep
23–24													
25				25.49-42.43	QUARTZ-CHL SCHIST								
					Colour variable; interbanded medium								
26		68		52? fold axial plane.	green to light greyish green to pale creamy grey. Mostly fine grained								
27		50		S1	with local medium grained interbands say 30%. Moderately foliated.								
28					Medium grained sections as for overlying unit; these contain 5% ep.								
29					Contact with underlying unit approx. discrete, parallel foliation, @ 70°.								
30–35													
36		64 / 10		tr carb in	hairline vlt								
				watery grey	qtz vlt 4 mm @ 50° X-cuts yellow-green								
37				pale ep	band 6 cm wide @ 50°.								
38–39													
40		67		S1									
41													
42 (70° contact)		55		42.43-60.71	QUARTZ-EPIDOTE-CHLORITE SCHIST								
				15 mm gouge + + bkn	As for 1.83-25.49 above except								
43				hematitic gouge.	here epidote more disseminated and as small (av. < 7 mm) irregular								
44					masses rather than in mostly bands and vlts in upper								
45				mod sil'd band 6 cm wide w.	interval. Also more abundant								
				2% py	qtz eyes av. 2 or 3 % rock volume								
46		71			pale grey in pale bluish grey, av.								

 PROJECT: HOLE NO. EC 74-04

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS Zn ppm	ASSAYS Cu ppm	ASSAYS Au ppb	ASSAYS Ba ppm	MAG. SUSCEPT.	CONS
		26.70	whole	rock	560542						
5 mm grey py masses @ 29.00 m Py sly 1% rock volume across 30 cm.		28.30	29.80	1.50	942628	82	115	<5	230		
		36.98	whole	rock	560543						
		45.00	46.50	1.5	942629	76	47	<5	150		
45.92 2% py over 6 cm in silicied + oxidized band;											

PAGE 3 OF 11 | PROJECT: | HOLE NO. DC 94-04

DEPTH (m) 46 | % CORE REC | LITHOLOGY | STRUCTURE | GEOLOGICAL DESCRIPTION | ALTERATION: A chl, B ser, C qtz, D carb, E mgt | FRACTURE INTENSITY | % VEIN QTZ

say 3.5 mm across; qtz veins decrease in size and abundance down hole. Also somewhat more segregation of mafics and felsics here than above; faintly banded throughout. Fault contact with underlying unit. Protolith prob. lapilli tuff; say 10% lapilli av. 10-15 mm, max 30 mm. Lapilli (?) elongate, often with faint margins.

50 — watery grey qtz vn 12 mm.

50 — 30 mm qtz vn.

Depths: 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69

30 — (59.69-60.71) QUARTZ-HEMATITE SCHIST

Medium grey-maroon, medium grained. Say 10% maroon red hematite as pervasive stain and as hairline to 2 mm ... its mainly subparallel foliation. Short interval of hem-altd rock adjacent to fault. Fault contact w. underlying unit.

45 — 6 mm finely crushed rock.

30 — 14 on fracture

11 cm bkn core + gouge; say 60% white bkn qtz in fault interval.

60 — 3 mm hematitic gouge

60 carb vlts @ 80.

60.71-64.09 CHLORITE-EPIDOTE SCHIST

Banded medium green (chl) and pale green (ep) fine to medium grained with larger grains, say 1.5 mm. Moderately magnetic; 1% black subhedral magnetite xtals max 1.5 mm av. 0.5 mm disseminated throughout. Epidote mainly within bands parallel foliation. Traces diss. reddish hematite. Local faint lenses and bands of watery grey qtz up to 3 mm wide, subparallel foliation; qtz

60

70 — 51

20 cm f. bkn + hematitic gouge.

70 — 35 cm f. bkn core + gouge; ? orientation.

66 40 mm

20 mm f. bkn; dusty red hem.

PAGE 3a OF 11 PROJECT: HOLE NO. BC94-04

Depth	MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	WIDTH	SAMPLE NUMBER	ASSAYS Zn ppm	Cu ppm	Au ppb	Ba ppm	SUSCEPT.
46											
48			47.79	whole	rock	560544					
50											
	51.03 subhedral py xtal 4 mm.										
52											
	53.15 – 53.35 0.5% diss py cubes to 1 mm.										
54											
56											
			57.05	whole	rock	560545					
58			58.19	59.69	1.50	942630	72	61	<5	190	
	59.08 1% py as spots to 2 mm on fracture sfc @ 45°		59.69	60.71	1.02	942631	54	55	<5	40	
60			60.71	62.21	1.50	942632	94	133	<5	30	
62											
64											
			66.90	whole	rock	560546					
69											

PAGE 1 OF 11 | PROJECT: | HOLE NO. BC 94-04

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE		GEOLOGICAL DESCRIPTION	ALTERATION A chl	B ser	C qtz	D carb	E biot	FRACTURE INTENSITY	% VEIN QTZ.	ep
69					maybe 2% rock volume.								
70				64.09-80.78	QUARTZ-EPIDOTE-CHLORITE SCHIST/								
				py to 4mm	QUARTZ EYE TUFF w. occ.								
71					LAPILLI. As for 42.43-60.71 except								
					here fewer lapilli, ≠5% rock volume.								
72					Also this interval contains local								
		35			bleached pale greyish brown,								
73		60			moderately silicified sections up to								
					1.22 m wide. Also qtz eyes								
74	80	15		3 mm gouge + f. bkn.	are abundant + smaller than above.								
				7 cm f. bkn + ser. gouge.	Gradational contact over few cm w								
75		62		qtz vn 5 cm; qtz vlt 5 mm	underlying unit.								
5 mm gouge + f. bkn.		60		(69.57-70.10)	Bleached pale greyish brown, silicified.								
76				(73.00-74.22)	" " " " "								
25 mm f. bkn + gouge; perv. hem.				qtz vn 13 mm	; subparallel c.a.								
77													
		65											
78				S1									
79				79.30	lapilli(?) 12x50 mm - thin section of this.								
				80.78-90.82	CHL-QTZ-EP SCHIST/ MAFIC								
80					VOLCANIC. Dark green with								
					local medium green, light green and								
81					black bands, fine to locally medium								
		15			grained; largest grains up to 3								
82				qtz vn 19 mm.	mm x 1 mm, av. <0.5 mm.								
					Moderately foliated; rare lapilli(?) <5%								
83		15		white carb vlts up to 0.8 mm wide.	rock volume, max. 14x55 mm across.								
					Traces fine blebby cp. Subhedral to								
84					euhedral magnetite porphyroblasts up to								
					1.5 mm locally to 0.5 % rock								
85					volume. Discrete contact at 70°								
					with underlying unit.								
86													
87				irreg. white carb vlts to 2 mm wide.									
88													
				90.82-95.80	QUARTZ-EPIDOTE-CHLORITE SCHIST/								
89					QUARTZ EYE LAPILLI TUFF								
					As for 64.09-80.78 above except								
90					lapilli say 10% rock volume. V. fine								
					black biotite flakes 1-2 %. Gradational								
91	10				contact across 1.5 m with underlying								
				contact	unit.								
92													

PAGE 4a OF 11 PROJECT: HOLE NO. BC94-04

Depth	MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS Zn ppm	ASSAYS Cu ppm	ASSAYS Au ppb	ASSAYS Ba ppm	MAG. SUSCEPT.
	70.30 1% py as needles to 4 mm.										
71											
73											
			73.80	whole	rock	560547					
	74.33 speck cp 1.5 mm w. sph?		74.00	75.50	1.5	942633	72	36	<5	300	
	in white qtz vn.										
75			75.50	77.00	1.5	942634	66	52	<5	410	
	76.38 cp? speck										
77	76.94 cp specks to 0.5 mm		77.00	78.50	1.5	942635	76	52	<5	650	
	77.95 cp speck										
			78.50	80.00	1.5	942636	78	71	<5	550	
79	79.28 cp speck										
			80.00	80.78	0.78	942637	72	123	<5	460	
	80.82 cp speck										
81			80.78	82.28	1.50	942638	80	118	<5	440	
	81.30 cp speck										
			82.28	83.78	1.50	942639	78	137	<5	510	
83			82.50	whole	rock	560548					
	84.09 cp speck		83.78	85.28	1.50	942640	96	177	<5	500	
85	85.27 cp specks		85.28	86.78	1.50	942641	96	171	<5	480	
	85.52 "										
	86.42 " "										
87	86.83 " "		86.78	88.28	1.50	942642	96	157	<5	360	
	88.00 " "										
	88.60 " "		88.28	89.78	1.50	942643	94	141	<5	190	
	~~89.40~~										
89			89.78	90.82	1.04	942644	90	155	<5	40	
	90.10 cp speck 1 mm										
			90.82	92.32	1.50	942645	86	35	<5	530	
	91.67 cp speck										
91											

PAGE 5 OF 11 PROJECT: HOLE NO. 8C 94-04

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A chl	B ser	C qtz	D carb	E biot	FRACTURE INTENSITY	% VEIN QTZ	ep
93												
94												
95				95.00: 8 thin wh qtz vns to 3 mm.								
				95.80-112.25 QUARTZ-BIOTITE-CHLORITE SCHIST								
96		70, 19	pale brown, intensely silicified	Medium grey; medium brownish grey to greenish grey below 105 m depth where rock more feldspathic. Moderately foliated.								
97-98		57	27 mm wide white qtz vn; 51	Generally fine grained, feldspar as blocky, brownish cream coloured phenos to 1 X 2.5 mm. Say 7% plag(?) grains throughout ab. 0.75 mm.								
99-100		70	20 mm wide moderately silicified band.	Local segregation of mafics into bands to 2 mm wide. Rare traces sulphide minerals.								
101-103				Say av. 2% blueish grey quartz eyes up to 4 mm across, av. 1 to 1.5 mm. Protolith intermediate volcanic (flow?).								
104				(104.40-104.70) Pale brown silicified.								
105		30, 12		qtz vn 6 mm wide ∠12°.								
106		55		(105.93) Blue qtz eyes to 3.5 mm								
				7 mm light green gouge + f. bkn.								
107				15 mm gouge + f. bkn ∠55°								
108				Light brown secondary biotite(?) locally to 2 or 3% rock volume								
109				20 cm finely to moderately bkn core + gouge; ? orientation.								
110		30		112.25-160.06 CHLORITE-EPIDOTE-QUARTZ SCHIST								
			12 mm white qtz vn w.cp.	Dark green to light green to black, mainly fine grained, moderately foliated.								
111-112		70		Occassional elongate lapilli av ≈ 10 mm long form 10 to 15% rock volume. Lapilli								
113			5 mm f. bkn.	usually lighter coloured, more felsic than matrix.								
114		75	8 mm gouge hematite	Local 0.5% red hem coating fracture surfaces. Say 5% ep av. Dry rock with rare sulphide specks.								
115												

PAGE 5a OF 11 | PROJECT: | HOLE NO. BC94-04

Depth	MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS Zn ppm	ASSAYS Cu ppm	ASSAYS Au ppb	ASSAYS Ba ppm	MAG. SUSCEPT.
92	92.04 cp speck		92.32	93.82	1.50	942646	88	27	<5	980	
	92.38 " "										
	93.23 " "		93.08	whole	rock	560549					
94			93.82	95.32	1.50	942647	76	20	<5	480	
	95.02 py + cp specks										
96											
	Traces diss py										
98											
100			100.50	102.00	1.50	942648	78	44	<5	1490	
	101.09 speck cp										
102			102.00	103.50	1.50	942649	68	81	<5	690	
	102.90 - 1% diss py to 1.5 mm blebs & cp? traces over 5 cm.										
	103.39 speck cp		103.18	whole	rock	560550					
104											
106											
	106.80 - 107.10 - 0.5% diss py										
108											
110	110.07 cp mass 10 x 3 mm in white qtz vn.		109.70	111.20	1.50	942650	74	134	<5	1320	
113			113.50	whole	rock	458851					
115											

 PROJECT: HOLE NO. BC 94-04

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A chl	B ser	C qtz	D carb	E biot	FRACTURE INTENSITY	% VEIN QTZ.	ep
115				irregular carb vns to 15 mm, wide with blocky, dk green pyroxene? xtals; sampled for thin section								
116	80		43; S2 fold axes	(116.20-116.70) S1(?) foliation @ ≈43° to c.a.; S1 @60-65° both above + below this interval.								
117			S1?									
118			50 cm mod. to finely bkn + gouge; ? orientation.	(118.30-122.50) EPIDOTE - CHLORITE - QUARTZ SCHIST / LAPILLI TUFF. As for adjacent schist except say 60% lapilli. Interval ≈12% epidote.								
119			60; S1									
120			20									
121				carb vlt 1.5 mm wide, white, offset up to 13 mm across microfaults which are oblique to foliation								
122												
123												
124				(124.38) black, biotitic rim 0-75 mm wide along margin of elongate lapilli clast 6 X 50 mm.								
125												
126			45									
127				127.75 m feldspar phenos to 2 X 0.5 mm; plag?								
128				16 mm green-black gouge + f. bkn core.								
129				Rock contains 3 to 5% black, fine biotite flakes throughout. Monotonous unit; occassional lighter coloured banded sections of very fine grained ash tuff which are more felsic and more epidote-rich (say av. 10%) than adjacent rock. More segregation of biotite into wavy bands up to 2 mm wide, also within fine interbands.								
130			68									
131			S1 (S0?)									
132												
133												
134				(129.90-130.70) Very fine gr. ash tuff interband @ 65°; fine lapilli tuff from 130.25-130.40 m. coarser clasts to 6 mm length.								
135												
136												
137			80	15 mm pale grey qtz vn.								
138				(138.08) 5% lapilli to 20 X 4 mm.								

PAGE 6a OF 11 | PROJECT: | HOLE NO. BC 94-04

Depth	MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS				
115											
117											
119											
			[illegible]24	whole	rock	[illegible]58852					
121											
123											
125											
127											
129											
			130.17	whole	rock	458853					
131											
133											
136											
138											

 PROJECT: HOLE NO. BC 79-04

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A chl	B sci	C Qtz	D carb	E biot	FRACTURE INTENSITY	% VEIN QTZ.	ep
133												
139												
140			70	med. grey banded qtz vn 3 cm.								
141												
142				(141.75) Traces brown secondary (?) biotite								
143												
144												
145												
146			65	S1 (50?)								
147				(147.05–147.60) Moderately silicified with ≈30% watery grey qtz-rich bands to 45 mm wide parallel foliation.								
148												
149				(148.15–149.71) Very fine grained ash tuff(?) interbanded on cm and mm scale.								
150												
151			70	50(?) ⟵ fine ash tuff interband 3 cm wide.								
152												
153												
154				irregular, discontinuous white carbonate vlts								
155				Below 155.75 m 30% light green ep-rich, ash tuff (?) interbands to few cm wide								
156			75	pale grey qtz vn 65 mm wide								
157			68									
158				3 cm f. bkn core + red hematitic gouge.								
159			80 / 75	6.5 cm white qtz vn; 27 mm qtz vn with white calcite along margins.								
160				160.06–162.50 QUARTZ-BIOTITE-CHLORITE SCHIST. Light greenish grey to light brownish grey, medium grained, wd. foliated rock with local 1 to 3% secondary (?)								
161												

PAGE 7.2 OF 11 PROJECT: HOLE NO. BC94-04

Depth	MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS Zn ppm	ASSAYS Cu ppm	ASSAYS Au ppb	ASSAYS Ba ppm	MAG. SUSCEPT.
138											
140											
			141.04	whole	rock	458854					
142											
144											
146											
148											
150											
152			152.50	whole	rock	458855					
154											
156											
	157.57 speck cp		157.50	159.00	1.50	942651	96	123	<5	680	
159	158.73 speck cp		159.00	160.50	1.50	942652	78	96	<5	1000	
	159.96 speck cp										
161											

PAGE 3 OF 11 | PROJECT: | HOLE NO. BC 92-04

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A chl	B ser	C qtz	D carb	E biot	FRACTURE INTENSITY	% VEIN QTZ.
				brown biotite.							
162	64		S1	160.06 – 173.96 CHLORITE - QUARTZ - EPIDOTE SCHIST							
163			calcite vlt 3 mm subparallel to S1; calcite xtals to 2 mm.	Medium to dark greyish green, moderately foliated, less epidote than from 112.25 – 160.06 above; otherwise very similar.							
165				Moderately broken core throughout; pieces av. 3 to 5 cm across.							
166				No epidote seen below 170.43.							
167			167.45	2% off-white sericitized(?) plag phenos up to 0.5 X 1.5 mm long over 15 cm.							
169			167.80	Rare bluish qtz eyes to 2 mm; bleached pale brown envelope 2 mm wide around py mass 3X5 mm.							
172	80		30 cm mod. → f. bkn + green chl-rich gouge.								
172				173.96 – 196.67 QUARTZ - CHLORITE - BIOTITE SCHIST							
173				Medium greenish grey to grey, fine grained, moderately foliated but only local minor segregation of mafics & felsics. Hard competent rock with weak pervasive silicification. Dark brown elongate biotite flakes aligned w. foliation say 5% rock volume; biotite flakes up to 2 mm long. Biotite is primary (?).							
175		45	qtz vn 5.5 cm to. tr py; 2 int. sil'd bands 10+ cm.								
178		65	15 mm gouge + f. bkn.								
181				faint water grey calcite vlts to 1 mm; contorted + discontinuous.							
183				local pale grey [illegible] 2 X 20 mm.							
184											

PAGE 2a OF 11 PROJECT: HOLE NO. BC94-04

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	FROM	TO	WIDTH	SAMPLE NUMBER	Zn ppm	Cu ppm	Au ppb	Ba ppm	MAG. SUSCEPT.
161 traces diss py to 1 mm webs										
163		163.30	whole	rock	458856					
165										
167										
167.30 py mass 3x5 mm w- 'bleached' pale brown envelope or rim. 2 mm wide										
169 Traces diss py										
171 - 171.30 traces diss py										
172.20 subhedral py to 2 mm		172.56	whole	rock	458857					
173										
173.96 - 187.73 Traces to locally 1% py over 10 cm av. ≈ 0.25%.										
175 Py mainly diss xtals and small elongate lenses av. < 1 mm; rare irregular masses to 5 mm along fracture surfaces.		176.63	178.13	1.50	942653	84	39	<5	680	
177 176.99 speck cp		178.13	179.63	1.50	942654	68	28	<5	160	
179										
182										
184										

 PROJECT: HOLE NO. 3C 94-04

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION		ALTERATION A chl	B ser	C qtz	D carb	E mbsit	FRACTURE INTENSITY	% VEIN QTZ.	
184													
185													
186													
187				(187.73 - 189.60)	Medium grey-brown interval with								
		57			abundant (say 8%) brown biotite,								
188		20			only traces chlorite. Upper								
					contact of this interval is a								
				3 cm f. bkn	fault. Lower contact gradational.								
189				[illegible]	sample for this section from 188.23;								
190					is brown biotite secondary alt'n?								
191													
192													
193				(195.26 - 196.67)	Bleached pale brownish grey qtz-								
194					-py-ser schist. Small faults at								
					both upper + lower contacts.								
195		60°											
				5 mm f. bkn + sericitic gouge									
196		60		196.67 - 215.70	CHLORITE - QUARTZ - PY SCHIST								
					Medium greyish green to medium								
197		65		3 mm f. bkn + gouge.	green - brown, medium grained.								
					Watery grey to bluish qtz eyes								
198				qtz (90%) - py (10%) band 4 km	av. 1.5 mm across, comprise								
				S2 fold axis @ 37°.	0.5 to locally 3% rock volume								
199		32			across 40 cm. Moderately								
200					foliated and banded with streaky								
					lenses throughout. Local minor								
201					segregation of mafics and								
					felsics. Pervasive traces								
202					carbonate throughout upper half								
					of interval. Non-magnetic								
203					rock. Occassional felsic, lensoid								
		78			lapilli?? up to 35 mm, av.								
204				S1	6 - 8 mm / faint boundaries								
					comprise locally up to 30%								
205		64			rock volume. Gradational contact								
				carb (50%) - qtz (40%) - ser (5%) - py (5%)	across 2 or 3 m with								
206				vn [illegible]	underlying chlorite schist.								
				(205.19).	Ser as irregular "books" to 2								
207					mm across along vein.								

PAGE 9a OF 11	PROJECT:	HOLE NO. BC 94-04

	MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS Zn ppm	ASSAYS Cu ppm	ASSAYS Au ppb	ASSAYS Ba ppm	MAG. SUSCEPT.
184			184.36	whole	rock	458858					
186	186.97 Elongate [illegible] (? lapilli)		186.23	187.73	1.50	942655	64	16	<5	310	
	7X40 mm, 5x35 mm ~~contain~~										
	contain 30% py and 2% sph(?).										
188	First time observed what		88.00	whole	rock	458859					
	appear to be high sulphide-content		88.23	thin	section						
	lapilli.										
190											
192											
	193.92 → down local traces sph(?)										
	194.00 2% py xtals to 4 mm										
	194.8 sphalerite specks		193.75	195.26	1.51	942656	120	214	<5	480	
194	194.46 Eu py xtal 8mm along margin										
	qtz vn 7mm wide ∠ 64°										
	195.66 dissem py bands to 5mm ∠75°.		195.26	196.67	1.41	942657	20	8	<5	150	
196	196.53 [illegible] band 20mm ∠75°.										
	196.67 - 215.70										
	Average say 2% to 3%		196.67	198.17	1.5	942658	78	14	<5	200	
	pyrite mainly as disseminated										
198	rectangular, subhedral										
	porphyroblasts av. 0.7 mm		198.17	199.67	1.5	942659	122	15	<5	90	
	across. Max: 7X5 mm		198.66	whole	rock	458860					
	xtals. Earlier (?) py as										
200	small elongate [illegible]		199.67	201.17	1.5	942660	156	28	<5	40	
	parallel foliation. Very dark										
	brown sphalerite? along										
	margins of some of the		201.17	202.67	1.5	942661	284	242	<5	500	
202	pyrite crystals; this										
	appears in trace										
	amounts throughout, as		202.67	204.17	1.5	942662	146	60	<5	240	
	specks to about 0.5 X 1										
	mm across, generally v.										
	fine and so difficult to		204.17	205.67	1.5	942663	44	65	<5	140	
206	identify.										
			205.67	207.38	1.71	942664	42	45	<5	200	

 PROJECT: HOLE NO. BC94-04

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION		ALTERATION A chl	B ser	C qtz	D carb	E biot	FRACTURE INTENSITY	% VEIN QTZ.	Cpy
207		60		(207.38-208.09)	Light greenish grey qtz-ser-py(-chl) schist with 2 to 3 % bluish qtz eyes max 4 mm across.								
208				10 mm f. bkn -ser gouge; @ 207.38 m									
209													
210		67		(210.69-211.26)	Pale grey qtz-py-ser schist with about 12.5% bluish qtz eyes to 2 mm.								
211		65		<3 mm f. bkn; 10 mm sooty, pyritic gouge & f. bkn core.									
212													
213													
214				215.70-252.98	CHLORITE SCHIST								
215					Dark green with local greyish green bands. Soft with core moderately broken into buttons av. <1 cm thick through most of unit. Less qtz, less py and more chl than overlying unit. Py content decreases from 1 to 2% downhole to 0.5 % by 217.00 m depth, then 1-2% from 229.00 - 235.60 m.								
216–225													
226				(226.00-234.47)	Elongate, lensoid lapilli(?) which are more felsic and coarser grained than the aphanitic, chl-rich matrix. Lapilli(?) are large av. ≈ 8 X 30 mm, form about 40 or 50% rock volume. Rock is banded on cm scale; some of these felsic bands may not								
227		65	S1										
228–230													

PAGE 10a OF 11 PROJECT: HOLE NO. BC94-04

Depth	MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	WIDTH	SAMPLE NUMBER	ASSAYS Zn ppm	Cu ppm	Au ppb	Ba ppm	MAG. SUSCEPT.
207			207.38	208.09	0.71	942665	16	5	<5	810	
			207.70	whole	rock	458861					
			208.09	209.59	1.5	942666	46	11	<5	200	
209											
			209.59	210.67	1.08	942667	62	20	<5	110	
211			210.67	211.26	0.59	942668	12	6	<5	450	
	211.55 m 6% py across 9 cm		211.26	212.76	1.5	942669	76	14	<5	180	
213			212.76	214.26	1.5	942670	108	107	<5	40	
			214.26	215.70	1.44	942671	70	20	<5	60	
215	217.00 –		215.70	217.20	1.5	942672	62	11	<5	300	
	Average about 0.5% or less diss py as euhedral to subhedral porphyroblasts av. say 0.75 mm across, max. 1.[illegible] mm.		217.00	whole	rock	458862					
217											
219											
221											
223											
225											
			227.74	whole	rock	458863					
229			228.47	229.97	1.50	942673	66	75	<5	40	
	Below 229.0 m – 235.60 m py 1 to 2%		229.97	231.10	1.13	942674	20	6	<5	610	

PAGE 11 OF 11a PROJECT: HOLE NO. BC 94-04

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A chl	B ser	C qtz	D carb	E [illegible]	FRACTURE INTENSITY	% VEIN QTZ	[illegible]
230				be lapilli, but instead are medium-grained felsic ash-tuff interbeds which have undergone pervasive foliation.								
231–232		50		20 cm bkn core + gouge.								
233				(229.97 – 231.10) Light greenish grey, moderately silicified with 2% to locally 15% blue qtz eyes up to 5 mm across (av. 2 mm). Bluish qtz eyes also present in chlorite schist within 15 cm of both upper and lower margins of this silicified interval.								
237		70		8 mm green chloritic gouge + f. bkn.								
238		35		25 mm gouge (chl-rich) + f. bkn.								
240	80			20 cm f bkn, sericitic gouge and ± 50% bkn white vein qtz pieces!								
242–243	45°			only rare blue qtz eyes here; fewer than in silicified interval from 229.97 – 231.10 above.								
244				40 cm f. crushed, soft, bkn core.								
245				10 cm f. bkn + gouge; ? orientation.								
250				? orientation.								
252		60		4 cm f. bkn and gouge								
252		60		15 cm pale green gouge + f. bkn.								
253				252.98 END OF HOLE								

 PROJECT: HOLE NO. BC 94-04

Depth	MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS Zn ppm	ASSAYS Cu ppm	ASSAYS Au ppb	ASSAYS Ba ppm	MAG. SUSCEPT.
			23[illegible]	232.60	1.5	942675	42	36	<5	300	
			232.50	234.10	1.5	942676	62	24	<5	220	
234			234.10	235.60	1.5	942677	44	14	<5	220	
236											
238			239.06	whole	rock	458864					
240											
242											
244											
246	246.00 20% py, as eu → subhedral cubes av. 1.5 mm across, in band 45 mm wide @ 35° to c.a.		245.13	246.13	1.0	942678	52	8	<5	450	
248											
			[illegible].65	whole	rock	458865					
251											

PAMICON DEVELOPMENTS LIMITED

DRILL LOG

Field	Entry	Field	Entry
PROJECT	BELL CREEK	GROUND ELEV.	1304 m
HOLE NO.	BC94-05	BEARING	090°
LOCATION	0+30 W 14+10 N	DIP	−65° inclination
		TOTAL LENGTH	~~[illegible]~~ 363.02 m
LOGGED BY	DAVID PAWLIUK	HORIZONTAL PROJECT	
DATE	Nov/94	VERTICAL PROJECT	
CONTRACTOR	Beaupre Diamond-Drilling Ltd PRINCETON, B.C.		
CORE SIZE	NQ		
DATE STARTED	Nov 4/94		
DATE COMPLETED	Nov 9/94		
DIP TESTS	Sperry Sun @ 207.87 m: −62.5° inclin., az. 079° Sperry Sun @ 353.57 m −57° inclin, 078° azimuth		

ALTERATION SCALE

- absent
- slight
- moderate
- intense

TOTAL SULPHIDE SCALE

- traces only
- < 1%
- 1% – 3%
- 3% – 10%
- > 10%

COMMENTS

LEGEND

PAGE 1 OF 16 | PROJECT: Bell Creek | HOLE NO. BC 94-05

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE		GEOLOGICAL DESCRIPTION	ALTERATION A chl	B ser	C qtz	D carb	E biot	FRACTURE INTENSITY	% VEIN QTZ.	py
0				0.00 - 4.57	CASING								
				4.57 - 70.72	MAFIC VOLCANIC / CHLORITE - EPIDOTE SCHIST								

Dark green to black with local light green ep-rich bands up to few cm wide. Fine grained to aphanitic; moderately foliated throughout. Orange-brown to yellow limonite coats on fracture sfces above 13.40 m depth. Only local minor separation of mafic & felsic minerals has occurred. Local traces carbonate as watery grey calcite veinlets to 3 mm and rarely as bands up to 10 mm wide with faint boundaries. Trace amounts of epidote finely diss above 24.50 m depth; from 24.50 - 60.35 m say av. 5% epidote in light green bands mostly 8 to 20 mm wide parallel foliation. At least some of the dark green chlorite throughout rock unit appears to be primary.

80° — mm finely broken and limonite-stained sericitic zone within bleached band 20 cm wide.

Blue qtz eyes to 1.5 mm across.

73° ← brown qtz (60%) - carb (40%) vn 22 mm wide.

60° ← " " " " " " 28 " "

(15.00-27.00) Moderately broken core; pieces w. 3-4 cm diameter; ground core over several runs.

 PROJECT: HOLE NO. BC94-05

Depth	MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	Zn ppm	Cu ppm	Au ppb	Ba ppm	MAG. SUSCEPT.	SCINT
0												
2												
4												
6	Traces pyrite as disseminated coating along fracture sites.											
8			8.00	9.50	1.50	942679	94	142	<5	350		
	8.23 – 34.74 Traces py throughout as v. fine specks av. <0.5 mm, max 0.5 x 2 mm, often elongate and lensoid parallel foliation. Pyrite rare to absent over most of this interval											
			9.50	11.00	1.50	942680	94	136	<5	480		
10			9.85	whole	rock	458866						
			11.00	12.50	1.50	942681	94	149	<5	850		
12			12.00	rep.	sample							
			12.50	14.00	1.5	942682	90	111	<5	640		
14			14.00	15.50	1.5	942683	90	106	<5	660		
			15.50	17.00	1.5	942684	80	45	<5	710		
16			17.00	18.50	1.5	942685	82	76	<5	410		
18			18.50	20.00	1.5	942686	78	95	<5	740		
			19.42	whole	rock	458867						
			20.00	21.50	1.5	942687	84	58	<5	590		
	py coating fracture sites.											
21			21.50	23.00	1.5	942688	90	84	<5	580		
			[illegible]	[illegible]	1.5	942689	[illegible]	[illegible]	<5	[illegible]		

PAGE 2 OF 16 | PROJECT: | HOLE NO. BC 94-05

DEPTH (m) 23	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION		ALTERATION A chl	B ser	C qtz	D carb	E biot	FRACTURE INTENSITY	% VEIN QTZ.
24												
25												
26												
27												
28												
29				(29.20 - 37.20)	Rock moderately to weakly magnetic							
30												
31			70	S1								
32												
33												
34												
35			75	25 mm f. bkn and hematitic gouge.								
36												
37												
38												
39												
40				(40.60)	1% bluish grey qtz eyes to 2.5 mm.							
41			47		pale grey brown qtz (85%) - off white calcite (15%) vn 32 mm wide. calcite later than qtz.							
42			10		qtz vn 10 mm wide w. 5% dk green - black amphibole?							
43												
44				(44.75)	Few qtz eyes.							
45												
46												

 PROJECT: HOLE NO. BC 94-05

Depth	MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS Zn ppm	ASSAYS Cu ppm	ASSAYS Au ppb	ASSAYS Ba ppm	MAG. SUSCEPT.
23											
			24.50	26.00	1.50	942690	78	93	<5	550	
25											
			26.00	27.50	1.50	942691	82	102	<5	800	
	26.52 Traces of finely diss cp specks to ≈0.4 mm across.										
27			27.50	29.00	1.50	942692	88	168	<5	940	
	28.00 trace cp speck		28.10	whole	rock	458868					
29			29.00	30.50	1.5	942693	96	130	<5	880	
			30.50	32.00	1.5	942694	78	99	<5	700	
31											
			32.00	33.50	1.50	942695	80	134	<5	750	
			32.20	rep	sample						
33			33.50	35.00	1.50	942696	90	101	<5	660	
35											
	35.60 sp?? brown porphyroblasts to 1.5 mm across.										
37											
			37.95	whole	rock	458869					
39	38.66 tr cp speck		38.60	40.10	1.5	942697	84	60	<5	930	
	40.08 tr cp speck.										
41	40.35 py cubes to 3 mm in white qtz vn.		41.25	42.75	1.5	942698	98	18	<5	390	
	About 1% diss py; →										
	py most abundant in siliceous lens or lapilli 6 X 28 mm.		42.75	44.25	1.5	942699	108	41	<5	530	
43	43.84 2 specks cp to 0.5X1.5 mm long										
46											

PAGE 3 OF 16 PROJECT: HOLE NO. BC 91-05

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE		GEOLOGICAL DESCRIPTION
47					
48		60		S⊥	½ to 1% reddish [illegible] hematite coating fracture sfcs.
49					
50				(50.70 – 51.70)	Lapilli tuff interbed w. 40% lapilli av. 15 x 4 mm, max > 50 x 10 mm.
51					
52					
53					
54				(54.20)	Locally up to 5% bluish qtz eyes to 3 mm.
55				(55.20)	Traces brown secondary biotite (?) across 25 cm.
56					
57		78		(56.95) 2 mm f. bkn + sericite on slip	Hairline ep vlts along irreg. fractures in intensely silicified section.
58					
59					
60		75		3 mm f. bkn; much less ep below this fault.	
61		20		carb	Irregular white calcite vlts to 1.5 mm wide; some ∠ ≈ 20° to c.a.
62					
63					Silicification has occurred in bands up to say 8 cm wide that are mod → int silicified; little or no perv. silicification between these bands.
64					
65		62		52?	— axes of folds in calcite vlt.
66		70, 60		(66.19 – 67.23) S1 (4 mm gouge and f. bkn.	Medium greenish grey medium grained andesite flow. Say 15% pale white-grey subhedral and euhedral plag phenos; blocky, partly sericitized? Plag phenos ≈ 1 mm. Unit appears conformable, ∠ ≈ 70° to c.a.
67					
68		50		6 mm gouge + f. bkn.	
69					

ALTERATION: A chl, B ser, C qtz, D carb, E biot; FRACTURE INTENSITY; % VEIN QTZ.

 PROJECT: HOLE NO. BC 94-05

Depth	MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS Zn ppm	ASSAYS Cu ppm	ASSAYS Au ppb	ASSAYS Ba ppm	MAG. SUSCEPT. [illegible]
	47.20 irreg cp mass 1.5 mm across.		46.75	48.25	1.5	942700	72	39	<5	330	
	Traces diss py xtals to										
	2 mm across.		47.67	rep	sample						
48			48.60	whole	rock	458870					
50	py diss cubes										
52											
54											
56			56.25	rep	sample						
58			58.48	whole	rock	458871					
60			60.35	61.85	1.50	942701	74	68	<5	410	
	61.30 2 specks cp <0.5 mm.										
62	diss py elongate blebs,										
	- trace amounts.										
[illegible]											
			66.25	rep	sa[illegible]						
[illegible]			67.00	who[illegible]	rock	45[illegible]72					
[illegible]											

DEPTH (m) 69	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A chl	B ser	C qtz	D carb	E bio	FRACTURE INTENSITY	% VEIN QTZ.	py
70–81	65 (contact)	70, 51; 70°; 45, 20	contact; int. sil'd band; sericitic slips	72.72 – 85.59 QUARTZ-PYRITE-SERICITE SCHIST / FELSIC LAPILLI TUFF. Light greyish green, usually with a brown cast due to the presence of biotite and very fine grained, sooty sulphides. Generally medium grained with coarser grains av. about 1 mm in very fine grained aphanitic matrix. Occassional Idiac lensoid clasts or lapilli form say 5 to 10% rock volume, av. about 4 X 12 mm. Subhedral, rounded, off-white feldspar grains (plag ?) locally form up to 30% rock volume; feldspars to 1 X 3 mm, av. ≈ 0.5 X 1 mm. Rock moderately bx'd w. abundant hairline fractures within 25± cm of faults. Av. say 2% biotite. Contact w. overlying chl schist discrete @ 65°. Fault contact w. underlying argl.								
81–84	74° (contact)		contact	(81.41 – 82.38) Dark grey / black argillite band; upper contact discrete @ 74°. Biotite in qtz-py schist maybe due to hornfelsing of rx during intrusion of Eagle Complex.								
84–92	?	75	17 mm fl. bkn sericitic gouge. 20 mm black gouge, py + ?, sl'kn; ? orient	85.59 – 99.01 ARGILLITE Black to medium grey to brown v. fine grained, moderately foliated finely laminated on a 1 mm scale. Local light brownish grey siltstone interbeds throughout comprise ≈ 10% rock volume. Say 3% carbonate as watery andu calcite vlts and lenses mostly parallel foliation. Local wkly magnetic. Local shiny black graphite coating fracture -fcs esp. below 96.04 m — would be good EM conductor. Contact w. underlying unit @ 50°, discrete; rx moderately bx'd across 10 cm @ contact.								

Depth marks: 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92

PAGE 4a OF 16	PROJECT:	HOLE NO. BC94-05

Depth	MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS Zn ppm	ASSAYS Cu ppm	ASSAYS Au ppb	ASSAYS Ba ppm	MAG. SUSCEPT.
69											
71			70.72	72.22	1.50	942702	74	27	<5	190	
			71.42	rep	sample						
			72.22	73.72	1.50	942703	74	29	<5	130	
73											
			73.72	75.22	1.50	942704	72	33	<5	120	
75											
			75.22	76.72	1.50	942705	58	22	<5	130	
			76.72	78.22	1.50	942706	66	34	<5	120	
77			77.80	whole	rock	458873					
			78.22	79.72	1.50	942707	70	20	<5	100	
			78.28	rep	sample						
79											
			79.72	81.22	1.50	942708	64	9	<5	40	
			80.47	thin	section	sample.					
81	81.41 – 82.38 Py mainly as faint brown lenses + laminae parallel foliation.		81.22	82.72	1.50	942709	72	16	<5	50	
			82.72	84.22	1.50	942710	56	10	<5	30	
83			83.64	rep	sample						
			84.22	85.59	1.37	942711	62	14	<5	100	
85	85.59 – 99.01 Average 2% pyrite as wispy, elongate lenses parallel foliation and occassionally as brown bx'd and annealed bands and lenses up to 9 mm wide. These ~~larger~~ larger py. bands are present below 96.04 m depth		85.59	87.09	1.50	942712	80	69	<5	60	
			86.96	rep	sample						
87			87.09	88.59	1.50	942713	78	77	<5	70	
			88.59	90.09	1.50	942714	88	54	<5	60	
			89.03	whole	rock	458874					
89	Prob. av. ≈ 0.5% [illegible] [illegible] locally [illegible] [illegible]		90.09	91.59	1.50	942715	80	71	<5	60	
			90.88	rep	sample						
	Py occ. as spots to 9 X 15 mm across coating fracture		91.59	93.00	1.41	942716	86	74	<5	40	

 PROJECT: HOLE NO. BC 94-05

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A chl	B ser	C qtz	D carb	E biot	FRACTURE INTENSITY	% VEIN QTZ.	py

Depth scale: 92 – 115

95.00-96.04 [illegible], [illegible] [illegible] – grey fine grained. 5% dk grey argil interbeds up to 1 cm thick. Say 5% calcite as streaky vlts and lenses up to 6 mm wide.

64 — contact w bottom siltstone interbed.

55 — graphite on slips.

99.01-104.16 SERICITE-QUARTZ SCHIST. Light to locally medium greenish grey, mostly fine grained. Local fault intervals contain soft, finely broken core with waxy, greasy-looking sericite along fracture sfces. Rock contains elongate, siliceous lenses which may possibly be lapilli.

70; 50 — white qtz vn 35 mm w. py

fault slip contact(?).

68 — shear zone

(99.72-100.30) Shear zone; fine bkn core and sericitic gouge along fracture @ approx 68°.

[illegible]

104.16-131.98 CHLORITE SCHIST

Dark green w. abundant medium greenish grey felsic lenses and bands parallel foliation throughout. Medium grained; plag(?) grains pale grey, subhedral, av. ≈ 0.6 mm across, form say 5 to 10% of the rock volume. This is more plag than seen in previous holes through this rock unit. Non-magnetic. Soft, somewhat to moderately broken core with numerous small fault slips; generally good core recovery however. Calcite traces here + there as hairline to 1 mm wide irregular short and discontinuous vlts. Few off-white lensoid qtz vns and vlts in middle third of interval. Fault contact @ ≈ 30° with underlying unit. Gradational contact across

50 — chl slip

felsic lapilli tuff(?) lapilli to 15 x 4 mm.

10 — 20 mm f. bkn chl gouge.

10 — 10 mm f. bkn + gouge.

40 — 5 mm f. bkn gouge.

 PROJECT: HOLE NO. BC94-05

MINERALIZATION DESCRIPTION

92

92.33 py cubes to 4 mm in calcite vt.

94

96

96.80 py band 5 mm wide @ 55°

98

100

102

104

104.16 – 131.98: Tr av. 1% py throughout as disseminated euhedral cubes and rectangular xtals. Py often disseminated within distinct bands up to 12 mm wide and parallel to foliation; these bands contain up to ≈35% py.

106

108

General increase in py content w. depth in interval.

106.60 Tr sph ?? v. fine speck

107.40 Traces cp as elongate lenses up to 3 mm long, up to 0.3 mm wide; also speckles sph to 0.75 mm – trace.

110

106.68 traces cp as blebby masses to 0.75 mm. Cp and sp in light greenish grey felsic bands that are medium grained: perhaps a fine grained felsic lapilli tuff (?)

113

Sample for thin section @ 106.68.

FROM	TO	WIDTH	SAMPLE NUMBER	Zn ppm	Cu ppm	Au ppb	Ba ppm	MAG. SUSCEPT.
92.73	rep	sample						
93.00	94.50	1.50	942717	96	132	<5	80	
94.50	96.04	1.54	942718	112	163	<5	70	
96.04	97.54	1.50	942719	84	89	<5	30	
97.54	99.01		942720	94	79	<5	90	
99.70	101.20	1.50	942721	48	18	<5	30	
99.62	whole	rock	458875					
100.74	rep	sample						
105.76	rep	sample						
106.25	107.75	1.5	942722	100	70	<5	<10	
106.68	thin	section						
110.10	whole	rock	458876					
112.68	rep	sample						

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A chl	B ser	C qtz	D carb	E bio	FRACTURE INTENSITY	% VEIN QTZ.	py
115		51	18 mm qtz vn	about 30 cm with overlying unit.								
116–117		43	20 mm chl gouge + f. bkn									
118–119		45		lensoid grey felsic bands up to 15 mm wide, 40+ mm long may be relict lapilli.								
120			4 mm chl gouge.									
121–122		35, 40	8 mm gouge + f. bkn.									
123			13 mm crushed, soft, f. bkn + gouge.									
124–126		40	30 mm crushed + gouge.	125.82 Pale creamy grey bleached band 35 mm wide at 60° contains grey, sooty py bands up to 1.5 mm wide.								
127–130		70	2 mm pyritic gouge; within sil'd + bx'd bleached zone.	(127.95–128.47) Bleached pale greyish brown sil'd + bx'd interval w. local 10% diss py across 3 cm. Sph? specks present. Also contorted qtz vlts to 4 mm								
130–131	30	55	20 mm chloritic gouge + finely bkn.									
131–135			contact flt; 20 mm f. crushed + gouge.	131.98–155.02 QUARTZ-SERICITE(+CHLORITE) SCHIST. Light greenish grey to light grey with local bleached cream-coloured bands. Medium grained (av. ≈ 1 mm) with a granular texture. Bluish grey qtz eyes av. 2 mm across form 0.5% rock volume. Moderately foliated.								
136–138		60, 70	52 drag axis fold; 4 mm sooty grey py on flt slip; bleached, cream-coloured from 136.04–136.43 m; possibly clay-altd envelope along pyritic (acid waters) fault.									

PAGE 5a OF 16 | PROJECT: | HOLE NO. BC94-05

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS Zn ppm	ASSAYS Cu ppm	ASSAYS Au ppb	ASSAYS Ba ppm	Mag. Suscept.
		122.49	whole	rock	458877					
123										
		123.77	rep	sample						
		124.00	125.50	1.5	942723	58	5	<5	<10	
124.40 Traces sphalerite(?) in 8 cm wide felsic band w. 1-2% diss py xtals.										
125 127										
		127.75	128.75	1.0	942724	54	11	<5	10	
		128.18	rep	sample.						
129										
		130.50	131.50	1.0	942725	56	22	<5	<10	
131.08 sp(?) black, v.f. specks in felsic band 16 mm wide @ 80° with 10% diss py as bright euhedral xtals to 1.5 mm across.										
131 133										
		133.00	whole	rock	458878					
		133.10	rep	sample						
		135.50	136.50	1.0	942726	26	3	<5	30	
136 4 mm sooty pyritic gouge along fault @ 136.11 m.										

 PROJECT: HOLE NO. BC94-05

DEPTH (m)	% CORE REC	LITHOLOGY / STRUCTURE		GEOLOGICAL DESCRIPTION
138	65		– 3 – 55.02	QUARTZ – SERICITE (– CHLORITE)
			≈ S1 ∠ 60°.	SCHIST continued
139			white qtz vn 25 mm wide.	Local medium green chl-rich
				bands up to about 1.5 m wide.
140	65		4 cm – bkn – gouge orientation	Only locally has appreciable
				segregation of mafics and
141			40 mm f. bkn + gouge.	felsics occurred as at
				142.10 m 149.40 m depth
142				Finely foliated throughout on
				a mm scale.
143			(138.00 – 143.50)	Soft crushed core; ground
144				core; numerous shears + faults
				across zone.
145	78		15 mm sericitic gouge + f. bkn.	
146				
147			(148.12 – 149.29)	QUARTZ – PY SCHIST Pale
				creamy grey with av. ≈ 2 to
148				3% py as disseminated blebs.
149	85			
150			~ 18 cm f. crushed + sericitic gouge.	
			(151.44 – 155.02)	FELSIC LAPILLI TUFF?
151				Rock 50% felsic lenses (lapilli?)
				which average 15 or 20 mm in
152	50			length. From 151.44 – 152.86 matrix
				chloritic; 152.86 – 155.02 matrix
153	83	70	white qtz vn 30 mm	pervasively moderately silicified.
			10 cm f. bkn + ser gouge.	
154				
			155.02 – 168.06	ANDESITE FLOW (?)
155				Medium grey-brown to dark
		80		brownish green medium grained
156			≈ 50% ep in band 5 mm wide w. ≈ 5% [illegible]	with blocky plag phenos av. ≈
				1 to 1.4 mm long. 0.5 to 1%
157			[illegible] selvages	very finely disseminated epidote
			on [illegible]	throughout. Both chl and ep
158			[illegible] to	contents increase with depth.
			4 mm wide	Traces calcite throughout.
159		70		traces chalcopyrite throughout.
				Av. ≈ 1% magnetite above 165.75
160			~ qtz – sulph – vn 10 mm wide.	m; generally moderately magnetic
				while magnetic below 165.75.
161				Fault contact with

ALTERATION: A chl, B ser, C qtz, D carb, E biot; FRACTURE INTENSITY; % VEIN QTZ.; py

PAGE 7a OF 16	PROJECT:	HOLE NO. BC 94-05

Depth	MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS Zn ppm	ASSAYS Cu ppm	ASSAYS Au ppb	ASSAYS Ba ppm	mag. suscept.
138											
140											
142											
			143.22	whole	rock	458879					
144											
			145.10	rep sample							
146											
148	148.12 – 149.29 Av 1-2% blebby diss py; no other sulphides seen		148.12	149.29	1.17	942727	12	15	<5	60	
			148.69	rep sample							
150											
			151.44	152.94	1.5	942728	30	7	<5	40	
152											
			152.94	153.94	1.0	942729	6	2	<5	80	
			153.94	155.02	1.08	942730	10	16	<5	90	
154			154.50	whole	rock	458880					
	155.02 – 168.06 Rare traces v. finely diss cp. Traces py as euhedral xtals up to 6X 3 mm		155.02	156.52	1.5	942731	72	78	<5	<10	
156			156.64	thin section sample							
			156.52	158.02	1.5	942732	72	113	<5	<10	
			157.22	rep sample							
			158.02	159.52	1.5	942733	76	116	<5	<10	
159	[illegible] 43 cp masses to 1X3 mm, sp(?) to 3X8 mm within qtz vn 15 mm wide.		159.52	161.02	1.5	942734	68	74	<5	<10	

PAGE 3 OF 16 PROJECT: HOLE NO. BC 94-05

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE		GEOLOGICAL DESCRIPTION	ALTERATION A chl	B ser	C qtz	D carb	E biot	FRACTURE INTENSITY	% VEIN QTZ	py
161					underlying chlorite schist.								
162					Feldspar [illegible] is foliated								
					with alignment of plag phenos								
163					but little or no segregation								
	70				of mafics and felsics has								
164					occurred. Brown (hornfelsed?) biot.								
	80				mos euhedral porphyroblasts to 1.5 mm;								
165				bx'd vn qtz-ep-biot(?)-py	euhedral epidote xtals up to 1.5 X 10 mm								
				-chl(?) band 9 cm wide.	within vein qtz. Close-up photo.								
166	75			20 mm f. bkn chl gouge.	Qtz(70%)-ep(25%)-py(3%)-biot(?)(2%)-ep-[illegible] vein 13 cm wide @ 70°.								
167		73		10 mm white qtz vn.	Thin section to be done 163.81 m								
168	52°				168.06-189.28 CHLORITE SCHIST								
					Medium green to light greyish								
169				contact flt 15 mm f. bkn + chl gouge	green to dark green, fine to								
					medium grained foliated rock.								
170					Lighter - coloured sections - wkly								
		88			silicified. Not magnetic. Occ.								
171				51	off-white qtz vns [illegible] 5 cm wide								
					usually emplaced along faults.								
172					Also felsic qtz-py rich bands								
					up to 18 cm wide form say 5%								
173					of rock volume. These bands contain								
					up to 50% py as diss subhedral								
174					xtals and blebby masses av.								
	62				1 to 1.5 mm across, and off-white								
175					to cream coloured altd feldspar								
				5 cm qtz vn along flt	grains up to 1.5 X 3 mm (5%).								
176	78			w 8 mm f. bkn + gouge.	Contact with underlying unit indiscrete								
				qtz py band 18 cm along flt w 35 mm gouge + f. bkn core.	@ 78°.								
177													
				(176.90-177.60)	Band of qtz-ser-py schist								
178		70		pyritic gouge 4 mm thick.									
179													
180													
181													
182		75		2 qtz vns	45 mm wide								
183													
184													

PAGE 3a OF 16	PROJECT:	HOLE NO. BC 94-05

	MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	TO	WIDTH	SAMPLE NUMBER	ASSAYS Zn ppm	Cu ppm	Au ppb	Ba ppm	MAG. SUSCEPT.
			161.02	162.52	1.5	942735	78	70	<5	<10	
			162.50	whole	rock	458881					
			162.52	164.02	1.5	942736	66	62	<5	360	
	163.[illegible] py irreg mass ≈ 0.5 × 2mm		163.73	rep		sample					
			163.81	thin	section	sample					
			164.02	165.52	1.5	942737	74	44	<5	<10	
165											
			165.52	167.02	1.5	942738	62	88	<5	230	
167											
			167.02	168.06	1.04	942739	36	83	<5	<10	
			168.06	169.06	1.00	942740	40	16	<5	20	
169											
	5-7% py diss subhed → eu xtals, occ. sph xtals to 1 mm.		169.06	170.16	1.10	942741	24	27	5	<10	
171											
			172.05	whole	rock	458882					
173											
			173.80	175.30	1.50	942742	26	6	<5	30	
	174.85 m 50% py across 8 cm in sil'd band.										
175	Qtz-py felsic bands to 16 cm with up to 50% py as diss subhedral xtals and blebby masses of 1 to 1.5 mm across, and possibly some sp and cp though these not definitely identified.		175.30	176.80	1.50	942743	22	70	10	10	
			175.47	rep		sample					
177											
179											
			182.44	whole	rock	458883					
			183.00	rep		sample					

PAGE 7 OF 16 PROJECT: HOLE NO. BC 94-05

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A chl	B ser	C qtz	D carb	E	FRACTURE INTENSITY	% VEIN QTZ	

135

65

186

15 cm f. bkn and gouge; 20 mm white qtz vn along upper margin of flt.

187

188

189 78

189.28 – 241.00 contact. QUARTZ – SERICITE SCHIST / FELSIC LAPILLI TUFF.

190

Light greenish grey with local medium greenish grey sections up to 30 cm wide where chlorite relatively abundant.

191 30 cm f. bkn, crushed core.

192 75

Medium grained with lighter coloured, felsic grains av. 1.5 mm across forming about 50% rock volume.

193 20 mm ser gouge + f. bkn.

194

These grains set in a very fine grained to aphanitic matrix.

195

Elongate felsic lenses throughout av. say 6 X 25 mm form ≈ 10% rock volume – relict lapilli (?).

196

Unit moderately foliated.

197

Somewhat broken into buttons from 5 to 50 mm thick in many places with waxy

198

greasy lustre sericite coating on fracture sfces.

199

Ubiquitous bluish grey qtz eyes < 0.5 %, av. ≈ 1.5 mm across.

200

201

202 20

203 3 mm ser gouge + f. bkn.

204 60 4 cm gouge + f. bkn

205

206

207 65 20 mm ser gouge + f. bkn

 PROJECT: HOLE NO. BC 94-05

Depth	MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS Zn ppm	ASSAYS Cu ppm	ASSAYS Au ppb	ASSAYS Ba ppm	MAG. SUSCEPT.
34											
38			187.78	189.28	1.50	942744	28	3	5	<10	
			189.23	190.73	1.50	942745	24	2	<5	40	
192			192.78	whole	rock	458884					
94											
196											
198											
200											
02			201.78	whole	rock	458885					
			204.94	repi sample							
			205.50	207.00	1.50	942746	30	2	<5	30	
207											

 PROJECT: HOLE NO. BC 94-05

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A chl	B ser	C qtz	D carb	E biot	FRACTURE INTENSITY	% VEIN QTZ	py
				189.28–24?.00 QUARTZ-SERICITE SCHIST (continued)								
208												
209												
210												
211												
212												
213												
214												
215												
216												
217												
218												
219												
220	40			fault contact @ top of chl schist band; 4 mm ser gouge + ? bKn.								
221												
222				fault zone; 23 cm soft, finely crushed core + ser gouge.								
223												
224		34		S1								
225												
226												
227	65											
228				4 cm qtz vn at upper margin fault with 10 cm finely crushed core and sericitic gouge.								
229												
230												

PAGE 20a OF 16	PROJECT:	HOLE NO. BC94-05

Depth	MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS Zn ppm	ASSAYS Cu ppm	ASSAYS Au ppb	ASSAYS Ba ppm	Mag. Suscept.
207											
209											
211			210.75	whole	rock	458886					
213											
215											
			216.68	217.61	0.93	942747	86	12	<5	30	
217	217.00 band 10 cm wide @ 70° with 5% diss py		217.39	whole	rock	458887					
219											
221	221.90 1%+ py diss adjacent to band of sooty py (?) @ 30°. 222.20 Sooty brownish maroon py (?) +/or hem (?) band 5 mm @ 35°. Interval more fractured + bleached than adjacent rock.		221.64	222.34	0.70	942748	98	40	<5	10	
223											
225											
228			228.18	whole	rock	458888					
			229.56	rep	sample						
230											

 PROJECT: HOLE NO. BC 94-05

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE		GEOLOGICAL DESCRIPTION	ALTERATION A chl	B ser	C qtz	D carb	mbiot	FRACTURE INTENSITY	% VEIN QTZ	cp
230					189.28-241.00 QUARTZ-SERICITE SCHIST (continued)								
231													
232			51		(232.00-232.63) Dark brownish green chl schist band.								
233			30		smear ser gouge on slip at bottom contact chl schist band								
234													
235					15 mm of bkn core, sericitic gouge + maroon hematite.								
236													
237													
238													
239					241.00-251.27								
240			70	soft bkn core	INTERBANDED CHLORITE SCHIST (70%) AND QUARTZ-SERICITE SCHIST (30%).								
18 cm v. mod. bkn				25 mm hem gouge + f. bkn	CHLORITE SCHIST: Dark green to								
241					dark brownish green, medium grained, with 3 to locally 7%								
242				fault contact? orientation	brown (hornfelsed?) biotite. Also local traces diss ep, cp and bluish qtz eyes.								
243				2% blue qtz eyes.	Faulted contacts with quartz-sericite bands.								
244					QUARTZ-SERICITE SCHIST:								
245			50		As for 189.28-241.00 above except here a little hornfels(?)								
246				15 mm f. bkn + chl gouge	biotite and more bluish qtz eyes (to 1 or 2% locally) than above.								
247													
248			70	white + grey	qtz vn 4 cm wide.								
					(248.72-249.46) Qtz-ser-hem schist. Light								
249					maroon-grey colour, 0.5% blue qtz eyes to 1 mm.								
250			60	white qtz	vn 20 mm wide.								
251			25		251.27-258.55 QUARTZ-SER-HEM SCHIST								
					Light maroon-grey, medium grained, moderately foliated. Hematite mostly								
252				contact, 6 mm	very finely disseminated throughout; but								
253				ser gouge + f. bkn.	also occurs as occasional								

 PROJECT:

HOLE NO. BC94-05

Depth	MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS Zn ppm	ASSAYS Cu ppm	ASSAYS Au ppb	ASSAYS Ba ppm	MAG.(?) SUSCEPT.
230											
232			232.00	232.63	0.63	942749	100	49	<5	<10	
234											
236											
238											
			240.00	whole	rock	458889					
240											
			241.00	241.97	0.97	942750	60	71	<5	10	
	241.47 tiny speck <0.5mm cp										
	241.52 "										
242											
			243.40	244.73	1.33	942751	74	<1	<5	<10	
244											
246											
248											
25[illegible]											
			251.80	whole	rock	458890					
25[illegible]											

 PROJECT: HOLE NO. BC 74-05

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION
253				halring vlts ~~[illegible]~~ dusting fracture
254				sfcs. Discrete contact @ 80° with
				underlying unit
255				
256				
257	70			258.55-261.91 QUARTZ - SERICITE SCHIST.
				Light greenish grey, medium grained
258	80		> S1	mostly finely foliated. Occ. 'lensoid'
		65	contact	felsic clasts (? lapilli) say 3%.
259			25 mm broken + gouge.	Fault contact @ 30° with
				underlying unit.
260				
261				261.91 - 265.05 CHLORITE SCHIST / MAFIC
		30		LAPILLI TUFF Medium green
262				with light green - grey lensoid
				felsic fragments of variable
263			fault contact;	composition forming say 30%
			18 mm gouge + f. bkn	of the rock volume. These are
264				likely lapilli; av. ≈ 5 x 18 mm,
				up to 35 mm in length.
265	86			Discrete contact @ 86° with
			contact	underlying unit
266				
				265.05 - 319.25 QUARTZ - SERICITE SCHIST /
267				FELSIC LAPILLI TUFF. Light
		65		greenish grey to locally light
268			1 mm white gouge.	brownish grey where biotite
		?	10 mm ser. gouge + f. bkn ? orientation.	present as dusty disseminations
269				within ash tuff matrix. The
				biotitic interval contains less
270				sericite and more quartz
				(slightly) than the adjacent rx.
271				
272				
273		61		
274			> S1	
275		55		
276				2 mm sericitic gouge ; pale creamy grey qtz vein qtz frags in fault; → 20 x 50 mm in fault.

ALTERATION: A chl, B ser, C qtz, D carb, E biot; FRACTURE INTENSITY; % VEIN QTZ; ep

PAGE 12a OF 16 | PROJECT: | HOLE NO. 3C94-05

Depth	MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS Zn ppm	ASSAYS Cu ppm	ASSAYS Au ppb	ASSAYS Ba ppm	MAG. SUSCEPT.
253			253.27	rep	sample						
			260.50	rep	sample						
261											
	Traces of diss py										
			262.19	whole	rock	458891					
263											
			264.6	rep	sample						
	over a couple of cm										
265	265.05 –										
	Traces to locally 0.5%, very finely diss pyrite throughout; euhedral xtals av. <0.5 mm										
267	across.		267.40	268.90	1.50	942752	186	190	<5	20	
	268.15 m 3% diss py xtals w. trace ?sp across 15 cm										
269											
			270.48	thin	section sample						
271											
			271.94	rep	sample						
			272.85	whole	rock	458892					
	Tr to tr diss py										

 PROJECT: HOLE NO. BC94-05

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A ch	B ser	C qtz	D carb	E biot	FRACTURE INTENSITY	% VEIN QTZ.	py
277				265.05–319.25 QUARTZ-SERICITE SCHIST/FELSIC LAPILLI TUFF (continued)								
278												
279												
280												
281	58		58									
282				35 cm greenish white qtz vn w. ≈0.5% yellowy epidote. 7 cm crushed core + ser gouge in flt @ lower vn contact. Through much of the qtz-ser schist the qtz veins were emplaced prior to foliation event as flts along vein contacts indicate they were brittle units in a more plastic matrix (the schist).								
286												
287				(286.97–290.13) Slightly bleached cream coloured to pale greenish grey qtz-ser-py schist. Lower contact discrete @ 80°; possibly a shear.								
289	70		20, 70, 80	3 mm sericitic gouge. qtz vn 7.5 cm; 18 cm qtz vn, sheared w. ser gouge + flt along top margin. poss. shear								
294				(294.19–297.79) Bleached creamy grey quartz-pyrite-sericite schist.								
297			20	2 mm white ser gouge @ 20°.								
298	50			50 cm qtz vn.								

PAGE 13a OF 16 | PROJECT: | HOLE NO. BC94-05

Depth	MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS Zn ppm	ASSAYS Cu ppm	ASSAYS Au ppb	ASSAYS Ba ppm	MAG. SUSCEPT.
276											
	Rare traces diss py										
278											
280											
			280.28	whole	rock	458893					
282	Dusty diss hem tr →1% 282.30 →										
	285.50; 5% hem @ 283.00 m.		282.50	284.00	1.5	942753	86	18	<5	10	
	283.00 m 30 cm section with ≈5%		282.68	rep	sample						
	dusty diss brick red hem, traces										
284	finely diss cp + py		284.00	285.50	1.5	942754	112	23	<5	40	
286	286.04 m 30% py in siliceous		286.90	288.40	1.50	942755	46	8	<5	50	
	lapilli 5X25 mm.										
288			288.40	290.40	2.00	942756	106	38	<5	90	
			289.24	whole	rock	458894					
290											
292											
			293.12	rep	sample						
294	294.19 – 297.79 Bleached interval		294.19	295.69	1.5	942757	66	34	<5	20	
	with 2% py as disseminated										
	subhedral xtals and lenses,										
	and also as sooty diss spots		295.69	296.69	1.0	942758	56	33	<5	90	
			296.69	297.77	1.10	942759	44	26	10	100	
297											
			297.79	297.29	1.50	942760	64	11	<5	100	
	298.45 – 299.75 3% f.g. diss py										
	[illegible] traces [illegible] dk		299.[illegible]	1.6	[illegible]	[illegible]					

 PROJECT: HOLE NO. BC 94-05

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION
299				265.5–319.25 QUARTZ-SERICITE SCHIST (continued)
300				2 cm f. crushed + ser gouge @ 70°.
301				
302				
303				
304	77		35	(304.04–304.85) QUARTZ-PY SCHIST. Bleached pale creamy grey to light brown with say 4% diss py within irregular bands. qtz vn 28 cm
305				Lower contact fault slip @ 35°.
306				smear gouge
307				
308				(307.55) Yellowish green ep-rich lapilli 5x22 mm.
309			60	45 mm sericitic gouge + finely bkn core.
310			55, 55	←14 cm
311				25 cm flt zone w. finely bkn core, ser gouge + 30% vn qtz pieces. 14 cm white qtz vn along upper margin.
312			58	S1
313				(311.90–312.88) 1 to 2% brick red hem(?) in faint bands 2 mm wide parallel foliation
314			65°	
315				75 cm white qtz vn
316			30	fault with 4 cm f. bkn core along lower margin of qtz vn.
317	60°			1 m wide bx'd zone with shears @ ≈30°, say 60% contorted watery grey vn qtz bands and fragments within bx'd zone.
318	62°			white qtz vn 30 cm @ 60°.
319	70			319.25–335.48 BANDED QUARTZ-SERICITE-HEMATITE SCHIST. Light reddish brown to medium greenish grey, medium to coarse grained, moderately foliated. Protolith possibly a felsic lapilli tuff as
320			38	14 cm gouge FRM
321				S1(?)
322				

ALTERATION: A chl, B ser, C qtz, D carb, E biot | FRACTURE INTENSITY | % VEIN QTZ | ep

PAGE 1a OF 16	PROJECT:	HOLE NO. EC94-05

Depth	MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	FROM	TO	WIDTH	SAMPLE NUMBER	Zn ppm	Cu ppm	Au ppb	Ba ppm	MAG. SUSCEPT.
299			299.29	300.79	1.50	942761	62	3	<5	100	
301	1% to 3% fine diss py; rare xtals to 2.5 mm across.		300.79	302.29	1.50	942762	98	3	<5	100	
			302.29	303.29	1.00	942763	122	36	<5	90	
303			303.29	304.04	0.75	942764	236	25	<5	110	
			304.22	rep	sample						
			304.04	304.35	0.31	942765	28	252	50	40	
305			304.75	whole	rock	458896					
307	307.40-307.83 2% diss py subhedral xtals to 1 mm with traces ? sp		307.00	308.50	1.5	942766	146	138	<5	30	
309											
311	310.50 sooty py along fractures @20° to 30° to c.a.; py also diss xtals to 0.75 mm		310.13	311.13	1.00	942767	108	477	20	80	
313			313.73	whole	rock	458897					
315											
3??			320.06	rep	sample						

PAGE 15 OF [illegible]	PROJECT:	HOLE NO. BC 94-05

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE		GEOLOGICAL DESCRIPTION	ALTERATION A chl	B ser	C qtz	D carb	E biot	FRACTURE INTENSITY	% VEIN QTZ.	cp
322					lensoid feldspathic grains (cream-								
323				qtz vn 12 cm @ 65° [illegible] w. [illegible] along margins	coloured, up to 4 x 18 mm) may be								
	30°				relict 'apilli'. Fault contact with								
324					overlying unit; healed fault (?)								
					contact with underlying unit.								
325				25 cm bkn, gouge + [illegible] vn qtz pieces.									
326	55												
				10 cm qtz vn.									
327	60°												
				7 cm f. bkn + gouge									
328													
329													
330													
331				(331.50-333.78)	Medium greyish blue intensely sil'd;								
					colour due to f. diss hematite (?).								
332					Non-magnetic; only very rare								
					tiny sulphide specks. Lower contact								
333					of 'blue band' discrete @ 73°.								
	73			[illegible]									
334	25°			lower contact blue sil'd band.									
	25°												
335				335.48-356.17	QUARTZ-SERICITE-HEMATITE								
					SCHIST. Medium grained,								
336					light brick grey colour with								
					orange-red hematite finely								
337					disseminated throughout.								
					~~[illegible]~~ Unit finer grained and								
338					not as distinctly banded as								
					overlying rock; also lacking								
339					greenish (chlorite traces?) cast								
					seen above. Monotonous.								
340	48				Occassional small bluish qtz eyes								
					throughout.								
341	80°			(334.60-335.48)	Healed fault (?) breccia								
				51	band @ 25° to c.a, with								
342				[illegible] qtz vn [illegible] cm @ ≈ 90°,	sam [?] to 10% brick red hematite								
				along top	dit's within matrix & as irregular								
343				intensely sil'd bluish grey	vlts subparallel fault (?) margins.								
				band 50 cm	Gradational contact across about 50								
344				wide.	cm with underlying unit.								
					Those units pretty much the								
345					same anyways.								

PAGE 5a OF 16	PROJECT:	HOLE NO. BC 94-05

Depth	MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS Zn ppm	ASSAYS Cu ppm	ASSAYS Au ppb	ASSAYS Ba ppm	[illegible] Suscept
322											
			322.7?	whole	rock	458898					
324											
326											
328											
330											
	tr. v. f. sulphide speck		331.70	thin	section						
			332.30	whole	rock	458899					
332			332.18	rep	sample						
334											
	335.48 –										
336	No sulphides seen.										
338											
340											
343											
			343.38	rep	sample						
344			344.65	whole	rock	4589[illegible]					

 PROJECT: HOLE NO. BC94-05

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A chl	B ser	C qtz	D carb	E biot	FRACTURE INTENSITY	% VEIN QTZ.	
346												
347												
348												
349	75			13 mm finely crushed, soft core + sericitic gouge								
350	68, 60			10 cm brownish white qtz vn								
351				27 cm brownish white qtz vn w. 2 mm sericitic gouge on upper + lower contacts.								
352												
353												
354												
355	85, 65			10 mm orange gouge + f. bkn.								
				5 mm gouge + f. bkn								
356				356.17 – 363.02 BANDED QUARTZ-SERICITE-HEMATITE SCHIST. As for 319.25 – 335.48 above, except here more pervasive brick red hematite stain.								
357												
358												
359	54			S1								
360	80			7 mm sericitic gouge + f. bkn								
361												
362				8 cm banded white and light grey qtz vn.								
363	70			363.02 END OF HOLE								

PAGE 16a OF 16	PROJECT: Bell Creek	HOLE NO. BC94-05

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS				MAG. SUSCEPT.
345 no sulphides seen ↓										
347										
349										
351										
353										
		355.78	whole	rock	458901					
355										
357										
359										
360										
		360.55	rep	sample.						

APPENDIX B

PETROGRAPHIC REPORT

Vancouver Petrographics Ltd.
8080 GLOVER ROAD, LANGLEY, B.C. V3A 4P9
PHONE (604) 888-1323 • FAX (604) 888-3642

Report # 940618 for:

Murray Jones,
Westmin Resources, Ltd.,
904 - 1055 Dunsmuir Street,
VANCOUVER, B.C., V7X 1C4

December, 1994

Property: **Bell Creek (Princeton)**

Samples:	**BC94-01:**	**9.0 m, 175.88 m**
	BC94-02:	**155.15 m, 252.0 m**
	BC94-03:	**249.12 m**
	BC94-04	**79.3 m, 116.02 m, 188.23 m**
	BC94-05	**80.47 m, 106.68 m, 156.64 m, 163.81 m, 270.48 m, 331.7 m**

Summary:

The samples are from a metamorphosed sequence of mainly porphyritic, dacitic volcanic rocks which may have been tuffs and/or flows. Many of these contain phenocrysts of plagioclase and less abundant quartz. Some of the phenocrysts are recrystallized slightly to moderately to finer grained aggregates, which in places grade texturally into groundmass plagioclase-(quartz). In some samples interpreted as having been recrystallized more strongly, phenocrysts may have been much more abundant originally, and may have been recrystallized strongly to completely to much finer grained aggregates. Secondary biotite is present in a few samples, in part as porphyroblasts.

The groundmass commonly is segregated, especially in samples interpreted as having been more strongly altered. In these, plagioclase is replaced mainly by quartz-muscovite, which is concentrated in coarser grained lenses and seams parallel to foliation.

No obvious lapilli were seen. However, judging by the extent of recrystallization of plagioclase phenocrysts to groundmass plagioclase in some samples, any original lapilli with very fine to extremely fine grained textures probably would have been recrystallized completely during metamorphism.

A few samples are of andesitic dacite to andesite tuff.

Two samples are of andesite flow or dike.

A few samples contain major replacement patches and/or veins mainly dominated by calcite with lesser chlorite and locally moderately abundant pyrite or magnetite.

A: **Metamorphosed Dacite Tuff**

Sample BC94-01 9.0 m is moderately compositionally banded, with diffuse layers and lenses rich in one of plagioclase-clinozoisite, quartz, and muscovite. Biotite forms porphyroblasts, mainly in muscovite-rich layers. Late seams and patches are of cryptocrystalline limonite and locally abundant montmorillonite. Some of these represent zones of incipient brecciation.

Sample BC94-01 175.88 m is a very well foliated schist dominated by quartz with seams rich in muscovite and disseminated, euhedral pyrite grains. Because of the probability that the rock was strongly altered prior to metamorphism, the original rock type is uncertain. A lens of metamorphic segregation origin is of quartz and pyrite with minor sphalerite.

Sample BC94-02 155.15 m contains phenocrysts of plagioclase and quartz in a well foliated groundmass dominated by quartz and much less plagioclase, muscovite, and chlorite. The foliation is defined by elongation of muscovite and by compositional layering between coarser grained quartz-rich layers and less abundant, finer grained plagioclase-muscovite-rich layers.

Sample BC94-02 252.0 m contains minor phenocrysts of plagioclase and quartz in a well foliated groundmass dominated by quartz with less abundant muscovite, much less abundant plagioclase and chlorite, and minor opaque and epidote. Muscovite is concentrated moderately to locally strongly in muscovite-rich seams parallel to foliation. Plagioclase is altered slightly to moderately to epidote.

Sample BC94-03 249.12 m contains phenocrysts of plagioclase and minor phenocrysts(?) of quartz in a well foliated groundmass dominated by plagioclase with patches and lenses of coarser grained quartz commonly elongated parallel to foliation. Opaque (ilmenite?) and garnet each are concentrated in a few layers parallel to foliation. Wispy breccia seams at a high angle to foliation contain fragments of the rock in a matrix of rock flour containing moderately abundant calcite. Calcite also forms a few irregular replacement patches.

Sample BC-94-04 188.23 m contains small phenocrysts of plagioclase and minor quartz lenses in a moderately foliated groundmass dominated by plagioclase with much less quartz, calcite, clinozoisite, muscovite, and chlorite, and minor biotite, pyrite, pyrrhotite, and Ti-oxide. Calcite is concentrated in slightly coarser grained lenses parallel to foliation, which probably are of metamorphic segregation origin. Chlorite and biotite appear to be in equilibrium.

Sample BC94-05 80.47 m contains phenocrysts of plagioclase in a variable groundmass, in part dominated by extremely fine grained plagioclase and in part dominated by quartz-chlorite-muscovite-(calcite). The former probably represents material which reflects the original texture of the rock and the latter probably represents part of the rock which was more altered and recrystallized. Biotite forms disseminated grains, some with a porphyroblastic texture. A few lenses and patches are of pyrite and montmorillonite. The rock is cut by a "shear zone" 2-3 mm wide which was foliated strongly and recrystallized to quartz-muscovite-calcite. Late veinlets are of calcite.

Sample BC94-05 106.68 m contains phenocrysts of plagioclase in a groundmass containing extremely fine grained zones dominated by plagioclase and coarser grained zones dominated by quartz with lesser chlorite and muscovite. Chlorite and muscovite are concentrated moderately in seams parallel to the foliation. Chalcopyrite forms minor lenses. A veinlet is of quartz-chlorite-pyrite. A late veinlet is of calcite. A late breccia zone contains fragments of plagioclase in a groundmass of chlorite-(sericite).

Sample BC94-05 270.48 m contains minor plagioclase phenocrysts and very minor quartz phenocrysts (?) in a well foliated groundmass dominated by quartz and muscovite, with less abundant plagioclase and chlorite. Muscovite and chlorite are concentrated moderately to strongly in seams parallel to foliation. Plagioclase is concentrated moderately in plagioclase-rich patches; these may represent the least altered part of the rock. A few wide muscovite-chlorite-rich layers were loci of later shearing which produced a series of tight kink folds along the layer. Minor veinlets are of calcite.

Sample BC94-05 331.70 m contains phenocrysts of plagioclase and less abundant quartz in a well foliated groundmass dominated by plagioclase with much less quartz and chlorite and minor opaque-Ti-oxide. Locally foliation is warped around plagioclase phenocrysts. The bluish color of the sample may be due to the finely disseminated opaque (ilmenite). Recrystallized lenses and patches are of plagioclase-quartz. A few veinlets are of calcite.

B: Andesitic Dacite/Andesite Tuff

Sample BC94-04 79.3 m is slightly compositionally banded parallel to a prominent foliation. Much of it is dominated by extremely fine grained plagioclase with less abundant epidote, biotite, and quartz. A few coarser plagioclase grains may represent remnants of more abundant phenocrysts, which were recrystallized during metamorphism, to extremely fine grained aggregates. Quartz is concentrated in very fine grained lenses. A few seams are rich in biotite. A late veinlet is of calcite with patches of limonite/hematite.

Sample BC94-04 116.02 m contains phenocrysts of plagioclase in a well foliated groundmass of extremely fine grained plagioclase with less abundant chlorite and minor opaque, epidote, calcite, and quartz. K-feldspar is disseminated in some layers in the host rock. Post-deformation replacement patches are of fine to coarse grained calcite with patches of bright green chlorite and local concentrations of magnetite. Recrystallized plagioclase and K-feldspar are concentrated in a few patches along the margins of the vein.

C: Andesite Flow/Dike

Sample BC95-05 156.64 m contains coarser grains of plagioclase (probably after original phenocrysts) in a groundmass of finer grained plagioclase, chlorite, calcite, and quartz, and minor disseminated epidote and magnetite. A moderate foliation perpendicular to the length of the section is defined by elongation of mineral grains and mineral aggregates (mainly chlorite and calcite). A weak fabric defined by orientation of plagioclase grains and lenses parallel to the length of the section may represent a primary foliation; this was obvious in the thin section.

Sample BC94-05 163.81 m is zoned strongly. The dark green host rock at one end of the section is a moderately foliated metamorphosed and altered andesite dominated by chlorite with disseminated patches of plagioclase, epidote and opaque. If it is the same rock as Sample BC94-05 156.64 m, it was altered strongly to chlorite, possibly in an envelope along the vein.

The vein is dominated by calcite with moderately abundant chlorite, plagioclase, and patches of pyrite.

Fragments(?) in the vein towards the other end of the section are of a metasomatized andesite(?) dominated by medium grained plagioclase with minor patches of quartz and chlorite and disseminated magnetite grains. Epidote (in part pseudomorphic) forms abundant replacement patches in plagioclase.

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Sample BC94-01 9.0 m **Metamorphosed Dacite Tuff: Quartz-Muscovite-Plagioclase-Clinozoisite-Biotite Schist; Limonite-Montmorillonite Seams, Patches**

The rock is moderately compositionally banded, with diffuse layers and lenses rich in one of plagioclase-clinozoisite, quartz, and muscovite. Biotite forms porphyroblasts, mainly in muscovite-rich layers. Late seams and patches are of cryptocrystalline limonite and locally abundant montmorillonite. Some of these represent zones of incipient brecciation.

plagioclase	35-40%
quartz	30-35
muscovite	12-15
clinozoisite	7- 8
biotite	3- 4
chlorite	1- 2
Ti-oxide	0.2
late seams, patches	
limonite	4- 5
montmorillonite	1

Plagioclase forms slightly to moderately interlocking grains averaging 0.01-0.03 mm in size. Commonly intergrown with plagioclase are moderately abundant clinozoisite grains of similar size and a few prismatic grains averaging 0.05-0.1 mm long. Some dense patches of plagioclase-clinozoisite up to 1.5 mm in size may be secondary after original plagioclase phenocrysts. However, if so, they have been recrystallized completely.

Quartz forms equant grains averaging 0.07-0.15 mm in size commonly intergrown with minor muscovite and chlorite. Locally epidote grains averaging 0.03-0.1 mm in size are intergrown with quartz and muscovite-chlorite.

Muscovite and less abundant chlorite form flakes averaging 0.05-0.1 mm long, mainly oriented parallel to foliation. They are concentrated moderately in seams up to 0.3 mm wide.

Biotite forms anhedral porphyroblasts averaging 0.2-0.5 mm in size, some of which are oriented at a moderate to high angle to the foliation. Pleochroism is from pale to medium brown. Chlorite forms one elongate grain 1.2 mm long and 0.4 mm wide elongated parallel to foliation. Pleochroism of chlorite is from pale to very light green.

Sphene(?) forms one grain 0.3 mm long.

Limonite forms irregular lenses up to 0.3 mm wide mainly parallel to foliation and a few irregular patches up to 1.5 mm in size. Some of these are medium brown to opaque and others are bright reddish orange and isotropic. In some narrow micaceous seams, limonite is moderately abundant. Some lenses up to 0.3 mm wide are dominated by cryptocrystalline montmorillonite(?), whose optical properties are obscured by limonite. Some limonite-rich patches up to 1.7 mm across are zones of brecciation containing extremely fine grained fragments of quartz and muscovite in cryptocrystalline, reddish orange limonite.

Ti-oxide forms disseminated patches averaging 0.1-0.15 mm in size of cryptocrystalline grains.

Sample BC94-01 175.88 m **Metamorphosed Dacite Tuff; Segregation Lens of Quartz-Pyrite-(Sphalerite)**

The sample is a very well foliated schist dominated by quartz with seams rich in muscovite and disseminated, euhedral pyrite grains. Because of the probability that the rock was strongly altered prior to metamorphism, the original rock type is uncertain. A lens of metamorphic segregation origin is of quartz and pyrite with minor sphalerite.

quartz	77-80%
muscovite	15-17
pyrite	1- 2
chlorite	0.1
montmorillonite(?)	0.1
Ti-oxide	minor
apatite	minor
tourmaline	trace
zircon	trace
segregation lenses	
quartz	2
pyrite	0.7
sphalerite	trace

Quartz forms mainly sub-mosaic grains averaging 0.07-0.15 mm in size, with a few grains from 0.3-1.3 mm long, mainly elongated parallel to foliation. Some of the larger grains may represent original phenocrysts.

Muscovite is concentrated in seams up to 1 mm wide as elongate flakes averaging 0.2-0.5 mm long with disseminated flakes averaging 0.05-0.15 mm in size. Textures in many seams suggest that original coarser grained muscovite was recrystallized to finer grained aggregates along zones of continued or later deformation parallel to the original foliation.

Pyrite forms disseminated, euhedral cubic and elongated cubic grains averaging 0.1-0.3 mm in size and a few from 0.5-0.9 mm long. Chlorite forms a few flakes up to 0.3 mm long, associated with pyrite.

One patch 0.5 mm long adjacent to a few pyrite grains consists of cryptocrystalline to extremely fine grained montmorillonite(?). This mineral is very soft, with a R.I., moderately less than that of quartz, and with low birefringence.

Ti-oxide forms clusters up to 0.05 mm in size of grains averaging 0.005-0.01 mm in size, and a few single grains up to 0.05 mm across concentrated mainly in muscovite-rich seams.

Apatite forms a few anhedral grains averaging 0.05-0.07 mm in size.

Chalcopyrite forms a few disseminated grains averaging 0.05-0.17 mm in size in quartz and associated with pyrite.

Zircon forms a few anhedral to subhedral grains 0.02-0.05 mm in size.

Tourmaline forms one sub-radiating cluster of three prismatic grains up to 0.2 mm long

One coarser grained lens, probably of metamorphic origin, 1 mm long and a few mm long contains quartz grains averaging 0.3-0.7 mm in size and a few up to 1 mm across. Pyrite forms clusters of anhedral grains averaging 0.2-0.5 mm in size. A few of these contain minor, interstitial grains up to 0.2 mm across of colorless sphalerite.

Sample BC94-02 155.15 m **Metamorphosed Porphyritic Dacite (Plagioclase, Quartz); Veinlets of Calcite**

Phenocrysts of plagioclase and quartz are set in a well foliated groundmass dominated by quartz and much less plagioclase, muscovite, and chlorite. The foliation is defined by elongation of muscovite and by compositional layering between coarser grained quartz-rich layers and less abundant, finer grained plagioclase-muscovite-rich layers.

phenocrysts			
plagioclase	7- 8%		
quartz	4- 5		
groundmass			
quartz	55-60	chlorite	5- 7%
plagioclase	12-15	apatite	minor
muscovite	7- 8	Ti-oxide	trace
veinlets			
calcite	1		

Plagioclase forms mainly prismatic phenocrysts averaging 0.5-1.2 mm in size. Bordering a few are patches up to 0.15 mm wide of very fine grained chlorite. One grain contains abundant, very fine grained quartz inclusions in a myrmekitic texture. One is recrystallized moderately to a very fine sub-grain aggregate.

Quartz forms rounded to locally euhedral phenocrysts averaging 0.5-1 mm across and a few up to 1.5 mm across. Most are strained slightly and a few are recrystallized slightly to finer sub-grain aggregates as in the groundmass. Along their margins, many are intergrown slightly with groundmass quartz, a result of metamorphic recrystallization.

In the groundmass, quartz forms equant grains averaging 0.05-0.07 mm in size.

Plagioclase is concentrated moderately to strongly in lenses up to 0.8 mm in width parallel to foliation in which it forms equant, slightly interlocking grains averaging 0.015-0.03 mm in size. In some of these layers, chlorite forms interstitial flakes averaging 0.01-0.05 mm long.

Muscovite and chlorite are concentrated moderately in micaceous seams and in some layers with moderately abundant plagioclase.

Calcite forms disseminated anhedral grains and lenses of grains averaging 0.07-0.15 mm in size.

Ti-oxide forms disseminated patches of grains ranging from cryptocrystalline to 0.02 mm in size, and one grain 0.08 mm long.

Apatite forms disseminated, anhedral grains averaging 0.05-0.1 mm in size.

Wispy, in part braided veinlets averaging 0.05-0.15 mm in width are of very fine grained calcite. Veinlets cut irregularly across the section, with textures suggesting that they were folded slightly by movement along the foliation planes.

Sample BC94-02 252.0 m **Metamorphosed Slightly Porphyritic Dacite Tuff = Quartz-Muscovite-Plagioclase-(Chlorite) Schist;**

Minor phenocrysts of plagioclase and quartz are set in a well foliated groundmass dominated by quartz with less abundant muscovite, much less abundant plagioclase and chlorite, and minor opaque and epidote. Muscovite is concentrated moderately to locally strongly in muscovite-rich seams parallel to foliation. Plagioclase is altered slightly to moderately to epidote.

phenocrysts			
plagioclase	3- 4%		
quartz	2- 3		
groundmass			
quartz	65-70	opaque	0.5%
muscovite	15-20	epidote	0.3
plagioclase	4- 5	apatite	trace
chlorite	3- 4	zircon	trace

Plagioclase forms equant phenocrysts averaging 0.1-0.5 mm in size and a few up to 1 mm across. Alteration is slight to moderate and locally strong to disseminated, extremely fine grained epidote. Some phenocrysts are recrystallized moderately to extremely fine grained aggregates of equant grains as in the groundmass.

Quartz forms a few equant grains averaging 0.5-1 mm in size and one 1.5 mm across. Grains are strained slightly and recrystallized slightly to strongly to very fine, sub-grain aggregates. One subrounded quartz-rich patch 1 mm across contains a patch 1.2 mm long of very fine grained epidote, possibly pseudomorphing an original plagioclase phenocryst.

In the groundmass, quartz forms anhedral grains averaging 0.05-0.12 mm in size.

Muscovite is concentrated slightly to moderately in muscovite-rich seams parallel to the foliation as flakes averaging 0.07-0.15 mm long.

Plagioclase is concentrated in a few lenses up to 0.7 mm wide parallel to foliation as equant grains averaging 0.01-0.02 mm in size. Commonly plagioclase phenocrysts are concentrated in these lenses; this suggests that these are less recrystallized and altered relics of the original rock, and that the quartz-muscovite zones were more strongly altered and recrystallized. Some patches of groundmass plagioclase contain moderately abundant, disseminated grains of epidote averaging 0.01 mm in size.

Chlorite is concentrated in a few equant patches up to 0.5 mm in size as very pale green flakes averaging 0.03-0.08 mm in size. It also forms disseminated flakes averaging 0.05-0.1 mm in size intergrown with quartz and muscovite.

Opaque (ilmenite?) forms disseminated equant to elongate grains averaging 0.05-0.1 mm in length. A few opaque patches up to 0.3 mm in size may be pyrite grains. It is concentrated moderately in muscovite-rich seams.

Epidote forms disseminated, anhedral to subhedral grains averaging 0.03-0.07 mm in size, and a very few prismatic grains up to 0.25 mm long.

Apatite forms anhedral, equant grains averaging 0.05-0.07 mm in size.

Zircon forms a few equant, anhedral grains averaging 0.03-0.05 mm in size.

Sample BC94-03 249.12 m **Metamorphosed, Slightly Porphyritic Dacite; Late Breccia Seams with Minor Carbonate**

Phenocrysts of plagioclase and minor phenocrysts(?) of quartz are set in a well foliated groundmass dominated by plagioclase with patches and lenses of coarser grained quartz commonly elongated parallel to foliation. Opaque (ilmenite?) and garnet each are concentrated in a few layers parallel to foliation. Wispy breccia seams at a high angle to foliation contain fragments of the rock in a matrix of rock flour containing moderately abundant calcite. Calcite also forms a few irregular replacement patches.

phenocrysts			
plagioclase	7- 8%	quartz	0.5
groundmass			
plagioclase	50-55	muscovite	0.5%
quartz	25-30	chlorite	0.2
calcite	2- 3	garnet	0.2
opaque	0.7	Ti-oxide	0.2
breccia seams	5- 7		

Plagioclase forms anhedral phenocrysts averaging 0.5-1 mm in size and a few up to 1.5 mm long. Many contain moderately abundant dusty opaque/semi-opaque inclusions in broad cores and gave thin rims free of such inclusions. In several grains, cores are untwinned whereas rims contain fine albite twins.

A few quartz patches up to 1.2 mm in size may represent original quartz phenocrysts; they are recrystallized to very fine to fine, sub-grain aggregates.

In the groundmass, plagioclase forms equant to slightly elongate grains averaging 0.01-0.02 mm in size. Elongation of many of these defines a prominent foliation.

Quartz is concentrated moderately in lenses and patches averaging a few mm in size as equant grains averaging 0.07-0.15 mm in size and locally up to 0.5 mm across. A few coarser grained patches are dominated by quartz with moderately abundant, ragged grains of calcite intergrown with patches of opaque and minor muscovite.

Muscovite and chlorite are concentrated in wispy lenses parallel to foliation as flakes averaging 0.1-0.3 mm in size. A few larger seams also contain lenses of calcite intergrown with muscovite flakes.

Opaque (ilmenite?) forms equant to elongate grains averaging 0.02-0.07 mm in size, commonly concentrated moderately in trains parallel to foliation. A few anhedral, equant patches are up to 0.3 mm across. Near one end of the section, plagioclase-rich layers contain moderately abundant subhedral to euhedral garnet grains averaging 0.03-0.05 mm in size and locally up to 0.12 mm across. These layers also contain moderately abundant ilmenite.

Ti-oxide forms disseminated patches up to 0.15 mm in size of cryptocrystalline aggregates.

Breccia seams averaging 0.1-0.3 mm wide and locally up to 0.8 mm wide contain fragments of plagioclase and quartz in a cryptocrystalline groundmass containing moderately abundant disseminated calcite. In some of these, plagioclase grains were recrystallized to be elongated parallel to the length of the seam. Calcite forms a few irregular, discontinuous veinlets up to 0.3 mm wide, which probably are related in origin to the calcite in the breccia matrix.

Sample BC94-04 79.3 m **Metamorphosed Dacite/Andesite Tuff; Calcite-(Limonite/Hematite) Veinlet**

The rock is slightly compositionally banded parallel to a prominent foliation. Much of it is dominated by extremely fine grained plagioclase with less abundant epidote, biotite, and quartz. A few coarser plagioclase grains may represent remnants of more abundant phenocrysts, which were recrystallized during metamorphism, to extremely fine grained aggregates. Quartz is concentrated in very fine grained lenses. A few seams are rich in biotite. A late veinlet is of calcite with patches of limonite/hematite.

phenocrysts			
plagioclase	minor		
groundmass			
plagioclase	65-70%	opaque	0.5%
epidote	10-12	chlorite	0.3
biotite	8-10	apatite	0.2
quartz	8-10		
veinlets			
calcite-(limonite/hematite)	0.5		

A few plagioclase grains up to 0.5 mm in size are relic phenocrysts; they are elongated parallel to foliation and partly recrystallized to groundmass plagioclase.

Plagioclase forms slightly interlocking grains averaging 0.015-0.03 mm in size.

Epidote forms disseminated anhedral, equant to subhedral, prismatic grains averaging 0.02-0.07 mm in size, with a few from 0.1-0.2 mm long. It is intergrown with plagioclase, and probably was formed by the breakdown of originally more-calcic plagioclase to the present assemblage of more-sodic plagioclase-epidote. It is concentrated moderately to strongly in patches up to 1.5 mm across.

Quartz forms disseminated grains averaging 0.05-0.08 mm in size intergrown with plagioclase. It is concentrated in lenses parallel to foliation averaging 0.2-0.5 mm in width, in which it forms anhedral grains averaging 0.07-0.15 mm in size.

Biotite forms flakes averaging 0.1-0.3 mm in size. Pleochroism is from pale to medium greenish brown. It is concentrated moderately to strongly in a few, biotite-rich seams, which contain slender flakes ranging up to 1.3 mm in length. Locally biotite is replaced partly by pseudomorphic chlorite.

Chlorite forms disseminated slender flakes averaging 0.07-0.1 mm in length. Pleochroism is from pale to light/medium green.

Opaque (ilmenite?) forms lenses parallel to foliation up to 0.5 mm long and disseminated grains averaging 0.02-0.04 mm in size. A few patches up to 0.3 mm in size contain abundant extremely fine grains of opaque intergrown with plagioclase.

Apatite forms anhedral grains averaging 0.02-0.05 mm in size and a few up to 0.08 mm long.

An irregular veinlet 0.1-01.5 mm wide is of very fine grained calcite, in part with an envelope of red/brown limonite/hematite. A veinlet of calcite 0.02 mm wide cuts across foliation at a high angle.

Sample BC94-04 116.02 m Metamorphosed Slightly Porphyritic Andesite Tuff; Plagioclase-Chlorite-Epidote-(K-feldspar) Replacement Patch of Calcite-Chlorite-Magnetite

Phenocrysts of plagioclase are set in a well foliated groundmass of extremely fine grained plagioclase with less abundant chlorite and minor opaque, epidote, calcite, and quartz. K-feldspar is disseminated in some layers in the host rock. Post-deformation replacement patches are of fine to coarse grained calcite with patches of bright green chlorite and local concentrations of magnetite. Recrystallized plagioclase and K-feldspar are concentrated in a few patches along the margins of the vein.

phenocrysts		
plagioclase	4- 5%	
groundmass		
plagioclase	40-45	
chlorite	7- 8	
epidote	3- 4	
K-feldspar	1- 2	
opaque	1	
apatite	0.1	
muscovite	minor	
replacement patch, veinlets		
calcite	25-30	
chlorite	4- 5	
magnetite	1	
in margin of replacement patch		
plagioclase	3- 4	
K-feldspar	1- 2	(in host rock on margin of vein)

Plagioclase forms phenocrysts averaging 0.3-1 mm in size. Many are recrystallized moderately towards groundmass plagioclase. Some are replaced along their margins by K-feldspar.

In the groundmass, plagioclase forms grains averaging 0.015-0.025 mm in size and a few patches of grains averaging 0.05-0.08 mm in size. K-feldspar probably is intergrown with plagioclase; it was not identified in the groundmass optically, but its distribution can be seen in the stained offcut block. It appears to be concentrated in certain layers in the rock. In these layers and in others, it is concentrated more strongly adjacent to the replacement patch.

Chlorite forms flakes averaging 0.1-0.5 mm in length oriented parallel to foliation. Pleochroism is from pale yellowish green to medium green. Intergrown with chlorite are a few flakes of muscovite of similar size and texture.

Epidote forms disseminated grains averaging 0.02-0.03 mm in size.

Opaque (probably mainly ilmenite) is concentrated in lenses up to 0.7 mm long parallel to foliation as aggregates of grains averaging 0.01-0.02 mm in size.

Apatite forms anhedral, equant grains averaging 0.05-0.1 mm in size and a few up to 0.2 mm across.

(continued)

In the main vein/replacement patch, calcite forms grains averaging 1-3 mm in size and a few up to 5 mm across. In the core of the patch, chlorite is concentrated strongly in a few clusters up to a few mm across as aggregates of subhedral to euhedral grains averaging 0.2-0.6 mm in size. Some of these are slightly radiating in texture. Pleochroism is as in the groundmass, from pale yellowish green to medium green. A few grains contain minor muscovite lenses grown along cleavage planes. Smaller clusters of chlorite in the core and a few larger ones along the margin are of equant flakes averaging 0.03-0.1 mm in size. Some of these contain thin selvages of calcite along grain borders of chlorite.

Magnetite is concentrated in a few elongate clusters of anhedral to subhedral grains averaging 0.07-0.3 mm in size.

Opaque (specular hematite?) forms a few clusters of platy grains up to 0.2 mm long.

In an embayment in the calcite-chlorite replacement patch is a zone containing moderately abundant anhedral plagioclase grains averaging 0.2-0.6 mm in size, which are replaced slightly to moderately in irregular, extremely fine grained patches by K-feldspar. Other patches are of plagioclase grains averaging 0.1-0.3 mm in size with interstitial K-feldspar patches averaging 0.05-0.1 mm in size. These plagioclase grains contain moderately abundant dusty semi-opaque inclusions oriented parallel to the c-axis of plagioclase. These aggregates show no sign of deformation, suggesting that they were formed with the replacement patch. In this zone, Ti-oxide forms a few clusters up to 0.4 mm in size of subhedral, equant grains averaging 0.01-0.03 mm in size intergrown with plagioclase.

A few calcite veinlets up to 0.1 mm wide extend off the main replacement/vein into the host rock. Irregular patches of calcite in the host rock averaging 0.05-0.1 mm in size probably are related in origin to the main replacement patch.

A brecciated seam averaging 0.1-0.2 mm wide contains extremely fine grained, granulated plagioclase with seams of dark brown, cryptocrystalline limonite(?). It may be related in origin to the calcite veinlets.

Sample BC-94-04 188.23 m **Metamorphosed Dacite Tuff**

Small phenocrysts of plagioclase and minor quartz lenses are set in a moderately foliated groundmass dominated by plagioclase with much less quartz, calcite, clinozoisite, muscovite, and chlorite, and minor biotite, pyrite, pyrrhotite, and Ti-oxide. Calcite is concentrated in slightly coarser grained lenses parallel to foliation, which probably are of metamorphic segregation origin. Chlorite and biotite appear to be in equilibrium.

phenocrysts			
plagioclase	3- 4%		
quartz (?)	0.3		
groundmass			
plagioclase	55-60	biotite	1- 2%
quartz	12-15	pyrite	1
calcite	7- 8	pyrrhotite	1
clinozoisite	5- 7	Ti-oxide	0.5
muscovite	3- 4	apatite	0.1
chlorite	3- 4	chalcopyrite	trace

Plagioclase forms anhedral phenocrysts averaging 0.3-0.5 mm in size. Some are recrystallized slightly to moderately to extremely fine grained aggregates as in the groundmass.

Quartz forms a few patches up to 0.8 mm in size which may represent strained and partly recrystallized original phenocrysts.

In the groundmass, plagioclase forms equant, sub-mosaic grains averaging 0.015-0.03 mm in size in some layers and 0.02-0.05 mm in size in others. Quartz forms sub-mosaic grains averaging 0.05-0.08 mm in size.

Calcite is concentrated in lenses parallel to foliation as grains averaging 0.1-0.15 mm in size and locally up to 0.5 mm long in a few larger lenses.

Clinozoisite forms disseminated, equant, anhedral to subhedral grains averaging 0.05-0.1 mm in size and a few up to 0.25 mm long.

Muscovite forms slender flakes averaging 0.1-0.25 mm in length oriented parallel to foliation. Chlorite forms flakes averaging 0.05-0.15 mm in length intergrown with muscovite, quartz, and biotite. Biotite forms disseminated flakes averaging 0.1-0.2 m long, with pleochroism from nearly colorless to light reddish brown. A few anhedral porphyroblasts of biotite from 0.15-0.3 mm across are oriented at a moderate angle to the foliation.

Pyrite forms disseminated equant, subhedral grains averaging 0.03-0.06 mm in size and a few from 0.1-0.5 mm long and one 0.7 mm across. A few larger grains contain inclusions up to 0.1 mm in size of fresh pyrrhotite. The largest grain also contains an inclusion 0.04 mm long of pyrrhotite and lesser chalcopyrite.

At one end of the section, a lens 1.7 mm long is of anhedral pyrrhotite grains averaging 0.1-0.4 mm in size. Elsewhere pyrrhotite forms patches up to 0.5 mm in size of very fine grains, in part intergrown with pyrite. Alteration of pyrrhotite is mainly complete to secondary pyrite and moderately abundant dusty non-reflective oxide?.

Ti-oxide forms disseminated patches averaging 0.15-0.25 mm in size and locally up to 0.8 mm long of cryptocrystalline grains.

Apatite forms a few anhedral grains averaging 0.07-0.15 mm in size.

Sample BC94-05 80.47 m Metamorphosed Porphyritic Dacite; Shear Zone of Quartz-Muscovite-Calcite; Veinlets of Calcite

Phenocrysts of plagioclase are set in a variable groundmass, in part dominated by extremely fine grained plagioclase and in part dominated by quartz-chlorite-muscovite-(calcite). The former probably represents material which reflects the original texture of the rock and the latter probably represents part of the rock which was more altered and recrystallized. Biotite forms disseminated grains, some with a porphyroblastic texture. A few lenses and patches are of pyrite and montmorillonite. The rock is cut by a "shear zone" 2-3 mm wide which was foliated strongly and recrystallized to quartz-muscovite-calcite. Late veinlets are of calcite.

phenocrysts	
plagioclase	7- 8%
groundmass	
plagioclase	30-35
quartz	25-30
chlorite	3- 4
calcite	2- 3
muscovite	2- 3
biotite	1- 2
pyrite	1- 2
montmorillonite	1- 2
Ti-oxide	0.5
apatite	minor
shear zone	
quartz-muscovite-calcite	15-17
late veinlets	
calcite	0.2

Plagioclase forms anhedral phenocrysts averaging 0.3-0.7 mm in size and a few up to 1.2 mm across. Alteration is slight to sericite and calcite. Many contain rounded inclusions of quartz and plagioclase which may represent incipient destruction of phenocrysts by recrystallization towards aggregates similar to those in the plagioclase-rich groundmass.

In the groundmass, plagioclase forms equant, anhedral grains averaging 0.01-0.02 mm in size. Intergrown with plagioclase are flakes of chlorite and much less abundant muscovite oriented parallel to foliation and disseminated grains of epidote. Chlorite forms grains averaging 0.05-0.1 mm long. Epidote forms disseminated anhedral to subhedral grains averaging 0.02-0.05 mm in size, and a few up to 0.12 mm long.

Quartz forms equant grains averaging 0.05-0.1 mm in size. It is concentrated in lenses and patches elongated parallel to foliation.

Biotite forms disseminated flakes averaging 0.1-0.3 mm in length. A few grains up to 0.4 mm in size have irregular outlines and a porphyroblastic texture. Pleochroism is from pale to medium reddish brown to orangish brown. A few grains are replaced slightly by chlorite.

Calcite forms disseminated, anhedral grains averaging 0.05-0.1 mm in size.

Ti-oxide forms patches up to 0.3 mm in size of cryptocrystalline grains.

(continued)

Pyrite and minor marcasite is concentrated in lenses up to 2 mm long and 0.5 mm wide oriented parallel to foliation. Associated with these are abundant patches in which pyrite forms delicate selvages among quartz grains averaging 0.05-0.1 mm in size. As well, numerous, delicate, in part braided veinlets averaging 0.01 mm wide are of similar, extremely fine grained pyrite. Associated with some pyrite patches are lenses up to 0.5 mm long of cryptocrystalline montmorillonite, commonly stained medium brown by limonite.

A few lenses up to 1 mm long oriented parallel to foliation are of extremely fine grained montmorillonite, in part with a sub-radiating texture. Associated with some patches are subhedral to euhedral grains of epidote averaging 0.05-0.1 mm in size.

Apatite forms equant grains averaging 0.05-0.07 mm in size and a few up to 0.15 mm across.

In the shear zone, quartz and plagioclase form equant grains averaging 0.05-0.1 mm in size. Muscovite and much less chlorite are concentrated inn flakes averaging 0.1-0.4 mm long oriented parallel to the length of the shear zone. Calcite is concentrated in lenses oriented parallel to the length of the shear zone as grains averaging 0.1-0.2 mm in size.

Calcite forms late veinlets averaging 0.03-0.05 mm in size.

Sample BC94-05 106.68 m **Metamorphosed Porphyritic Dacite Tuff(?)**
Veinlet of Quartz-Pyrite

Phenocrysts of plagioclase are set in a groundmass containing extremely fine grained zones dominated by plagioclase and coarser grained zones dominated by quartz with lesser chlorite and muscovite. Chlorite and muscovite are concentrated moderately in seams parallel to the foliation. Chalcopyrite forms minor lenses. A veinlet is of quartz-chlorite-pyrite. A late veinlet is of calcite. A late breccia zone contains fragments of plagioclase in a groundmass of chlorite-(sericite).

phenocrysts			
plagioclase	10-12%		
groundmass			
plagioclase	35-40	pyrite	0.5
quartz	25-30	opaque	0.3
chlorite	12-15	chalcopyrite	0.2
calcite	2- 3	Ti-oxide	0.2
muscovite	1- 2	apatite	0.1
epidote	0.7		
veinlets			
quartz-chlorite-pyrite	2- 3		
calcite	0.3		
breccia zone	0.3		

Plagioclase forms phenocrysts averaging 0.3-1 mm in size and a few up to 2 mm long. Grains are fractured coarsely and slightly recrystallized to finer sub-grain aggregates. Some larger grains are more strongly fractured and replaced by irregular patches of very fine grained quartz as in the groundmass.

In the groundmass, plagioclase forms equant to slightly elongate grains averaging 0.01-0.02 mm in size.

Chlorite and much less abundant muscovite are concentrated in seams parallel to foliation. Chlorite forms very pale green flakes averaging 0.05-0.1 mm in length, oriented sub-parallel to foliation. Muscovite forms flakes averaging 0.05-0.15 mm long with textural relations similar to those of chlorite, and commonly intergrown intimately along cleavage with chlorite. In places foliation is warped around phenocrysts of plagioclase. Bordering many of these phenocrysts, chlorite, with or without quartz and minor muscovite, forms patches of very fine grains. Chlorite also forms flakes averaging 0.01-0.02 mm long intergrown with groundmass plagioclase and oriented parallel to foliation.

Quartz is concentrated in irregular patches up to a few mm in size as equant grains averaging 0.07-0.1 mm in size intergrown with less abundant chlorite and muscovite.

Several lenses up to 1.5 mm wide and several mm long of very fine grained quartz and/or fine grained plagioclase with moderately abundant very fine grained to locally fine grained calcite. Calcite also forms disseminated very fine grains.

(continued)

Pyrite is concentrated in a few lenses as anhedral grains averaging 0.1-0.2 mm in size and locally up to 0.6 mm long. One large grain contains an inclusion 0.2 mm long of chalcopyrite.

Epidote forms disseminated, subhedral to euhedral grains averaging 0.1-0.15 mm in size in groundmass plagioclase and anhedral to subhedral grains averaging 0.03-0.05 mm in size mainly intergrown with chlorite.

Chalcopyrite forms a few lenses up to 0.5 mm long intergrown coarsely with chlorite and quartz.

Apatite forms anhedral grains averaging 0.07-0.15 mm in size and a few up to 0.4 mm long. Ti-oxide forms disseminated grains averaging 0.02-0.07 mm in size and a few up to 0.1 mm long.

A discontinuous veinlet up to 1 mm wide is of very fine to locally fine grained quartz, chlorite, and pyrite. Chalcopyrite forms one grain 0.04 mm in size on the border of a large pyrite grain.

A discontinuous veinlet up to 0.3 mm wide is of very fine to fine grained calcite.

Along one edge of the section is a zone up to 0.25 mm wide of finely brecciated rock containing fragments 0.01-0.05 mm in size of plagioclase and minor ones of Ti-oxide in a groundmass of chlorite and minor sericite.

Sample BC95-05 156.64 m Metamorphosed Porphyritic Andesite Flow/Dike

The sample contains coarser grains of plagioclase (probably after original phenocrysts) in a groundmass of finer grained plagioclase, chlorite, calcite, and quartz, and minor disseminated epidote and magnetite. A moderate foliation perpendicular to the length of the section is defined by elongation of mineral grains and mineral aggregates (mainly chlorite and calcite). A weak fabric defined by orientation of plagioclase grains and lenses parallel to the length of the section may represent a primary foliation; this was obvious in the thin section.

phenocrysts			
plagioclase	20-25%		
groundmass			
plagioclase	30-35	magnetite	2- 3%
chlorite	17-20	epidote	2- 3
calcite	10-12	apatite	0.3
quartz	7- 8	chalcopyrite	trace
veinlet			
calcite-(limonite)	1- 2		

Plagioclase forms anhedral, prismatic to tabular phenocrysts averaging 0.7-1.2 mm long. These are altered slightly to extremely fine grained epidote and chlorite. Some of these probably represent original phenocrysts. A few are slightly recrystallized to extremely fine grained subgrain aggregates.

In the groundmass, plagioclase forms anhedral grains averaging 0.03-0.05 mm in size.

Chlorite forms flakes averaging 0.05-0.2 mm long, and a few up to 0.4 mm long. Pleochroism is weak from pale to very light green.

Quartz is concentrated in irregular patches and lenses as equant to moderately elongate grains averaging 0.05-0.1 mm in size.

Calcite is concentrated in patches and seams up to 2 mm long (mainly elongated parallel to foliation) of grains averaging 0.2-0.5 mm in size and locally up to 1.5 mm long. A few calcite lenses contain minor quartz grains u p to 0.4 mm across and chalcopyrite grains up to 0.1 mm in size.

Magnetite forms disseminated equant to much less abundant tabular grains averaging 0.05-0.1 mm in size and locally up to 0.15 mm long. Alteration is slight to moderate in patches to hematite.

Epidote forms disseminated, mainly equant grains averaging 0.03-0.1 mm in size and a few prismatic grains up to 0.3 mm long. Coarser grains commonly are porphyroblastic and somewhat irregular in outline.

Apatite forms anhedral, stubby prismatic grains averaging 0.07-0.1 mm in size and locally up to 0.15 mm long; they commonly have subrounded outlines.

Chalcopyrite forms a few disseminated grains ranging from 0.05-0.3 mm in size.

An irregular, lensy veinlet averaging 0.05-0.1 mm wide is of extremely fine grained calcite stained orange by limonite. A few wider lenses up to 0.3 mm wide contain calcite grains averaging 0.2-0.5 mm in size.

Sample BC94-05 163.81 m Calcite-Plagioclase-Quartz-(Chlorite-Epidote-Pyrite) Vein in Chlorite-Altered Metamorphosed Andesite; Fragments(?) in Vein of Plagioclase-Epidote-(Quartz-Magnetite-Chlorite)

The dark green host rock at one end of the section is a moderately foliated metamorphosed and altered andesite dominated by chlorite with disseminated patches of plagioclase, epidote and opaque. If it is the same rock as Sample BC94-05 156.64 m, it was altered strongly to chlorite, possibly in an envelope along the vein.

The vein is dominated by calcite with moderately abundant chlorite, plagioclase, and patches of pyrite.

Fragments(?) in the vein are of a metasomatized andesite(?) dominated by medium grained plagioclase with minor patches of quartz and chlorite and disseminated magnetite grains. Epidote (in part pseudomorphic) forms abundant replacement patches in plagioclase.

altered host rock - A (17-20% of sample)		
chlorite	65-70%	
epidote	10-12	
plagioclase	10-12	
magnetite	2- 3	(altered to hematite)
vein (55-60% of sample)		
calcite	40-45	
plagioclase	30-35	
quartz	12-15	
chlorite	4- 5	
pyrite	2- 3	
epidote	2- 3	
magnetite	0.5	
strongly altered metasomatized(?) host rock - B (20-25%)		
epidote	40-45	
plagioclase	40-45	
quartz	10-12	
magnetite	2- 3	
chlorite	2- 3	
late veinlet		
calcite	0.3	

In the dark green, altered host rock (A) at one end of the section, chlorite forms flakes averaging 0.07-0.15 mm long oriented strongly parallel to foliation (parallel to vein contact). Chlorite is pleochroic from pale to light green.

Plagioclase forms disseminated anhedral to subhedral prismatic grains averaging 0.07-0.2 mm in size and a few up to 0.3 mm long. Grains are finer than in Sample BC94-05 156.64, suggesting that this sample is from the margin of the andesite.

Epidote forms disseminated, anhedral to subhedral and locally euhedral grains averaging 0.1-0.2 mm in size and a few up to 0.5 mm long. Some appear to be replacements of plagioclase.

Hematite (probably in large part after magnetite) forms clusters of equant to locally platy grains averaging 0.15-0.2 mm long.

(continued)

The main vein is dominated by coarse to very coarse grained calcite with less abundant grains averaging 0.3-1 mm in size. Quartz forms anhedral grains averaging 0.3-0.8 mm in size and a few up to 2 mm across. Plagioclase is concentrated strongly in several patches as anhedral grains averaging 0.5-1 mm in size. Some contain minor disseminated patches of extremely fine grained epidote and calcite and others contain abundant patches of extremely fine to very fine grained epidote.

Pyrite forms a few grains up to 3 mm across and a lens of much finer grains extending irregularly away from one of the coarser grains. Coarse grains are fractured slightly to moderately, and the veinlet is brecciated moderately to strongly.

Magnetite forms a few euhedral cubic grains averaging 0.4-0.6 mm across; alteration ranges from nil to moderate to hematite.

Along the margin of the vein against Zone A is a zone containing abundant patches of very fine grained chlorite flakes. Chlorite forms scattered patches of similar flakes elsewhere in the vein.

At the other end of the sample are diffuse fragments up to 2 cm in size of plagioclase grains averaging 0.8-2 mm in size, which are altered slightly to very strongly to pseudomorphs of epidote with less abundant patches of very fine to fine grained calcite and of very fine grained chlorite. These patches grade texturally into plagioclase in the vein, suggesting that the metasomatism of the rock and formation of the vein probably are related genetically. Quartz forms a patch 2 mm across of medium grains. Chlorite forms interstitial patches up to 0.3 mm in size of flakes averaging 0.15-0.2 mm in size. Magnetite forms euhedral grains averaging 0.2-0.5 mm in size; alteration is slight to moderate to hematite.

A late veinlet cutting the quartz-rich part of the main vein is of extremely fine to very fine grained calcite.

Sample BC94-05 270.48 m **Metamorphosed, Altered Dacite Tuff; Quartz-Muscovite-(Plagioclase-Chlorite) Schist; Calcite Veinlets**

Minor plagioclase phenocrysts and very minor quartz phenocrysts (?) are set in a well foliated groundmass dominated by quartz and muscovite, with less abundant plagioclase and chlorite. Muscovite and chlorite are concentrated moderately to strongly in seams parallel to foliation. Plagioclase is concentrated moderately in plagioclase-rich patches; these may represent the least altered part of the rock. A few wide muscovite-chlorite-rich layers were loci of later shearing which produced a series of tight kink folds along the layer. Minor veinlets are of calcite.

phenocrysts			
plagioclase	1%		
quartz	0.2		
groundmass			
quartz	63-67	Ti-oxide	0.4%
muscovite	17-20	epidote	minor
plagioclase	8-10	apatite	trace
chlorite	4- 5	calcite	trace
veinlets			
calcite	0.2		

Plagioclase forms a few subhedral phenocrysts averaging 0.4-0.8 mm in length and a few up to 1.2 mm long. The largest is recrystallized strongly to extremely fine to very fine grained quartz-plagioclase. Some others are recrystallized slightly to finer grained quartz and plagioclase. Some contain patches of abundant dusty, semi-opaque inclusions.

Quartz forms a few grains up to 0.6 mm across which may represent original phenocrysts.

In the groundmass, quartz forms equant grains averaging 0.07-0.2 mm in size. Intergrown with quartz are minor disseminated flakes of muscovite and chlorite averaging 0.03-0.07 mm in length. Some patches in the groundmass consist of intergrowths of plagioclase and quartz with less abundant muscovite and chlorite.

Plagioclase is concentrated in lenses and patches, generally elongate parallel to foliation, and up to 2 mm in size. It forms slightly to moderately interlocking grains averaging 0.01-0.03 mm in size.

Muscovite and much less abundant chlorite are concentrated in seams and lenses up to 1.5 mm wide parallel to foliation. A few porphyroblasts(?) up to 0.3 mm in size are of muscovite and chlorite intergrown along cleavage planes. Many of these are oriented at a moderate to high angle to foliation, and their long direction commonly is perpendicular to cleavage. Chlorite is pleochroic from pale to light green.

Ti-oxide forms an elongate lens 0.5 mm long and equant, anhedral grains averaging 0.03-0.1 mm in size. Epidote forms euhedral grains up to 0.15 mm in size in muscovite-rich layers. Apatite forms elongate grains up to 0.25 mm long in muscovite-rich layers. Calcite forms grains and clusters of a few grains averaging 0.02-0.05 mm in size.

A few discontinuous veinlets averaging 0.03-0.07 mm wide of very fine grained calcite cut irregularly across the rock, mainly at a high angle to foliation.

Sample BC94-05 331.70 m **Metamorphosed Porphyritic Dacite; Lenses and Patches of Plagioclase-Quartz; Calcite Veinlets**

Phenocrysts of plagioclase and less abundant quartz are set in a well foliated groundmass dominated by plagioclase with much less quartz and chlorite and minor opaque-Ti-oxide. Locally foliation is warped around plagioclase phenocrysts. The bluish color of the sample may be due to the finely disseminated opaque (ilmenite). Recrystallized lenses and patches are of plagioclase-quartz. A few veinlets are of calcite.

phenocrysts	
plagioclase	7- 8%
quartz	1- 2
groundmass	
plagioclase	60-65
quartz	20-25
chlorite	0.7
opaque/Ti-oxide	0.5
coarser lenses	
quartz-plagioclase	4- 5
tremolite?-limonite-kaolinite-epidote	0.5
veinlets	
calcite	2- 3

Plagioclase forms phenocrysts averaging 0.1-0.7 mm in size and a few up to 1 mm across. Some contain moderately abundant dusty opaque inclusions in broad cores, but generally absent from thin rims. Adjacent to one is a patch 2 mm across of very fine grained, moderately to very strongly interlocking quartz and plagioclase grains with minor chlorite flakes. A few other patches have a similar interlocked texture. A few plagioclase phenocrysts are rimmed by unoriented, very fine grained quartz and minor plagioclase. A few lenses parallel to foliation averaging 1 mm long are of similar unoriented quartz-plagioclase aggregates.

Quartz forms equant phenocrysts averaging 0.4-0.8 mm in size. Most are strained slightly to moderately and some are recrystallized in patches along one side to very fine sub-grain aggregates. A few are elongated parallel to foliation.

The groundmass is dominated by plagioclase grains averaging 0.02-0.05 mm in size and less abundant averaging 0.03-0.08 mm in size. Grains show a moderately preferred orientation parallel to foliation.

Chlorite forms disseminated slender flakes averaging 0.05-0.1 mm long, and a few up to 0.5 mm long, mainly elongated parallel to the foliation. Pleochroism is from pale yellowish green to light/medium green.

Opaque (ilmenite?) forms lenses averaging 0.02-0.05 mm long and a few up to 0.12 mm long oriented parallel to the foliation. Opaque (pyrite?) forms a few anhedral grains from 0.1-0.3 mm in size. Ti-oxide forms lenses and patches averaging 0.01-0.02 mm in size, in part associated with ilmenite(?) and possibly formed by replacement of ilmenite(?).

(continued)

Sample BC94-05 331.70 m (page 2)

Apatite forms anhedral grains averaging 0.03-0.05 mm in size, in part elongated parallel to foliation.

One patch 1 mm long oriented perpendicular to the foliation contain a few patches of subradiating to massive epidote averaging 0.1-0.15 mm in size. Epidote is surrounded by extremely fine grained opaque and cryptocrystalline kaolinite(?). Another patch contains sub-radiating grains up to 0.4 mm long of an unknown mineral (possibly tremolite altered to epidote, chlorite, and kaolinite) and abundant cryptocrystalline opaque and brown semi-opaque. A few smaller, poorly preserved patches up to 0.5 mm in size are of brown limonite and minor cryptocrystalline kaolinite.

Veinlets averaging 0.05-0.3 mm wide of very fine grained calcite occur along planar fractures.

APPENDIX C

WHOLE ROCK ANALYSES

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A9429846

Comments: ATTN: M.JONES

CERTIFICATE A9429846

(GP) - WESTMIN RESOURCES LTD.

Project: BELL CREEK
P.O. # : 6107

Samples submitted to our lab in Vancouver, BC.
This report was printed on 18-NOV-94.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
208	30	Assay ring to approx 150 mesh
226	30	0-5 lb crush and split

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
902	30	Al2O3 %: XRF	XRF	0.01	100.00
906	30	CaO %: XRF	XRF	0.01	100.00
2590	30	Cr2O3 %: XRF	XRF	0.01	100.00
903	30	Fe2O3 %: XRF	XRF	0.01	100.00
908	30	K2O %: XRF	XRF	0.01	100.00
905	30	MgO %: XRF	XRF	0.01	100.00
1989	30	MnO %: XRF	XRF	0.01	100.00
907	30	Na2O %: XRF	XRF	0.01	100.00
909	30	P2O5 %: XRF	XRF	0.01	100.00
901	30	SiO2 %: XRF	XRF	0.01	100.00
904	30	TiO2 %: XRF	XRF	0.01	100.00
910	30	LOI %: XRF	XRF	0.01	100.00
2540	30	Total %	CALCULATION	0.01	105.00
2891	30	Ba ppm: XRF	XRF	2	10000
2067	30	Rb ppm: XRF	XRF	2	10000
2898	30	Sr ppm: XRF	XRF	2	10000
2973	30	Nb ppm: XRF	XRF	2	10000
2978	30	Zr ppm: XRF	XRF	3	10000
2974	30	Y ppm: XRF	XRF	2	10000

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: WESTMIN RESOURCES LTD.

P.O. Box 49066, The Bentall Centre
VANCOUVER, BC
V7X 1C4

Project : BELL CREEK
Comments: ATTN: M.JONES

Page Number : 1
Total Pages : 1
Certificate Date: 18-NOV-94
Invoice No. : I9429846
P.O. Number : 6107
Account : GP

CERTIFICATE OF ANALYSIS A9429846

SAMPLE	PREP CODE		Al2O3 % XRF	CaO % XRF	Cr2O3 % XRF	Fe2O3 % XRF	K2O % XRF	MgO % XRF	MnO % XRF	Na2O % XRF	P2O5 % XRF	SiO2 % XRF	TiO2 % XRF	LOI % XRF	TOTAL %	Ba ppm	Rb ppm	Sr ppm	Nb ppm	Zr ppm	Y ppm
443207	208	226	11.77	0.05	0.04	2.14	3.07	0.47	< 0.01	0.44	0.03	80.06	0.19	2.46	100.72	1200	48	18	11	163	23
443208	208	226	8.58	0.03	0.01	3.00	2.12	0.55	< 0.01	0.49	0.01	81.67	0.13	2.65	99.24	1980	31	23	3	110	23
443209	208	226	7.69	1.32	0.01	2.81	1.44	1.65	0.01	0.39	0.01	80.14	0.13	3.57	99.17	>10000	23	57	4	69	33
443210	208	226	10.36	0.17	< 0.01	1.40	0.07	0.38	< 0.01	6.18	0.01	80.38	0.08	0.72	99.75	114	4	14	7	181	39
443211	208	226	16.00	4.22	0.01	3.77	1.16	1.34	0.07	4.31	0.11	65.87	0.49	1.57	98.92	382	19	123	3	105	32
443212	208	226	12.98	11.01	0.02	3.17	1.07	1.91	0.21	2.35	0.09	58.93	0.40	7.75	99.89	439	19	178	6	85	26
443213	208	226	3.72	35.24	0.03	2.98	0.25	1.16	0.52	0.59	0.08	40.93	0.16	14.64	100.30	181	8	68	4	36	14
443214	208	226	17.59	0.74	0.06	10.18	0.11	16.44	0.19	1.11	0.16	44.54	1.39	8.46	100.97	168	3	11	3	99	15
443215	208	226	12.66	0.25	0.01	3.07	2.57	4.39	0.02	0.43	0.04	72.36	0.23	3.40	99.43	570	30	18	7	225	47
443216	208	226	10.20	2.80	0.01	4.42	0.39	2.07	0.06	2.66	0.10	72.93	0.35	3.10	99.09	251	8	127	6	69	26
443217	208	226	16.50	5.79	0.03	4.27	1.43	1.59	0.09	2.32	0.11	65.70	0.47	1.40	99.70	516	21	152	5	102	35
443218	208	226	21.78	1.64	0.03	14.26	2.16	8.44	0.16	0.89	0.09	43.20	1.23	6.75	100.63	1550	49	50	2	71	21
443219	208	226	12.53	0.93	0.02	8.45	0.17	8.82	0.09	2.18	0.12	60.22	0.87	5.86	100.26	109	7	13	3	69	15
443220	208	226	15.31	2.08	0.01	7.96	0.14	9.53	0.13	0.19	0.09	44.06	0.69	20.27	100.46	125	5	10	5	62	12
443221	208	226	12.05	0.10	< 0.01	2.69	2.00	4.72	0.01	0.43	0.04	74.98	0.23	3.30	100.55	447	20	12	7	204	39
443222	208	226	17.81	0.29	0.01	8.40	1.86	11.18	0.06	0.33	0.14	52.58	0.89	6.15	99.70	813	25	11	4	93	14
443223	208	226	14.15	0.21	0.01	8.33	1.33	8.84	0.07	0.32	0.14	60.26	0.65	5.08	99.39	417	16	9	4	116	26
443224	208	226	17.91	0.23	0.01	11.79	1.18	8.69	0.24	2.16	0.08	51.19	0.94	5.48	99.90	225	21	9	2	92	14
443225	208	226	17.88	0.51	0.01	11.11	0.62	8.78	0.11	1.89	0.15	52.98	1.04	5.84	100.92	178	12	30	4	80	13
443226	208	226	12.86	0.24	0.01	3.65	0.96	3.81	0.03	2.83	0.04	73.00	0.25	2.73	100.41	135	13	23	10	192	44
443227	208	226	11.50	0.22	0.02	2.79	0.60	3.81	0.13	3.78	0.05	73.13	0.17	2.23	98.43	186	10	14	9	171	34
443228	208	226	11.99	0.43	0.03	2.98	0.93	2.85	0.08	3.00	0.05	74.42	0.19	2.45	99.40	284	18	45	10	175	31
443229	208	226	10.91	0.28	0.04	2.21	2.45	2.82	0.08	0.32	0.03	78.57	0.16	2.62	100.49	445	50	12	10	156	26
443230	208	226	12.38	0.13	0.03	1.85	3.12	2.79	0.11	0.50	0.03	75.11	0.18	2.72	98.95	869	49	13	11	174	28
443231	208	226	9.02	0.02	0.04	2.70	2.73	0.41	< 0.01	0.33	0.01	80.99	0.13	2.36	98.74	1020	39	11	9	129	28
443232	208	226	14.78	0.92	0.05	4.30	0.61	3.04	0.07	6.16	0.13	68.47	0.53	1.72	100.78	195	11	48	5	129	22
443233	208	226	12.27	0.22	0.02	3.12	2.58	3.27	0.04	0.43	0.03	74.39	0.22	3.18	99.77	2010	37	31	4	146	60
443234	208	226	10.19	0.04	0.04	10.18	2.26	1.54	0.01	0.46	0.02	69.37	0.18	6.19	100.48	851	35	13	6	130	35
443235	208	226	12.59	0.15	0.01	2.78	2.47	3.86	0.01	0.78	0.05	73.34	0.27	2.86	99.17	617	31	19	8	164	27
443236	208	226	11.25	0.08	0.02	2.95	2.04	4.18	0.01	0.44	0.04	74.70	0.21	2.85	98.77	434	21	9	6	203	38

CERTIFICATION: ________

Chemex Labs Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
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PHONE: 604-984-0221

To: WESTMIN RESOURCES LTD.

P.O. Box 49066, The Bentall Centre
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V7X 1C4

A9430835

Comments: ATTN: M. JONES

CERTIFICATE A9430835

(GP) - WESTMIN RESOURCES LTD.

Project: BELL CREEK
P.O. # : 6107

Samples submitted to our lab in Vancouver, BC.
This report was printed on 5-DEC-94.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
208	73	Assay ring to approx 150 mesh
226	73	0-5 lb crush and split

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
902	73	Al2O3 %: XRF	XRF	0.01	100.00
906	73	CaO %: XRF	XRF	0.01	100.00
2590	73	Cr2O3 %: XRF	XRF	0.01	100.00
903	73	Fe2O3 %: XRF	XRF	0.01	100.00
908	73	K2O %: XRF	XRF	0.01	100.00
905	73	MgO %: XRF	XRF	0.01	100.00
1989	73	MnO %: XRF	XRF	0.01	100.00
907	73	Na2O %: XRF	XRF	0.01	100.00
909	73	P2O5 %: XRF	XRF	0.01	100.00
901	73	SiO2 %: XRF	XRF	0.01	100.00
904	73	TiO2 %: XRF	XRF	0.01	100.00
910	73	LOI %: XRF	XRF	0.01	100.00
2540	73	Total %	CALCULATION	0.01	105.00
2891	73	Ba ppm: XRF	XRF	2	10000
2067	73	Rb ppm: XRF	XRF	2	10000
2898	73	Sr ppm: XRF	XRF	2	10000
2973	73	Nb ppm: XRF	XRF	2	10000
2978	73	Zr ppm: XRF	XRF	3	10000
2974	73	Y ppm: XRF	XRF	2	10000

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CERTIFICATE OF ANALYSIS A9430835

SAMPLE	PREP CODE		Al_2O_3 % XRF	CaO % XRF	Cr_2O_3 % XRF	Fe_2O_3 % XRF	K_2O % XRF	MgO % XRF	MnO % XRF	Na_2O % XRF	P_2O_5 % XRF	SiO_2 % XRF	TiO_2 % XRF	LOI % XRF	TOTAL %	Ba ppm	Rb ppm	Sr ppm	Nb ppm	Zr ppm	Y ppm
443237	208	226	14.51	4.72	0.01	12.25	0.11	5.48	0.19	4.19	0.25	50.55	1.30	4.98	98.54	194	2	129	9	75	22
443238	208	226	17.01	1.06	< 0.01	11.63	0.16	8.87	0.09	3.27	0.33	50.48	1.48	5.26	99.64	177	7	24	8	89	25
443239	208	226	13.00	0.10	< 0.01	3.52	2.57	4.06	0.05	0.43	0.04	71.89	0.31	3.16	99.13	567	33	16	4	199	27
443240	208	226	18.09	0.28	< 0.01	10.92	0.09	9.32	0.13	4.02	0.11	51.51	0.96	4.82	100.25	119	8	8	4	88	12
443241	208	226	12.55	0.60	< 0.01	2.11	1.01	3.20	0.02	3.31	0.04	73.84	0.26	2.47	99.41	214	15	20	5	200	24
443242	208	226	11.86	0.43	0.01	3.07	0.23	6.85	0.21	3.02	0.11	69.73	0.25	3.37	99.14	106	7	10	10	163	36
443243	208	226	12.19	0.23	0.01	2.01	2.07	2.73	0.04	2.22	0.02	74.53	0.18	2.13	98.36	324	36	11	11	179	32
443244	208	226	15.62	0.12	< 0.01	1.65	3.91	2.66	0.06	0.46	0.05	71.25	0.24	3.05	99.07	1580	58	19	14	220	49
443245	208	226	12.03	0.07	0.01	2.59	2.21	4.82	0.06	0.37	0.03	74.43	0.21	3.19	100.02	632	32	13	6	147	48
443246	208	226	15.49	1.55	0.01	3.64	2.40	3.58	0.04	0.67	0.02	67.87	0.28	3.64	99.19	5650	32	117	7	175	45
443247	208	226	9.79	0.83	< 0.01	1.94	0.13	0.30	< 0.01	5.65	0.02	78.77	0.09	0.80	98.32	74	7	17	6	220	70
443248	208	226	9.90	0.58	0.01	2.33	0.92	4.14	0.08	1.92	0.01	75.71	0.13	2.30	98.03	546	12	37	6	195	78
443249	208	226	13.42	2.00	0.01	2.63	2.16	3.15	0.09	2.65	0.01	69.42	0.15	2.59	98.28	297	22	105	9	264	115
443250	208	226	15.10	3.14	< 0.01	12.70	0.09	5.30	0.16	4.79	0.28	52.78	1.36	4.31	100.01	145	6	74	10	74	21
458851	208	226	13.29	2.60	0.01	12.12	1.82	5.71	0.20	1.60	0.13	56.50	0.86	4.85	99.69	494	34	33	3	47	21
458852	208	226	14.71	4.58	< 0.01	13.64	0.90	5.19	0.20	3.60	0.14	53.25	0.96	3.12	100.29	315	21	108	4	50	21
458853	208	226	10.16	11.59	< 0.01	8.08	0.72	2.10	0.17	1.18	0.10	59.05	0.57	5.00	98.72	267	14	399	5	55	18
458854	208	226	16.02	4.49	< 0.01	13.48	1.22	4.83	0.23	4.45	0.13	51.19	0.94	1.98	98.96	587	21	123	4	54	23
458855	208	226	15.73	5.86	< 0.01	10.21	0.50	3.85	0.17	5.60	0.12	55.36	0.65	1.30	99.35	295	10	127	6	58	20
458856	208	226	17.32	4.33	< 0.01	8.40	0.78	4.05	0.26	5.40	0.10	55.30	0.59	2.88	99.41	630	14	127	4	67	19
458857	208	226	17.63	3.90	< 0.01	10.98	2.47	7.51	0.34	2.06	0.06	48.92	0.73	4.77	99.37	1020	39	52	4	41	22
458858	208	226	13.23	4.62	< 0.01	6.05	0.35	3.09	0.13	3.73	0.04	63.09	0.49	3.22	98.04	145	7	85	5	70	16
458859	208	226	12.03	7.22	< 0.01	4.42	0.74	2.45	0.13	2.91	0.07	64.91	0.35	4.63	99.86	226	17	53	6	74	26
458860	208	226	14.92	2.42	0.03	9.07	0.13	13.40	0.15	1.49	0.15	49.10	1.14	7.78	99.78	127	7	14	4	74	14
458861	208	226	9.70	1.81	< 0.01	3.54	2.26	2.89	0.01	0.26	0.02	75.17	0.15	3.59	99.40	779	33	18	4	147	42
458862	208	226	16.58	0.42	0.01	9.39	1.03	13.35	0.10	0.27	0.12	51.64	1.07	6.62	100.60	580	15	13	3	60	15
458863	208	226	16.99	0.22	0.02	9.10	0.10	12.41	0.12	2.87	0.07	49.91	1.10	5.99	98.90	117	2	11	2	51	11
458864	208	226	16.99	0.34	0.01	8.81	0.63	11.44	0.11	2.35	0.07	51.25	1.08	5.94	99.02	337	10	14	2	51	9
458865	208	226	19.20	0.17	0.02	7.58	1.89	14.04	0.08	0.26	0.11	49.38	0.93	6.90	100.56	715	27	12	5	97	16
458866	208	226	14.78	5.34	< 0.01	13.12	0.72	5.11	0.20	3.61	0.12	53.24	0.93	1.95	99.12	385	13	111	5	50	21
458867	208	226	14.91	4.89	< 0.01	10.70	1.00	4.07	0.20	4.19	0.46	56.95	0.82	2.16	100.35	639	21	103	3	60	36
458868	208	226	16.60	5.33	< 0.01	13.58	1.94	5.44	0.28	3.88	0.12	50.40	0.98	1.66	100.21	1020	40	252	3	46	18
458869	208	226	11.37	4.01	< 0.01	9.37	1.68	4.71	0.31	1.03	0.08	63.01	0.62	2.84	99.03	1200	30	211	< 2	45	17
458870	208	226	16.69	6.51	< 0.01	7.78	1.33	3.79	0.16	2.90	0.10	56.77	0.69	2.39	99.11	738	22	357	5	78	25
458871	208	226	4.25	2.73	0.01	4.29	0.96	1.47	0.25	0.11	0.04	83.69	0.19	1.51	99.50	1280	24	87	8	63	21
458872	208	226	16.25	5.32	0.01	7.39	1.23	3.66	0.23	3.36	0.12	58.25	0.70	3.08	99.60	825	25	90	5	74	24
560514	208	226	16.09	0.29	0.03	7.73	0.07	10.82	0.14	3.54	0.08	55.44	0.61	5.10	99.94	80	< 2	5	5	71	13
560515	208	226	12.15	0.08	< 0.01	2.51	2.40	4.26	0.03	0.59	0.04	74.87	0.18	2.84	99.95	372	43	20	10	173	35
560516	208	226	13.80	0.43	0.02	5.07	1.29	6.48	0.12	2.25	0.06	65.51	0.43	3.98	99.44	352	26	15	7	141	27
560517	208	226	12.70	0.16	0.01	2.08	2.25	2.95	0.09	1.48	0.04	74.99	0.21	2.56	99.52	383	39	16	12	189	24

CERTIFICATION: [signature]

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
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SAMPLE	PREP CODE		Al2O3 % XRF	CaO % XRF	Cr2O3 % XRF	Fe2O3 % XRF	K2O % XRF	MgO % XRF	MnO % XRF	Na2O % XRF	P2O5 % XRF	SiO2 % XRF	TiO2 % XRF	LOI % XRF	TOTAL %	Ba ppm	Rb ppm	Sr ppm	Nb ppm	Zr ppm	Y ppm
560518	208	226	14.06	1.38	0.02	2.67	1.39	4.67	0.05	1.05	0.03	69.04	0.23	4.63	99.22	410	29	73	8	174	43
560519	208	226	12.55	2.25	0.01	2.59	0.82	3.99	0.03	1.24	0.03	71.74	0.21	3.27	98.73	288	14	129	7	163	46
560520	208	226	17.37	4.54	0.07	8.99	0.07	12.65	0.38	0.37	0.07	47.93	0.65	7.06	100.15	79	3	200	6	63	52
560521	208	226	14.27	0.76	0.01	2.54	2.64	2.49	0.07	2.98	0.01	70.55	0.12	2.29	98.73	575	30	50	9	310	74
560522	208	226	9.97	1.35	0.01	2.08	0.73	1.24	0.08	3.79	0.01	78.70	0.10	0.96	99.02	137	15	135	10	223	45
560523	208	226	11.36	0.31	< 0.01	1.99	2.68	1.65	0.05	2.53	< 0.01	76.48	0.11	1.48	98.64	467	33	24	10	256	44
560524	208	226	13.03	1.17	< 0.01	2.67	2.64	2.18	0.08	3.24	0.01	71.23	0.15	1.84	98.24	318	26	87	7	278	99
560525	208	226	12.46	0.68	0.01	2.96	2.94	2.59	0.05	2.03	0.02	71.80	0.19	2.58	98.31	379	28	77	5	231	80
560526	208	226	11.11	0.47	0.01	1.80	1.36	1.65	0.04	3.75	0.01	75.91	0.10	1.55	97.76	219	18	41	9	235	59
560527	208	226	6.54	0.73	0.01	4.05	1.13	1.57	0.18	1.29	0.18	81.55	0.29	1.32	98.84	1200	18	38	6	74	20
560528	208	226	13.80	0.62	0.01	3.18	4.26	2.36	0.25	1.60	0.02	70.57	0.28	2.23	99.18	1690	47	57	8	211	44
560529	208	226	13.40	1.09	0.01	3.06	1.62	2.22	0.24	3.82	0.05	71.18	0.35	1.91	98.95	696	23	67	4	111	41
560530	208	226	13.35	2.78	0.01	6.61	1.79	3.97	0.24	1.47	0.04	63.76	0.52	3.11	97.65	473	30	153	4	59	23
560531	208	226	14.71	2.79	0.01	13.04	0.09	6.52	0.18	3.10	0.28	51.69	1.37	4.75	98.53	123	< 2	62	9	79	24
560532	208	226	16.38	0.14	0.01	10.98	1.01	10.79	0.08	0.37	0.09	52.80	0.95	6.07	99.67	374	16	7	4	79	15
560533	208	226	13.07	0.06	0.01	5.46	2.94	2.64	0.02	0.40	0.03	70.11	0.31	3.94	98.99	680	41	9	5	192	23
560534	208	226	12.51	0.05	0.01	3.48	2.44	3.58	0.03	0.36	0.04	72.99	0.21	3.12	98.82	549	36	10	11	175	31
560535	208	226	12.19	0.05	< 0.01	3.21	1.95	4.79	0.06	0.37	0.03	73.45	0.18	3.18	99.46	407	23	6	9	175	35
560536	208	226	11.76	0.04	< 0.01	2.63	2.37	2.91	0.06	0.51	0.03	75.86	0.18	2.62	98.97	446	31	19	10	172	30
560537	208	226	15.51	0.06	< 0.01	3.59	2.95	4.43	0.11	0.63	0.04	67.08	0.38	3.77	98.55	446	38	14	6	258	39
560538	208	226	13.08	0.18	0.01	3.36	1.76	4.07	0.08	1.78	0.07	71.91	0.24	3.19	99.73	259	27	7	7	183	59
560539	208	226	12.34	0.20	0.01	3.08	2.57	3.32	0.05	1.27	0.04	72.97	0.16	2.70	98.71	302	42	11	8	198	21
560540	208	226	14.48	4.97	0.01	5.93	0.23	2.28	0.12	4.34	0.14	63.71	0.52	1.94	98.67	143	6	111	6	56	14
560541	208	226	15.95	7.27	0.01	5.62	0.27	2.29	0.12	3.58	0.12	60.96	0.51	1.88	98.58	120	3	210	3	60	22
560542	208	226	14.34	5.85	0.01	6.32	0.86	2.69	0.15	1.91	0.13	65.11	0.54	2.53	100.44	370	18	85	4	73	23
560543	208	226	17.89	6.55	0.01	9.29	0.15	3.25	0.16	3.93	0.27	55.51	0.77	2.61	100.39	123	3	107	6	57	26
560544	208	226	14.75	3.97	0.01	5.79	0.27	2.89	0.12	4.35	0.12	65.13	0.48	2.01	99.89	171	5	85	4	61	16
560545	208	226	17.07	5.95	< 0.01	5.41	1.31	2.32	0.11	3.57	0.13	62.05	0.51	1.91	100.34	280	19	122	5	62	26
560546	208	226	15.63	5.55	0.01	5.23	0.94	2.24	0.11	3.76	0.12	63.43	0.46	1.93	99.41	701	17	110	3	55	22
560547	208	226	11.46	4.80	0.01	2.14	1.69	0.72	0.04	0.96	0.10	76.55	0.40	1.64	100.51	817	27	67	4	76	34
560548	208	226	13.70	4.11	< 0.01	7.66	1.12	3.59	0.14	3.52	0.08	62.93	0.52	2.23	99.60	542	24	122	6	61	17
560549	208	226	17.01	5.20	0.01	7.31	1.71	3.51	0.14	2.84	0.15	59.56	0.65	2.19	99.98	1280	25	114	3	54	19
560550	208	226	14.04	3.78	0.01	5.39	0.90	2.42	0.12	4.19	0.08	66.41	0.50	2.06	99.90	500	16	141	5	60	23

CERTIFICATION: [signature]

Chemex Labs Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
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PHONE: 604-984-0221

WESTMIN RESOURCES LTD.

P.O. Box 49066, The Bentall Centre
VANCOUVER, BC
V7X 1C4

A9431167

Comments: ATTN: M. JONES

CERTIFICATE A9431167

(GP) - WESTMIN RESOURCES LTD.

Project: BELL CREEK
P.O. # : 6107

Samples submitted to our lab in Vancouver, BC.
This report was printed on 8-DEC-94.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
208	29	Assay ring to approx 150 mesh
226	29	0-5 lb crush and split

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
902	29	Al2O3 %: XRF	XRF	0.01	100.00
906	29	CaO %: XRF	XRF	0.01	100.00
2590	29	Cr2O3 %: XRF	XRF	0.01	100.00
903	29	Fe2O3 %: XRF	XRF	0.01	100.00
908	29	K2O %: XRF	XRF	0.01	100.00
905	29	MgO %: XRF	XRF	0.01	100.00
1989	29	MnO %: XRF	XRF	0.01	100.00
907	29	Na2O %: XRF	XRF	0.01	100.00
909	29	P2O5 %: XRF	XRF	0.01	100.00
901	29	SiO2 %: XRF	XRF	0.01	100.00
904	29	TiO2 %: XRF	XRF	0.01	100.00
910	29	LOI %: XRF	XRF	0.01	100.00
2540	29	Total %	CALCULATION	0.01	105.00
2891	29	Ba ppm: XRF	XRF	2	10000
2067	29	Rb ppm: XRF	XRF	2	10000
2898	29	Sr ppm: XRF	XRF	2	10000
2973	29	Nb ppm: XRF	XRF	2	10000
2978	29	Zr ppm: XRF	XRF	3	10000
2974	29	Y ppm: XRF	XRF	2	10000

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WESTMIN RESOURCES LTD.
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V7X 1C4

Project : BELL CREEK
Comments: ATTN: M. JONES

Certificate Date: 08-DEC-94
Invoice No. : I9431167
P.O. Number : 6107
Account : GP

CERTIFICATE OF ANALYSIS A9431167

SAMPLE	PREP CODE		Al2O3 % XRF	CaO % XRF	Cr2O3 % XRF	Fe2O3 % XRF	K2O % XRF	MgO % XRF	MnO % XRF	Na2O % XRF	P2O5 % XRF	SiO2 % XRF	TiO2 % XRF	LOI % XRF	TOTAL %	Ba ppm	Rb ppm	Sr ppm	Nb ppm	Zr ppm	Y ppm
458873	208	226	17.62	4.98	0.01	9.15	0.69	4.16	0.16	2.87	0.15	54.27	0.74	4.01	98.81	443	16	106	3	81	30
458874	208	226	12.20	16.89	0.01	6.51	0.57	3.20	0.39	1.48	0.10	43.46	0.48	12.58	97.87	394	17	89	6	52	21
458875	208	226	10.12	1.05	0.02	4.00	0.95	5.21	0.04	0.65	0.03	73.88	0.20	3.62	99.77	543	11	25	7	171	33
458876	208	226	15.90	0.98	0.02	8.08	0.09	10.02	0.11	2.44	0.07	55.34	1.02	5.58	99.65	120	4	24	4	49	12
458877	208	226	17.24	0.36	0.02	8.99	0.07	12.07	0.14	2.49	0.12	50.41	1.21	5.89	99.01	96	4	12	4	78	15
458878	208	226	9.88	0.27	0.02	2.50	1.89	3.92	0.01	0.27	0.03	78.12	0.18	2.91	100.00	397	23	8	5	174	32
458879	208	226	13.93	0.36	0.02	5.53	2.01	7.63	0.06	0.15	0.07	64.76	0.45	4.90	99.87	919	23	9	7	190	41
458880	208	226	5.15	0.20	0.03	1.82	1.36	1.29	< 0.01	0.06	< 0.01	86.14	0.10	1.68	97.83	695	18	6	5	74	14
458881	208	226	14.84	3.45	0.01	12.21	0.16	5.67	0.15	3.10	0.27	52.71	1.30	5.38	99.25	111	3	46	7	75	22
458882	208	226	18.29	0.25	0.03	7.04	2.89	6.72	0.03	0.32	0.11	59.05	0.78	4.87	100.38	974	27	20	4	195	78
458883	208	226	16.86	0.44	0.01	11.56	1.12	10.61	0.08	0.17	0.23	51.01	0.98	6.44	99.51	435	16	10	4	76	22
458884	208	226	11.15	0.04	0.01	2.59	2.15	4.05	0.01	0.39	0.02	75.37	0.20	2.89	98.87	420	24	14	6	164	35
458885	208	226	9.23	0.04	0.01	2.37	1.75	3.43	0.01	0.13	0.02	79.84	0.16	2.46	99.43	404	20	10	5	148	24
458886	208	226	11.57	0.22	0.01	3.07	2.15	4.38	0.03	0.17	0.04	74.43	0.20	3.20	99.47	487	28	16	3	172	33
458887	208	226	17.10	0.27	0.02	9.79	1.31	11.32	0.12	0.16	0.19	53.25	0.99	6.24	100.76	408	21	7	3	73	19
458888	208	226	11.45	0.31	0.01	2.12	1.24	3.28	0.02	1.70	0.03	76.57	0.20	2.53	99.46	192	18	17	6	146	36
458889	208	226	11.95	0.22	0.01	2.83	1.70	2.80	0.02	1.49	0.03	74.43	0.18	2.92	98.28	291	19	26	8	162	20
458890	208	226	12.23	0.11	0.01	2.56	1.85	3.47	0.02	1.45	0.04	74.73	0.19	2.64	99.30	299	30	33	10	177	17
458891	208	226	16.08	0.66	0.03	8.31	0.07	12.93	0.17	1.76	0.06	52.38	0.63	6.61	99.69	103	3	9	4	57	8
458892	208	226	11.75	0.38	0.01	2.96	1.63	3.49	0.09	1.42	0.04	73.98	0.22	2.86	98.83	229	26	17	10	165	29
458893	208	226	11.63	0.12	0.02	2.25	2.45	3.45	0.04	0.29	0.03	74.77	0.18	3.07	98.30	446	30	16	10	165	31
458894	208	226	10.20	0.09	0.01	1.69	3.12	2.31	0.04	0.20	0.03	69.10	0.18	2.45	89.42	847	44	12	12	176	35
458895	208	226	12.98	0.12	0.01	3.09	3.06	3.23	0.06	0.33	0.04	74.21	0.21	2.45	99.79	1180	44	13	10	184	47
458896	208	226	6.84	0.60	0.03	4.51	1.92	0.65	0.01	0.17	0.03	80.34	0.11	3.63	98.84	1060	25	17	8	103	20
458897	208	226	11.08	1.06	0.01	2.50	2.06	2.80	0.03	0.27	0.06	75.79	0.20	3.46	99.32	1180	32	44	3	144	51
458898	208	226	12.06	1.40	0.01	2.28	0.79	2.71	0.03	1.08	0.03	75.63	0.21	3.13	99.36	479	11	100	6	155	33
458899	208	226	9.18	0.12	0.01	2.01	0.07	0.58	< 0.01	5.57	0.02	80.27	0.08	0.36	98.27	64	3	11	7	213	52
458900	208	226	13.57	1.31	0.01	2.03	1.71	3.14	0.06	2.85	0.01	72.15	0.12	2.31	99.27	270	19	84	9	297	57
458901	208	226	12.66	2.08	0.01	2.45	1.00	4.36	0.10	0.87	0.01	73.35	0.12	3.08	100.09	505	14	149	7	267	105

CERTIFICATION:

APPENDIX D

GEOCHEMICAL RESULTS, CORE SAMPLES

Chemex Labs Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: WESTMIN RESOURCES LTD.

P.O. Box 49066, The Bentall Centre
VANCOUVER, BC
V7X 1C4

A9429845

Comments: ATTN: M.JONES

CERTIFICATE A9429845

(GP) - WESTMIN RESOURCES LTD.

Project: BELL CREEK
P.O. # : 6107

Samples submitted to our lab in Vancouver, BC.
This report was printed on 7-NOV-94.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	47	Geochem ring to approx 150 mesh
294	47	Crush and split (6-10 pounds)
285	47	ICP - HF digestion charge

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	47	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
578	47	Ag ppm: 24 element, rock & core	AAS	0.2	200
573	47	Al %: 24 element, rock & core	ICP-AES	0.01	25.0
565	47	Ba ppm: 24 element, rock & core	ICP-AES	10	10000
575	47	Be ppm: 24 element, rock & core	ICP-AES	0.5	1000
561	47	Bi ppm: 24 element, rock & core	ICP-AES	2	10000
576	47	Ca %: 24 element, rock & core	ICP-AES	0.01	25.0
562	47	Cd ppm: 24 element, rock & core	ICP-AES	0.5	500
563	47	Co ppm: 24 element, rock & core	ICP-AES	1	10000
569	47	Cr ppm: 24 element, rock & core	ICP-AES	1	10000
577	47	Cu ppm: 24 element, rock & core	ICP-AES	1	10000
566	47	Fe %: 24 element, rock & core	ICP-AES	0.01	25.0
584	47	K %: 24 element, rock & core	ICP-AES	0.01	10.00
570	47	Mg %: 24 element, rock & core	ICP-AES	0.01	15.00
568	47	Mn ppm: 24 element, rock & core	ICP-AES	5	10000
554	47	Mo ppm: 24 element, rock & core	ICP-AES	1	10000
583	47	Na %: 24 element, rock & core	ICP-AES	0.01	10.00
564	47	Ni ppm: 24 element, rock & core	ICP-AES	1	10000
559	47	P ppm: 24 element, rock & core	ICP-AES	10	10000
560	47	Pb ppm: 24 element, rock & core	AAS	2	10000
582	47	Sr ppm: 24 element, rock & core	ICP-AES	1	10000
579	47	Ti %: 24 element, rock & core	ICP-AES	0.01	10.00
572	47	V ppm: 24 element, rock & core	ICP-AES	1	10000
556	47	W ppm: 24 element, rock & core	ICP-AES	10	10000
558	47	Zn ppm: 24 element, rock & core	ICP-AES	2	10000

Chemex Labs Ltd.
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To: WESTMIN RESOURCES LTD.

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Comments: ATTN: MURRAY JONES

CERTIFICATE A9430075

(GP) - WESTMIN RESOURCES LTD.

Project: 6107
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 10-NOV-94.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	41	Geochem ring to approx 150 mesh
294	41	Crush and split (6-10 pounds)
285	41	ICP - HF digestion charge

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	41	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
578	41	Ag ppm: 24 element, rock & core	AAS	0.2	200
573	41	Al %: 24 element, rock & core	ICP-AES	0.01	25.0
565	41	Ba ppm: 24 element, rock & core	ICP-AES	10	10000
575	41	Be ppm: 24 element, rock & core	ICP-AES	0.5	1000
561	41	Bi ppm: 24 element, rock & core	ICP-AES	2	10000
576	41	Ca %: 24 element, rock & core	ICP-AES	0.01	25.0
562	41	Cd ppm: 24 element, rock & core	ICP-AES	0.5	500
563	41	Co ppm: 24 element, rock & core	ICP-AES	1	10000
569	41	Cr ppm: 24 element, rock & core	ICP-AES	1	10000
577	41	Cu ppm: 24 element, rock & core	ICP-AES	1	10000
566	41	Fe %: 24 element, rock & core	ICP-AES	0.01	25.0
584	41	K %: 24 element, rock & core	ICP-AES	0.01	10.00
570	41	Mg %: 24 element, rock & core	ICP-AES	0.01	15.00
568	41	Mn ppm: 24 element, rock & core	ICP-AES	5	10000
554	41	Mo ppm: 24 element, rock & core	ICP-AES	1	10000
583	41	Na %: 24 element, rock & core	ICP-AES	0.01	10.00
564	41	Ni ppm: 24 element, rock & core	ICP-AES	1	10000
559	41	P ppm: 24 element, rock & core	ICP-AES	10	10000
560	41	Pb ppm: 24 element, rock & core	AAS	2	10000
582	41	Sr ppm: 24 element, rock & core	ICP-AES	1	10000
579	41	Ti %: 24 element, rock & core	ICP-AES	0.01	10.00
572	41	V ppm: 24 element, rock & core	ICP-AES	1	10000
556	41	W ppm: 24 element, rock & core	ICP-AES	10	10000
558	41	Zn ppm: 24 element, rock & core	ICP-AES	2	10000

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
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To: WESTMIN RESOURCES LTD.

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V7X 1C4

A9430503

Comments: ATTN: MURRAY JONES

CERTIFICATE A9430503

(GP) - WESTMIN RESOURCES LTD.

Project: 6107
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 17-NOV-94.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	40	Geochem ring to approx 150 mesh
294	40	Crush and split (6-10 pounds)
285	40	ICP - HF digestion charge

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	40	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
578	40	Ag ppm: 24 element, rock & core	AAS	0.2	200
573	40	Al %: 24 element, rock & core	ICP-AES	0.01	25.0
565	40	Ba ppm: 24 element, rock & core	ICP-AES	10	10000
575	40	Be ppm: 24 element, rock & core	ICP-AES	0.5	1000
561	40	Bi ppm: 24 element, rock & core	ICP-AES	2	10000
576	40	Ca %: 24 element, rock & core	ICP-AES	0.01	25.0
562	40	Cd ppm: 24 element, rock & core	ICP-AES	0.5	500
563	40	Co ppm: 24 element, rock & core	ICP-AES	1	10000
569	40	Cr ppm: 24 element, rock & core	ICP-AES	1	10000
577	40	Cu ppm: 24 element, rock & core	ICP-AES	1	10000
566	40	Fe %: 24 element, rock & core	ICP-AES	0.01	25.0
584	40	K %: 24 element, rock & core	ICP-AES	0.01	10.00
570	40	Mg %: 24 element, rock & core	ICP-AES	0.01	15.00
568	40	Mn ppm: 24 element, rock & core	ICP-AES	5	10000
554	40	Mo ppm: 24 element, rock & core	ICP-AES	1	10000
583	40	Na %: 24 element, rock & core	ICP-AES	0.01	10.00
564	40	Ni ppm: 24 element, rock & core	ICP-AES	1	10000
559	40	P ppm: 24 element, rock & core	ICP-AES	10	10000
560	40	Pb ppm: 24 element, rock & core	AAS	2	10000
582	40	Sr ppm: 24 element, rock & core	ICP-AES	1	10000
579	40	Ti %: 24 element, rock & core	ICP-AES	0.01	10.00
572	40	V ppm: 24 element, rock & core	ICP-AES	1	10000
556	40	W ppm: 24 element, rock & core	ICP-AES	10	10000
558	40	Zn ppm: 24 element, rock & core	ICP-AES	2	10000

Chemex Labs Ltd.
Analytical Chemists * Geochemists * Registered Assayers
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To: WESTMIN RESOURCES LTD.

P.O. Box 49066, The Bentall Centre
VANCOUVER, BC
V7X 1C4

A9430834

Comments: ATTN: M. JONES

CERTIFICATE A9430834

(GP) - WESTMIN RESOURCES LTD.

Project: BELL CREEK
P.O. # : 6107

Samples submitted to our lab in Vancouver, BC.
This report was printed on 24-NOV-94.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	63	Geochem ring to approx 150 mesh
294	63	Crush and split (6-10 pounds)
285	63	ICP - HF digestion charge

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	63	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
578	63	Ag ppm: 24 element, rock & core	AAS	0.2	200
573	63	Al %: 24 element, rock & core	ICP-AES	0.01	25.0
565	63	Ba ppm: 24 element, rock & core	ICP-AES	10	10000
575	63	Be ppm: 24 element, rock & core	ICP-AES	0.5	1000
561	63	Bi ppm: 24 element, rock & core	ICP-AES	2	10000
576	63	Ca %: 24 element, rock & core	ICP-AES	0.01	25.0
562	63	Cd ppm: 24 element, rock & core	ICP-AES	0.5	500
563	63	Co ppm: 24 element, rock & core	ICP-AES	1	10000
569	63	Cr ppm: 24 element, rock & core	ICP-AES	1	10000
577	63	Cu ppm: 24 element, rock & core	ICP-AES	1	10000
566	63	Fe %: 24 element, rock & core	ICP-AES	0.01	25.0
584	63	K %: 24 element, rock & core	ICP-AES	0.01	10.00
570	63	Mg %: 24 element, rock & core	ICP-AES	0.01	15.00
568	63	Mn ppm: 24 element, rock & core	ICP-AES	5	10000
554	63	Mo ppm: 24 element, rock & core	ICP-AES	1	10000
583	63	Na %: 24 element, rock & core	ICP-AES	0.01	10.00
564	63	Ni ppm: 24 element, rock & core	ICP-AES	1	10000
559	63	P ppm: 24 element, rock & core	ICP-AES	10	10000
560	63	Pb ppm: 24 element, rock & core	AAS	2	10000
582	63	Sr ppm: 24 element, rock & core	ICP-AES	1	10000
579	63	Ti %: 24 element, rock & core	ICP-AES	0.01	10.00
572	63	V ppm: 24 element, rock & core	ICP-AES	1	10000
556	63	W ppm: 24 element, rock & core	ICP-AES	10	10000
558	63	Zn ppm: 24 element, rock & core	ICP-AES	2	10000

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: WESTMIN RESOURCES LTD.

P.O. Box 49066, The Bentall Centre
VANCOUVER, BC
V7X 1C4

A9432432

Comments: ATTN: M. JONES

CERTIFICATE A9432432

(GP) - WESTMIN RESOURCES LTD.

Project: BELL CREEK
P.O. # : 6107

Samples submitted to our lab in Vancouver, BC.
This report was printed on 14-DEC-94.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
244	76	Pulp; prev. prepared at Chemex
285	76	ICP - HF digestion charge

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
578	76	Ag ppm: 24 element, rock & core	AAS	0.2	200
573	76	Al %: 24 element, rock & core	ICP-AES	0.01	25.0
565	76	Ba ppm: 24 element, rock & core	ICP-AES	10	10000
575	76	Be ppm: 24 element, rock & core	ICP-AES	0.5	1000
561	76	Bi ppm: 24 element, rock & core	ICP-AES	2	10000
576	76	Ca %: 24 element, rock & core	ICP-AES	0.01	25.0
562	76	Cd ppm: 24 element, rock & core	ICP-AES	0.5	500
563	76	Co ppm: 24 element, rock & core	ICP-AES	1	10000
569	76	Cr ppm: 24 element, rock & core	ICP-AES	1	10000
577	76	Cu ppm: 24 element, rock & core	ICP-AES	1	10000
566	76	Fe %: 24 element, rock & core	ICP-AES	0.01	25.0
584	76	K %: 24 element, rock & core	ICP-AES	0.01	10.00
570	76	Mg %: 24 element, rock & core	ICP-AES	0.01	15.00
568	76	Mn ppm: 24 element, rock & core	ICP-AES	5	10000
554	76	Mo ppm: 24 element, rock & core	ICP-AES	1	10000
583	76	Na %: 24 element, rock & core	ICP-AES	0.01	10.00
564	76	Ni ppm: 24 element, rock & core	ICP-AES	1	10000
559	76	P ppm: 24 element, rock & core	ICP-AES	10	10000
560	76	Pb ppm: 24 element, rock & core	AAS	2	10000
582	76	Sr ppm: 24 element, rock & core	ICP-AES	1	10000
579	76	Ti %: 24 element, rock & core	ICP-AES	0.01	10.00
572	76	V ppm: 24 element, rock & core	ICP-AES	1	10000
556	76	W ppm: 24 element, rock & core	ICP-AES	10	10000
558	76	Zn ppm: 24 element, rock & core	ICP-AES	2	10000
2043	76	internal standard counts	ICP-AES	1	10000

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WESTMIN RESOURCES LTD.

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V7X 1C4

Project : BELL CREEK
Comments: ATTN: M.JONES

Certificate Date: 07-NOV-94
Invoice No. : I9429845
P.O. Number : 6107
Account : GP

CERTIFICATE OF ANALYSIS A9429845

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
942501	205	294	< 5	< 0.2	7.48	420	< 0.5	< 2	4.27	< 0.5	6	43	9	2.09	0.89	0.66
942502	205	294	< 5	< 0.2	7.99	680	< 0.5	< 2	3.00	< 0.5	6	76	11	2.01	1.39	0.76
942503	205	294	< 5	< 0.2	5.78	820	< 0.5	< 2	1.81	< 0.5	6	73	29	2.47	1.20	0.95
942504	205	294	< 5	< 0.2	7.08	450	< 0.5	< 2	6.75	< 0.5	6	56	11	2.26	0.86	1.07
942505	205	294	< 5	< 0.2	7.61	530	< 0.5	< 2	2.85	< 0.5	6	90	11	2.20	0.95	1.05
942506	205	294	< 5	< 0.2	7.55	640	< 0.5	< 2	4.06	< 0.5	21	45	120	6.56	0.68	3.08
942509	205	294	< 5	< 0.2	5.40	420	< 0.5	< 2	0.93	< 0.5	7	134	4	2.85	1.55	1.61
942510	205	294	< 5	< 0.2	7.23	240	< 0.5	< 2	0.79	< 0.5	23	159	13	5.49	0.34	5.80
942511	205	294	< 5	< 0.2	7.04	670	0.5	< 2	0.24	< 0.5	6	129	1	2.49	1.93	2.43
942512	205	294	< 5	< 0.2	7.49	580	< 0.5	< 2	0.21	< 0.5	26	175	20	5.92	1.40	4.70
942513	205	294	10	0.4	5.96	250	< 0.5	< 2	0.09	< 0.5	37	151	10	8.00	1.99	1.42
942514	205	294	< 5	< 0.2	6.73	520	0.5	< 2	0.17	4.0	3	136	59	1.68	2.28	1.76
942515	205	294	< 5	< 0.2	6.27	350	0.5	< 2	0.16	7.0	3	205	178	1.57	1.89	1.37
942516	205	294	< 5	< 0.2	6.43	760	1.0	< 2	0.11	< 0.5	2	142	28	1.44	2.21	1.75
942517	205	294	< 5	0.6	4.55	780	0.5	< 2	0.02	< 0.5	2	188	33	0.97	1.81	0.21
942518	205	294	< 5	1.0	4.13	700	0.5	< 2	0.06	< 0.5	1	157	23	0.97	1.64	0.23
942519	205	294	< 5	0.8	6.71	1170	1.0	< 2	0.02	< 0.5	2	45	25	1.07	2.72	0.32
942520	205	294	< 5	0.6	5.12	870	0.5	< 2	0.02	< 0.5	2	154	21	1.07	2.06	0.30
942521	205	294	< 5	0.8	6.37	1110	0.5	< 2	0.03	< 0.5	3	55	18	1.19	2.62	0.27
942522	205	294	< 5	1.8	6.40	1120	0.5	< 2	0.03	0.5	2	131	106	1.95	2.69	0.30
942523	205	294	20	1.6	5.41	980	0.5	< 2	0.04	< 0.5	2	200	22	2.02	2.28	0.20
942524	205	294	< 5	0.6	6.11	1270	0.5	< 2	0.04	< 0.5	3	102	36	1.59	2.59	0.58
942525	205	294	15	1.2	5.16	1150	0.5	< 2	0.04	0.5	3	142	84	1.82	2.39	0.29
942526	205	294	< 5	0.8	2.10	490	< 0.5	< 2	0.04	0.5	2	327	168	1.27	0.94	0.27
942527	205	294	< 5	< 0.2	7.71	300	< 0.5	< 2	0.45	< 0.5	9	65	28	3.39	0.73	2.04
942528	205	294	< 5	< 0.2	8.13	180	< 0.5	< 2	1.83	< 0.5	11	88	20	4.35	0.62	2.64
942529	205	294	< 5	0.4	6.73	990	0.5	< 2	0.06	< 0.5	3	92	229	2.43	1.93	2.74
942530	205	294	< 5	< 0.2	6.39	360	0.5	< 2	0.07	< 0.5	3	81	5	2.52	2.26	1.34
942531	205	294	< 5	< 0.2	6.00	500	0.5	< 2	0.05	< 0.5	6	173	27	2.30	2.07	1.41
942532	205	294	< 5	0.8	5.38	220	< 0.5	< 2	0.03	< 0.5	4	80	472	2.86	1.89	0.98
942533	205	294	< 5	0.6	6.27	290	0.5	< 2	0.04	< 0.5	4	137	619	3.28	2.23	1.14
942534	205	294	< 5	0.4	6.32	420	< 0.5	< 2	0.39	< 0.5	5	204	375	3.76	2.09	1.53
942535	205	294	< 5	0.4	6.34	270	< 0.5	< 2	0.23	< 0.5	6	159	100	3.38	1.72	2.27
942536	205	294	< 5	0.6	7.95	1860	0.5	< 2	1.46	< 0.5	3	85	109	2.09	1.41	2.93
942537	205	294	105	8.2	5.28	880	< 0.5	< 2	1.26	9.0	4	177	858	3.02	1.39	1.04
942538	205	294	15	1.0	5.96	1170	0.5	< 2	0.07	< 0.5	3	96	325	2.72	1.74	1.13
942539	205	294	20	0.6	8.07	2340	< 0.5	< 2	0.05	< 0.5	5	152	137	5.78	2.25	2.11
942540	205	294	10	0.6	7.74	1320	0.5	< 2	0.06	< 0.5	4	105	671	2.22	2.02	2.62
942541	205	294	< 5	0.4	5.96	620	< 0.5	< 2	0.07	< 0.5	3	142	32	7.34	1.58	2.24
942542	205	294	< 5	< 0.2	6.45	490	< 0.5	< 2	0.04	< 0.5	6	176	31	3.07	1.89	2.04

CERTIFICATION: [signature]

Chemex Labs Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
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PHONE: 604-984-0221

To: WESTMIN RESOURCES LTD.

P.O. Box 49066, The Bentall Centre
VANCOUVER, BC
V7X 1C4

Project : BELL CREEK
Comments: ATTN: M.JONES

Certificate Date: 07-NOV-94
Invoice No. : I9429845
P.O. Number :6107
Account :GP

CERTIFICATE OF ANALYSIS A9429845

SAMPLE	PREP CODE		Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)
942501	205	294	965	1	2.34	2	410	2	119	0.23	45	< 10	66
942502	205	294	525	2	1.57	2	380	< 2	146	0.26	42	< 10	64
942503	205	294	355	31	0.86	11	240	< 2	98	0.19	74	< 10	82
942504	205	294	1375	3	1.84	2	420	< 2	170	0.21	50	< 10	62
942505	205	294	570	2	1.81	2	420	< 2	168	0.22	51	< 10	62
942506	205	294	1140	4	1.17	8	300	< 2	78	0.08	314	< 10	94
942509	205	294	215	8	0.64	3	80	< 2	21	0.07	25	< 10	18
942510	205	294	895	4	1.11	60	460	< 2	16	0.23	164	< 10	92
942511	205	294	245	23	0.47	< 1	270	< 2	21	0.07	35	< 10	30
942512	205	294	390	18	0.28	56	490	< 2	7	0.09	139	< 10	46
942513	205	294	160	9	0.27	5	240	< 2	12	0.07	101	< 10	18
942514	205	294	695	2	0.46	< 1	140	4	12	0.07	9	< 10	512
942515	205	294	670	1	1.06	3	130	2	11	0.06	7	< 10	936
942516	205	294	980	3	0.29	3	150	6	12	0.06	8	< 10	498
942517	205	294	50	4	0.24	2	70	6	11	0.05	4	< 10	38
942518	205	294	55	8	0.22	2	220	6	10	0.04	4	< 10	30
942519	205	294	60	4	0.35	< 1	110	10	15	0.07	6	< 10	38
942520	205	294	65	4	0.26	2	90	6	11	0.05	4	< 10	40
942521	205	294	45	3	0.33	2	100	10	14	0.06	6	< 10	42
942522	205	294	65	8	0.34	2	100	8	15	0.07	8	< 10	102
942523	205	294	30	10	0.28	3	90	6	12	0.06	7	< 10	38
942524	205	294	190	3	0.25	1	160	6	8	0.07	10	< 10	106
942525	205	294	70	7	0.21	< 1	150	8	7	0.07	9	< 10	96
942526	205	294	145	< 1	0.06	3	130	2	2	0.04	18	< 10	68
942527	205	294	715	< 1	3.48	4	500	4	32	0.26	67	< 10	132
942528	205	294	1680	1	2.78	7	550	8	123	0.29	95	< 10	140
942529	205	294	610	13	0.30	2	110	6	13	0.06	12	< 10	100
942530	205	294	240	13	0.30	3	110	4	14	0.06	9	< 10	62
942531	205	294	245	9	0.28	2	130	2	13	0.06	10	< 10	42
942532	205	294	165	9	0.26	4	100	< 2	12	0.04	8	< 10	30
942533	205	294	195	24	0.32	1	130	4	16	0.06	8	< 10	42
942534	205	294	350	18	0.30	5	130	2	21	0.06	21	< 10	50
942535	205	294	510	12	0.29	7	160	6	22	0.06	15	< 10	154
942536	205	294	875	8	0.77	2	230	30	63	0.09	12	< 10	422
942537	205	294	285	39	0.38	8	90	48	50	0.05	29	< 10	1575
942538	205	294	125	15	0.48	3	110	16	33	0.04	11	< 10	130
942539	205	294	240	28	0.64	1	110	12	40	0.07	15	< 10	106
942540	205	294	290	9	0.60	5	190	18	38	0.06	12	< 10	108
942541	205	294	290	49	0.34	4	200	6	19	0.05	10	< 10	52
942542	205	294	345	10	0.33	3	130	4	18	0.06	11	< 10	30

CERTIFICATION: Hart Bichler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
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PHONE: 604-984-0221

WESTMIN RESOURCES LTD.

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VANCOUVER, BC
V7X 1C4

Project : BELL CREEK
Comments: ATTN: M.JONES

Page Number :2-A
Total Pages :2
Certificate Date: 07-NOV-94
Invoice No. : I9429845
P.O. Number :6107
Account :GP

CERTIFICATE OF ANALYSIS A9429845

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
942543	205	294	< 5	< 0.2	5.39	600	< 0.5	< 2	0.12	< 0.5	4	124	8	4.45	1.70	0.89
942544	205	294	10	2.6	7.08	3940	< 0.5	< 2	0.14	< 0.5	4	72	940	4.61	2.03	0.88
942545	205	294	< 5	0.4	8.15	6520	0.5	< 2	0.57	< 0.5	5	119	18	2.11	1.51	2.27
942546	205	294	< 5	< 0.2	7.66	480	< 0.5	< 2	2.35	< 0.5	11	69	27	3.84	0.78	1.66
942547	205	294	< 5	< 0.2	7.97	590	< 0.5	< 2	2.29	< 0.5	6	97	11	2.89	1.44	1.25
942548	205	294	< 5	< 0.2	7.66	420	< 0.5	< 2	2.53	< 0.5	10	74	16	3.08	1.20	0.96
942549	205	294	< 5	< 0.2	7.20	380	< 0.5	< 2	2.56	< 0.5	8	97	12	2.68	0.94	0.96

CERTIFICATION: Hart Bichler

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To: WESTMIN RESOURCES LTD.

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VANCOUVER, BC
V7X 1C4

Project : BELL CREEK
Comments: ATTN: M.JONES

Certificate Date: 07-NOV-94
Invoice No. : I9429845
P.O. Number :6107
Account :GP

CERTIFICATE OF ANALYSIS A9429845

SAMPLE	PREP CODE		Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)
942543	205	294	135	17	0.35	2	110	4	23	0.05	6	< 10	18
942544	205	294	85	25	0.58	< 1	80	26	53	0.06	15	< 10	104
942545	205	294	310	4	0.78	6	110	64	129	0.06	21	< 10	492
942546	205	294	610	2	2.23	4	470	< 2	91	0.28	129	< 10	74
942547	205	294	545	1	1.60	3	550	< 2	84	0.27	58	< 10	78
942548	205	294	620	1	1.80	6	490	< 2	80	0.29	82	< 10	78
942549	205	294	605	1	1.76	4	390	< 2	76	0.24	63	< 10	64

CERTIFICATION: HartBichler

Chemex Labs Ltd.

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WESTMIN RESOURCES LTD.

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Project : 6107
Comments: ATTN: MURRAY JONES

Page Number : 1-A
Total Pages : 2
Certificate Date: 10-NOV-94
Invoice No. : I9430075
P.O. Number :
Account : GP

CERTIFICATE OF ANALYSIS A9430075

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
942507	205 294	< 5	< 0.2	7.02	240	< 0.5	< 2	5.44	0.5	24	51	112	5.95	0.74	2.14
942508	205 294	< 5	< 0.2	6.61	470	< 0.5	< 2	6.46	< 0.5	16	61	84	4.08	0.55	1.50
942550	205 294	< 5	< 0.2	8.81	640	< 0.5	< 2	3.45	< 0.5	11	54	11	2.56	1.30	0.78
942551	205 294	< 5	< 0.2	7.76	510	< 0.5	< 2	5.72	< 0.5	9	48	14	2.09	1.04	0.66
942552	205 294	< 5	< 0.2	8.71	710	< 0.5	< 2	2.99	< 0.5	9	61	9	2.40	1.43	0.86
942553	205 294	< 5	< 0.2	3.83	400	< 0.5	< 2	3.43	< 0.5	7	128	41	2.53	0.80	0.80
942554	205 294	< 5	< 0.2	6.83	470	< 0.5	< 2	6.70	< 0.5	8	53	21	2.07	0.80	1.07
942555	205 294	< 5	< 0.2	7.50	490	< 0.5	< 2	5.46	< 0.5	9	56	19	2.17	0.91	1.09
942556	205 294	< 5	< 0.2	7.82	840	< 0.5	< 2	2.35	< 0.5	8	100	11	1.96	1.28	1.08
942557	205 294	< 5	< 0.2	6.51	210	< 0.5	< 2	5.73	0.5	22	74	76	5.26	1.34	1.94
942558	205 294	< 5	< 0.2	7.25	290	< 0.5	< 2	3.94	0.5	25	56	97	5.79	0.64	2.40
942559	205 294	< 5	< 0.2	5.41	580	< 0.5	< 2	1.16	< 0.5	9	110	4	2.37	1.46	2.00
942560	205 294	< 5	< 0.2	7.39	70	< 0.5	< 2	0.68	0.5	24	187	8	5.40	0.24	5.50
942561	205 294	10	< 0.2	5.85	390	< 0.5	< 2	0.23	< 0.5	17	87	42	4.23	1.44	2.94
942562	205 294	5	< 0.2	4.65	370	< 0.5	< 2	0.18	< 0.5	14	137	4	2.86	1.36	1.79
942563	205 294	< 5	< 0.2	6.37	580	< 0.5	< 2	0.14	< 0.5	11	88	2	3.15	1.72	2.44
942564	205 294	< 5	< 0.2	7.37	340	< 0.5	< 2	3.16	1.5	32	29	77	7.32	0.10	3.13
942565	205 294	< 5	1.2	7.46	860	< 0.5	< 2	0.63	11.0	22	59	2020	5.57	1.01	2.64
942566	205 294	< 5	< 0.2	8.27	1260	< 0.5	< 2	0.18	< 0.5	12	80	30	3.74	2.44	2.71
942567	205 294	< 5	< 0.2	6.64	330	< 0.5	< 2	0.09	< 0.5	10	94	7	3.41	1.67	2.56
942568	205 294	< 5	< 0.2	6.50	480	< 0.5	< 2	0.11	< 0.5	9	105	4	2.34	1.81	2.50
942569	205 294	< 5	< 0.2	6.98	290	< 0.5	< 2	0.28	< 0.5	28	66	7	6.19	1.05	3.90
942570	205 294	< 5	< 0.2	6.98	540	< 0.5	< 2	0.10	< 0.5	15	170	12	3.96	2.07	2.40
942571	205 294	< 5	< 0.2	8.08	420	< 0.5	< 2	0.13	< 0.5	21	51	82	4.73	2.17	3.45
942572	205 294	< 5	< 0.2	9.47	100	< 0.5	< 2	0.22	1.0	28	36	288	7.75	0.68	4.10
942573	205 294	< 5	< 0.2	6.75	420	< 0.5	< 2	0.67	< 0.5	8	42	14	1.98	1.44	1.78
942574	205 294	< 5	< 0.2	6.75	440	< 0.5	< 2	0.38	< 0.5	6	84	32	2.29	1.65	1.46
942575	205 294	< 5	< 0.2	6.75	610	< 0.5	< 2	0.08	< 0.5	5	69	4	1.47	2.47	1.67
942576	205 294	< 5	< 0.2	6.82	560	< 0.5	< 2	0.20	0.5	7	134	47	2.36	2.43	1.49
942577	205 294	< 5	< 0.2	6.84	510	< 0.5	< 2	0.14	< 0.5	6	118	22	1.61	2.27	1.97
942578	205 294	< 5	< 0.2	7.47	510	< 0.5	< 2	0.18	0.5	10	106	49	2.44	2.70	2.01
942579	205 294	< 5	< 0.2	6.94	890	< 0.5	< 2	0.17	0.5	5	113	64	1.60	2.33	1.65
942580	205 294	< 5	< 0.2	6.62	600	< 0.5	< 2	0.17	< 0.5	6	109	275	1.74	2.35	1.60
942581	205 294	< 5	0.4	6.77	530	< 0.5	< 2	0.10	37.0	6	121	438	2.06	2.57	1.22
942582	205 294	< 5	0.4	7.36	680	< 0.5	< 2	0.10	1.5	6	77	261	1.73	2.57	1.76
942583	205 294	< 5	0.4	7.14	870	< 0.5	< 2	0.09	< 0.5	6	74	146	1.49	2.58	1.63
942584	205 294	< 5	0.4	6.00	1270	< 0.5	< 2	0.31	1.0	4	160	125	1.00	2.23	1.10
942585	205 294	< 5	0.4	5.94	270	< 0.5	< 2	0.24	< 0.5	5	85	18	1.76	2.53	0.41
942586	205 294	20	>100.0	5.40	950	< 0.5	< 2	0.11	< 0.5	11	124	1060	1.77	2.25	0.61
942587	205 294	< 5	1.0	4.62	310	< 0.5	< 2	0.02	1.0	4	199	110	2.11	2.09	0.27

CERTIFICATION: [signature]

Chemex Labs Ltd.
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WESTMIN RESOURCES LTD.

P.O. Box 49066, The Bentall Centre
VANCOUVER, BC
V7X 1C4

Project : 6107
Comments: ATTN: MURRAY JONES

Certificate Date: 10-NOV-94
Invoice No. : I9430075
P.O. Number :
Account :GP

CERTIFICATE OF ANALYSIS A9430075

SAMPLE	PREP CODE		Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)
942507	205	294	1170	8	1.45	19	480	10	83	0.09	243	< 10	98
942508	205	294	1275	12	1.68	16	360	6	103	0.11	155	< 10	82
942550	205	294	725	< 1	2.23	< 1	510	2	111	0.28	62	< 10	78
942551	205	294	1280	< 1	1.80	1	440	4	137	0.24	49	< 10	62
942552	205	294	535	< 1	1.71	1	440	4	179	0.28	49	< 10	66
942553	205	294	515	28	0.48	23	190	< 2	78	0.13	79	< 10	94
942554	205	294	1305	< 1	1.75	3	420	< 2	162	0.21	53	< 10	58
942555	205	294	1110	1	1.88	3	410	< 2	169	0.23	54	< 10	60
942556	205	294	395	< 1	1.48	< 1	350	< 2	159	0.24	47	< 10	64
942557	205	294	1125	12	0.95	25	640	< 2	74	0.09	241	< 10	94
942558	205	294	1035	2	1.54	15	390	< 2	88	0.09	247	< 10	92
942559	205	294	260	3	0.41	4	100	< 2	27	0.09	37	< 10	20
942560	205	294	950	< 1	1.62	64	450	< 2	14	0.33	163	< 10	90
942561	205	294	330	< 1	0.42	11	190	< 2	13	0.08	80	< 10	36
942562	205	294	190	14	0.16	4	80	< 2	13	0.05	34	< 10	28
942563	205	294	240	13	0.24	4	150	< 2	17	0.06	28	< 10	30
942564	205	294	1575	< 1	2.61	10	1070	< 2	126	0.64	370	< 10	148
942565	205	294	625	21	2.30	10	590	< 2	15	0.16	169	< 10	1650
942566	205	294	425	< 1	0.59	13	290	< 2	13	0.13	111	< 10	184
942567	205	294	300	< 1	0.32	7	110	< 2	16	0.06	23	< 10	36
942568	205	294	325	2	0.32	4	190	< 2	16	0.05	20	< 10	36
942569	205	294	710	< 1	0.30	10	410	< 2	9	0.09	173	< 10	52
942570	205	294	615	< 1	0.33	7	240	< 2	14	0.08	49	< 10	52
942571	205	294	1290	< 1	0.33	11	320	< 2	14	0.09	130	< 10	224
942572	205	294	1170	< 1	2.78	16	460	< 2	12	0.15	268	< 10	162
942573	205	294	3210	< 1	1.22	8	190	12	65	0.04	12	< 10	94
942574	205	294	705	< 1	1.74	3	140	10	24	0.07	27	< 10	124
942575	205	294	430	1	0.32	1	100	8	14	0.07	10	< 10	78
942576	205	294	425	1	0.37	5	130	4	15	0.08	15	< 10	88
942577	205	294	550	1	0.36	3	130	< 2	13	0.07	9	< 10	128
942578	205	294	560	< 1	0.36	4	140	4	15	0.08	26	< 10	136
942579	205	294	830	1	0.54	2	140	4	17	0.07	9	< 10	196
942580	205	294	665	20	0.30	1	130	4	16	0.07	10	< 10	168
942581	205	294	470	10	0.37	4	250	4	14	0.07	13	< 10	5600
942582	205	294	665	3	0.42	6	180	4	15	0.08	14	< 10	452
942583	205	294	575	1	0.41	< 1	130	6	15	0.08	10	< 10	318
942584	205	294	440	3	0.30	7	110	6	15	0.06	10	< 10	378
942585	205	294	185	6	0.33	7	130	6	16	0.07	12	< 10	108
942586	205	294	245	2	0.24	5	220	4	10	0.06	15	1630	116
942587	205	294	105	3	0.22	6	60	4	8	0.06	19	< 10	146

CERTIFICATION: [signature]

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WESTMIN RESOURCES LTD.

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V7X 1C4

Project : 6107
Comments: ATTN: MURRAY JONES

Certificate Date: 10-NOV-94
Invoice No. : I9430075
P.O. Number :
Account :GP

CERTIFICATE OF ANALYSIS A9430075

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
942588	205	294	< 5	1.2	9.18	1480	< 0.5	< 2	0.04	< 0.5	9	47	10	3.00	2.64	4.33

CERTIFICATION: [signature]

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CERTIFICATE OF ANALYSIS A9430075

SAMPLE	PREP CODE		Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)			
942588	205	294	1975	1	0.44	5	50	< 2	11	0.10	16	< 10	172			

CERTIFICATION: [signature]

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Project : 6107
Comments: ATTN: MURRAY JONES

Page Number :1-A
Total Pages :1
Certificate Date: 17-NOV-94
Invoice No. :I9430503
P.O. Number :
Account :GP

CERTIFICATE OF ANALYSIS A9430503

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
942589	205	294	< 5	< 0.2	6.87	690	< 0.5	< 2	0.21	< 0.5	6	99	33	1.97	1.83	2.83
942590	205	294	< 5	0.2	6.51	1150	< 0.5	< 2	0.36	1.5	6	112	82	1.77	2.06	1.92
942591	205	294	< 5	0.6	6.67	1240	< 0.5	< 2	0.18	< 0.5	7	128	106	1.94	2.30	2.03
942592	205	294	< 5	< 0.2	7.07	770	< 0.5	< 2	0.18	< 0.5	11	140	22	3.52	2.38	2.08
942593	205	294	< 5	0.2	7.73	660	< 0.5	< 2	0.08	< 0.5	15	98	10	4.55	2.52	2.61
942594	205	294	< 5	0.8	7.12	1060	< 0.5	< 2	0.08	< 0.5	7	120	576	2.39	2.13	2.48
942595	205	294	5	< 0.2	5.86	620	< 0.5	2	0.25	< 0.5	9	200	8	2.53	1.87	1.71
942596	205	294	25	0.8	6.12	440	< 0.5	< 2	0.18	< 0.5	8	104	49	2.75	2.19	0.85
942597	205	294	20	0.6	5.87	340	< 0.5	< 2	0.03	< 0.5	7	134	11	2.15	1.78	1.42
942598	205	294	< 5	< 0.2	7.76	1280	< 0.5	< 2	0.06	< 0.5	9	101	3	3.17	1.78	3.61
942599	205	294	< 5	1.2	1.20	130	< 0.5	2	0.80	< 0.5	2	380	197	0.62	0.14	0.29
942600	205	294	40	7.2	7.56	290	< 0.5	< 2	0.19	43.0	8	144	1660	3.19	1.93	2.42
942601	205	294	< 5	< 0.2	8.74	5070	< 0.5	< 2	0.77	< 0.5	8	152	23	2.15	1.78	2.17
942602	205	294	85	10.6	7.27	350	< 0.5	4	0.11	12.0	6	126	2620	3.78	2.27	0.69
942603	205	294	45	2.2	5.24	140	< 0.5	10	0.03	< 0.5	8	107	435	7.17	1.82	0.37
942604	205	294	5	< 0.2	7.19	1370	< 0.5	< 2	0.07	< 0.5	10	120	22	2.97	1.56	3.63
942605	205	294	10	0.4	5.40	220	< 0.5	4	0.05	< 0.5	11	100	68	4.71	1.63	0.62
942606	205	294	< 5	< 0.2	8.43	30	< 0.5	< 2	2.07	< 0.5	40	45	107	8.74	0.14	2.55
942607	205	294	< 5	< 0.2	8.12	70	< 0.5	< 2	0.92	< 0.5	41	43	178	8.95	0.14	3.75
942608	205	294	< 5	< 0.2	7.80	20	< 0.5	< 2	1.04	< 0.5	40	42	157	8.70	0.11	3.07
942609	205	294	< 5	< 0.2	8.44	20	< 0.5	< 2	1.78	< 0.5	39	40	130	8.99	0.12	3.93
942610	205	294	< 5	< 0.2	8.82	30	< 0.5	< 2	1.86	< 0.5	42	35	126	9.07	0.16	4.19
942611	205	294	< 5	< 0.2	8.01	10	< 0.5	< 2	1.35	< 0.5	36	53	93	7.72	0.11	4.36
942612	205	294	< 5	< 0.2	6.47	160	< 0.5	< 2	0.11	< 0.5	23	89	15	5.01	1.59	2.70
942613	205	294	< 5	< 0.2	6.33	250	< 0.5	< 2	0.15	< 0.5	28	133	22	5.44	0.80	4.08
942614	205	294	< 5	< 0.2	6.35	140	< 0.5	< 2	0.06	< 0.5	13	128	15	4.69	2.08	1.40
942615	205	294	35	< 0.2	5.67	110	< 0.5	4	0.09	< 0.5	31	124	14	10.80	1.89	0.81
942616	205	294	< 5	< 0.2	7.58	410	< 0.5	< 2	0.07	< 0.5	9	99	36	2.74	1.74	2.30
942617	205	294	< 5	< 0.2	7.38	40	< 0.5	< 2	0.25	< 0.5	20	133	< 1	3.41	0.26	3.66
942618	205	294	< 5	< 0.2	8.57	10	< 0.5	< 2	0.45	< 0.5	34	203	1	4.91	0.16	6.26
942619	205	294	20	1.8	6.19	340	< 0.5	< 2	0.18	0.5	8	177	305	4.68	1.90	0.74
942620	205	294	240	10.0	2.29	140	< 0.5	4	1.79	< 0.5	2	267	653	0.61	0.16	0.51
942621	205	294	< 5	< 0.2	7.16	360	< 0.5	< 2	0.87	< 0.5	4	88	6	1.86	2.17	1.55
942622	205	294	< 5	< 0.2	3.72	640	< 0.5	2	3.05	< 0.5	4	267	4	0.93	0.87	0.95
942623	205	294	< 5	< 0.2	6.20	180	< 0.5	2	1.30	< 0.5	8	85	6	1.47	0.28	0.49
942624	205	294	< 5	< 0.2	3.44	1370	< 0.5	< 2	1.61	< 0.5	15	117	19	4.12	0.83	1.08
942625	205	294	< 5	< 0.2	6.76	540	< 0.5	< 2	1.09	< 0.5	8	119	36	2.09	1.09	0.95
942626	205	294	< 5	< 0.2	7.86	460	< 0.5	< 2	2.09	< 0.5	19	107	44	4.09	1.34	2.25
942627	205	294	< 5	< 0.2	8.08	40	< 0.5	< 2	4.37	< 0.5	14	140	8	3.52	0.16	1.06
942628	205	294	< 5	< 0.2	6.63	230	< 0.5	< 2	4.44	< 0.5	22	92	115	4.61	0.20	1.43

CERTIFICATION: [signature]

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To: WESTMIN RESOURCES LTD.

P.O. Box 49066, The Bentall Centre
VANCOUVER, BC
V7X 1C4

Project : 6107
Comments: ATTN: MURRAY JONES

Certificate Date: 17-NOV-94
Invoice No. : I9430503
P.O. Number :
Account :GP

CERTIFICATE OF ANALYSIS A9430503

SAMPLE	PREP CODE		Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)
942589	205	294	675	8	0.40	2	120	6	16	0.07	8	< 10	134
942590	205	294	505	2	0.44	< 1	170	12	25	0.07	8	< 10	452
942591	205	294	565	1	0.47	3	160	14	15	0.07	6	< 10	372
942592	205	294	535	8	0.51	2	160	10	17	0.07	6	< 10	84
942593	205	294	605	4	0.52	< 1	240	8	13	0.07	13	< 10	112
942594	205	294	650	13	0.44	5	140	8	13	0.07	10	< 10	194
942595	205	294	545	6	0.35	1	170	8	15	0.06	7	< 10	70
942596	205	294	245	12	0.41	1	90	12	26	0.06	9	< 10	114
942597	205	294	490	14	0.37	< 1	60	14	16	0.05	7	< 10	104
942598	205	294	1115	4	0.51	2	130	12	19	0.06	9	< 10	346
942599	205	294	180	3	0.22	4	30	16	21	0.01	2	< 10	72
942600	205	294	475	15	0.65	< 1	120	130	35	0.07	12	< 10	7190
942601	205	294	455	1	1.09	4	110	48	125	0.07	10	< 10	556
942602	205	294	75	19	0.58	< 1	70	84	31	0.08	13	< 10	2230
942603	205	294	35	34	0.50	5	30	24	23	0.05	6	10	42
942604	205	294	615	16	0.45	6	120	10	17	0.06	8	< 10	116
942605	205	294	85	21	0.47	4	60	16	21	0.06	11	< 10	58
942606	205	294	1295	3	4.02	14	1260	< 2	152	0.68	434	20	96
942607	205	294	1580	3	2.97	11	840	< 2	47	0.63	471	20	78
942608	205	294	1415	4	3.11	9	550	< 2	53	0.52	448	10	62
942609	205	294	1680	2	2.57	14	1050	< 2	73	0.63	421	20	102
942610	205	294	1770	2	2.91	15	1320	< 2	80	0.73	449	20	128
942611	205	294	1300	3	2.09	13	1020	< 2	53	0.46	359	10	96
942612	205	294	285	19	0.35	9	240	< 2	11	0.08	64	< 10	28
942613	205	294	400	6	0.34	9	500	< 2	7	0.09	135	< 10	32
942614	205	294	245	3	0.35	8	200	< 2	9	0.07	19	< 10	16
942615	205	294	140	36	0.34	8	340	< 2	8	0.06	17	< 10	8
942616	205	294	770	2	0.51	5	150	2	17	0.07	17	< 10	156
942617	205	294	980	< 1	3.61	25	270	2	12	0.12	113	< 10	106
942618	205	294	1380	< 1	3.03	39	370	< 2	18	0.14	175	< 10	126
942619	205	294	430	10	0.42	7	130	22	15	0.06	14	< 10	594
942620	205	294	225	< 1	0.53	6	10	22	68	< 0.01	3	< 10	90
942621	205	294	730	2	1.66	3	60	6	94	0.08	10	< 10	146
942622	205	294	780	1	1.07	7	80	4	185	0.02	8	< 10	74
942623	205	294	>10000	1	4.20	2	70	8	69	0.05	11	< 10	118
942624	205	294	5450	1	0.80	29	790	40	61	0.21	111	< 10	86
942625	205	294	1405	1	2.52	6	210	8	107	0.18	39	< 10	100
942626	205	294	2010	3	1.44	7	230	8	166	0.30	145	< 10	104
942627	205	294	990	2	2.91	6	560	4	129	0.27	104	10	62
942628	205	294	2580	1	1.22	27	420	12	78	0.25	204	< 10	82

CERTIFICATION:

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Project : BELL CREEK
Comments: ATTN: M. JONES

Certificate Date: 24-NOV-94
Invoice No. : I9430834
P.O. Number : 6107
Account : GP

CERTIFICATE OF ANALYSIS A9430834

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
942629	205	294	< 5	< 0.2	7.31	150	< 0.5	< 2	2.66	0.5	12	82	47	3.59	0.25	1.26
942630	205	294	< 5	< 0.2	8.22	190	< 0.5	2	3.56	0.5	13	82	61	3.49	0.81	1.20
942631	205	294	< 5	< 0.2	7.52	40	< 0.5	2	3.04	< 0.5	13	47	55	3.25	0.31	0.95
942632	205	294	< 5	< 0.2	7.28	30	< 0.5	< 2	2.97	0.5	27	52	133	6.59	0.17	2.22
942633	205	294	< 5	< 0.2	7.08	300	< 0.5	< 2	3.98	0.5	12	71	36	3.39	0.54	0.92
942634	205	294	< 5	< 0.2	7.19	410	< 0.5	< 2	3.92	0.5	13	93	52	3.56	0.57	1.17
942635	205	294	< 5	< 0.2	7.64	650	< 0.5	< 2	3.63	< 0.5	14	67	52	4.33	0.77	1.50
942636	205	294	< 5	< 0.2	8.06	550	< 0.5	< 2	3.65	0.5	14	74	71	4.20	0.67	1.49
942637	205	294	< 5	< 0.2	8.11	460	< 0.5	2	3.55	8.0	14	80	123	4.09	0.61	1.38
942638	205	294	< 5	< 0.2	6.27	440	< 0.5	< 2	2.69	1.0	21	60	118	6.17	0.85	2.56
942639	205	294	< 5	< 0.2	6.14	510	< 0.5	< 2	2.87	1.0	23	55	137	6.31	0.89	2.42
942640	205	294	< 5	< 0.2	6.86	500	< 0.5	< 2	2.80	2.0	28	38	177	7.57	0.95	3.32
942641	205	294	< 5	< 0.2	6.94	480	< 0.5	< 2	3.18	1.5	29	30	171	7.62	0.95	3.01
942642	205	294	< 5	< 0.2	7.02	360	< 0.5	< 2	3.47	1.5	29	37	157	7.67	0.73	2.86
942643	205	294	< 5	< 0.2	6.81	190	< 0.5	< 2	3.74	1.0	28	39	141	7.33	0.35	2.49
942644	205	294	< 5	< 0.2	6.60	40	< 0.5	< 2	3.53	1.0	27	32	155	7.17	0.10	2.53
942645	205	294	< 5	< 0.2	8.09	530	< 0.5	< 2	4.27	0.5	15	54	35	4.54	0.48	1.47
942646	205	294	< 5	< 0.2	7.98	980	< 0.5	< 2	3.82	0.5	14	53	27	4.40	1.09	1.57
942647	205	294	< 5	< 0.2	7.11	480	< 0.5	< 2	3.60	0.5	10	86	20	3.22	0.76	1.00
942648	205	294	< 5	< 0.2	7.23	1490	< 0.5	< 2	2.48	< 0.5	16	46	44	4.03	1.46	1.50
942649	205	294	< 5	< 0.2	6.41	690	< 0.5	< 2	2.07	< 0.5	15	73	81	3.69	0.89	1.34
942650	205	294	< 5	< 0.2	6.85	1320	< 0.5	< 2	2.65	0.5	19	66	134	4.41	1.94	1.55
942651	205	294	< 5	< 0.2	6.85	680	< 0.5	< 2	3.18	0.5	28	49	123	7.06	1.08	2.89
942652	205	294	< 5	< 0.2	6.27	1000	< 0.5	< 2	2.82	0.5	24	50	96	5.60	1.11	2.28
942653	205	294	< 5	< 0.2	7.19	680	< 0.5	< 2	3.28	0.5	17	64	39	4.39	0.82	1.93
942654	205	294	< 5	< 0.2	7.79	160	< 0.5	< 2	2.70	0.5	17	58	28	3.99	0.44	2.07
942655	205	294	< 5	< 0.2	7.04	310	< 0.5	< 2	4.81	< 0.5	10	79	16	3.07	0.99	1.72
942656	205	294	< 5	< 0.2	7.68	480	< 0.5	< 2	2.52	1.0	24	169	214	4.28	0.78	4.06
942657	205	294	< 5	< 0.2	5.58	150	< 0.5	< 2	2.71	< 0.5	18	47	8	3.40	0.84	1.56
942658	205	294	< 5	< 0.2	6.08	200	< 0.5	< 2	1.87	1.0	22	137	14	5.68	0.55	4.47
942659	205	294	< 5	< 0.2	6.98	90	< 0.5	< 2	1.25	1.0	31	198	15	5.81	0.21	6.30
942660	205	294	< 5	< 0.2	7.41	40	< 0.5	< 2	1.63	0.5	30	243	28	5.88	0.12	7.10
942661	205	294	< 5	< 0.2	7.86	500	< 0.5	< 2	0.96	1.5	32	209	242	6.04	0.12	7.58
942662	205	294	< 5	< 0.2	8.25	240	< 0.5	< 2	0.95	1.0	31	218	60	6.70	0.65	7.07
942663	205	294	< 5	< 0.2	5.47	140	< 0.5	< 2	4.13	1.0	25	157	65	5.84	0.55	3.06
942664	205	294	< 5	< 0.2	6.03	200	< 0.5	< 2	1.83	1.0	34	187	45	6.72	0.43	4.72
942665	205	294	< 5	< 0.2	5.40	810	0.5	< 2	0.53	< 0.5	16	142	5	2.41	2.06	1.79
942666	205	294	< 5	< 0.2	6.12	200	< 0.5	< 2	1.42	1.0	28	151	11	6.45	0.51	4.73
942667	205	294	< 5	< 0.2	7.83	110	< 0.5	< 2	0.78	1.0	31	129	20	6.81	0.37	6.20
942668	205	294	< 5	< 0.2	5.50	450	< 0.5	< 2	0.40	< 0.5	21	122	6	2.12	1.05	1.21

CERTIFICATION: [signature]

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

To: WESTMIN RESOURCES LTD.

P.O. Box 49066, The Bentall Centre
VANCOUVER, BC
V7X 1C4

Project : BELL CREEK
Comments: ATTN: M. JONES

Certificate Date: 24-NOV-94
Invoice No. : I9430834
P.O. Number : 6107
Account : GP

CERTIFICATE OF ANALYSIS A9430834

SAMPLE	PREP CODE		Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)
942629	205	294	1025	< 1	3.47	7	600	4	83	0.26	103	< 10	76
942630	205	294	965	< 1	3.16	4	510	< 2	111	0.25	105	< 10	72
942631	205	294	865	< 1	3.40	2	500	4	41	0.24	93	< 10	54
942632	205	294	1205	< 1	2.92	10	550	< 2	73	0.40	310	< 10	94
942633	205	294	935	3	2.10	4	460	< 2	66	0.23	106	< 10	72
942634	205	294	1015	8	2.83	5	470	< 2	82	0.24	130	< 10	66
942635	205	294	985	< 1	2.62	7	560	< 2	119	0.31	147	< 10	76
942636	205	294	1045	< 1	3.23	6	600	< 2	129	0.30	144	< 10	78
942637	205	294	1075	< 1	3.62	4	510	< 2	132	0.28	149	< 10	72
942638	205	294	1330	< 1	1.50	8	510	< 2	95	0.37	295	< 10	80
942639	205	294	1495	< 1	1.33	9	410	< 2	136	0.41	345	< 10	78
942640	205	294	1690	< 1	1.56	10	530	< 2	92	0.49	372	< 10	96
942641	205	294	1690	< 1	1.63	11	490	< 2	117	0.48	335	< 10	96
942642	205	294	1705	< 1	1.65	11	490	< 2	131	0.48	340	< 10	96
942643	205	294	1595	< 1	1.80	10	470	< 2	125	0.48	319	< 10	94
942644	205	294	1565	< 1	1.86	9	450	< 2	83	0.43	338	< 10	90
942645	205	294	1095	< 1	2.89	10	620	8	209	0.32	147	< 10	86
942646	205	294	1100	< 1	2.17	6	600	6	142	0.32	144	< 10	88
942647	205	294	855	< 1	2.26	4	500	10	120	0.29	71	< 10	76
942648	205	294	1050	< 1	2.37	7	350	6	95	0.33	82	< 10	78
942649	205	294	1000	< 1	2.68	9	310	< 2	114	0.28	94	< 10	68
942650	205	294	1185	< 1	1.62	12	340	< 2	167	0.31	111	< 10	74
942651	205	294	2310	< 1	1.28	11	440	< 2	169	0.42	326	< 10	96
942652	205	294	2310	< 1	1.52	14	420	4	172	0.34	257	< 10	78
942653	205	294	1740	< 1	2.15	9	480	2	109	0.31	149	< 10	84
942654	205	294	980	1	3.14	7	450	< 2	78	0.29	154	< 10	68
942655	205	294	1270	1	1.80	3	380	< 2	54	0.21	68	< 10	64
942656	205	294	1450	< 1	2.43	58	480	< 2	57	0.34	156	< 10	120
942657	205	294	400	9	2.55	11	190	2	26	0.11	59	< 10	20
942658	205	294	790	8	1.19	49	560	< 2	21	0.40	155	< 10	78
942659	205	294	995	1	1.08	82	530	< 2	15	0.49	201	< 10	122
942660	205	294	1050	< 1	1.28	83	570	< 2	14	0.58	219	< 10	156
942661	205	294	1240	< 1	1.13	91	580	< 2	19	0.62	235	< 10	284
942662	205	294	1030	< 1	0.88	84	540	< 2	18	0.55	226	< 10	146
942663	205	294	545	18	1.58	32	280	< 2	43	0.26	108	< 10	44
942664	205	294	620	1	0.51	56	360	< 2	35	0.42	154	< 10	42
942665	205	294	175	1	0.19	6	90	< 2	17	0.09	33	< 10	16
942666	205	294	555	6	0.79	55	350	< 2	19	0.32	142	< 10	46
942667	205	294	850	< 1	1.71	63	300	< 2	20	0.36	186	< 10	62
942668	205	294	165	< 1	2.50	8	110	< 2	22	0.06	54	< 10	12

CERTIFICATION: Hart Bichler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: WESTMIN RESOURCES LTD.

P.O. Box 49066, The Bentall Centre
VANCOUVER, BC
V7X 1C4

Project : BELL CREEK
Comments: ATTN: M. JONES

Certificate Date: 24-NOV-94
Invoice No. : I9430834
P.O. Number : 6107
Account : GP

CERTIFICATE OF ANALYSIS A9430834

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
942669	205	294	< 5	< 0.2	7.87	180	< 0.5	< 2	0.56	0.5	37	132	14	6.91	0.50	6.41
942670	205	294	< 5	< 0.2	7.67	40	< 0.5	< 2	0.70	< 0.5	35	164	107	5.89	0.23	6.08
942671	205	294	< 5	< 0.2	7.27	60	< 0.5	< 2	0.73	0.5	35	145	20	5.86	0.20	5.26
942672	205	294	< 5	< 0.2	7.89	300	< 0.5	< 2	0.50	0.5	41	147	11	7.10	0.90	5.87
942673	205	294	< 5	< 0.2	7.97	40	< 0.5	< 2	0.22	1.0	38	120	75	6.12	0.16	5.77
942674	205	294	< 5	< 0.2	5.79	610	< 0.5	< 2	0.22	< 0.5	20	98	6	2.98	1.53	2.24
942675	205	294	< 5	< 0.2	6.25	300	< 0.5	< 2	0.96	0.5	26	154	36	6.24	0.92	4.40
942676	205	294	< 5	< 0.2	7.17	220	< 0.5	< 2	0.92	1.0	38	201	24	7.79	0.55	5.13
942677	205	294	< 5	< 0.2	6.58	220	< 0.5	< 2	0.24	1.0	35	152	14	6.61	0.79	4.25
942678	205	294	< 5	< 0.2	9.01	450	< 0.5	< 2	0.32	< 0.5	42	128	8	6.38	1.46	6.00
942679	205	294	< 5	< 0.2	6.25	350	< 0.5	< 2	3.79	1.0	28	55	142	7.49	0.53	1.97
942680	205	294	< 5	< 0.2	6.63	480	< 0.5	< 2	3.62	1.0	29	36	136	7.68	0.69	2.47
942681	205	294	< 5	< 0.2	7.40	850	< 0.5	< 2	3.75	1.0	30	42	149	7.81	1.24	3.01
942682	205	294	< 5	< 0.2	6.79	640	< 0.5	< 2	3.41	0.5	27	26	111	6.97	0.91	2.74
942683	205	294	< 5	< 0.2	7.06	660	< 0.5	< 2	3.35	1.0	27	38	106	7.14	0.96	2.89
942684	205	294	< 5	< 0.2	6.75	710	< 0.5	< 2	3.16	0.5	16	71	45	5.07	0.76	1.40
942685	205	294	< 5	< 0.2	7.05	410	< 0.5	< 2	3.68	0.5	23	48	76	6.18	0.47	1.82
942686	205	294	< 5	< 0.2	5.91	740	< 0.5	< 2	2.60	1.0	21	61	95	5.43	0.77	1.57
942687	205	294	< 5	< 0.2	6.13	590	< 0.5	2	3.21	1.0	20	59	58	5.28	0.64	1.42
942688	205	294	< 5	< 0.2	6.08	580	< 0.5	< 2	3.34	0.5	24	30	84	6.58	0.46	1.79
942689	205	294	< 5	< 0.2	6.67	510	< 0.5	< 2	3.70	1.5	25	44	88	6.42	0.58	1.88
942690	205	294	< 5	< 0.2	6.27	550	< 0.5	< 2	3.20	1.0	25	65	93	6.21	0.65	1.95
942691	205	294	< 5	< 0.2	6.77	800	< 0.5	< 2	2.97	1.0	23	56	102	6.00	1.07	1.91

CERTIFICATION: Hart Bichler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
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PHONE: 604-984-0221

To: WESTMIN RESOURCES LTD.

P.O. Box 49066, The Bentall Centre
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Project : BELL CREEK
Comments: ATTN: M. JONES

Page Number :2-B
Total Pages :2
Certificate Date: 24-NOV-94
Invoice No. : I9430834
P.O. Number :6107
Account :GP

CERTIFICATE OF ANALYSIS A9430834

SAMPLE	PREP CODE		Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)
942669	205	294	950	1	1.53	65	390	< 2	22	0.24	200	< 10	76
942670	205	294	1015	< 1	1.96	83	410	< 2	21	0.25	177	< 10	108
942671	205	294	745	< 1	2.12	73	410	< 2	22	0.13	152	< 10	70
942672	205	294	710	9	1.08	67	410	< 2	20	0.26	192	< 10	62
942673	205	294	800	< 1	2.59	50	220	< 2	12	0.08	178	< 10	66
942674	205	294	260	< 1	0.98	10	120	< 2	16	0.07	52	< 10	20
942675	205	294	495	7	0.24	57	410	< 2	15	0.08	145	< 10	42
942676	205	294	740	1	0.27	90	500	< 2	15	0.09	195	< 10	62
942677	205	294	505	5	0.83	55	350	< 2	10	0.09	134	< 10	44
942678	205	294	640	7	0.71	114	410	< 2	11	0.13	187	< 10	52
942679	205	294	1295	< 1	2.31	14	500	< 2	104	0.45	355	< 10	94
942680	205	294	1520	< 1	2.36	12	480	< 2	119	0.48	346	< 10	94
942681	205	294	1675	< 1	2.01	9	490	< 2	113	0.49	372	< 10	94
942682	205	294	1575	< 1	2.07	9	530	< 2	91	0.43	311	< 10	90
942683	205	294	1590	< 1	2.28	10	650	< 2	88	0.45	340	< 10	90
942684	205	294	1180	< 1	2.83	10	680	< 2	112	0.37	185	< 10	80
942685	205	294	1415	< 1	2.98	9	540	< 2	123	0.39	279	< 10	82
942686	205	294	1270	< 1	2.82	11	440	< 2	100	0.34	260	< 10	78
942687	205	294	1325	< 1	2.97	9	620	< 2	103	0.36	197	< 10	84
942688	205	294	1510	< 1	2.81	8	600	< 2	114	0.42	289	< 10	90
942689	205	294	1360	< 1	3.60	11	690	< 2	128	0.40	274	< 10	88
942690	205	294	1355	< 1	2.73	14	390	< 2	147	0.37	296	< 10	78
942691	205	294	1490	< 1	2.90	12	620	< 2	197	0.39	292	< 10	82

CERTIFICATION: Hart Bichler

Chemex Labs Ltd.
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To: WESTMIN RESOURCES LTD.

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Project : BELL CREEK
Comments: ATTN: M. JONES

Certificate Date: 14-DEC-94
Invoice No. : I9432432
P.O. Number : 6107
Account : GP

CERTIFICATE OF ANALYSIS A9432432

SAMPLE	PREP CODE		Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)	Mn ppm (ICP)
942692	244	285	< 0.2	7.87	880	< 0.5	2	2.94	< 0.5	25	47	159	7.86	1.20	2.74	1875
942693	244	285	< 0.2	7.23	880	0.5	4	2.94	< 0.5	25	44	131	7.69	1.17	2.75	1950
942694	244	285	< 0.2	6.04	680	0.5	4	3.05	< 0.5	19	64	95	5.99	1.00	2.09	1900
942695	244	285	< 0.2	7.11	680	0.5	2	3.07	< 0.5	20	39	123	6.68	1.06	2.42	1985
942696	244	285	< 0.2	6.70	610	< 0.5	2	2.88	< 0.5	21	53	93	6.52	1.08	2.35	1815
942697	244	285	< 0.2	6.52	1140	0.5	4	2.15	< 0.5	15	78	59	4.45	0.77	1.67	1795
942698	244	285	< 0.2	7.14	450	< 0.5	< 2	2.20	< 0.5	8	76	16	3.14	0.34	1.07	1150
942699	244	285	< 0.2	7.61	610	0.5	< 2	2.30	< 0.5	11	78	41	3.86	0.59	1.49	1405
942700	244	285	< 0.2	8.17	360	< 0.5	2	2.80	< 0.5	14	51	37	4.12	0.56	1.64	1035
942701	244	285	< 0.2	5.72	1230	0.5	4	2.33	< 0.5	15	88	64	3.50	1.10	1.51	2310
942702	244	285	< 0.2	7.45	480	< 0.5	2	2.38	< 0.5	12	73	23	3.77	0.75	1.89	635
942703	244	285	< 0.2	7.13	470	< 0.5	2	2.38	< 0.5	8	66	25	3.44	0.82	1.64	595
942704	244	285	< 0.2	6.96	440	< 0.5	2	2.46	< 0.5	10	84	28	3.33	0.75	1.58	565
942705	244	285	< 0.2	5.93	270	< 0.5	< 2	1.79	< 0.5	7	80	20	2.53	0.35	1.07	415
942706	244	285	< 0.2	7.44	420	< 0.5	< 2	2.55	< 0.5	12	56	30	3.79	0.52	1.68	730
942707	244	285	< 0.2	8.09	330	< 0.5	< 2	3.60	< 0.5	10	54	18	3.01	0.79	1.23	1005
942708	244	285	< 0.2	7.95	330	< 0.5	2	3.17	< 0.5	4	36	6	2.16	0.90	0.90	550
942709	244	285	< 0.2	6.49	280	< 0.5	2	5.04	< 0.5	4	92	14	2.26	0.68	1.05	735
942710	244	285	< 0.2	7.00	410	< 0.5	< 2	6.51	< 0.5	6	69	12	2.22	0.74	1.05	1160
942711	244	285	< 0.2	6.88	780	< 0.5	< 2	2.41	< 0.5	4	105	12	2.10	0.84	1.20	540
942712	244	285	< 0.2	5.93	220	< 0.5	2	8.68	< 0.5	16	45	60	4.88	0.38	2.18	1640
942713	244	285	< 0.2	6.89	140	< 0.5	< 2	4.26	< 0.5	14	59	72	5.14	0.53	2.27	930
942714	244	285	< 0.2	7.24	220	< 0.5	< 2	3.72	< 0.5	14	71	53	4.44	0.54	2.17	835
942715	244	285	< 0.2	6.56	210	< 0.5	< 2	2.83	< 0.5	15	66	71	5.11	0.55	2.03	715
942716	244	285	< 0.2	5.86	220	< 0.5	4	4.99	< 0.5	16	67	73	5.39	0.63	2.40	1170
942717	244	285	< 0.2	7.02	260	< 0.5	< 2	2.03	< 0.5	23	41	120	6.98	0.87	3.10	920
942718	244	285	< 0.2	8.08	220	< 0.5	< 2	2.83	< 0.5	24	37	149	8.16	0.97	3.85	1330
942719	244	285	< 0.2	5.97	90	< 0.5	< 2	4.83	< 0.5	19	35	95	5.85	0.46	2.14	965
942720	244	285	< 0.2	7.34	180	< 0.5	2	3.47	< 0.5	17	50	72	5.62	0.41	2.03	915
942721	244	285	< 0.2	6.67	270	< 0.5	< 2	0.59	< 0.5	17	112	10	4.40	0.68	4.98	505
942722	244	285	< 0.2	8.08	50	< 0.5	< 2	0.34	< 0.5	23	79	67	4.87	0.17	5.11	700
942723	244	285	< 0.2	8.50	140	< 0.5	< 2	0.25	< 0.5	25	73	1	5.70	0.36	5.88	710
942724	244	285	< 0.2	7.84	100	< 0.5	< 2	1.21	< 0.5	22	91	7	5.27	0.29	4.68	630
942725	244	285	< 0.2	8.17	140	< 0.5	< 2	0.34	< 0.5	26	83	22	5.35	0.52	5.87	635
942726	244	285	< 0.2	5.88	400	0.5	2	1.88	< 0.5	5	92	2	1.54	1.34	1.27	190
942727	244	285	< 0.2	4.00	120	< 0.5	< 2	0.07	< 0.5	3	84	12	2.13	1.56	0.30	25
942728	244	285	< 0.2	7.20	660	< 0.5	< 2	0.27	< 0.5	9	85	4	4.15	1.23	4.69	365
942729	244	285	< 0.2	3.31	550	< 0.5	4	0.18	< 0.5	3	108	1	1.26	0.97	1.28	85
942730	244	285	< 0.2	3.00	100	< 0.5	2	1.06	< 0.5	6	148	13	2.77	0.81	1.14	205
942731	244	285	< 0.2	7.62	< 10	< 0.5	2	3.15	< 0.5	21	38	76	7.00	0.03	2.45	1015

CERTIFICATION: [signature]

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
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PHONE: 604-984-0221

To: WESTMIN RESOURCES LTD.

P.O. Box 49066, The Bentall Centre
VANCOUVER, BC
V7X 1C4

Project : BELL CREEK
Comments: ATTN: M. JONES

Certificate Date: 14-DEC-94
Invoice No. :19432432
P.O. Number :6107
Account :GP

CERTIFICATE OF ANALYSIS A9432432

SAMPLE	PREP CODE		Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)	INT. ST COUNTS
942692	244	285	2	2.50	11	450	< 2	231	0.50	372	< 10	96	6040
942693	244	285	1	1.96	10	580	2	255	0.51	310	< 10	104	5780
942694	244	285	2	1.61	9	340	4	312	0.37	249	< 10	80	5800
942695	244	285	2	2.16	11	490	< 2	331	0.44	307	< 10	86	5940
942696	244	285	2	1.53	10	340	< 2	300	0.37	283	< 10	84	6050
942697	244	285	2	2.29	21	360	< 2	163	0.29	152	< 10	88	5780
942698	244	285	1	3.35	13	390	6	161	0.25	75	< 10	84	5700
942699	244	285	2	3.24	12	380	4	145	0.29	90	< 10	102	5890
942700	244	285	2	3.25	10	360	< 2	292	0.30	146	< 10	68	5740
942701	244	285	1	1.20	19	280	2	132	0.23	136	< 10	72	5670
942702	244	285	< 1	1.76	6	360	< 2	90	0.28	119	< 10	66	5790
942703	244	285	1	1.66	3	400	< 2	81	0.25	92	< 10	68	5840
942704	244	285	< 1	1.73	6	390	4	71	0.25	105	< 10	66	5710
942705	244	285	2	2.22	6	290	4	55	0.19	56	< 10	52	6130
942706	244	285	2	2.45	5	340	4	74	0.27	127	< 10	62	6070
942707	244	285	2	2.40	3	400	2	103	0.27	94	< 10	66	6040
942708	244	285	1	1.77	< 1	420	6	135	0.26	45	< 10	64	5860
942709	244	285	11	1.44	6	360	< 2	120	0.22	54	< 10	72	5870
942710	244	285	3	1.89	3	400	2	137	0.23	45	< 10	58	5540
942711	244	285	18	1.71	2	320	< 2	93	0.22	41	< 10	56	6250
942712	244	285	12	1.14	9	340	2	80	0.10	181	< 10	78	5970
942713	244	285	6	1.46	10	360	< 2	74	0.11	173	< 10	86	6300
942714	244	285	6	1.69	11	380	2	77	0.11	138	< 10	80	6320
942715	244	285	7	1.30	9	230	< 2	69	0.10	157	< 10	76	6130
942716	244	285	6	0.81	9	310	< 2	57	0.08	210	< 10	84	5780
942717	244	285	3	0.60	9	210	< 2	42	0.08	317	< 10	86	6190
942718	244	285	2	0.59	8	260	< 2	44	0.08	364	< 10	104	6160
942719	244	285	8	1.07	15	240	< 2	63	0.08	207	< 10	82	6040
942720	244	285	9	1.67	11	280	< 2	66	0.10	187	< 10	92	6000
942721	244	285	4	0.64	46	230	< 2	20	0.22	105	< 10	52	5930
942722	244	285	1	2.38	34	240	< 2	20	0.08	136	< 10	96	5880
942723	244	285	2	2.00	40	240	< 2	11	0.09	165	< 10	68	5920
942724	244	285	3	1.29	32	220	< 2	18	0.09	141	< 10	52	6080
942725	244	285	2	1.41	58	230	< 2	12	0.10	135	< 10	72	5840
942726	244	285	3	0.32	4	120	< 2	34	0.09	22	< 10	24	6110
942727	244	285	15	0.18	1	50	< 2	9	0.04	20	< 10	12	6270
942728	244	285	21	0.25	7	40	< 2	8	0.07	71	< 10	34	5880
942729	244	285	12	0.09	4	10	2	6	0.03	18	< 10	4	6050
942730	244	285	36	0.09	5	60	< 2	6	0.04	28	< 10	8	5720
942731	244	285	2	3.12	10	970	< 2	65	0.62	325	< 10	64	5890

CERTIFICATION: [signature]

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

To: WESTMIN RESOURCES LTD.

P.O. Box 49066, The Bentall Centre
VANCOUVER, BC
V7X 1C4

Project : BELL CREEK
Comments: ATTN: M. JONES

Certificate Date: 14-DEC-94
Invoice No. : I9432432
P.O. Number : 6107
Account : GP

CERTIFICATE OF ANALYSIS A9432432

SAMPLE	PREP CODE		Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)	Mn ppm (ICP)
942732	244	285	< 0.2	8.00	< 10	< 0.5	< 2	1.26	< 0.5	24	29	111	7.80	0.03	2.87	935
942733	244	285	< 0.2	7.76	< 10	< 0.5	2	1.71	< 0.5	23	21	109	7.73	0.04	2.74	1080
942734	244	285	< 0.2	7.46	< 10	< 0.5	6	1.87	< 0.5	21	17	71	7.55	0.08	2.55	1135
942735	244	285	< 0.2	7.49	< 10	< 0.5	4	2.46	< 0.5	24	15	75	7.53	0.07	2.87	1285
942736	244	285	< 0.2	7.35	370	< 0.5	4	2.59	< 0.5	21	21	67	7.10	0.06	3.50	1120
942737	244	285	< 0.2	7.42	10	< 0.5	< 2	1.94	< 0.5	21	21	44	7.33	0.05	3.66	1065
942738	244	285	< 0.2	7.31	240	< 0.5	4	2.16	< 0.5	23	23	83	7.33	0.05	4.13	1060
942739	244	285	< 0.2	7.58	< 10	< 0.5	< 2	1.23	< 0.5	22	23	104	7.31	0.05	4.98	880
942740	244	285	< 0.2	8.04	320	< 0.5	6	0.53	< 0.5	33	57	16	9.17	0.83	5.61	645
942741	244	285	< 0.2	6.83	30	< 0.5	2	0.59	< 0.5	45	27	27	10.75	0.54	5.41	475
942742	244	285	< 0.2	7.85	240	< 0.5	4	0.32	< 0.5	29	28	4	7.97	1.20	4.80	420
942743	244	285	< 0.2	6.45	30	< 0.5	2	0.44	< 0.5	20	24	70	7.70	1.42	2.92	300
942744	244	285	< 0.2	8.23	180	< 0.5	6	0.25	< 0.5	26	15	2	7.71	1.31	5.23	410
942745	244	285	< 0.2	6.46	150	< 0.5	8	0.11	< 0.5	10	49	1	3.91	1.86	2.59	175
942746	244	285	< 0.2	6.91	520	< 0.5	6	0.09	< 0.5	7	37	1	2.97	2.04	2.74	255
942747	244	285	< 0.2	8.09	220	< 0.5	< 2	0.19	< 0.5	22	23	13	7.59	0.96	6.08	885
942748	244	285	< 0.2	6.38	240	0.5	2	0.46	< 0.5	5	17	55	2.06	1.78	2.31	370
942749	244	285	< 0.2	8.90	130	< 0.5	4	0.49	< 0.5	19	104	50	5.83	0.71	4.88	1060
942750	244	285	0.2	7.11	270	0.5	8	0.11	< 0.5	7	37	88	1.98	1.80	2.06	420
942751	244	285	< 0.2	8.85	240	< 0.5	4	0.31	< 0.5	23	41	2	5.03	1.34	4.44	1035
942752	244	285	< 0.2	5.90	400	0.5	6	0.32	1.5	2	37	207	2.42	2.15	1.75	480
942753	244	285	< 0.2	6.94	580	0.5	6	0.38	< 0.5	3	13	20	1.74	2.12	1.58	640
942754	244	285	< 0.2	7.00	590	0.5	< 2	0.29	< 0.5	2	44	26	1.67	1.97	1.53	650
942755	244	285	< 0.2	6.61	810	0.5	< 2	0.18	< 0.5	1	32	8	1.32	2.50	1.53	480
942756	244	285	< 0.2	6.89	910	0.5	4	0.14	< 0.5	2	72	42	1.68	2.66	1.69	505
942757	244	285	0.8	5.95	170	0.5	4	0.11	< 0.5	3	16	45	1.86	2.50	0.93	215
942758	244	285	0.8	5.47	130	0.5	< 2	0.09	< 0.5	4	58	34	2.16	2.38	0.63	135
942759	244	285	0.4	4.74	160	0.5	< 2	0.17	< 0.5	2	95	25	2.19	2.15	0.51	115
942760	244	285	< 0.2	5.45	220	0.5	< 2	0.19	< 0.5	1	85	12	2.00	2.26	0.95	240
942761	244	285	< 0.2	6.58	480	0.5	< 2	0.03	< 0.5	1	63	3	2.46	2.51	1.52	395
942762	244	285	< 0.2	6.59	660	0.5	< 2	0.07	< 0.5	1	66	6	2.34	2.51	1.47	390
942763	244	285	< 0.2	6.04	330	0.5	< 2	0.06	< 0.5	< 1	55	40	2.14	2.40	1.13	300
942764	244	285	0.4	5.87	630	0.5	< 2	0.28	< 0.5	1	94	28	2.02	2.16	1.67	490
942765	244	285	2.0	2.91	120	< 0.5	< 2	0.57	< 0.5	< 1	85	249	2.63	1.27	0.56	235
942766	244	285	< 0.2	7.17	650	< 0.5	< 2	0.07	< 0.5	1	32	151	2.58	1.74	3.81	395
942767	244	285	1.0	6.21	300	0.5	2	0.09	0.5	2	88	482	2.36	2.22	1.80	280

CERTIFICATION: [signature]

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WESTMIN RESOURCES LTD.

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Project : BELL CREEK
Comments: ATTN: M. JONES

Certificate Date: 14-DEC-94
Invoice No. : I9432432
P.O. Number :6107
Account :GP

CERTIFICATE OF ANALYSIS A9432432

SAMPLE	PREP CODE		Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)	INT. ST COUNTS
942732	244	285	2	3.93	8	950	< 2	61	0.64	342	< 10	70	4420
942733	244	285	1	3.88	9	970	< 2	72	0.63	340	< 10	74	4380
942734	244	285	1	3.75	8	940	< 2	59	0.63	350	< 10	64	4080
942735	244	285	< 1	3.66	9	950	< 2	51	0.64	339	< 10	76	3980
942736	244	285	2	2.39	7	910	< 2	119	0.55	355	< 10	66	4090
942737	244	285	2	2.41	9	970	< 2	82	0.60	327	< 10	70	4360
942738	244	285	1	1.78	8	1000	2	82	0.51	325	< 10	62	3970
942739	244	285	4	1.52	12	850	< 2	55	0.29	304	< 10	44	3990
942740	244	285	9	0.44	21	470	< 2	9	0.11	230	< 10	46	3870
942741	244	285	21	0.44	7	350	< 2	6	0.06	164	< 10	34	3970
942742	244	285	2	0.41	6	350	< 2	11	0.08	162	< 10	28	3740
942743	244	285	9	0.30	< 1	290	< 2	14	0.06	113	< 10	22	3960
942744	244	285	4	0.38	12	660	< 2	10	0.09	135	< 10	36	3750
942745	244	285	3	0.31	1	140	< 2	12	0.06	24	< 10	24	3740
942746	244	285	4	0.36	4	150	< 2	12	0.06	38	< 10	30	3990
942747	244	285	3	0.40	7	530	< 2	8	0.10	186	< 10	86	4080
942748	244	285	< 1	0.32	< 1	160	6	22	0.05	18	< 10	114	3590
942749	244	285	< 1	2.14	19	350	< 2	11	0.04	123	< 10	126	3760
942750	244	285	< 1	1.41	3	200	4	13	0.05	52	< 10	66	3750
942751	244	285	< 1	1.81	19	360	2	14	0.12	117	< 10	104	3850
942752	244	285	4	0.23	< 1	100	4	16	0.06	10	< 10	204	4410
942753	244	285	2	0.98	< 1	100	< 2	23	0.04	4	< 10	104	4510
942754	244	285	1	1.33	1	90	4	21	0.04	3	< 10	114	4970
942755	244	285	3	0.30	< 1	70	4	19	0.06	5	< 10	50	4880
942756	244	285	5	0.29	2	90	2	15	0.06	7	< 10	110	4730
942757	244	285	8	0.26	1	100	< 2	11	0.06	9	< 10	88	4700
942758	244	285	5	0.28	1	100	2	10	0.06	10	< 10	64	4960
942759	244	285	7	0.25	1	40	< 2	11	0.05	6	< 10	50	5820
942760	244	285	6	0.25	1	50	4	13	0.06	7	< 10	58	5750
942761	244	285	1	0.32	1	30	< 2	12	0.06	3	< 10	58	5640
942762	244	285	1	0.34	1	50	6	14	0.06	3	< 10	94	5580
942763	244	285	1	0.31	< 1	30	2	14	0.06	5	< 10	110	6340
942764	244	285	1	0.27	2	80	< 2	16	0.05	13	< 10	228	5710
942765	244	285	13	0.16	1	10	2	17	0.02	5	< 10	28	5780
942766	244	285	4	0.45	< 1	< 10	4	22	0.04	13	< 10	174	4680
942767	244	285	6	0.28	1	40	6	22	0.07	9	< 10	110	4740

CERTIFICATION: ________

APPENDIX E

GEOCHEMICAL RESULTS, SOIL SAMPLES

SOIL SAMPLE DUPLICATES
KNOB HILL GRID

Duplicate Number	Location
1	8+00N/13+50W
2	8+00N/13+25W
3	19+00N/12+25W
4	16+00N/14+50W
5	16+00N/15+00W
6	16+00N/8+00W
7	16+00N/9+00W
8	7+00N/13+00W
9	6+OON/11+75W
10	4+00N/10+00W
11	2+00N/5+00W
12	2+00N/4+75W
13	2+00N/4+00W
14	2+00N/6+00W
14A	2+00N/9+00W
15	2+00N/9+25W
16	2+00N/9+50W
17	2+00N/9+75W
18	4+00N/12+25W
19	4+00N/12+50W
20	4+00N/12+00W
21	4+00N/11+75W
22	4+00N/11+00W
23	6+00N/7+75W
24	6+00N/7+75W
25	22+00N/14+50W

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WESTMIN RESOURCES LTD.

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A9433177

Comments: ATTN: MURRAY JONES

CERTIFICATE A9433177

(GP) - WESTMIN RESOURCES LTD.

Project: 6107
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 9-JAN-95.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201	131	Dry, sieve to -80 mesh
203	10	Dry, sieve to -35 mesh
205	10	Geochem ring to approx 150 mesh
285	141	ICP - HF digestion charge

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	141	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
578	141	Ag ppm: 24 element, rock & core	AAS	0.2	200
573	141	Al %: 24 element, rock & core	ICP-AES	0.01	25.0
565	141	Ba ppm: 24 element, rock & core	ICP-AES	10	10000
575	141	Be ppm: 24 element, rock & core	ICP-AES	0.5	1000
561	141	Bi ppm: 24 element, rock & core	ICP-AES	2	10000
576	141	Ca %: 24 element, rock & core	ICP-AES	0.01	25.0
562	141	Cd ppm: 24 element, rock & core	ICP-AES	0.5	500
563	141	Co ppm: 24 element, rock & core	ICP-AES	1	10000
569	141	Cr ppm: 24 element, rock & core	ICP-AES	1	10000
577	141	Cu ppm: 24 element, rock & core	ICP-AES	1	10000
566	141	Fe %: 24 element, rock & core	ICP-AES	0.01	25.0
584	141	K %: 24 element, rock & core	ICP-AES	0.01	10.00
570	141	Mg %: 24 element, rock & core	ICP-AES	0.01	15.00
568	141	Mn ppm: 24 element, rock & core	ICP-AES	5	10000
554	141	Mo ppm: 24 element, rock & core	ICP-AES	1	10000
583	141	Na %: 24 element, rock & core	ICP-AES	0.01	10.00
564	141	Ni ppm: 24 element, rock & core	ICP-AES	1	10000
559	141	P ppm: 24 element, rock & core	ICP-AES	10	10000
560	141	Pb ppm: 24 element, rock & core	AAS	2	10000
582	141	Sr ppm: 24 element, rock & core	ICP-AES	1	10000
579	141	Ti %: 24 element, rock & core	ICP-AES	0.01	10.00
572	141	V ppm: 24 element, rock & core	ICP-AES	1	10000
556	141	W ppm: 24 element, rock & core	ICP-AES	10	10000
558	141	Zn ppm: 24 element, rock & core	ICP-AES	2	10000

Chemex Labs Ltd.
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WESTMIN RESOURCES LTD.

P.O. Box 49066, The Bentall Centre
VANCOUVER, BC
V7X 1C4

Project : 6107
Comments: ATTN: MURRAY JONES

Certificate Date: 09-JAN-95
Invoice No. : I9433177
P.O. Number :
Account :GP

CERTIFICATE OF ANALYSIS A9433177

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
L15N 14+00E	201	285	< 5	< 0.2	7.86	480	< 0.5	< 2	2.29	< 0.5	11	29	18	3.32	0.98	0.83
L15N 14+25E	201	285	< 5	< 0.2	9.80	360	< 0.5	< 2	0.56	< 0.5	11	21	36	4.04	1.26	0.91
L15N 14+50E	201	285	< 5	< 0.2	9.17	680	< 0.5	< 2	1.94	< 0.5	14	54	31	4.16	1.36	1.10
L15N 14+75E	203	205	< 5	< 0.2	8.94	800	< 0.5	< 2	2.48	< 0.5	17	81	62	4.59	1.51	1.63
L15N 15+00E	201	285	< 5	< 0.2	8.39	540	< 0.5	< 2	1.83	0.5	15	52	54	4.41	1.07	1.43
L15N 15+25E	201	285	< 5	< 0.2	8.60	610	< 0.5	< 2	1.94	0.5	12	31	25	3.74	1.15	1.05
L15N 15+50E	201	285	< 5	< 0.2	8.79	830	< 0.5	< 2	1.41	0.5	15	33	46	4.87	1.19	1.45
L15N 15+75E	201	285	< 5	< 0.2	8.41	410	< 0.5	< 2	1.99	0.5	15	34	23	4.51	1.05	1.62
L15N 16+00E	201	285	< 5	< 0.2	9.23	770	< 0.5	< 2	1.23	< 0.5	16	30	72	5.30	1.25	1.70
L15N 16+25E	201	285	< 5	< 0.2	10.20	1080	< 0.5	< 2	0.27	0.5	19	57	88	5.62	2.06	2.79
L15N 16+50E	201	285	< 5	< 0.2	9.90	680	< 0.5	< 2	0.63	< 0.5	18	18	111	5.10	1.52	1.85
L15N 16+75E	201	285	< 5	< 0.2	9.52	540	< 0.5	< 2	0.70	0.5	26	74	122	5.63	0.76	2.90
L15N 17+00E	203	205	210	< 0.2	9.28	570	< 0.5	< 2	1.59	0.5	31	29	92	6.43	1.60	0.81
L15N 17+25E	201	285	2060	1.0	9.18	320	< 0.5	< 2	1.95	0.5	24	31	520	5.17	1.26	1.61
L15N 17+50E	201	285	< 5	< 0.2	9.70	670	< 0.5	< 2	0.40	0.5	27	18	168	5.75	1.66	2.72
L15N 17+75E	201	285	< 5	< 0.2	8.33	460	< 0.5	< 2	1.52	< 0.5	17	31	34	4.26	1.09	1.56
L15N 18+00E	203	205	< 5	< 0.2	8.83	710	< 0.5	< 2	1.65	< 0.5	21	71	105	4.54	1.55	1.35
L15N 18+25E	201	285	< 5	< 0.2	8.44	750	< 0.5	< 2	2.54	0.5	14	85	35	3.66	1.43	1.29
L15N 18+50E	201	285	< 5	< 0.2	9.12	840	< 0.5	< 2	1.88	0.5	19	81	84	4.64	1.48	1.54
L15N 18+75E	203	205	< 5	< 0.2	8.50	1130	< 0.5	< 2	1.75	1.5	26	88	90	5.08	1.59	0.94
L16N 14+00E	201	285	< 5	< 0.2	8.46	800	< 0.5	< 2	2.35	0.5	12	66	35	3.45	1.51	1.15
L16N 14+25E	201	285	< 5	< 0.2	8.57	700	< 0.5	< 2	2.22	0.5	15	62	44	4.42	1.44	1.48
L16N 14+50E	201	285	< 5	< 0.2	8.07	600	< 0.5	< 2	2.28	0.5	14	52	38	4.23	1.31	1.46
L16N 14+75E	201	285	< 5	< 0.2	8.23	560	< 0.5	< 2	2.00	0.5	17	61	58	4.86	1.36	1.72
L16N 15+00E	201	285	5	< 0.2	8.30	490	< 0.5	< 2	1.68	0.5	19	45	66	5.67	1.40	1.88
L16N 15+25E	201	285	< 5	< 0.2	8.26	600	< 0.5	< 2	1.97	0.5	15	55	38	4.37	1.33	1.41
L16N 15+50E	201	285	10	< 0.2	8.45	620	< 0.5	< 2	1.84	0.5	17	63	87	5.04	1.56	1.50
L16N 15+75E	201	285	< 5	< 0.2	7.81	580	< 0.5	< 2	1.93	< 0.5	15	56	55	4.27	1.35	1.33
L16N 16+00E	201	285	< 5	< 0.2	8.49	360	< 0.5	< 2	1.16	0.5	20	36	68	5.60	0.79	2.09
L16N 16+25E	201	285	< 5	< 0.2	8.05	540	< 0.5	< 2	1.89	0.5	15	46	52	4.29	1.32	1.38
L16N 16+50E	201	285	< 5	< 0.2	8.42	420	< 0.5	< 2	1.28	0.5	20	53	141	5.47	1.47	2.24
L16N 16+75E	201	285	< 5	< 0.2	8.48	720	< 0.5	< 2	2.51	< 0.5	15	56	43	4.18	1.53	1.48
L16N 17+00E	201	285	< 5	< 0.2	8.42	670	< 0.5	< 2	2.25	0.5	14	61	32	4.01	1.46	1.45
L16N 17+25E	201	285	< 5	< 0.2	8.44	530	< 0.5	< 2	1.99	0.5	17	68	94	4.90	1.28	1.80
L16N 17+50E	203	205	< 5	< 0.2	7.89	720	< 0.5	< 2	2.54	< 0.5	13	68	48	3.90	1.42	1.40
L16N 17+75E	201	285	< 5	< 0.2	8.17	670	< 0.5	< 2	2.57	< 0.5	12	71	36	3.76	1.35	1.24
L16N 18+00E	201	285	< 5	< 0.2	8.99	450	< 0.5	< 2	1.51	< 0.5	19	52	121	5.06	1.56	1.68
L16N 18+25E	201	285	10	< 0.2	9.24	400	< 0.5	< 2	1.28	0.5	21	47	168	5.19	1.35	1.90
L16N 18+50E	201	285	5	< 0.2	8.30	660	< 0.5	< 2	2.24	0.5	13	80	31	3.62	1.35	1.38
L16N 18+75E	201	285	< 5	< 0.2	8.60	730	< 0.5	< 2	2.06	0.5	15	81	59	4.14	1.61	1.32

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CERTIFICATE OF ANALYSIS A9433177

SAMPLE	PREP CODE		Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)
L15N 14+00E	201	285	775	< 1	2.82	13	1270	2	442	0.41	90	< 10	128
L15N 14+25E	201	285	515	< 1	4.48	7	760	< 2	119	0.30	117	< 10	84
L15N 14+50E	201	285	515	< 1	3.38	18	500	< 2	509	0.41	152	< 10	102
L15N 14+75E	203	205	535	< 1	2.92	26	620	< 2	693	0.40	187	< 10	80
L15N 15+00E	201	285	815	< 1	2.47	20	460	< 2	407	0.36	154	< 10	104
L15N 15+25E	201	285	600	< 1	2.68	14	620	< 2	405	0.40	113	< 10	144
L15N 15+50E	201	285	870	< 1	3.12	12	470	< 2	321	0.43	160	< 10	120
L15N 15+75E	201	285	485	< 1	2.89	11	250	< 2	311	0.42	170	< 10	100
L15N 16+00E	201	285	860	< 1	3.12	13	420	8	265	0.44	232	< 10	100
L15N 16+25E	201	285	880	< 1	2.47	24	300	< 2	66	0.28	201	< 10	122
L15N 16+50E	201	285	905	< 1	3.09	15	400	< 2	144	0.24	232	< 10	136
L15N 16+75E	201	285	750	< 1	3.25	28	360	< 2	129	0.18	220	< 10	110
L15N 17+00E	203	205	715	< 1	2.88	9	310	< 2	84	0.12	283	< 10	126
L15N 17+25E	201	285	755	< 1	3.37	12	420	< 2	208	0.24	254	< 10	120
L15N 17+50E	201	285	830	< 1	3.04	11	510	< 2	67	0.20	384	< 10	98
L15N 17+75E	201	285	540	< 1	2.80	14	330	< 2	302	0.35	167	< 10	116
L15N 18+00E	203	205	785	< 1	2.17	28	520	4	447	0.42	164	< 10	90
L15N 18+25E	201	285	465	< 1	2.85	23	450	6	636	0.43	154	< 10	70
L15N 18+50E	201	285	610	1	2.39	30	600	6	432	0.47	174	< 10	114
L15N 18+75E	203	205	710	9	1.93	41	600	28	329	0.24	201	< 10	132
L16N 14+00E	201	285	480	< 1	2.72	21	410	4	628	0.45	137	< 10	80
L16N 14+25E	201	285	455	< 1	2.81	21	430	< 2	589	0.41	187	< 10	80
L16N 14+50E	201	285	515	< 1	2.70	17	380	< 2	501	0.40	179	< 10	82
L16N 14+75E	201	285	505	< 1	2.60	20	460	< 2	465	0.39	210	< 10	82
L16N 15+00E	201	285	560	< 1	2.46	18	410	< 2	355	0.43	242	< 10	100
L16N 15+25E	201	285	450	< 1	2.56	18	320	< 2	466	0.40	177	< 10	88
L16N 15+50E	201	285	535	< 1	2.31	25	680	< 2	465	0.35	200	< 10	120
L16N 15+75E	201	285	540	< 1	2.37	19	470	< 2	457	0.37	169	< 10	96
L16N 16+00E	201	285	1000	< 1	3.07	14	640	< 2	245	0.46	237	< 10	118
L16N 16+25E	201	285	445	< 1	2.49	18	310	4	441	0.37	162	< 10	96
L16N 16+50E	201	285	615	< 1	2.17	23	470	2	299	0.31	200	< 10	96
L16N 16+75E	201	285	515	< 1	2.83	20	580	6	645	0.46	172	< 10	86
L16N 17+00E	201	285	440	< 1	2.71	19	500	6	577	0.41	160	< 10	78
L16N 17+25E	201	285	560	< 1	2.54	24	400	4	474	0.35	196	< 10	94
L16N 17+50E	203	205	480	< 1	2.70	22	770	4	669	0.34	150	< 10	62
L16N 17+75E	201	285	395	< 1	2.77	20	450	6	651	0.40	153	< 10	64
L16N 18+00E	201	285	380	< 1	2.22	21	410	2	376	0.35	213	< 10	92
L16N 18+25E	201	285	455	< 1	2.23	21	630	< 2	286	0.31	220	< 10	112
L16N 18+50E	201	285	465	< 1	2.83	25	430	6	553	0.41	153	< 10	76
L16N 18+75E	201	285	455	< 1	2.32	27	690	6	528	0.42	157	< 10	76

CERTIFICATION: Hart Bichler

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To: WESTMIN RESOURCES LTD.
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SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
L16N 19+00E	203	205	< 5	< 0.2	8.58	1120	0.5	4	0.52	< 0.5	7	21	53	3.37	1.68	0.23
L17N 11+50E	201	285	< 5	< 0.2	8.75	870	0.5	2	2.10	< 0.5	13	78	51	3.67	1.65	1.19
L17N 11+75E	203	205	< 5	< 0.2	8.52	780	0.5	2	2.53	< 0.5	12	71	27	3.29	1.30	1.08
L17N 12+00E	201	285	< 5	< 0.2	8.44	840	0.5	4	2.82	< 0.5	13	90	25	3.45	1.39	1.18
L17N 12+25E	201	285	< 5	< 0.2	8.36	630	< 0.5	4	1.94	< 0.5	10	56	24	3.49	1.19	1.08
L17N 12+50E	201	285	< 5	< 0.2	8.62	610	< 0.5	2	1.54	< 0.5	11	48	29	3.85	1.09	0.93
L17N 12+75E	201	285	< 5	< 0.2	8.50	870	0.5	4	1.72	< 0.5	8	47	21	2.73	1.76	1.02
L17N 13+00E	201	285	< 5	< 0.2	8.89	640	< 0.5	8	1.89	< 0.5	13	46	35	3.99	1.28	1.41
L17N 13+25E	201	285	< 5	< 0.2	9.13	710	< 0.5	4	1.63	< 0.5	14	46	51	4.69	1.35	1.25
L17N 13+50E	201	285	< 5	< 0.2	8.50	570	< 0.5	2	1.67	< 0.5	17	67	97	5.24	1.25	1.98
L17N 13+75E	201	285	< 5	< 0.2	8.38	660	< 0.5	4	1.85	< 0.5	17	64	70	4.91	1.31	1.78
L17N 14+00E	201	285	< 5	< 0.2	8.26	570	< 0.5	6	1.84	< 0.5	14	37	34	4.20	1.24	1.52
L17N 14+25E	201	285	< 5	< 0.2	8.53	570	< 0.5	6	1.83	< 0.5	19	56	56	5.39	1.37	2.07
L17N 14+50E	201	285	< 5	< 0.2	8.19	510	< 0.5	< 2	1.25	< 0.5	21	43	95	5.80	1.34	2.30
L17N 14+75E	201	285	< 5	< 0.2	8.09	470	< 0.5	< 2	1.29	< 0.5	19	37	68	5.26	1.31	2.11
L17N 15+00E	201	285	< 5	< 0.2	8.10	560	< 0.5	< 2	1.73	< 0.5	16	48	52	4.33	1.31	1.57
L17N 15+25E	201	285	< 5	< 0.2	8.76	580	< 0.5	4	1.95	< 0.5	18	61	68	5.24	1.40	1.81
L17N 15+50E	201	285	< 5	< 0.2	8.33	600	< 0.5	2	1.44	< 0.5	20	60	81	5.34	1.48	1.98
L17N 15+75E	201	285	< 5	< 0.2	8.52	510	< 0.5	< 2	1.54	< 0.5	18	44	44	4.98	1.52	1.92
L17N 16+00E	201	285	< 5	< 0.2	8.92	350	< 0.5	2	0.93	< 0.5	23	35	86	6.42	1.75	2.22
L17N 16+25E	201	285	< 5	< 0.2	9.08	490	< 0.5	2	1.64	< 0.5	24	40	200	6.27	1.60	2.79
L17N 16+50E	201	285	< 5	< 0.2	8.29	390	< 0.5	< 2	1.08	< 0.5	19	33	86	5.45	1.61	1.95
L17N 16+75E	201	285	< 5	< 0.2	8.14	470	< 0.5	< 2	1.43	< 0.5	17	44	68	5.14	1.53	1.70
L17N 17+00E	201	285	< 5	< 0.2	>25.0	1720	< 0.5	10	5.56	0.5	78	187	476	23.2	5.70	7.50
L17N 17+25E	201	285	< 5	< 0.2	8.39	490	< 0.5	4	1.58	< 0.5	19	49	56	4.64	1.51	1.91
L17N 17+50E	201	285	< 5	< 0.2	8.79	710	< 0.5	4	2.73	< 0.5	14	81	50	4.16	1.46	1.50
L17N 17+75E	201	285	< 5	< 0.2	8.78	730	< 0.5	2	2.72	< 0.5	14	84	40	3.93	1.52	1.43
L17N 18+00E	201	285	< 5	< 0.2	7.98	550	< 0.5	< 2	2.26	< 0.5	15	70	67	4.62	1.26	1.62
L17N 18+25E	201	285	< 5	< 0.2	8.19	600	< 0.5	2	2.01	< 0.5	16	69	73	4.32	1.40	1.52
L17N 18+50E	201	285	< 5	< 0.2	8.39	740	< 0.5	4	2.66	< 0.5	13	83	33	3.55	1.44	1.31
L17N 18+75E	201	285	< 5	< 0.2	7.84	530	0.5	2	2.00	< 0.5	9	38	20	2.76	1.08	0.86
L17N 19+00E	201	285	< 5	< 0.2	8.09	580	0.5	6	2.02	< 0.5	9	37	22	2.74	1.25	0.87
L18N 11+50E	201	285	< 5	< 0.2	8.60	650	< 0.5	4	1.89	< 0.5	15	66	48	4.39	1.30	1.39
L18N 11+75E	201	285	< 5	< 0.2	8.68	610	< 0.5	12	2.07	< 0.5	16	69	48	4.66	1.28	1.50
L18N 12+00E	201	285	< 5	< 0.2	8.36	630	< 0.5	4	2.15	< 0.5	14	60	47	4.19	1.21	1.28
L18N 12+25E	201	285	< 5	< 0.2	8.78	700	< 0.5	8	2.27	< 0.5	16	57	37	4.25	1.27	1.22
L18N 12+50E	201	285	< 5	< 0.2	8.38	660	< 0.5	4	2.01	< 0.5	16	61	52	4.77	1.26	1.46
L18N 12+75E	201	285	< 5	< 0.2	8.37	750	< 0.5	< 2	2.08	< 0.5	14	78	49	4.26	1.41	1.41
L18N 13+00E	201	285	< 5	< 0.2	8.16	590	< 0.5	< 2	2.03	< 0.5	11	50	26	3.54	1.25	1.10
L18N 13+25E	201	285	< 5	< 0.2	8.29	660	< 0.5	< 2	2.11	< 0.5	11	53	29	3.44	1.29	1.12

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L16N 19+00E	203	205	560	1	2.91	4	790	6	242	0.13	80	< 10	86
L17N 11+50E	201	285	470	< 1	2.65	23	510	8	608	0.48	138	< 10	72
L17N 11+75E	203	205	500	1	2.83	21	810	6	689	0.39	100	< 10	78
L17N 12+00E	201	285	435	< 1	2.90	24	620	8	832	0.38	118	< 10	60
L17N 12+25E	201	285	410	< 1	3.15	17	500	8	514	0.38	114	< 10	70
L17N 12+50E	201	285	515	2	3.51	16	520	6	410	0.39	114	< 10	86
L17N 12+75E	201	285	345	1	2.34	15	460	10	459	0.27	82	< 10	64
L17N 13+00E	201	285	580	< 1	2.79	15	390	6	405	0.42	136	< 10	96
L17N 13+25E	201	285	755	< 1	3.52	17	480	4	369	0.41	156	< 10	104
L17N 13+50E	201	285	530	< 1	2.36	23	480	2	327	0.39	217	< 10	80
L17N 13+75E	201	285	570	< 1	2.53	25	420	< 2	360	0.40	200	< 10	80
L17N 14+00E	201	285	565	< 1	2.75	13	370	2	342	0.42	162	< 10	100
L17N 14+25E	201	285	515	< 1	2.68	20	380	< 2	393	0.44	243	< 10	86
L17N 14+50E	201	285	615	< 1	2.39	21	250	< 2	201	0.41	248	< 10	88
L17N 14+75E	201	285	605	< 1	2.41	16	280	< 2	226	0.38	226	< 10	90
L17N 15+00E	201	285	620	< 1	2.62	18	390	< 2	351	0.39	163	< 10	82
L17N 15+25E	201	285	540	1	2.73	22	350	4	404	0.45	208	< 10	96
L17N 15+50E	201	285	540	< 1	2.34	24	440	< 2	316	0.42	209	< 10	92
L17N 15+75E	201	285	470	< 1	2.67	16	240	< 2	333	0.43	205	< 10	86
L17N 16+00E	201	285	375	< 1	2.50	16	250	< 2	216	0.37	280	< 10	92
L17N 16+25E	201	285	895	< 1	2.59	17	300	< 2	198	0.48	362	< 10	102
L17N 16+50E	201	285	395	< 1	2.51	15	270	< 2	246	0.36	233	< 10	84
L17N 16+75E	201	285	420	< 1	2.57	18	390	< 2	341	0.40	212	< 10	84
L17N 17+00E	201	285	2250	< 1	8.66	82	2300	< 2	1145	1.50	882	< 10	370
L17N 17+25E	201	285	435	< 1	2.63	17	370	< 2	383	0.36	174	< 10	82
L17N 17+50E	201	285	440	< 1	3.03	25	440	< 2	721	0.43	163	< 10	64
L17N 17+75E	201	285	440	< 1	3.18	22	410	< 2	713	0.44	155	< 10	66
L17N 18+00E	201	285	460	< 1	2.68	22	590	< 2	545	0.41	179	< 10	64
L17N 18+25E	201	285	455	< 1	2.72	23	520	< 2	497	0.40	168	< 10	82
L17N 18+50E	201	285	435	1	3.00	23	420	< 2	681	0.42	146	< 10	68
L17N 18+75E	201	285	510	< 1	2.94	13	580	< 2	443	0.37	83	< 10	70
L17N 19+00E	201	285	505	< 1	2.74	16	510	4	442	0.37	81	< 10	116
L18N 11+50E	201	285	560	1	2.85	24	630	< 2	472	0.41	157	< 10	88
L18N 11+75E	201	285	545	< 1	2.93	24	530	< 2	464	0.43	172	< 10	92
L18N 12+00E	201	285	500	< 1	2.83	21	540	< 2	528	0.40	152	< 10	72
L18N 12+25E	201	285	530	< 1	3.11	22	460	< 2	601	0.41	153	< 10	76
L18N 12+50E	201	285	580	< 1	3.26	21	550	< 2	523	0.41	179	< 10	70
L18N 12+75E	201	285	595	< 1	2.53	26	500	4	532	0.43	148	< 10	74
L18N 13+00E	201	285	560	< 1	2.82	18	420	< 2	452	0.41	117	< 10	90
L18N 13+25E	201	285	545	< 1	2.96	19	550	< 2	503	0.40	117	< 10	98

CERTIFICATION: Hart Bichler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
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PHONE: 604-984-0221

To: WESTMIN RESOURCES LTD.

P.O. Box 49066, The Bentall Centre
VANCOUVER, BC
V7X 1C4

Project : 6107
Comments: ATTN: MURRAY JONES

Certificate Date: 09-JAN-95
Invoice No. : I9433177
P.O. Number :
Account :GP

CERTIFICATE OF ANALYSIS A9433177

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
L18N 13+50E	201	285	< 5	< 0.2	8.74	700	0.5	< 2	2.13	< 0.5	17	76	56	4.49	1.37	1.73
L18N 13+75E	201	285	< 5	< 0.2	8.17	620	0.5	< 2	1.67	< 0.5	16	46	39	4.62	1.23	1.73
L18N 14+00E	201	285	< 5	< 0.2	8.11	610	0.5	< 2	1.85	< 0.5	17	54	45	4.55	1.24	1.70
L18N 14+25E	201	285	< 5	< 0.2	8.18	630	0.5	< 2	1.90	< 0.5	12	37	29	3.45	1.19	1.08
L18N 14+50E	201	285	< 5	< 0.2	8.64	770	0.5	< 2	1.72	< 0.5	14	41	40	4.19	1.28	1.43
L18N 14+75E	201	285	< 5	< 0.2	8.26	600	0.5	< 2	1.64	< 0.5	16	47	33	4.17	1.15	1.75
L18N 15+00E	201	285	< 5	< 0.2	8.72	600	0.5	< 2	1.84	< 0.5	17	49	41	4.49	1.20	1.88
L18N 15+25E	201	285	< 5	< 0.2	8.04	470	0.5	< 2	1.40	< 0.5	15	21	34	4.47	0.87	1.33
L18N 15+50E	201	285	< 5	< 0.2	8.66	630	0.5	< 2	1.89	< 0.5	14	41	37	4.02	1.29	1.44
L18N 15+75E	201	285	< 5	< 0.2	8.24	630	0.5	< 2	1.74	< 0.5	15	39	34	4.11	1.24	1.42
L18N 16+00E	201	285	< 5	< 0.2	8.52	610	0.5	< 2	1.79	< 0.5	16	40	37	4.44	1.20	1.53
L18N 16+25E	201	285	< 5	< 0.2	8.50	540	0.5	< 2	1.27	< 0.5	19	31	51	5.15	1.44	1.85
L18N 16+50E	201	285	< 5	< 0.2	8.70	540	0.5	< 2	1.84	< 0.5	18	35	73	4.88	1.34	1.61
L18N 16+75E	201	285	< 5	< 0.2	9.79	550	0.5	< 2	1.98	< 0.5	25	40	90	6.17	1.18	2.31
L18N 17+00E	201	285	< 5	< 0.2	8.04	450	< 0.5	< 2	1.32	< 0.5	17	26	66	4.87	1.26	1.89
L18N 17+25E	201	285	< 5	< 0.2	8.48	430	< 0.5	< 2	1.54	< 0.5	21	40	92	5.62	1.46	1.88
L18N 17+50E	201	285	10	< 0.2	8.21	400	< 0.5	< 2	1.07	< 0.5	20	29	169	4.87	1.59	2.02
L18N 17+75E	201	285	< 5	< 0.2	8.59	440	0.5	< 2	1.59	< 0.5	17	24	98	4.13	1.39	1.53
L18N 18+00E	201	285	< 5	< 0.2	8.30	640	0.5	< 2	2.03	< 0.5	13	43	48	3.60	1.30	1.18
L18N 18+25E	201	285	< 5	< 0.2	8.35	700	0.5	< 2	2.04	< 0.5	12	56	34	3.47	1.43	1.25
L18N 18+50E	201	285	< 5	< 0.2	8.49	680	0.5	< 2	2.46	< 0.5	12	62	27	3.18	1.38	1.11
L18N 18+75E	201	285	< 5	< 0.2	8.43	490	1.0	< 2	2.39	< 0.5	11	37	21	3.09	1.10	0.95
L18N 19+00E	201	285	< 5	< 0.2	8.51	710	1.0	< 2	1.91	< 0.5	13	56	39	3.44	1.42	1.27
L19N 12+00E	203	205	< 5	< 0.2	9.06	950	0.5	< 2	2.92	< 0.5	15	91	37	3.81	1.65	1.25
L19N 12+25E	203	205	< 5	< 0.2	9.03	1020	0.5	< 2	2.84	< 0.5	15	75	33	3.43	1.69	1.09
L19N 12+50E	201	285	< 5	< 0.2	8.66	880	0.5	< 2	2.86	< 0.5	13	86	23	3.22	1.37	1.09
L19N 12+75E	201	285	< 5	< 0.2	9.31	950	0.5	< 2	3.01	< 0.5	14	104	26	3.55	1.50	1.17
L19N 13+00E	201	285	< 5	< 0.2	9.37	940	0.5	< 2	3.22	< 0.5	12	95	23	3.24	1.46	1.13
L19N 13+25E	201	285	< 5	< 0.2	9.34	960	0.5	< 2	3.03	< 0.5	13	125	28	3.20	1.41	1.18
L19N 13+50E	201	285	< 5	< 0.2	8.63	830	0.5	< 2	2.17	< 0.5	16	86	45	3.75	1.57	1.41
L19N 13+75E	201	285	< 5	< 0.2	8.89	880	0.5	< 2	2.86	< 0.5	16	94	30	3.48	1.43	1.27
L19N 14+00E	201	285	< 5	< 0.2	8.90	820	0.5	< 2	2.29	< 0.5	15	78	37	3.88	1.55	1.46
L19N 14+25E	201	285	< 5	< 0.2	8.78	600	0.5	< 2	1.92	< 0.5	16	39	35	3.96	1.32	1.36
L19N 14+50E	201	285	< 5	< 0.2	8.72	420	0.5	< 2	0.97	< 0.5	20	31	103	5.28	1.24	1.80
L19N 14+75E	201	285	< 5	< 0.2	7.18	530	< 0.5	< 2	1.18	< 0.5	15	22	52	4.06	0.87	1.74
L19N 15+00E	201	285	< 5	< 0.2	9.72	710	0.5	< 2	1.48	< 0.5	18	39	42	5.21	1.33	1.61
L19N 15+25E	201	285	< 5	< 0.2	8.55	600	0.5	< 2	2.11	< 0.5	13	40	32	3.46	1.36	1.10
L19N 15+50E	201	285	< 5	< 0.2	8.40	710	0.5	< 2	1.85	< 0.5	13	28	23	3.27	1.42	0.92
L19N 15+75E	201	285	< 5	< 0.2	7.83	730	0.5	< 2	1.66	< 0.5	13	41	42	3.61	1.34	1.17
L19N 16+00E	201	285	< 5	< 0.2	8.27	680	0.5	< 2	1.86	< 0.5	18	89	53	4.85	1.32	1.09

CERTIFICATION: Hart Bichler

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To: WESTMIN RESOURCES LTD.

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CERTIFICATE OF ANALYSIS A9433177

SAMPLE	PREP CODE		Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)
L18N 13+50E	201	285	525	< 1	2.49	26	430	4	480	0.44	174	< 10	84
L18N 13+75E	201	285	525	< 1	2.79	15	370	< 2	350	0.40	198	< 10	78
L18N 14+00E	201	285	620	< 1	2.61	19	500	4	366	0.40	179	< 10	86
L18N 14+25E	201	285	570	< 1	2.56	15	530	6	385	0.40	114	< 10	94
L18N 14+50E	201	285	675	1	2.52	17	590	4	332	0.39	151	< 10	104
L18N 14+75E	201	285	680	1	2.73	17	540	4	292	0.38	160	< 10	102
L18N 15+00E	201	285	640	2	2.68	17	570	4	368	0.42	173	< 10	96
L18N 15+25E	201	285	810	< 1	3.35	7	860	2	205	0.42	121	< 10	128
L18N 15+50E	201	285	675	1	2.58	18	860	6	354	0.42	135	< 10	110
L18N 15+75E	201	285	700	1	2.40	16	690	4	335	0.42	143	< 10	100
L18N 16+00E	201	285	600	1	2.41	18	880	6	350	0.45	154	< 10	122
L18N 16+25E	201	285	685	1	2.28	15	510	2	235	0.40	193	< 10	116
L18N 16+50E	201	285	580	1	2.56	19	750	< 2	327	0.45	162	< 10	132
L18N 16+75E	201	285	950	< 1	2.87	18	780	< 2	322	0.53	245	< 10	156
L18N 17+00E	201	285	485	< 1	2.20	14	420	< 2	247	0.38	222	10	92
L18N 17+25E	201	285	525	< 1	2.31	18	390	< 2	300	0.40	228	< 10	86
L18N 17+50E	201	285	390	< 1	2.03	17	330	< 2	235	0.29	181	10	94
L18N 17+75E	201	285	555	< 1	2.31	14	830	4	301	0.41	127	< 10	112
L18N 18+00E	201	285	445	< 1	2.42	18	780	6	458	0.40	115	< 10	100
L18N 18+25E	201	285	540	1	2.48	20	480	6	473	0.45	117	< 10	94
L18N 18+50E	201	285	455	< 1	2.63	20	480	6	588	0.40	110	< 10	90
L18N 18+75E	201	285	560	1	2.73	13	950	6	461	0.40	82	< 10	96
L18N 19+00E	201	285	600	< 1	2.46	19	380	6	445	0.44	119	< 10	96
L19N 12+00E	203	205	560	1	2.84	29	640	8	858	0.44	139	< 10	72
L19N 12+25E	203	205	435	< 1	2.90	25	610	10	921	0.41	118	< 10	64
L19N 12+50E	201	285	370	< 1	2.75	23	360	8	893	0.44	123	< 10	62
L19N 12+75E	201	285	420	< 1	2.94	30	370	8	927	0.50	135	< 10	68
L19N 13+00E	201	285	390	< 1	3.07	25	330	8	988	0.46	126	< 10	60
L19N 13+25E	201	285	370	< 1	2.94	28	430	10	944	0.45	116	< 10	66
L19N 13+50E	201	285	455	< 1	2.29	27	430	8	579	0.45	136	< 10	76
L19N 13+75E	201	285	490	< 1	2.84	26	440	8	850	0.46	140	< 10	72
L19N 14+00E	201	285	495	< 1	2.66	26	530	6	612	0.45	149	< 10	80
L19N 14+25E	201	285	620	< 1	2.77	13	900	6	438	0.41	136	< 10	94
L19N 14+50E	201	285	505	< 1	2.59	12	260	2	200	0.31	187	< 10	78
L19N 14+75E	201	285	405	< 1	2.02	9	170	6	288	0.27	165	< 10	60
L19N 15+00E	201	285	680	3	3.86	14	530	4	303	0.48	174	< 10	98
L19N 15+25E	201	285	670	2	2.60	13	440	8	409	0.42	105	< 10	88
L19N 15+50E	201	285	665	< 1	2.66	16	750	6	370	0.40	98	< 10	106
L19N 15+75E	201	285	620	2	2.08	25	750	6	325	0.39	116	< 10	120
L19N 16+00E	201	285	500	1	2.20	29	840	8	455	0.51	155	< 10	126

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Project : 6107
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Page Num :4-A
Total Pages :4
Certificate Date: 09-JAN-95
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CERTIFICATE OF ANALYSIS A9433177

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
L19N 16+25E	201	285	< 5	< 0.2	8.32	550	0.5	< 2	1.75	< 0.5	15	34	41	4.27	1.19	1.42
L19N 16+50E	201	285	< 5	< 0.2	8.62	560	0.5	< 2	1.70	< 0.5	18	21	66	4.40	1.44	1.58
L19N 16+75E	201	285	10	< 0.2	8.22	440	0.5	< 2	1.59	< 0.5	19	30	68	4.84	1.15	1.77
L19N 17+00E	201	285	5	< 0.2	9.25	330	< 0.5	< 2	0.78	< 0.5	19	26	90	5.50	1.71	1.36
L19N 17+25E	201	285	15	< 0.2	8.42	410	0.5	< 2	1.29	< 0.5	18	26	82	4.90	1.55	1.28
L19N 17+50E	201	285	< 5	< 0.2	8.95	340	0.5	< 2	1.68	< 0.5	18	18	79	4.13	1.19	1.64
L19N 17+75E	201	285	< 5	< 0.2	8.14	520	0.5	< 2	1.72	< 0.5	16	43	63	3.78	1.22	1.61
L19N 18+00E	201	285	< 5	< 0.2	8.49	600	1.0	< 2	2.01	< 0.5	11	27	38	2.93	1.39	0.84
L19N 18+25E	201	285	< 5	< 0.2	7.88	540	0.5	< 2	2.01	< 0.5	10	44	20	2.93	1.04	0.87
L19N 18+50E	201	285	< 5	< 0.2	8.25	680	0.5	< 2	1.99	< 0.5	11	53	33	3.18	1.34	1.06
L19N 18+75E	201	285	< 5	< 0.2	8.22	730	0.5	< 2	2.20	< 0.5	14	60	48	3.54	1.42	1.14
L19N 19+00E	201	285	< 5	< 0.2	7.40	630	0.5	< 2	1.92	< 0.5	10	41	30	2.69	1.38	0.89
L20N 14+00E	201	285	< 5	< 0.2	8.76	760	0.5	< 2	2.68	< 0.5	14	77	32	3.42	1.30	1.23
L20N 14+25E	201	285	< 5	< 0.2	8.90	840	0.5	< 2	2.91	< 0.5	14	85	27	3.53	1.43	1.30
L20N 14+50E	201	285	< 5	< 0.2	9.19	770	0.5	< 2	3.39	< 0.5	16	73	23	3.84	1.12	1.41
L20N 14+75E	201	285	< 5	< 0.2	9.01	760	0.5	< 2	3.16	< 0.5	15	75	24	3.87	1.16	1.35
L20N 15+00E	201	285	< 5	< 0.2	9.04	670	0.5	< 2	3.28	< 0.5	14	60	22	3.41	1.15	1.32
L20N 15+25E	201	285	< 5	< 0.2	9.12	690	0.5	< 2	3.08	< 0.5	14	62	24	3.47	1.17	1.25
L20N 15+50E	201	285	< 5	< 0.2	8.63	700	0.5	< 2	3.25	< 0.5	15	73	19	3.70	1.19	1.35
L20N 15+75E	203	205	< 5	< 0.2	9.50	820	< 0.5	< 2	3.33	< 0.5	12	79	21	4.05	1.36	1.37
L20N 16+00E	201	285	< 5	< 0.2	9.61	770	0.5	< 2	3.20	< 0.5	13	78	21	3.49	1.23	1.34

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SAMPLE	PREP CODE		Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)
L19N 16+25E	201	285	615	2	2.42	16	450	6	322	0.44	145	< 10	100
L19N 16+50E	201	285	585	< 1	2.66	13	610	6	297	0.46	122	< 10	118
L19N 16+75E	201	285	515	< 1	2.41	14	290	< 2	290	0.41	182	< 10	102
L19N 17+00E	201	285	245	< 1	2.46	15	220	< 2	171	0.29	224	< 10	90
L19N 17+25E	201	285	465	1	2.04	15	320	4	268	0.34	165	< 10	122
L19N 17+50E	201	285	545	1	2.46	14	760	4	306	0.40	119	< 10	122
L19N 17+75E	201	285	565	< 1	2.16	17	510	4	375	0.37	131	< 10	86
L19N 18+00E	201	285	590	1	2.46	14	1840	8	397	0.39	73	< 10	150
L19N 18+25E	201	285	465	< 1	2.71	15	680	4	438	0.39	95	< 10	88
L19N 18+50E	201	285	475	< 1	2.42	18	510	4	459	0.42	104	< 10	108
L19N 18+75E	201	285	625	< 1	2.29	19	410	6	525	0.43	120	< 10	80
L19N 19+00E	201	285	515	< 1	2.12	15	530	8	422	0.37	81	< 10	124
L20N 14+00E	201	285	440	1	2.46	24	620	8	721	0.43	118	< 10	82
L20N 14+25E	201	285	430	< 1	2.64	27	440	6	798	0.48	135	< 10	66
L20N 14+50E	201	285	490	1	2.62	26	520	6	906	0.48	140	< 10	74
L20N 14+75E	201	285	450	< 1	2.54	24	500	6	834	0.47	137	< 10	74
L20N 15+00E	201	285	435	1	2.64	22	820	6	821	0.43	114	< 10	76
L20N 15+25E	201	285	470	< 1	2.58	23	800	6	765	0.45	111	< 10	90
L20N 15+50E	201	285	465	< 1	2.61	23	510	4	823	0.47	136	< 10	66
L20N 15+75E	203	205	420	1	2.88	27	340	6	966	0.44	140	< 10	66
L20N 16+00E	201	285	435	1	2.85	24	450	6	853	0.47	116	< 10	68

CERTIFICATION: Hart Bichler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: WESTMIN RESOURCES LTD.

P.O. Box 49066, The Bentall Centre
VANCOUVER, BC
V7X 1C4

A9417321

Comments: ATTN: MURRAY JONES

CERTIFICATE A9417321

WESTMIN RESOURCES LTD.

Project:
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 12-JUN-94.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201	261	Dry, sieve to -80 mesh
285	261	ICP - HF digestion charge

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
578	261	Ag ppm: 24 element, rock & core	AAS	0.2	100.0
573	261	Al %: 24 element, rock & core	ICP-AES	0.01	25.0
565	261	Ba ppm: 24 element, rock & core	ICP-AES	10	10000
575	261	Be ppm: 24 element, rock & core	ICP-AES	0.5	10000
561	261	Bi ppm: 24 element, rock & core	ICP-AES	2	10000
576	261	Ca %: 24 element, rock & core	ICP-AES	0.01	25.0
562	261	Cd ppm: 24 element, rock & core	ICP-AES	0.5	10000
563	261	Co ppm: 24 element, rock & core	ICP-AES	1	10000
569	261	Cr ppm: 24 element, rock & core	ICP-AES	1	10000
577	261	Cu ppm: 24 element, rock & core	ICP-AES	1	10000
566	261	Fe %: 24 element, rock & core	ICP-AES	0.01	25.0
584	261	K %: 24 element, rock & core	ICP-AES	0.01	20.0
570	261	Mg %: 24 element, rock & core	ICP-AES	0.01	20.0
568	261	Mn ppm: 24 element, rock & core	ICP-AES	5	10000
554	261	Mo ppm: 24 element, rock & core	ICP-AES	1	10000
583	261	Na %: 24 element, rock & core	ICP-AES	0.01	5.00
564	261	Ni ppm: 24 element, rock & core	ICP-AES	1	10000
559	261	P ppm: 24 element, rock & core	ICP-AES	10	10000
560	261	Pb ppm: 24 element, rock & core	AAS	2	10000
582	261	Sr ppm: 24 element, rock & core	ICP-AES	1	10000
579	261	Ti %: 24 element, rock & core	ICP-AES	0.01	10.00
572	261	V ppm: 24 element, rock & core	ICP-AES	1	10000
556	261	W ppm: 24 element, rock & core	ICP-AES	10	10000
558	261	Zn ppm: 24 element, rock & core	ICP-AES	2	10000

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Project :
Comments: ATTN: MURRAY JONES

Page Nu :1-A
Total Pages :7
Certificate Date: 12-JUN-94
Invoice No. :19417321
P.O. Number :
Account :GP

CERTIFICATE OF ANALYSIS A9417321

SAMPLE	PREP CODE		Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)	Mn ppm (ICP)
L-0 06+00W	201	285	< 0.2	8.59	590	< 0.5	< 2	1.72	< 0.5	15	75	61	4.24	1.25	1.74	740
L-0 06+25W	201	285	< 0.2	8.08	340	< 0.5	< 2	1.80	< 0.5	11	48	28	3.86	0.75	1.72	875
L-0 06+50W	201	285	< 0.2	8.30	500	< 0.5	< 2	1.68	< 0.5	13	67	60	4.23	1.13	1.67	800
L-0 06+75W	201	285	< 0.2	8.01	540	< 0.5	< 2	1.93	< 0.5	11	56	28	3.55	1.06	1.41	775
L-0 07+00W	201	285	< 0.2	7.86	400	< 0.5	< 2	1.89	< 0.5	11	57	41	3.80	0.86	1.57	740
L-0 07+25W	201	285	< 0.2	7.05	150	< 0.5	< 2	1.77	< 0.5	8	34	23	3.47	0.43	1.55	830
L-0 07+50W	201	285	< 0.2	7.37	260	< 0.5	< 2	1.86	< 0.5	9	42	28	3.50	0.60	1.43	815
L-0 07+75W	201	285	< 0.2	7.91	390	< 0.5	< 2	1.72	< 0.5	12	57	42	3.83	0.89	1.54	915
L-0 08+00W	201	285	< 0.2	7.64	370	< 0.5	< 2	1.84	< 0.5	11	46	29	3.54	0.80	1.48	955
L-0 08+25W	201	285	< 0.2	8.18	430	< 0.5	< 2	1.71	< 0.5	13	67	45	4.35	0.93	2.04	745
L-0 08+50W	201	285	< 0.2	8.00	340	< 0.5	< 2	1.77	< 0.5	11	52	35	3.99	0.75	1.91	895
L-0 08+75W	201	285	< 0.2	7.93	470	< 0.5	< 2	1.61	< 0.5	13	55	54	3.89	1.06	1.45	900
L-0 09+00W	201	285	< 0.2	7.64	170	< 0.5	< 2	1.67	< 0.5	11	47	45	4.14	0.42	2.17	985
L-0 09+25W	201	285	< 0.2	7.82	270	< 0.5	< 2	1.53	< 0.5	10	35	21	3.66	0.70	1.62	880
L-0 09+50W	201	285	< 0.2	7.67	160	< 0.5	< 2	1.82	< 0.5	12	43	26	4.31	0.43	2.29	1050
L-0 09+75W	201	285	< 0.2	7.87	280	< 0.5	< 2	1.91	< 0.5	11	50	21	4.19	0.62	2.15	1030
L-0 10+00W	201	285	< 0.2	7.65	120	< 0.5	< 2	1.76	< 0.5	12	40	25	4.57	0.41	2.35	1100
L-0 10+25W	201	285	< 0.2	9.58	220	< 0.5	2	2.12	< 0.5	15	59	34	5.58	0.66	3.01	1270
L-0 10+50W	201	285	< 0.2	6.72	220	< 0.5	< 2	1.42	< 0.5	7	35	20	3.27	0.49	1.66	720
L-0 10+75W	201	285	< 0.2	7.55	310	< 0.5	< 2	1.72	< 0.5	9	47	29	3.58	0.62	1.79	820
L-0 11+00W	201	285	< 0.2	7.51	370	< 0.5	< 2	1.71	< 0.5	10	47	33	3.71	0.69	1.60	720
L-0 11+25W	201	285	< 0.2	7.28	320	< 0.5	< 2	1.80	< 0.5	8	43	23	3.42	0.62	1.53	700
L-0 11+50W	201	285	< 0.2	6.84	230	< 0.5	< 2	1.61	< 0.5	7	35	18	3.27	0.45	1.57	720
L-0 11+75W	201	285	< 0.2	7.09	190	< 0.5	< 2	1.62	< 0.5	8	37	24	3.49	0.41	1.72	790
L-0 12+00W	201	285	< 0.2	7.20	240	< 0.5	< 2	1.75	< 0.5	8	37	19	3.35	0.46	1.53	765
L-2N 04+00W	201	285	0.8	7.62	310	< 0.5	< 2	1.68	< 0.5	11	30	61	4.38	0.77	1.78	905
L-2N 04+25W	201	285	0.6	7.56	230	< 0.5	< 2	2.32	< 0.5	12	53	52	4.70	0.50	2.57	1180
L-2N 04+50W	201	285	0.4	7.97	320	< 0.5	< 2	2.46	< 0.5	14	64	38	3.97	0.65	2.11	1050
L-2N 04+75W	201	285	< 0.2	8.38	310	< 0.5	< 2	1.69	< 0.5	20	60	128	4.77	0.95	2.98	635
L-2N 05+00W	201	285	< 0.2	7.28	100	< 0.5	< 2	1.78	< 0.5	4	27	176	7.28	0.33	3.02	1975
L-2N 05+25W	201	285	< 0.2	6.35	120	< 0.5	< 2	0.71	< 0.5	5	21	30	3.29	0.26	1.39	545
L-2N 05+50W	201	285	0.4	7.81	220	< 0.5	< 2	1.12	< 0.5	10	58	106	4.34	0.47	1.88	705
L-2N 05+75W	201	285	< 0.2	7.83	330	< 0.5	< 2	1.34	< 0.5	15	41	38	3.75	0.58	1.52	835
L-2N 06+00W	201	285	< 0.2	7.02	280	< 0.5	< 2	0.31	< 0.5	3	14	19	3.31	0.75	1.55	540
L-2N 06+25W	201	285	< 0.2	7.34	180	< 0.5	< 2	1.06	< 0.5	8	39	28	3.83	0.56	1.88	695
L-2N 06+50W	201	285	< 0.2	6.88	120	0.5	< 2	0.81	< 0.5	1	10	10	1.70	0.38	0.70	275
L-2N 06+75W	201	285	< 0.2	7.17	410	0.5	< 2	0.28	< 0.5	1	13	7	1.92	1.25	0.59	235
L-2N 07+00W	201	285	< 0.2	8.19	130	< 0.5	< 2	0.65	< 0.5	29	66	159	9.23	0.37	3.53	945
L-2N 07+25W	201	285	< 0.2	9.17	460	< 0.5	< 2	2.66	< 0.5	13	60	49	3.71	0.62	1.75	625
L-2N 07+50W	201	285	< 0.2	8.06	150	< 0.5	< 2	1.23	< 0.5	9	51	46	4.97	0.44	2.62	895

CERTIFICATION: [signature]

Chemex Labs Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: WESTMIN RESOURCES LTD.
P.O. Box 49066, The Bentall Centre
VANCOUVER, BC
V7X 1C4

Project :
Comments: ATTN: MURRAY JONES

Certificate Date: 12-JUN-94
Invoice No. : I9417321
P.O. Number :
Account : GP

CERTIFICATE OF ANALYSIS A9417321

SAMPLE	PREP CODE		Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)
L-0 06+00W	201	285	< 1	2.12	25	410	6	349	0.41	133	< 10	114
L-0 06+25W	201	285	< 1	2.79	15	520	< 2	238	0.44	117	< 10	116
L-0 06+50W	201	285	< 1	2.21	22	570	4	279	0.42	131	< 10	104
L-0 06+75W	201	285	< 1	2.65	18	560	< 2	344	0.44	114	< 10	112
L-0 07+00W	201	285	< 1	2.55	17	680	< 2	268	0.43	119	< 10	96
L-0 07+25W	201	285	< 1	2.78	10	550	< 2	173	0.45	96	< 10	82
L-0 07+50W	201	285	< 1	2.81	13	560	< 2	224	0.46	105	< 10	86
L-0 07+75W	201	285	< 1	2.47	19	530	< 2	261	0.41	112	< 10	122
L-0 08+00W	201	285	< 1	2.60	17	500	< 2	257	0.43	102	< 10	118
L-0 08+25W	201	285	< 1	2.54	21	540	< 2	266	0.40	138	< 10	96
L-0 08+50W	201	285	< 1	2.79	15	520	< 2	240	0.44	120	< 10	146
L-0 08+75W	201	285	1	2.16	22	550	< 2	240	0.38	112	< 10	114
L-0 09+00W	201	285	< 1	2.79	15	390	< 2	159	0.45	127	< 10	152
L-0 09+25W	201	285	< 1	2.87	12	620	< 2	167	0.38	94	< 10	108
L-0 09+50W	201	285	< 1	2.74	12	450	< 2	166	0.44	128	< 10	116
L-0 09+75W	201	285	< 1	2.73	14	660	< 2	225	0.48	133	< 10	114
L-0 10+00W	201	285	< 1	2.70	11	410	< 2	142	0.48	134	< 10	106
L-0 10+25W	201	285	< 1	3.13	18	620	< 2	204	0.51	167	< 10	140
L-0 10+50W	201	285	< 1	2.57	12	250	< 2	156	0.35	95	< 10	80
L-0 10+75W	201	285	< 1	2.76	14	370	< 2	223	0.40	110	< 10	98
L-0 11+00W	201	285	< 1	2.47	15	650	4	245	0.37	112	< 10	80
L-0 11+25W	201	285	< 1	2.72	13	390	< 2	234	0.38	105	< 10	74
L-0 11+50W	201	285	< 1	2.66	10	310	< 2	165	0.34	96	< 10	76
L-0 11+75W	201	285	< 1	2.81	11	230	< 2	151	0.36	100	< 10	82
L-0 12+00W	201	285	< 1	2.79	12	400	< 2	185	0.40	96	< 10	78
L-2N 04+00W	201	285	1	2.95	13	400	6	230	0.72	156	< 10	702
L-2N 04+25W	201	285	< 1	2.86	13	510	< 2	190	0.63	198	10	490
L-2N 04+50W	201	285	< 1	2.94	18	700	< 2	268	0.49	134	< 10	426
L-2N 04+75W	201	285	< 1	2.42	20	300	< 2	215	0.36	143	< 10	240
L-2N 05+00W	201	285	< 1	2.50	7	810	< 2	168	0.86	187	10	528
L-2N 05+25W	201	285	< 1	2.99	6	240	< 2	100	0.26	62	< 10	102
L-2N 05+50W	201	285	< 1	2.71	17	430	< 2	168	0.37	97	< 10	156
L-2N 05+75W	201	285	1	2.81	15	690	4	208	0.37	90	< 10	194
L-2N 06+00W	201	285	< 1	2.98	4	220	< 2	47	0.15	56	< 10	138
L-2N 06+25W	201	285	< 1	2.83	12	350	< 2	139	0.36	84	< 10	90
L-2N 06+50W	201	285	< 1	4.02	3	110	< 2	89	0.17	18	< 10	20
L-2N 06+75W	201	285	< 1	2.58	4	90	< 2	46	0.12	44	< 10	50
L-2N 07+00W	201	285	< 1	1.82	26	520	< 2	101	0.28	190	< 10	148
L-2N 07+25W	201	285	< 1	2.49	20	550	6	591	0.41	116	< 10	120
L-2N 07+50W	201	285	< 1	2.75	13	380	< 2	125	0.50	146	< 10	116

CERTIFICATION: Hart Bichler

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Project :
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Page Num :2-A
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CERTIFICATE OF ANALYSIS A9417321

SAMPLE	PREP CODE		Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)	Mn ppm (ICP)
L-2N 07+75W	201	285	< 0.2	7.74	250	< 0.5	< 2	1.56	< 0.5	9	36	29	4.48	0.54	1.69	770
L-2N 08+00W	201	285	< 0.2	7.13	280	< 0.5	< 2	1.78	< 0.5	8	41	20	3.32	0.64	1.59	755
L-2N 08+25W	201	285	< 0.2	7.41	250	< 0.5	< 2	1.63	< 0.5	11	37	31	3.33	0.59	1.55	745
L-2N 08+50W	201	285	< 0.2	8.80	410	< 0.5	< 2	1.75	< 0.5	13	50	37	5.33	0.77	2.75	1180
L-2N 08+75W	201	285	< 0.2	8.08	260	< 0.5	< 2	1.72	< 0.5	12	66	36	4.59	0.56	2.59	1000
L-2N 09+00W	201	285	< 0.2	8.38	380	< 0.5	< 2	1.35	< 0.5	12	77	49	4.62	0.85	2.59	980
L-2N 09+25W	201	285	< 0.2	7.96	160	< 0.5	< 2	1.41	< 0.5	12	73	22	4.65	0.47	3.14	1145
L-2N 09+50W	201	285	< 0.2	8.05	230	< 0.5	< 2	1.77	< 0.5	12	56	32	4.22	0.52	2.25	940
L-2N 09+75W	201	285	< 0.2	8.04	140	< 0.5	< 2	1.34	< 0.5	12	69	32	4.42	0.44	2.75	1020
L-2N 10+00W	201	285	< 0.2	8.26	250	< 0.5	< 2	1.62	< 0.5	11	60	18	4.19	0.57	2.74	1150
L-2N 10+25W	201	285	< 0.2	7.31	250	< 0.5	< 2	1.54	< 0.5	10	48	23	3.62	0.55	2.02	900
L-2N 10+50W	201	285	< 0.2	8.10	330	< 0.5	< 2	1.54	< 0.5	11	54	27	3.84	0.79	2.21	890
L-2N 10+75W	201	285	0.4	8.10	410	< 0.5	< 2	1.71	< 0.5	11	43	99	4.19	0.70	1.44	1025
L-2N 11+00W	201	285	< 0.2	7.83	300	< 0.5	< 2	1.43	< 0.5	11	43	37	3.99	0.61	1.58	730
L-2N 11+25W	201	285	< 0.2	7.18	240	< 0.5	< 2	1.57	< 0.5	8	34	26	3.09	0.43	1.12	655
L-2N 11+50W	201	285	< 0.2	7.25	270	< 0.5	< 2	1.87	< 0.5	10	44	26	3.14	0.56	1.42	955
L-2N 11+75W	201	285	< 0.2	7.62	260	< 0.5	< 2	1.67	< 0.5	9	30	31	3.17	0.57	1.19	825
L-2N 12+00W	201	285	< 0.2	7.21	230	< 0.5	< 2	1.60	< 0.5	9	54	19	3.27	0.49	1.46	665
L-2N 12+25W	201	285	< 0.2	7.82	170	< 0.5	< 2	1.54	< 0.5	10	40	33	3.83	0.40	1.55	715
L-2N 12+50W	201	285	< 0.2	7.46	230	< 0.5	< 2	1.49	< 0.5	9	32	32	3.23	0.46	1.42	640
L-2N 12+75W	201	285	< 0.2	9.36	240	< 0.5	< 2	2.52	< 0.5	15	72	17	3.99	0.57	1.93	635
L-2N 13+00W	201	285	< 0.2	10.40	100	< 0.5	< 2	2.77	< 0.5	9	7	8	3.55	0.43	1.22	425
L-4N 10+00W	201	285	< 0.2	7.58	270	< 0.5	< 2	1.47	< 0.5	8	38	24	3.41	0.60	1.79	755
L-4N 10+25W	201	285	< 0.2	7.57	270	< 0.5	< 2	1.29	< 0.5	8	35	27	3.18	0.59	1.71	660
L-4N 10+50W	201	285	< 0.2	7.52	390	< 0.5	< 2	1.47	< 0.5	9	25	32	3.01	0.65	1.28	885
L-4N 10+75W	201	285	< 0.2	7.81	330	< 0.5	< 2	1.44	< 0.5	9	28	27	3.02	0.68	1.24	640
L-4N 11+00W	201	285	< 0.2	8.01	140	< 0.5	< 2	0.76	< 0.5	5	9	25	3.46	0.35	1.11	400
L-4N 11+25W	201	285	< 0.2	7.79	210	< 0.5	< 2	1.26	< 0.5	8	33	38	3.59	0.44	1.79	725
L-4N 11+50W	201	285	< 0.2	7.72	250	< 0.5	< 2	1.29	< 0.5	9	33	35	3.74	0.54	1.83	775
L-4N 11+75W	201	285	< 0.2	7.70	230	< 0.5	< 2	1.27	< 0.5	10	33	55	4.12	0.52	1.84	805
L-4N 12+00W	201	285	< 0.2	7.45	200	< 0.5	< 2	1.21	< 0.5	8	36	24	3.40	0.40	1.92	780
L-4N 12+25W	201	285	< 0.2	8.26	220	< 0.5	< 2	1.26	< 0.5	9	34	24	3.51	0.49	2.22	820
L-4N 12+50W	201	285	< 0.2	8.23	190	< 0.5	< 2	1.07	< 0.5	10	46	39	4.26	0.42	2.59	920
L-4N 12+75W	201	285	< 0.2	7.95	220	< 0.5	2	1.51	< 0.5	10	39	22	3.67	0.44	2.21	910
L-4N 13+00W	201	285	< 0.2	8.55	340	< 0.5	< 2	1.45	< 0.5	9	34	36	3.64	0.66	1.96	840
L-6N 10+25W	201	285	< 0.2	7.67	250	0.5	< 2	1.10	< 0.5	7	33	28	3.15	0.70	1.70	690
L-6N 10+50W	201	285	< 0.2	8.25	460	0.5	2	0.86	< 0.5	6	22	29	3.25	1.22	1.59	620
L-6N 10+75W	201	285	< 0.2	7.95	300	< 0.5	2	1.01	< 0.5	8	40	18	3.24	0.55	1.78	760
L-6N 11+00W	201	285	< 0.2	8.98	170	< 0.5	< 2	0.80	< 0.5	27	379	6	6.60	0.57	5.14	1195
L-6N 11+25W	201	285	< 0.2	7.64	230	< 0.5	< 2	0.94	< 0.5	8	31	20	3.58	0.56	2.34	810

CERTIFICATION: [signature]

Chemex Labs Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

WESTMIN RESOURCES LTD.

P.O. Box 49066, The Bentall Centre
VANCOUVER, BC
V7X 1C4

Project :
Comments: ATTN: MURRAY JONES

Certificate Date: 12-JUN-94
Invoice No. :19417321
P.O. Number :
Account :GP

CERTIFICATE OF ANALYSIS A9417321

SAMPLE	PREP CODE		Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)
L-2N 07+75W	201	285	< 1	2.87	11	810	4	212	0.46	114	< 10	106
L-2N 08+00W	201	285	< 1	2.68	12	450	4	226	0.38	99	< 10	84
L-2N 08+25W	201	285	< 1	2.86	10	360	< 2	200	0.36	92	< 10	84
L-2N 08+50W	201	285	< 1	2.91	15	740	< 2	217	0.55	153	< 10	198
L-2N 08+75W	201	285	< 1	2.46	20	520	< 2	197	0.39	136	< 10	128
L-2N 09+00W	201	285	< 1	2.14	22	360	4	205	0.46	137	10	112
L-2N 09+25W	201	285	< 1	2.41	21	410	< 2	139	0.40	126	< 10	128
L-2N 09+50W	201	285	< 1	2.58	17	400	< 2	226	0.42	118	< 10	106
L-2N 09+75W	201	285	< 1	2.64	20	350	< 2	120	0.35	115	< 10	120
L-2N 10+00W	201	285	< 1	2.74	17	380	< 2	185	0.42	115	< 10	126
L-2N 10+25W	201	285	< 1	2.57	15	330	< 2	185	0.47	104	< 10	98
L-2N 10+50W	201	285	< 1	2.66	16	390	< 2	208	0.42	110	< 10	110
L-2N 10+75W	201	285	< 1	2.06	20	410	< 2	214	0.37	87	10	106
L-2N 11+00W	201	285	< 1	2.55	11	370	< 2	176	0.41	102	< 10	80
L-2N 11+25W	201	285	< 1	2.82	11	280	< 2	186	0.45	85	< 10	76
L-2N 11+50W	201	285	< 1	2.64	13	400	< 2	203	0.37	84	< 10	80
L-2N 11+75W	201	285	< 1	2.88	12	340	2	198	0.39	82	< 10	72
L-2N 12+00W	201	285	< 1	2.71	16	360	2	183	0.37	81	< 10	68
L-2N 12+25W	201	285	< 1	2.85	13	310	2	142	0.37	96	< 10	74
L-2N 12+50W	201	285	1	2.94	10	200	< 2	166	0.34	82	< 10	86
L-2N 12+75W	201	285	< 1	3.33	29	330	< 2	258	0.35	117	< 10	70
L-2N 13+00W	201	285	< 1	4.50	7	820	< 2	228	0.50	124	< 10	34
L-4N 10+00W	201	285	< 1	2.68	13	280	< 2	173	0.38	93	< 10	138
L-4N 10+25W	201	285	< 1	3.00	12	450	< 2	133	0.33	81	< 10	118
L-4N 10+50W	201	285	< 1	2.80	11	880	< 2	182	0.37	75	< 10	164
L-4N 10+75W	201	285	1	3.02	10	470	< 2	170	0.33	71	< 10	118
L-4N 11+00W	201	285	2	3.57	4	230	< 2	78	0.28	60	< 10	42
L-4N 11+25W	201	285	< 1	3.02	12	330	< 2	131	0.37	94	< 10	102
L-4N 11+50W	201	285	< 1	2.81	10	310	< 2	132	0.37	94	< 10	98
L-4N 11+75W	201	285	< 1	2.67	12	400	< 2	122	0.37	103	< 10	118
L-4N 12+00W	201	285	< 1	3.26	12	270	< 2	149	0.44	101	< 10	104
L-4N 12+25W	201	285	< 1	3.40	12	170	< 2	146	0.33	97	< 10	114
L-4N 12+50W	201	285	< 1	3.18	15	320	< 2	129	0.39	122	< 10	142
L-4N 12+75W	201	285	< 1	3.59	15	250	< 2	167	0.45	115	< 10	120
L-4N 13+00W	201	285	< 1	3.19	14	600	< 2	189	0.40	97	< 10	142
L-6N 10+25W	201	285	< 1	2.96	11	220	< 2	119	0.27	76	< 10	176
L-6N 10+50W	201	285	< 1	2.62	9	260	< 2	117	0.27	58	< 10	130
L-6N 10+75W	201	285	< 1	3.40	13	560	< 2	130	0.30	65	< 10	124
L-6N 11+00W	201	285	< 1	1.84	100	370	< 2	92	0.36	152	< 10	120
L-6N 11+25W	201	285	< 1	2.94	13	200	< 2	115	0.34	95	< 10	106

CERTIFICATION: Hart Bichler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: WESTMIN RESOURCES LTD.

P.O. Box 49066, The Bentall Centre
VANCOUVER, BC
V7X 1C4

Project :
Comments: ATTN: MURRAY JONES

Certificate Date: 12-JUN-94
Invoice No. : I9417321
P.O. Number :
Account : GP

CERTIFICATE OF ANALYSIS A9417321

SAMPLE	PREP CODE		Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)	Mn ppm (ICP)
L-6N 11+50W	201	285	< 0.2	7.95	210	< 0.5	< 2	1.20	< 0.5	8	29	22	3.49	0.53	2.06	745
L-6N 11+75W	201	285	< 0.2	7.07	170	< 0.5	< 2	1.29	< 0.5	8	26	29	3.41	0.38	1.56	725
L-6N 12+00W	201	285	< 0.2	7.90	130	< 0.5	< 2	1.17	< 0.5	9	26	19	3.47	0.35	2.11	750
L-6N 12+25W	201	285	< 0.2	7.72	270	< 0.5	< 2	1.38	< 0.5	9	33	26	3.48	0.59	2.20	835
L-6N 12+50W	201	285	< 0.2	7.78	150	< 0.5	< 2	1.12	< 0.5	9	34	19	3.33	0.36	2.19	730
L-6N 12+75W	201	285	< 0.2	8.12	160	< 0.5	< 2	1.44	< 0.5	11	41	20	3.55	0.33	2.42	890
L-6N 13+00W	201	285	< 0.2	7.59	180	< 0.5	< 2	1.54	< 0.5	10	37	26	3.65	0.36	1.98	890
L-7N 10+00W-B	201	285	< 0.2	8.12	270	< 0.5	< 2	1.22	1.0	10	31	143	4.02	0.56	2.28	755
L-7N 10+25W	201	285	< 0.2	8.39	160	< 0.5	< 2	1.02	< 0.5	9	27	55	5.28	0.42	3.55	1040
L-7N 10+50W	201	285	< 0.2	7.74	300	< 0.5	< 2	1.48	< 0.5	12	56	45	4.25	0.73	2.79	990
L-7N 10+75W	201	285	< 0.2	7.85	330	< 0.5	2	1.61	< 0.5	9	36	24	3.47	0.77	2.08	815
L-7N 11+00W	201	285	< 0.2	7.87	350	0.5	< 2	0.85	< 0.5	4	13	28	3.53	1.06	1.96	710
L-7N 11+25W	201	285	< 0.2	7.82	170	< 0.5	2	1.29	< 0.5	9	32	18	3.45	0.44	2.21	880
L-7N 11+50W	201	285	< 0.2	7.43	160	< 0.5	< 2	1.40	< 0.5	8	23	32	3.70	0.44	1.84	800
L-7N 11+75W	201	285	< 0.2	7.56	250	< 0.5	< 2	1.38	< 0.5	8	31	33	3.57	0.53	2.10	795
L-7N 12+00W	201	285	< 0.2	7.64	240	< 0.5	< 2	1.31	< 0.5	11	35	68	4.61	0.58	2.51	910
L-7N 12+25W	201	285	< 0.2	7.96	190	< 0.5	< 2	1.08	< 0.5	9	35	45	4.16	0.41	2.55	865
L-7N 12+50W	201	285	< 0.2	8.30	150	< 0.5	< 2	1.46	< 0.5	10	29	31	3.99	0.30	2.68	955
L-7N 12+75W	201	285	< 0.2	8.15	220	< 0.5	< 2	1.50	< 0.5	10	40	35	4.16	0.43	2.52	1005
L-7N 13+00W	201	285	< 0.2	7.84	130	0.5	< 2	0.67	< 0.5	4	21	17	2.08	0.38	1.20	390
L-7N 13+25W	201	285	< 0.2	8.19	150	< 0.5	< 2	1.49	< 0.5	9	41	21	3.87	0.30	2.51	725
L-7N 13+50W	201	285	< 0.2	6.66	80	< 0.5	< 2	0.76	< 0.5	6	6	9	2.16	0.30	1.30	220
L-7N 13+75W	201	285	< 0.2	7.35	170	< 0.5	2	1.43	< 0.5	7	27	29	3.37	0.35	1.81	725
L-7N 14+00W	201	285	< 0.2	7.76	220	< 0.5	< 2	1.80	< 0.5	11	50	44	4.00	0.39	2.04	715
L-10N 07+00W	201	285	< 0.2	7.69	250	< 0.5	< 2	1.62	< 0.5	9	44	27	3.66	0.54	1.97	895
L-10N 07+25W	201	285	< 0.2	7.46	270	< 0.5	< 2	1.90	< 0.5	10	54	24	3.71	0.63	1.97	850
L-10N 07+50W	201	285	< 0.2	7.56	120	< 0.5	< 2	1.06	< 0.5	8	26	37	3.83	0.35	2.08	985
L-10N 07+75W	201	285	< 0.2	8.10	150	< 0.5	< 2	1.43	< 0.5	18	34	46	4.37	0.34	2.34	1340
L-10N 08+00W	201	285	< 0.2	6.76	140	< 0.5	< 2	1.32	< 0.5	10	31	22	3.32	0.38	1.62	880
L-10N 08+25W	201	285	< 0.2	8.39	200	< 0.5	< 2	1.12	< 0.5	13	100	13	3.91	0.52	3.25	1000
L-10N 08+50W	201	285	< 0.2	7.95	200	< 0.5	< 2	0.95	< 0.5	9	30	21	3.62	0.48	1.79	920
L-10N 08+75W	201	285	< 0.2	7.62	280	< 0.5	< 2	1.33	< 0.5	8	19	16	4.07	0.60	1.62	960
L-10N 09+00W	201	285	< 0.2	7.99	250	< 0.5	< 2	1.20	< 0.5	13	35	19	3.78	0.55	2.20	950
L-10N 09+25W	201	285	< 0.2	8.62	130	< 0.5	2	1.32	< 0.5	11	44	20	3.70	0.39	2.29	975
L-10N 09+50W	201	285	< 0.2	7.05	560	0.5	< 2	1.00	< 0.5	7	22	29	3.86	1.13	1.74	530
L-10N 09+75W	201	285	< 0.2	8.09	130	< 0.5	< 2	0.91	< 0.5	7	41	42	6.31	0.41	3.95	970
L-11N 07+50W	201	285	< 0.2	6.89	330	< 0.5	< 2	2.45	< 0.5	10	53	31	3.26	0.65	1.51	660
L-11N 07+75W	201	285	< 0.2	7.81	170	< 0.5	< 2	1.88	< 0.5	13	54	41	4.11	0.67	2.17	675
L-11N 08+00W	201	285	< 0.2	7.46	150	< 0.5	< 2	1.87	< 0.5	13	44	50	4.28	0.54	2.41	925
L-11N 08+25W	201	285	< 0.2	8.10	130	< 0.5	2	2.06	< 0.5	12	34	71	5.14	0.46	2.61	1190

CERTIFICATION: HartBichler

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Project :
Comments: ATTN: MURRAY JONES

Certificate Date: 12-JUN-94
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CERTIFICATE OF ANALYSIS A9417321

SAMPLE	PREP CODE		Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)
L-6N 11+50W	201	285	< 1	3.27	12	350	< 2	156	0.37	94	< 10	120
L-6N 11+75W	201	285	< 1	3.01	11	290	< 2	140	0.46	97	< 10	94
L-6N 12+00W	201	285	< 1	3.36	9	300	< 2	114	0.46	101	< 10	108
L-6N 12+25W	201	285	< 1	2.91	12	330	< 2	156	0.35	97	< 10	136
L-6N 12+50W	201	285	< 1	3.44	13	240	< 2	122	0.36	96	< 10	102
L-6N 12+75W	201	285	< 1	3.36	16	300	< 2	147	0.41	107	< 10	114
L-6N 13+00W	201	285	< 1	3.00	13	300	< 2	154	0.52	113	< 10	106
L-7N 10+00W-B	201	285	< 1	3.05	13	400	< 2	151	0.39	94	< 10	602
L-7N 10+25W	201	285	< 1	2.63	13	420	< 2	104	0.58	162	10	326
L-7N 10+50W	201	285	< 1	2.34	18	260	< 2	160	0.35	124	< 10	146
L-7N 10+75W	201	285	< 1	2.73	12	250	< 2	180	0.31	93	< 10	102
L-7N 11+00W	201	285	1	2.72	3	210	< 2	74	0.30	102	< 10	98
L-7N 11+25W	201	285	< 1	3.47	10	190	< 2	130	0.43	104	< 10	120
L-7N 11+50W	201	285	< 1	3.00	7	400	< 2	108	0.45	107	< 10	130
L-7N 11+75W	201	285	< 1	2.85	9	330	< 2	161	0.40	103	< 10	114
L-7N 12+00W	201	285	< 1	2.78	13	510	< 2	133	0.40	119	< 10	130
L-7N 12+25W	201	285	< 1	3.08	12	280	< 2	137	0.40	119	< 10	138
L-7N 12+50W	201	285	< 1	3.20	11	300	< 2	126	0.42	120	< 10	134
L-7N 12+75W	201	285	< 1	3.05	14	260	< 2	160	0.43	121	< 10	144
L-7N 13+00W	201	285	< 1	4.36	10	140	< 2	64	0.18	49	< 10	40
L-7N 13+25W	201	285	< 1	3.24	14	340	< 2	156	0.43	114	< 10	84
L-7N 13+50W	201	285	< 1	3.13	4	210	< 2	62	0.16	38	< 10	14
L-7N 13+75W	201	285	< 1	3.14	10	420	< 2	162	0.43	96	< 10	86
L-7N 14+00W	201	285	< 1	2.98	17	450	< 2	244	0.41	113	< 10	76
L-10N 07+00W	201	285	< 1	2.91	14	380	< 2	204	0.46	104	< 10	122
L-10N 07+25W	201	285	< 1	2.70	16	540	< 2	232	0.46	112	< 10	120
L-10N 07+50W	201	285	< 1	3.24	10	550	< 2	78	0.45	93	< 10	102
L-10N 07+75W	201	285	< 1	3.49	12	470	< 2	111	0.58	123	< 10	135
L-10N 08+00W	201	285	< 1	2.78	10	300	< 2	131	0.56	93	< 10	118
L-10N 08+25W	201	285	1	2.77	27	130	< 2	125	0.25	101	< 10	166
L-10N 08+50W	201	285	< 1	3.60	10	390	< 2	139	0.36	76	< 10	128
L-10N 08+75W	201	285	< 1	2.92	8	990	< 2	203	0.46	81	< 10	98
L-10N 09+00W	201	285	< 1	2.77	12	690	< 2	157	0.45	92	< 10	114
L-10N 09+25W	201	285	< 1	3.65	16	250	< 2	97	0.34	84	10	110
L-10N 09+50W	201	285	< 1	2.44	9	300	< 2	117	0.30	65	< 10	82
L-10N 09+75W	201	285	< 1	1.93	14	590	< 2	77	0.76	160	10	170
L-11N 07+50W	201	285	< 1	2.39	15	360	< 2	390	0.36	106	< 10	60
L-11N 07+75W	201	285	< 1	2.86	17	370	< 2	215	0.47	132	10	96
L-11N 08+00W	201	285	< 1	2.72	15	370	< 2	199	0.51	142	10	144
L-11N 08+25W	201	285	< 1	2.88	11	280	< 2	162	0.66	186	10	330

CERTIFICATION:

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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To: WESTMIN RESOURCES LTD.

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L-11N 08+50W	201	285	< 0.2	7.84	200	< 0.5	< 2	2.01	< 0.5	11	47	29	4.31	0.48	2.52	1070
L-11N 08+75W	201	285	< 0.2	7.74	240	< 0.5	< 2	1.48	< 0.5	10	46	21	3.58	0.62	2.23	855
L-11N 09+00W	201	285	< 0.2	8.25	170	< 0.5	4	0.89	< 0.5	8	31	23	3.70	0.44	2.14	850
L-11N 09+25W	201	285	< 0.2	8.26	320	< 0.5	< 2	1.51	< 0.5	11	52	32	3.88	0.66	1.96	860
L-11N 09+50W	201	285	< 0.2	8.42	240	< 0.5	< 2	0.84	< 0.5	6	33	11	4.16	0.55	2.45	865
L-11N 09+75W	201	285	< 0.2	7.32	140	< 0.5	2	0.62	< 0.5	3	11	9	2.04	0.40	1.00	425
L-11N 10+00W-A	201	285	< 0.2	8.02	180	< 0.5	2	1.13	< 0.5	12	123	9	3.75	0.42	2.54	995
L-11N 10+00W-B	201	285	< 0.2	8.08	360	< 0.5	< 2	0.83	< 0.5	6	22	11	3.05	0.84	1.96	630
L-12N 08+00W	201	285	< 0.2	8.28	360	< 0.5	2	1.76	< 0.5	11	38	25	3.34	0.85	1.51	660
L-12N 08+25W	201	285	< 0.2	8.15	120	< 0.5	2	1.64	< 0.5	12	41	46	4.89	0.37	2.62	1015
L-12N 08+50W	201	285	< 0.2	7.52	150	< 0.5	< 2	1.44	< 0.5	11	40	26	3.84	0.48	2.04	815
L-12N 08+75W	201	285	< 0.2	7.57	90	< 0.5	2	1.67	< 0.5	12	45	19	3.59	0.41	2.08	665
L-12N 09+00W	201	285	< 0.2	7.91	100	< 0.5	< 2	1.26	< 0.5	9	43	35	4.10	0.43	2.65	945
L-12N 09+25W	201	285	< 0.2	8.23	150	< 0.5	< 2	1.08	< 0.5	11	54	18	4.17	0.46	2.92	925
L-12N 09+50W	201	285	< 0.2	8.51	120	< 0.5	< 2	0.70	< 0.5	9	68	18	5.26	0.47	3.93	985
L-12N 09+75W	201	285	< 0.2	7.38	130	< 0.5	2	0.86	< 0.5	4	21	25	4.05	0.35	2.14	790
L-12N 10+00W-A	201	285	< 0.2	8.68	140	< 0.5	< 2	1.35	< 0.5	12	58	17	4.77	0.32	3.75	1315
L-12N 10+00W-B	201	285	< 0.2	9.15	160	< 0.5	< 2	0.63	< 0.5	5	35	11	5.57	0.38	3.94	1075
L-14N 08+00W	201	285	< 0.2	8.27	360	< 0.5	< 2	1.78	< 0.5	12	42	20	3.93	0.72	1.79	640
L-14N 08+25W	201	285	< 0.2	8.32	300	< 0.5	< 2	2.32	< 0.5	18	72	52	4.79	0.68	2.53	790
L-14N 08+50W	201	285	< 0.2	6.63	200	< 0.5	< 2	2.02	< 0.5	11	58	28	3.96	0.44	1.52	635
L-14N 08+75W	201	285	< 0.2	7.91	340	< 0.5	2	2.78	< 0.5	17	80	28	4.27	0.68	2.13	855
L-14N 09+00W	201	285	< 0.2	7.84	280	< 0.5	< 2	1.54	< 0.5	14	58	34	4.22	0.91	2.26	760
L-14N 09+25W	201	285	< 0.2	7.48	300	< 0.5	< 2	1.83	< 0.5	16	70	28	4.30	0.76	2.09	730
L-14N 09+50W	201	285	< 0.2	7.48	220	< 0.5	< 2	1.66	< 0.5	11	55	16	3.55	0.55	1.69	540
L-14N 09+75W	201	285	< 0.2	7.77	180	< 0.5	2	1.80	< 0.5	15	90	28	4.26	0.53	2.40	685
L-16N 08+50W	201	285	< 0.2	9.38	760	< 0.5	4	3.21	< 0.5	13	101	19	3.59	1.18	1.67	515
L-16N 08+75W	201	285	< 0.2	9.65	760	< 0.5	2	3.23	< 0.5	17	131	35	4.31	1.01	2.02	640
L-16N 09+00W	201	285	< 0.2	9.00	720	< 0.5	2	4.13	< 0.5	20	190	28	4.95	1.02	2.32	670
L-16N 09+25W	201	285	< 0.2	8.30	380	< 0.5	< 2	1.56	< 0.5	12	56	27	3.54	0.81	1.70	595
L-16N 09+50W	201	285	< 0.2	8.62	350	< 0.5	< 2	2.48	< 0.5	19	125	40	4.52	0.63	2.68	745
L-16N 09+75W	201	285	< 0.2	8.61	540	< 0.5	< 2	2.29	< 0.5	16	66	34	4.22	0.96	2.13	710
L-16N 10+00W	201	285	< 0.2	8.76	330	< 0.5	< 2	2.75	< 0.5	18	64	22	4.80	0.55	2.79	855
L-16N 10+00W-A	201	285	< 0.2	8.30	160	< 0.5	< 2	2.27	< 0.5	16	54	20	4.44	0.43	2.56	995
L-16N 10+00W-B	201	285	< 0.2	8.85	360	< 0.5	< 2	2.56	< 0.5	19	49	15	4.33	0.70	2.85	775
L-16N 10+25W	201	285	< 0.2	8.55	360	< 0.5	< 2	2.62	< 0.5	16	103	32	3.96	0.67	2.43	715
L-16N 10+50W	201	285	< 0.2	8.88	200	< 0.5	< 2	1.80	< 0.5	22	39	34	5.73	0.50	3.14	740
L-16N 10+75W	201	285	< 0.2	8.37	160	< 0.5	< 2	1.35	< 0.5	19	30	39	6.35	0.53	2.26	540
L-16N 11+00W	201	285	< 0.2	7.22	140	< 0.5	< 2	0.65	< 0.5	6	12	7	2.64	0.31	1.42	510
L-16N 11+25W	201	285	< 0.2	8.55	700	0.5	< 2	0.27	< 0.5	4	13	12	2.92	2.04	2.60	540

CERTIFICATION: [signature]

Chemex Labs Ltd.
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WESTMIN RESOURCES LTD.

P.O. Box 49066, The Bentall Centre
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Project :
Comments: ATTN: MURRAY JONES

Certificate Date: 12-JUN-94
Invoice No. : I9417321
P.O. Number :
Account :GP

CERTIFICATE OF ANALYSIS A9417321

SAMPLE	PREP CODE		Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)
L-11N 08+50W	201	285	< 1	2.85	16	380	< 2	250	0.46	134	10	234
L-11N 08+75W	201	285	< 1	2.74	15	220	< 2	217	0.35	99	< 10	106
L-11N 09+00W	201	285	< 1	3.38	10	270	< 2	128	0.39	85	10	110
L-11N 09+25W	201	285	< 1	2.90	14	390	< 2	219	0.42	104	10	106
L-11N 09+50W	201	285	< 1	3.09	10	320	< 2	105	0.34	87	10	94
L-11N 09+75W	201	285	< 1	3.78	6	150	< 2	80	0.15	29	< 10	26
L-11N 10+00W-A	201	285	< 1	2.44	35	160	< 2	117	0.34	87	10	78
L-11N 10+00W-B	201	285	< 1	2.88	7	210	< 2	122	0.20	56	< 10	52
L-12N 08+00W	201	285	< 1	3.00	16	850	< 2	276	0.39	86	< 10	104
L-12N 08+25W	201	285	< 1	2.96	12	370	< 2	149	0.53	149	10	176
L-12N 08+50W	201	285	< 1	3.14	12	390	< 2	159	0.45	112	10	106
L-12N 08+75W	201	285	< 1	3.44	12	230	2	144	0.36	104	< 10	76
L-12N 09+00W	201	285	< 1	3.00	13	260	< 2	112	0.50	136	< 10	184
L-12N 09+25W	201	285	< 1	3.15	16	230	< 2	124	0.45	125	10	138
L-12N 09+50W	201	285	< 1	2.57	17	310	< 2	68	0.64	170	10	196
L-12N 09+75W	201	285	1	3.04	4	350	< 2	104	0.59	112	10	90
L-12N 10+00W-A	201	285	< 1	2.83	15	200	< 2	90	0.52	172	10	134
L-12N 10+00W-B	201	285	< 1	3.30	9	680	< 2	72	0.37	119	10	142
L-14N 08+00W	201	285	< 1	3.51	12	410	< 2	319	0.41	113	< 10	80
L-14N 08+25W	201	285	< 1	2.58	24	580	< 2	289	0.51	161	10	86
L-14N 08+50W	201	285	< 1	2.74	15	760	< 2	242	0.55	128	10	58
L-14N 08+75W	201	285	< 1	2.86	24	900	< 2	406	0.48	137	10	94
L-14N 09+00W	201	285	< 1	2.95	17	430	< 2	222	0.42	131	10	86
L-14N 09+25W	201	285	< 1	2.82	21	770	< 2	261	0.56	144	10	88
L-14N 09+50W	201	285	< 1	3.47	16	220	< 2	254	0.41	110	< 10	56
L-14N 09+75W	201	285	< 1	3.37	25	320	< 2	255	0.54	146	10	60
L-16N 08+50W	201	285	< 1	3.03	30	520	8	896	0.44	118	< 10	66
L-16N 08+75W	201	285	< 1	2.83	41	920	8	921	0.47	144	10	66
L-16N 09+00W	201	285	< 1	2.80	48	820	4	1090	0.53	186	10	70
L-16N 09+25W	201	285	< 1	3.17	20	910	4	270	0.38	90	< 10	74
L-16N 09+50W	201	285	< 1	3.24	43	260	2	367	0.44	144	10	54
L-16N 09+75W	201	285	< 1	3.07	26	310	2	463	0.46	130	10	58
L-16N 10+00W	201	285	< 1	2.97	25	380	4	451	0.42	146	10	74
L-16N 10+00W-A	201	285	< 1	3.41	19	230	< 2	261	0.46	136	10	60
L-16N 10+00W-B	201	285	< 1	3.17	24	320	2	358	0.41	139	< 10	56
L-16N 10+25W	201	285	< 1	3.28	31	320	< 2	477	0.43	128	10	54
L-16N 10+50W	201	285	< 1	2.75	16	330	< 2	200	0.46	169	10	66
L-16N 10+75W	201	285	< 1	2.97	15	350	< 2	146	0.69	211	10	78
L-16N 11+00W	201	285	< 1	3.74	7	160	< 2	101	0.19	46	< 10	62
L-16N 11+25W	201	285	< 1	0.84	2	110	< 2	47	0.13	36	< 10	98

CERTIFICATION: Hart Bichler

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CERTIFICATE OF ANALYSIS A9417321

SAMPLE	PREP CODE		Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)	Mn ppm (ICP)
L-16N 11+50W	201	285	< 0.2	8.03	330	0.5	< 2	0.61	< 0.5	4	11	10	2.52	1.27	0.90	340
L-16N 11+75W	201	285	< 0.2	8.90	370	0.5	< 2	0.87	< 0.5	10	57	21	3.80	1.06	2.54	825
L-16N 12+00W	201	285	< 0.2	8.38	370	< 0.5	< 2	2.17	< 0.5	15	67	21	4.01	0.71	2.35	715
L-16N 12+25W	201	285	< 0.2	8.49	190	< 0.5	< 2	2.34	< 0.5	17	113	43	5.70	0.82	2.57	920
L-16N 12+50W	201	285	< 0.2	8.93	240	< 0.5	< 2	2.29	< 0.5	16	49	56	4.99	0.51	2.50	1010
L-16N 12+75W	201	285	< 0.2	8.59	270	< 0.5	< 2	1.79	< 0.5	14	69	17	4.00	0.54	2.39	795
L-16N 13+00W	201	285	< 0.2	9.48	160	< 0.5	< 2	1.52	< 0.5	15	176	33	7.26	0.36	4.30	1525
L-16N 13+25W	201	285	< 0.2	8.46	350	< 0.5	< 2	2.02	< 0.5	14	96	27	4.31	0.51	2.80	745
L-16N 13+50W	201	285	< 0.2	8.03	360	< 0.5	< 2	2.27	< 0.5	16	86	24	4.18	0.61	2.47	785
L-16N 13+75W	201	285	< 0.2	8.60	350	< 0.5	2	2.51	< 0.5	15	76	18	3.94	0.61	2.30	690
L-16N 14+00W	201	285	< 0.2	8.91	200	< 0.5	< 2	1.92	< 0.5	25	86	89	5.93	0.38	3.47	1180
L-16N 14+25W	201	285	< 0.2	8.64	290	< 0.5	< 2	1.90	< 0.5	14	94	28	4.61	0.49	3.11	915
L-16N 14+50W	201	285	< 0.2	8.90	210	< 0.5	< 2	1.12	< 0.5	18	51	58	6.47	0.47	3.31	915
L-16N 14+75W	201	285	< 0.2	8.41	130	< 0.5	< 2	1.77	< 0.5	13	41	41	5.57	0.28	2.68	750
L-16N 15+00W	201	285	< 0.2	8.07	200	< 0.5	< 2	1.75	< 0.5	13	52	18	4.34	0.38	2.33	575
L-17N 08+50W	201	285	< 0.2	8.86	480	< 0.5	< 2	2.58	< 0.5	17	94	33	4.17	0.91	2.28	720
L-17N 08+75W	201	285	< 0.2	8.43	220	< 0.5	< 2	2.74	< 0.5	20	90	57	4.64	0.54	2.99	960
L-17N 09+00W	201	285	< 0.2	8.82	430	< 0.5	< 2	2.82	< 0.5	18	76	34	4.17	0.86	2.42	805
L-17N 09+25W	201	285	< 0.2	8.26	70	< 0.5	< 2	3.30	< 0.5	24	24	37	5.31	0.39	3.42	800
L-17N 09+50W	201	285	< 0.2	8.87	240	< 0.5	< 2	2.50	< 0.5	23	39	115	4.70	0.74	3.41	795
L-17N 09+75W	201	285	< 0.2	8.49	120	< 0.5	< 2	3.85	< 0.5	28	171	22	5.26	0.47	4.31	880
L-17N 10+00W	201	285	< 0.2	8.50	180	< 0.5	< 2	4.50	< 0.5	24	59	73	6.58	0.87	3.81	960
L-18N 08+75W	201	285	< 0.2	8.79	500	< 0.5	< 2	2.69	< 0.5	15	99	40	3.93	0.88	2.10	675
L-18N 09+00W	201	285	< 0.2	8.91	460	< 0.5	< 2	2.82	< 0.5	19	90	31	4.47	0.74	2.36	760
L-18N 09+25W	201	285	< 0.2	8.49	460	< 0.5	< 2	2.91	< 0.5	16	81	25	3.95	0.86	2.01	685
L-18N 09+50W	201	285	< 0.2	8.71	470	< 0.5	< 2	2.59	< 0.5	16	79	35	4.11	0.80	2.15	755
L-18N 09+75W	201	285	< 0.2	8.63	490	< 0.5	< 2	3.01	< 0.5	17	86	28	3.85	0.88	2.08	665
L-18N 10+00W	201	285	< 0.2	8.77	560	< 0.5	< 2	3.19	< 0.5	18	102	26	4.02	0.81	2.35	725
L-18N 10+25W	201	285	< 0.2	9.23	620	< 0.5	< 2	3.98	< 0.5	20	130	33	4.39	0.88	2.64	725
L-18N 10+50W	201	285	< 0.2	9.27	660	< 0.5	< 2	3.85	< 0.5	22	130	33	4.14	0.93	2.63	640
L-18N 10+75W	201	285	< 0.2	8.31	350	< 0.5	< 2	2.11	< 0.5	16	80	32	4.11	0.62	2.35	730
L-18N 11+00W	201	285	< 0.2	7.90	110	< 0.5	< 2	1.12	< 0.5	15	63	35	4.43	0.34	2.55	905
L-18N 11+25W	201	285	< 0.2	8.98	410	< 0.5	< 2	2.30	< 0.5	22	77	34	4.00	0.73	2.21	940
L-18N 11+50W	201	285	< 0.2	8.95	630	< 0.5	< 2	2.53	< 0.5	15	101	34	3.66	0.94	1.77	605
L-18N 11+75W	201	285	< 0.2	8.53	290	< 0.5	< 2	1.46	< 0.5	30	69	40	3.65	0.58	1.78	1090
L-18N 12+00W	201	285	< 0.2	8.76	430	< 0.5	< 2	2.07	< 0.5	13	77	27	3.50	0.81	1.97	745
L-18N 12+25W	201	285	< 0.2	6.35	70	0.5	< 2	0.36	< 0.5	2	13	15	1.38	0.15	0.55	300
L-18N 12+50W	201	285	< 0.2	8.34	240	< 0.5	< 2	1.22	< 0.5	12	183	41	4.27	0.35	3.79	965
L-18N 12+75W	201	285	< 0.2	8.77	290	< 0.5	< 2	2.05	< 0.5	17	108	37	4.90	0.52	3.22	995
L-18N 13+00W	201	285	< 0.2	8.74	160	< 0.5	< 2	0.86	< 0.5	6	63	27	4.67	0.39	3.69	1170

CERTIFICATION: [signature]

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To: WESTMIN RESOURCES LTD.
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L-16N 11+50W	201	285	< 0.2	8.03	330	0.5	< 2	0.61	< 0.5	4	11	10	2.52	1.27	0.90	340
L-16N 11+75W	201	285	< 0.2	8.90	370	0.5	< 2	0.87	< 0.5	10	57	21	3.80	1.06	2.54	825
L-16N 12+00W	201	285	< 0.2	8.38	370	< 0.5	< 2	2.17	< 0.5	15	67	21	4.01	0.71	2.35	715
L-16N 12+25W	201	285	< 0.2	8.49	190	< 0.5	< 2	2.34	< 0.5	17	113	43	5.70	0.82	2.57	920
L-16N 12+50W	201	285	< 0.2	8.93	240	< 0.5	< 2	2.29	< 0.5	16	49	56	4.99	0.51	2.50	1010
L-16N 12+75W	201	285	< 0.2	8.59	270	< 0.5	< 2	1.79	< 0.5	14	69	17	4.00	0.54	2.39	795
L-16N 13+00W	201	285	< 0.2	9.48	160	< 0.5	< 2	1.52	< 0.5	15	176	33	7.26	0.36	4.30	1525
L-16N 13+25W	201	285	< 0.2	8.46	350	< 0.5	< 2	2.02	< 0.5	14	96	27	4.31	0.51	2.80	745
L-16N 13+50W	201	285	< 0.2	8.03	360	< 0.5	< 2	2.27	< 0.5	16	86	24	4.18	0.61	2.47	785
L-16N 13+75W	201	285	< 0.2	8.60	350	< 0.5	2	2.51	< 0.5	15	76	18	3.94	0.61	2.30	690
L-16N 14+00W	201	285	< 0.2	8.91	200	< 0.5	< 2	1.92	< 0.5	25	86	89	5.93	0.38	3.47	1180
L-16N 14+25W	201	285	< 0.2	8.64	290	< 0.5	< 2	1.90	< 0.5	14	94	28	4.61	0.49	3.11	915
L-16N 14+50W	201	285	< 0.2	8.90	210	< 0.5	< 2	1.12	< 0.5	18	51	58	6.47	0.47	3.31	915
L-16N 14+75W	201	285	< 0.2	8.41	130	< 0.5	< 2	1.77	< 0.5	13	41	41	5.57	0.28	2.68	750
L-16N 15+00W	201	285	< 0.2	8.07	200	< 0.5	< 2	1.75	< 0.5	13	52	18	4.34	0.38	2.33	575
L-17N 08+50W	201	285	< 0.2	8.86	480	< 0.5	< 2	2.58	< 0.5	17	94	33	4.17	0.91	2.28	720
L-17N 08+75W	201	285	< 0.2	8.43	220	< 0.5	< 2	2.74	< 0.5	20	90	57	4.64	0.54	2.99	960
L-17N 09+00W	201	285	< 0.2	8.82	430	< 0.5	< 2	2.82	< 0.5	18	76	34	4.17	0.86	2.42	805
L-17N 09+25W	201	285	< 0.2	8.26	70	< 0.5	< 2	3.30	< 0.5	24	24	37	5.31	0.39	3.42	800
L-17N 09+50W	201	285	< 0.2	8.87	240	< 0.5	< 2	2.50	< 0.5	23	39	115	4.70	0.74	3.41	795
L-17N 09+75W	201	285	< 0.2	8.49	120	< 0.5	< 2	3.85	< 0.5	28	171	22	5.26	0.47	4.31	880
L-17N 10+00W	201	285	< 0.2	8.50	180	< 0.5	< 2	4.50	< 0.5	24	59	73	6.58	0.87	3.81	960
L-18N 08+75W	201	285	< 0.2	8.79	500	< 0.5	< 2	2.69	< 0.5	15	99	40	3.93	0.88	2.10	675
L-18N 09+00W	201	285	< 0.2	8.91	460	< 0.5	< 2	2.82	< 0.5	19	90	31	4.47	0.74	2.36	760
L-18N 09+25W	201	285	< 0.2	8.49	460	< 0.5	< 2	2.91	< 0.5	16	81	25	3.95	0.86	2.01	685
L-18N 09+50W	201	285	< 0.2	8.71	470	< 0.5	< 2	2.59	< 0.5	16	79	35	4.11	0.80	2.15	755
L-18N 09+75W	201	285	< 0.2	8.63	490	< 0.5	< 2	3.01	< 0.5	17	86	28	3.85	0.88	2.08	665
L-18N 10+00W	201	285	< 0.2	8.77	560	< 0.5	< 2	3.19	< 0.5	18	102	26	4.02	0.81	2.35	725
L-18N 10+25W	201	285	< 0.2	9.23	620	< 0.5	< 2	3.98	< 0.5	20	130	33	4.39	0.88	2.64	725
L-18N 10+50W	201	285	< 0.2	9.27	660	< 0.5	< 2	3.85	< 0.5	22	130	33	4.14	0.93	2.63	640
L-18N 10+75W	201	285	< 0.2	8.31	350	< 0.5	< 2	2.11	< 0.5	16	80	32	4.11	0.62	2.35	730
L-18N 11+00W	201	285	< 0.2	7.90	110	< 0.5	< 2	1.12	< 0.5	15	63	35	4.43	0.34	2.55	905
L-18N 11+25W	201	285	< 0.2	8.98	410	< 0.5	< 2	2.30	< 0.5	22	77	34	4.00	0.73	2.21	940
L-18N 11+50W	201	285	< 0.2	8.95	630	< 0.5	< 2	2.53	< 0.5	15	101	34	3.66	0.94	1.77	605
L-18N 11+75W	201	285	< 0.2	8.53	290	< 0.5	< 2	1.46	< 0.5	30	69	40	3.65	0.58	1.78	1090
L-18N 12+00W	201	285	< 0.2	8.76	430	< 0.5	< 2	2.07	< 0.5	13	77	27	3.50	0.81	1.97	745
L-18N 12+25W	201	285	< 0.2	6.35	70	0.5	< 2	0.36	< 0.5	2	13	15	1.38	0.15	0.55	300
L-18N 12+50W	201	285	< 0.2	8.34	240	< 0.5	< 2	1.22	< 0.5	12	183	41	4.27	0.35	3.79	965
L-18N 12+75W	201	285	< 0.2	8.77	290	< 0.5	< 2	2.05	< 0.5	17	108	37	4.90	0.52	3.22	995
L-18N 13+00W	201	285	< 0.2	8.74	160	< 0.5	< 2	0.86	< 0.5	6	63	27	4.67	0.39	3.69	1170

CERTIFICATION: Hart Bichler

Chemex Labs Ltd.
Analytical Chemists * Geochemists * Registered Assayers
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WESTMIN RESOURCES LTD.

P.O. Box 49066, The Bentall Centre
VANCOUVER, BC
V7X 1C4

Project :
Comments: ATTN: MURRAY JONES

Certificate Date: 12-JUN-94
Invoice No. : I9417321
P.O. Number :
Account : GP

CERTIFICATE OF ANALYSIS A9417321

SAMPLE	PREP CODE		Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)
L-16N 11+50W	201	285	< 1	3.03	5	120	< 2	90	0.21	43	< 10	46
L-16N 11+75W	201	285	< 1	2.60	12	310	< 2	111	0.25	91	< 10	102
L-16N 12+00W	201	285	< 1	3.08	22	320	< 2	346	0.40	129	10	60
L-16N 12+25W	201	285	< 1	2.58	46	1420	< 2	302	0.78	169	10	134
L-16N 12+50W	201	285	< 1	2.77	19	820	< 2	251	0.54	135	10	102
L-16N 12+75W	201	285	< 1	3.04	21	160	< 2	287	0.36	114	< 10	70
L-16N 13+00W	201	285	< 1	2.17	45	410	< 2	182	0.77	218	20	126
L-16N 13+25W	201	285	< 1	2.94	28	350	< 2	399	0.43	138	< 10	78
L-16N 13+50W	201	285	< 1	3.10	28	570	< 2	427	0.46	142	10	72
L-16N 13+75W	201	285	< 1	3.46	25	340	< 2	447	0.43	134	< 10	56
L-16N 14+00W	201	285	< 1	2.69	43	510	< 2	225	0.39	205	10	126
L-16N 14+25W	201	285	< 1	3.11	33	290	< 2	342	0.40	153	< 10	106
L-16N 14+50W	201	285	6	2.54	21	410	< 2	164	0.54	170	10	130
L-16N 14+75W	201	285	< 1	2.33	15	600	< 2	184	0.67	154	10	78
L-16N 15+00W	201	285	< 1	2.76	18	380	< 1	246	0.53	132	10	48
L-17N 08+50W	201	285	< 1	3.17	31	560	4	461	0.46	136	10	62
L-17N 08+75W	201	285	< 1	3.20	33	380	< 2	262	0.45	161	10	50
L-17N 09+00W	201	285	< 1	3.13	29	490	< 2	417	0.44	138	10	54
L-17N 09+25W	201	285	< 1	3.22	22	120	< 2	186	0.47	180	10	42
L-17N 09+50W	201	285	< 1	3.29	25	260	< 2	228	0.41	161	10	50
L-17N 09+75W	201	285	< 1	2.75	50	100	< 2	200	0.29	209	10	44
L-17N 10+00W	201	285	< 1	1.65	29	240	< 2	317	0.49	254	20	62
L-18N 08+75W	201	285	< 1	2.96	31	260	< 2	587	0.44	121	< 10	56
L-18N 09+00W	201	285	< 1	3.18	29	360	< 2	549	0.49	151	10	62
L-18N 09+25W	201	285	< 1	3.02	27	370	< 2	540	0.47	131	10	58
L-18N 09+50W	201	285	< 1	2.98	28	340	< 2	496	0.46	134	< 10	68
L-18N 09+75W	201	285	< 1	2.90	27	320	< 2	596	0.43	121	10	60
L-18N 10+00W	201	285	< 1	2.98	30	330	< 2	692	0.39	132	10	56
L-18N 10+25W	201	285	< 1	3.03	36	440	< 2	844	0.41	152	10	56
L-18N 10+50W	201	285	< 1	2.99	42	260	< 2	852	0.36	137	10	52
L-18N 10+75W	201	285	< 1	2.99	25	310	< 2	392	0.40	131	10	64
L-18N 11+00W	201	285	< 1	2.63	19	490	< 2	98	0.43	129	10	130
L-18N 11+25W	201	285	< 1	2.99	30	310	< 2	495	0.45	120	10	84
L-18N 11+50W	201	285	< 1	3.10	34	430	< 2	771	0.37	100	< 10	72
L-18N 11+75W	201	285	< 1	3.11	28	290	< 2	280	0.39	102	< 10	84
L-18N 12+00W	201	285	< 1	3.45	27	260	< 2	464	0.46	114	20	64
L-18N 12+25W	201	285	< 1	4.43	8	120	< 2	77	0.11	24	< 10	34
L-18N 12+50W	201	285	< 1	2.84	51	140	< 2	278	0.45	155	20	382
L-18N 12+75W	201	285	4	3.10	35	470	< 2	347	0.46	164	20	92
L-18N 13+00W	201	285	< 1	2.93	32	140	< 2	109	0.24	140	< 10	134

CERTIFICATION: Hart Bichler

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*Analytical Chemists * Geochemists * Registered Assayers*

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To: WESTMIN RESOURCES LTD.

P.O. Box 49066, The Bentall Centre
VANCOUVER, BC
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Project :
Comments: ATTN: MURRAY JONES

Certificate Date: 12-JUN-94
Invoice No. : I9417321
P.O. Number :
Account :GP

CERTIFICATE OF ANALYSIS A9417321

SAMPLE	PREP CODE		Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)	Mn ppm (ICP)
L-18N 13+25W	201	285	< 0.2	8.91	120	< 0.5	< 2	1.41	< 0.5	30	92	62	5.27	0.27	3.69	965
L-18N 13+50W	201	285	< 0.2	8.38	340	< 0.5	< 2	2.46	< 0.5	17	86	34	4.38	0.56	2.64	765
L-18N 13+75W	201	285	< 0.2	8.59	300	< 0.5	< 2	2.02	< 0.5	16	81	31	4.60	0.49	2.90	810
L-18N 14+00W	201	285	< 0.2	8.76	500	< 0.5	< 2	2.63	< 0.5	15	82	24	4.00	0.70	2.09	595
L-18N 14+25W	201	285	< 0.2	8.11	380	< 0.5	< 2	0.58	< 0.5	7	14	7	2.53	1.50	1.78	245
L-18N 14+50W	201	285	< 0.2	8.01	210	< 0.5	< 2	1.03	< 0.5	10	53	17	3.48	0.56	1.49	310
L-18N 14+75W	201	285	< 0.2	8.95	380	< 0.5	< 2	2.19	< 0.5	17	90	23	4.69	0.60	2.45	590
L-18N 15+00W	201	285	< 0.2	8.77	60	< 0.5	< 2	1.97	< 0.5	21	104	8	6.83	0.15	3.00	455
L-19N 09+25W	201	285	< 0.2	8.90	1010	< 0.5	< 2	3.22	< 0.5	12	76	27	3.28	1.57	1.21	485
L-19N 09+50W	201	285	< 0.2	8.80	410	< 0.5	< 2	3.17	< 0.5	22	75	81	4.49	0.65	3.10	675
L-19N 09+75W	201	285	< 0.2	8.65	350	< 0.5	< 2	3.66	< 0.5	26	108	42	4.84	0.81	3.42	745
L-19N 10+00W	201	285	< 0.2	8.96	620	< 0.5	< 2	3.72	< 0.5	20	114	54	4.27	0.93	2.36	610
L-19N 10+00W-A	201	285	< 0.2	8.56	450	< 0.5	< 2	3.45	< 0.5	20	73	48	4.50	0.77	2.65	660
L-20N 09+00W	201	285	< 0.2	9.05	720	< 0.5	< 2	4.45	< 0.5	18	122	23	4.03	0.94	1.85	510
L-20N 09+25W	201	285	< 0.2	9.45	810	< 0.5	< 2	4.36	< 0.5	15	90	23	3.25	1.02	1.56	425
L-20N 09+50W	201	285	< 0.2	8.05	170	< 0.5	< 2	3.49	< 0.5	27	22	94	6.74	0.81	3.64	965
L-20N 09+75W	201	285	< 0.2	8.13	190	< 0.5	< 2	4.01	< 0.5	31	49	81	6.33	0.88	4.36	850
L-20N 10+00W	201	285	< 0.2	8.53	450	< 0.5	< 2	3.15	< 0.5	18	71	33	3.96	0.89	2.02	925
L-20N 10+25W	201	285	< 0.2	8.91	550	< 0.5	< 2	3.46	< 0.5	17	89	25	4.22	0.81	2.08	680
L-20N 10+50W	201	285	< 0.2	8.39	310	< 0.5	< 2	2.61	< 0.5	16	65	18	3.89	0.59	2.27	675
L-20N 10+75W	201	285	< 0.2	9.17	620	< 0.5	< 2	3.15	< 0.5	18	105	28	4.20	0.87	2.43	695
L-20N 11+00W	201	285	< 0.2	8.48	380	< 0.5	< 2	2.20	< 0.5	20	62	34	5.25	0.70	2.82	955
L-20N 11+25W	201	285	< 0.2	8.20	190	< 0.5	< 2	1.59	< 0.5	28	85	80	5.39	0.82	3.27	675
L-20N 11+50W	201	285	< 0.2	8.58	270	< 0.5	< 2	2.90	< 0.5	22	66	64	5.14	0.50	2.52	845
L-20N 11+75W	201	285	< 0.2	8.62	180	< 0.5	< 2	1.57	< 0.5	20	49	38	6.83	0.34	3.58	745
L-20N 12+00W	201	285	< 0.2	9.42	210	< 0.5	< 2	1.12	< 0.5	13	40	29	4.79	0.38	3.05	605
L-20N 12+25W	201	285	< 0.2	8.99	380	< 0.5	< 2	2.45	< 0.5	20	114	32	4.75	0.60	2.69	890
L-20N 12+50W	201	285	< 0.2	8.65	430	< 0.5	< 2	2.69	< 0.5	16	91	26	4.27	0.61	2.32	725
L-20N 12+75W	201	285	< 0.2	5.90	230	< 0.5	< 2	1.11	< 0.5	9	46	26	2.67	0.28	1.41	465
L-20N 13+00W	201	285	< 0.2	8.19	350	< 0.5	< 2	2.08	< 0.5	16	83	39	4.57	0.44	2.28	850
L-20N 13+25W	201	285	< 0.2	8.34	260	< 0.5	< 2	1.92	< 0.5	15	46	11	4.81	0.44	2.62	685
L-20N 13+50W	201	285	< 0.2	8.72	340	< 0.5	< 2	1.76	< 0.5	14	72	28	4.30	0.49	2.72	690
L-20N 13+75W	201	285	< 0.2	7.17	60	0.5	< 2	0.61	< 0.5	4	8	3	1.83	0.17	0.51	135
L-20N 14+00W	201	285	< 0.2	6.72	100	< 0.5	< 2	1.12	< 0.5	6	26	4	2.24	0.28	1.11	225
L-20N 14+25W	201	285	< 0.2	8.46	320	< 0.5	< 2	1.77	< 0.5	15	64	14	4.13	0.50	2.07	510
L-20N 14+50W	201	285	< 0.2	8.57	80	< 0.5	< 2	3.44	< 0.5	17	20	3	5.69	0.19	2.84	625
L-20N 14+75W	201	285	< 0.2	9.42	80	< 0.5	< 2	1.22	< 0.5	16	45	11	5.91	0.18	2.89	340
L-20N 15+00W	201	285	< 0.2	8.66	480	< 0.5	< 2	2.04	< 0.5	13	67	17	4.05	0.73	1.71	425
L-22N 10+25W	201	285	< 0.2	9.55	830	< 0.5	< 2	3.27	< 0.5	17	162	34	3.83	1.19	1.72	505
L-22N 10+50W	201	285	< 0.2	9.07	730	< 0.5	< 2	2.90	< 0.5	14	101	40	3.65	1.12	1.39	745

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L-18N 13+25W	201	285	< 1	2.21	42	300	< 2	185	0.31	183	10	158
L-18N 13+50W	201	285	< 1	2.98	30	330	< 2	416	0.41	147	10	80
L-18N 13+75W	201	285	< 1	2.98	29	360	< 2	343	0.42	149	10	98
L-18N 14+00W	201	285	< 1	3.10	27	270	< 2	591	0.46	136	10	64
L-18N 14+25W	201	285	< 1	2.03	5	120	< 2	87	0.14	40	< 10	16
L-18N 14+50W	201	285	< 1	2.54	17	240	< 2	168	0.24	84	10	30
L-18N 14+75W	201	285	2	2.69	28	350	< 2	453	0.42	136	20	58
L-18N 15+00W	201	285	< 1	1.82	30	600	< 2	148	0.59	172	20	30
L-19N 09+25W	201	285	< 1	3.06	24	740	10	987	0.38	103	10	50
L-19N 09+50W	201	285	< 1	3.16	32	220	2	526	0.43	151	10	44
L-19N 09+75W	201	285	< 1	2.47	37	350	< 2	389	0.36	164	20	62
L-19N 10+00W	201	285	< 1	2.91	41	250	4	692	0.42	145	20	52
L-19N 10+00W-A	201	285	< 1	3.02	28	240	< 2	561	0.40	165	10	54
L-20N 09+00W	201	285	< 1	2.83	39	470	6	1155	0.47	150	10	52
L-20N 09+25W	201	285	1	2.99	30	370	6	1275	0.39	116	10	42
L-20N 09+50W	201	285	< 1	2.53	14	290	< 2	248	0.54	316	20	70
L-20N 09+75W	201	285	< 1	2.30	27	220	< 2	257	0.37	265	20	66
L-20N 10+00W	201	285	< 1	2.58	30	840	4	462	0.42	121	10	70
L-20N 10+25W	201	285	< 1	3.10	32	520	4	610	0.48	147	10	60
L-20N 10+50W	201	285	< 1	3.13	22	310	< 2	344	0.45	127	10	60
L-20N 10+75W	201	285	< 1	3.15	33	430	< 2	655	0.43	148	10	52
L-20N 11+00W	201	285	< 1	2.73	20	670	< 2	388	0.58	207	20	100
L-20N 11+25W	201	285	< 1	2.87	24	300	< 2	198	0.47	167	10	98
L-20N 11+50W	201	285	< 1	2.70	35	460	< 2	383	0.37	178	20	86
L-20N 11+75W	201	285	< 1	2.83	18	950	< 2	194	0.79	243	20	94
L-20N 12+00W	201	285	< 1	3.55	12	660	< 2	217	0.54	125	10	124
L-20N 12+25W	201	285	< 1	3.12	42	240	< 2	465	0.51	163	10	102
L-20N 12+50W	201	285	< 1	3.21	30	380	< 2	544	0.51	158	10	68
L-20N 12+75W	201	285	2	2.28	18	330	< 2	235	0.22	79	< 10	50
L-20N 13+00W	201	285	2	2.58	31	600	< 2	393	0.49	158	10	80
L-20N 13+25W	201	285	< 1	2.63	16	390	< 2	243	0.60	153	10	50
L-20N 13+50W	201	285	< 1	3.07	26	250	< 2	326	0.47	151	10	70
L-20N 13+75W	201	285	< 1	3.48	4	150	< 2	68	0.12	18	< 10	6
L-20N 14+00W	201	285	2	2.60	8	110	< 2	135	0.16	47	10	14
L-20N 14+25W	201	285	< 1	2.70	22	340	< 2	300	0.43	117	10	44
L-20N 14+50W	201	285	< 1	1.93	10	530	< 2	224	0.51	224	20	20
L-20N 14+75W	201	285	3	1.79	18	220	< 2	144	0.54	165	20	26
L-20N 15+00W	201	285	< 1	2.45	23	330	< 2	498	0.49	127	10	36
L-22N 10+25W	201	285	< 1	2.55	47	1130	6	936	0.45	109	10	70
L-22N 10+50W	201	285	< 1	2.46	35	450	4	812	0.43	107	10	74

CERTIFICATION:

Chemex Labs Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

WESTMIN RESOURCES LTD.

P.O. Box 49066, The Bentall Centre
VANCOUVER, BC
V7X 1C4

Project :
Comments: ATTN: MURRAY JONES

Certificate Date: 12-JUN-94
Invoice No. : I9417321
P.O. Number :
Account : GP

CERTIFICATE OF ANALYSIS A9417321

SAMPLE	PREP CODE		Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)	Mn ppm (ICP)
L-22N 10+75W	201	285	< 0.2	9.42	840	< 0.5	< 2	3.27	< 0.5	14	124	29	3.79	1.20	1.55	480
L-22N 11+00W	201	285	< 0.2	9.62	780	< 0.5	< 2	3.08	< 0.5	15	92	28	3.77	1.03	1.56	485
L-22N 11+25W	201	285	< 0.2	10.25	890	< 0.5	< 2	3.77	< 0.5	16	113	26	3.86	1.13	1.76	485
L-22N 11+50W	201	285	< 0.2	9.69	850	< 0.5	< 2	3.75	< 0.5	18	123	27	4.05	1.07	1.83	535
L-22N 11+75W	201	285	< 0.2	10.00	900	< 0.5	< 2	3.97	< 0.5	15	94	24	3.51	1.12	1.61	465
L-22N 12+00W	201	285	< 0.2	9.70	860	< 0.5	< 2	3.61	< 0.5	15	107	26	3.64	1.15	1.69	545
L-22N 12+25W	201	285	< 0.2	9.45	600	< 0.5	< 2	2.64	< 0.5	16	85	25	4.38	0.81	2.36	550
L-22N 12+50W	201	285	< 0.2	8.43	580	< 0.5	< 2	3.06	< 0.5	16	95	27	4.56	0.76	1.95	875
L-22N 12+75W	201	285	< 0.2	8.80	490	< 0.5	< 2	2.14	< 0.5	14	70	22	3.93	0.77	2.19	600
L-22N 13+00W	201	285	< 0.2	8.99	750	< 0.5	< 2	3.16	< 0.5	14	91	22	3.65	1.02	1.59	510
L-22N 13+25W	201	285	< 0.2	8.80	660	< 0.5	< 2	2.74	< 0.5	13	79	19	3.65	0.91	1.63	490
L-22N 13+50W	201	285	< 0.2	8.82	540	< 0.5	< 2	2.58	< 0.5	16	77	19	3.84	0.88	1.76	555
L-22N 13+75W	201	285	< 0.2	9.41	690	< 0.5	< 2	3.09	< 0.5	15	85	23	3.96	1.00	1.63	515
L-22N 14+00W	201	285	< 0.2	9.19	700	< 0.5	< 2	3.20	< 0.5	15	81	20	3.55	0.99	1.55	490
L-22N 14+25W	201	285	< 0.2	9.05	580	< 0.5	< 2	2.77	< 0.5	13	74	21	3.63	1.01	1.50	570
L-22N 14+50W	201	285	< 0.2	9.91	680	< 0.5	< 2	2.59	< 0.5	13	71	27	3.96	0.96	1.19	390
L-22N 14+75W	201	285	< 0.2	8.83	410	< 0.5	< 2	2.43	< 0.5	14	55	15	4.08	0.61	1.77	595
L-22N 15+00W	201	285	< 0.2	8.25	280	< 0.5	< 2	1.09	< 0.5	11	25	12	3.06	0.64	0.93	350
DUPLICATE#23	201	285	< 0.2	8.17	150	< 0.5	< 2	1.88	< 0.5	14	40	24	4.45	0.46	2.47	1105
DUPLICATE#24	201	285	< 0.2	7.98	390	< 0.5	< 2	1.79	< 0.5	12	48	35	3.67	0.86	1.52	1065
DUPLICATE#25	201	285	< 0.2	10.20	710	< 0.5	< 2	2.64	< 0.5	13	72	29	4.06	0.98	1.20	410

CERTIFICATION: Hart Bichler

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WESTMIN RESOURCES LTD.

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Project :
Comments: ATTN: MURRAY JONES

Page Number :7-B
Total Pages :7
Certificate Date: 12-JUN-94
Invoice No. : I9417321
P.O. Number :
Account :GP

CERTIFICATE OF ANALYSIS A9417321

SAMPLE	PREP CODE		Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)
L-22N 10+75W	201	285	< 1	2.75	36	640	4	957	0.48	120	10	60
L-22N 11+00W	201	285	< 1	2.51	36	1030	4	855	0.45	122	10	70
L-22N 11+25W	201	285	< 1	2.85	35	480	6	1135	0.45	133	< 10	52
L-22N 11+50W	201	285	< 1	2.73	37	600	4	1135	0.46	148	< 10	58
L-22N 11+75W	201	285	< 1	2.99	32	670	6	1305	0.43	125	< 10	46
L-22N 12+00W	201	285	< 1	2.78	37	1220	6	1070	0.44	125	< 10	62
L-22N 12+25W	201	285	< 1	2.93	25	660	4	728	0.48	149	< 10	58
L-22N 12+50W	201	285	< 1	2.76	29	840	< 2	716	0.59	161	10	56
L-22N 12+75W	201	285	< 1	2.94	26	350	< 2	508	0.45	141	10	72
L-22N 13+00W	201	285	< 1	2.87	29	420	4	910	0.47	128	10	54
L-22N 13+25W	201	285	< 1	3.14	26	320	4	770	0.48	128	10	56
L-22N 13+50W	201	285	< 1	2.98	27	620	4	614	0.50	130	10	70
L-22N 13+75W	201	285	< 1	2.94	30	540	2	809	0.49	139	< 10	62
L-22N 14+00W	201	285	< 1	3.11	25	360	2	905	0.45	127	10	50
L-22N 14+25W	201	285	< 1	2.83	29	510	4	653	0.50	118	10	68
L-22N 14+50W	201	285	< 1	2.23	40	580	4	690	0.43	126	< 10	66
L-22N 14+75W	201	285	< 1	2.95	22	490	< 2	467	0.55	136	< 10	58
L-22N 15+00W	201	285	< 1	3.07	14	410	< 2	205	0.31	75	< 10	54
DUPLICATE#23	201	285	< 1	2.77	13	470	< 2	170	0.45	134	< 10	120
DUPLICATE#24	201	285	1	2.48	18	600	2	258	0.41	106	< 10	142
DUPLICATE#25	201	285	< 1	2.28	41	580	4	706	0.44	127	< 10	68

CERTIFICATION: Hart Bichler

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WESTMIN RESOURCES LTD.

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VANCOUVER, BC
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A9417028

Comments: ATTN:MURRAY JONES

CERTIFICATE A9417028

WESTMIN RESOURCES LTD.

Project: 6107
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 8-JUN-94.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201	247	Dry, sieve to -80 mesh
285	247	ICP - HF digestion charge

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
578	247	Ag ppm: 24 element, rock & core	AAS	0.2	100.0
573	247	Al %: 24 element, rock & core	ICP-AES	0.01	25.0
565	247	Ba ppm: 24 element, rock & core	ICP-AES	10	10000
575	247	Be ppm: 24 element, rock & core	ICP-AES	0.5	10000
561	247	Bi ppm: 24 element, rock & core	ICP-AES	2	10000
576	247	Ca %: 24 element, rock & core	ICP-AES	0.01	25.0
562	247	Cd ppm: 24 element, rock & core	ICP-AES	0.5	10000
563	247	Co ppm: 24 element, rock & core	ICP-AES	1	10000
569	247	Cr ppm: 24 element, rock & core	ICP-AES	1	10000
577	247	Cu ppm: 24 element, rock & core	ICP-AES	1	10000
566	247	Fe %: 24 element, rock & core	ICP-AES	0.01	25.0
584	247	K %: 24 element, rock & core	ICP-AES	0.01	20.0
570	247	Mg %: 24 element, rock & core	ICP-AES	0.01	20.0
568	247	Mn ppm: 24 element, rock & core	ICP-AES	5	10000
554	247	Mo ppm: 24 element, rock & core	ICP-AES	1	10000
583	247	Na %: 24 element, rock & core	ICP-AES	0.01	5.00
564	247	Ni ppm: 24 element, rock & core	ICP-AES	1	10000
559	247	P ppm: 24 element, rock & core	ICP-AES	10	10000
560	247	Pb ppm: 24 element, rock & core	AAS	2	10000
582	247	Sr ppm: 24 element, rock & core	ICP-AES	1	10000
579	247	Ti %: 24 element, rock & core	ICP-AES	0.01	10.00
572	247	V ppm: 24 element, rock & core	ICP-AES	1	10000
556	247	W ppm: 24 element, rock & core	ICP-AES	10	10000
558	247	Zn ppm: 24 element, rock & core	ICP-AES	2	10000

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WESTMIN RESOURCES LTD.

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V7X 1C4

Project : 6107
Comments: ATTN:MURRAY JONES

Certificate Date: 08-JUN-94
Invoice No. : I9417028
P.O. Number :
Account : GP

CERTIFICATE OF ANALYSIS A9417028

SAMPLE	PREP CODE		Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)	Mn ppm (ICP)
DUPLICATE#1	201	285	< 0.2	9.39	140	0.5	< 2	2.28	0.5	17	27	11	5.14	0.33	2.88	715
DUPLICATE#2	201	285	< 0.2	7.60	150	1.0	< 2	1.17	< 0.5	11	19	10	2.83	0.41	1.87	465
DUPLICATE#3	201	285	< 0.2	8.22	340	0.5	< 2	2.24	< 0.5	16	88	28	4.17	0.53	2.24	840
DUPLICATE#4	201	285	< 0.2	9.07	160	0.5	< 2	0.94	1.0	19	35	59	7.60	0.40	3.73	780
DUPLICATE#5	201	285	< 0.2	7.75	190	0.5	< 2	1.72	0.5	14	51	18	4.41	0.34	2.31	545
DUPLICATE#6	201	285	< 0.2	5.42	710	< 0.5	< 2	3.26	0.5	8	88	9	1.83	0.42	1.63	370
DUPLICATE#7	201	285	< 0.2	9.44	820	0.5	< 2	4.04	< 0.5	19	149	31	4.25	1.04	2.14	605
DUPLICATE#8	201	285	< 0.2	7.66	150	0.5	< 2	0.62	< 0.5	4	17	15	1.99	0.42	1.14	385
DUPLICATE#9	201	285	< 0.2	6.71	150	0.5	< 2	1.09	< 0.5	7	23	31	3.18	0.33	1.35	680
DUPLICATE#10	201	285	< 0.2	7.14	240	0.5	< 2	1.49	< 0.5	9	32	24	3.34	0.52	1.68	720
DUPLICATE#11	201	285	< 0.2	7.64	150	< 0.5	< 2	1.76	0.5	6	40	193	7.31	0.40	3.39	2050
DUPLICATE#12	201	285	< 0.2	8.63	320	0.5	< 2	1.69	0.5	20	59	135	4.78	0.93	3.01	695
DUPLICATE#13	201	285	0.8	8.06	310	0.5	< 2	1.75	1.0	11	27	63	4.34	0.80	1.88	860
DUPLICATE#14A	201	285	< 0.2	7.97	380	0.5	< 2	1.18	0.5	14	57	49	3.84	0.89	1.74	790
DUPLICATE#14B	201	285	< 0.2	7.21	290	0.5	< 2	0.31	0.5	5	11	19	3.33	0.78	1.69	580
DUPLICATE#15	201	285	< 0.2	8.08	150	0.5	< 2	1.56	< 0.5	15	72	21	4.83	0.45	3.25	1260
DUPLICATE#16	201	285	< 0.2	8.00	220	0.5	< 2	1.87	< 0.5	14	54	34	4.37	0.48	2.31	990
DUPLICATE#17	201	285	< 0.2	8.15	140	0.5	< 2	1.39	< 0.5	14	66	36	4.53	0.41	2.80	1075
DUPLICATE#18	201	285	0.4	7.26	200	0.5	< 2	1.25	< 0.5	8	32	24	3.30	0.38	1.86	795
DUPLICATE#19	201	285	0.2	7.68	180	0.5	< 2	1.07	< 0.5	11	39	36	4.03	0.37	2.41	895
DUPLICATE#20	201	285	< 0.2	7.52	210	0.5	< 2	1.33	< 0.5	10	31	23	3.47	0.41	1.91	820
DUPLICATE#21	201	285	< 0.2	7.31	220	0.5	< 2	1.17	< 0.5	11	29	52	4.15	0.49	1.81	825
DUPLICATE#22	201	285	< 0.2	8.15	140	0.5	< 2	0.83	< 0.5	7	7	24	3.60	0.33	1.14	440
L6N-5+50W	201	285	< 0.2	7.77	370	0.5	< 2	1.96	< 0.5	13	36	22	3.64	0.73	1.61	780
L6N-5+75W	201	285	< 0.2	7.66	320	0.5	< 2	2.29	< 0.5	13	47	23	3.69	0.65	1.78	730
L6N-6+00W	201	285	< 0.2	8.06	340	0.5	< 2	1.67	1.0	15	20	25	4.66	0.84	2.25	775
L6N-6+25W	201	285	< 0.2	7.82	370	0.5	< 2	2.30	< 0.5	12	39	23	3.34	0.68	1.53	680
L6N-6+50W	201	285	< 0.2	8.52	180	0.5	< 2	1.65	0.5	15	50	36	4.69	0.54	3.04	980
L6N-6+75W	201	285	< 0.2	7.57	210	0.5	< 2	1.56	< 0.5	15	31	49	4.07	0.52	1.86	1415
L6N-7+00W	201	285	< 0.2	7.93	170	0.5	< 2	1.38	0.5	11	45	27	4.77	0.47	2.67	1065
L6N-7+25W	201	285	< 0.2	7.14	70	0.5	< 2	0.95	< 0.5	8	23	24	6.06	0.22	1.58	525
L6N-7+50W	201	285	< 0.2	8.42	170	0.5	< 2	1.66	< 0.5	9	18	22	4.67	0.37	2.36	1120
L6N-7+75W	201	285	< 0.2	7.98	230	0.5	< 2	1.39	< 0.5	8	18	45	3.64	0.47	1.80	780
L6N-8+00W	201	285	< 0.2	7.56	120	0.5	< 2	0.63	< 0.5	9	7	40	3.25	0.25	0.66	360
L6N-8+25W	201	285	< 0.2	7.57	180	0.5	< 2	1.81	0.5	10	32	43	3.66	0.32	1.69	855
L6N-8+50W	201	285	< 0.2	8.32	320	0.5	< 2	1.49	< 0.5	12	37	53	4.22	0.47	2.25	960
L6N-8+75W	201	285	< 0.2	8.68	490	0.5	< 2	0.86	0.5	7	19	80	5.00	0.57	3.20	960
L6N-9+00W	201	285	< 0.2	7.76	450	0.5	< 2	0.98	< 0.5	17	18	190	4.35	0.82	2.50	895
L6N-9+25W	201	285	< 0.2	7.14	310	0.5	< 2	1.53	< 0.5	9	34	61	3.31	0.56	1.87	795
L6N-9+50W	201	285	< 0.2	8.60	630	1.0	< 2	1.07	0.5	11	28	279	3.56	1.18	1.84	960

CERTIFICATION:

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To: WESTMIN RESOURCES LTD.

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Project : 6107
Comments: ATTN:MURRAY JONES

Certificate Date: 08-JUN-94
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CERTIFICATE OF ANALYSIS A9417028

SAMPLE	PREP CODE		Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)
DUPLICATE#1	201	285	3	3.33	7	560	< 2	205	0.52	133	< 10	52
DUPLICATE#2	201	285	1	3.07	6	280	< 2	115	0.27	74	< 10	52
DUPLICATE#3	201	285	2	2.87	31	440	< 2	377	0.52	147	< 10	72
DUPLICATE#4	201	285	6	2.23	17	480	< 2	112	0.62	203	< 10	112
DUPLICATE#5	201	285	2	2.54	17	460	< 2	232	0.52	136	< 10	44
DUPLICATE#6	201	285	< 1	1.71	13	270	4	773	0.18	52	< 10	38
DUPLICATE#7	201	285	2	2.79	44	910	6	1140	0.47	154	< 10	62
DUPLICATE#8	201	285	2	4.27	8	180	< 2	58	0.17	49	< 10	34
DUPLICATE#9	201	285	2	2.89	8	290	< 2	112	0.43	91	< 10	88
DUPLICATE#10	201	285	2	2.54	12	340	< 2	163	0.40	94	< 10	124
DUPLICATE#11	201	285	4	2.49	10	800	< 2	158	0.80	196	< 10	616
DUPLICATE#12	201	285	2	2.52	20	400	< 2	220	0.38	149	< 10	248
DUPLICATE#13	201	285	3	2.92	10	420	6	235	0.68	156	< 10	654
DUPLICATE#14A	201	285	3	2.45	20	370	< 2	168	0.32	119	< 10	86
DUPLICATE#14B	201	285	3	2.84	3	260	< 2	45	0.14	61	< 10	140
DUPLICATE#15	201	285	3	2.47	21	500	< 2	146	0.46	134	< 10	134
DUPLICATE#16	201	285	4	2.58	17	450	< 2	235	0.44	129	< 10	108
DUPLICATE#17	201	285	2	2.61	19	410	< 2	121	0.36	120	< 10	132
DUPLICATE#18	201	285	2	3.13	11	280	< 2	150	0.45	101	< 10	98
DUPLICATE#19	201	285	3	3.00	12	380	< 2	123	0.40	118	< 10	132
DUPLICATE#20	201	285	2	3.15	9	370	< 2	157	0.46	106	< 10	106
DUPLICATE#21	201	285	3	2.31	12	440	< 2	109	0.35	104	< 10	120
DUPLICATE#22	201	285	5	3.56	2	290	< 2	82	0.30	64	< 10	44
L6N-5+50W	201	285	1	2.46	14	810	< 2	300	0.45	103	< 10	148
L6N-5+75W	201	285	1	2.47	15	610	< 2	319	0.42	112	< 10	150
L6N-6+00W	201	285	3	2.70	8	1160	< 2	193	0.68	144	< 10	212
L6N-6+25W	201	285	2	2.92	13	310	< 2	389	0.43	100	< 10	226
L6N-6+50W	201	285	< 1	2.51	16	250	< 2	169	0.45	152	< 10	160
L6N-6+75W	201	285	2	2.59	12	540	< 2	188	0.49	114	< 10	118
L6N-7+00W	201	285	2	2.48	14	590	< 2	161	0.48	132	< 10	152
L6N-7+25W	201	285	4	3.20	5	690	< 2	86	0.32	83	< 10	52
L6N-7+50W	201	285	3	2.84	6	490	< 2	178	0.53	125	< 10	136
L6N-7+75W	201	285	2	2.83	7	510	< 2	152	0.43	93	< 10	146
L6N-8+00W	201	285	4	3.03	4	460	< 2	66	0.25	33	< 10	62
L6N-8+25W	201	285	2	2.84	10	350	< 2	163	0.48	101	< 10	138
L6N-8+50W	201	285	3	2.65	14	510	< 2	154	0.42	101	< 10	222
L6N-8+75W	201	285	1	2.17	7	710	20	101	0.44	139	< 10	212
L6N-9+00W	201	285	13	1.41	9	370	< 2	113	0.30	76	< 10	462
L6N-9+25W	201	285	4	2.33	10	200	< 2	150	0.31	90	< 10	138
L6N-9+50W	201	285	6	2.10	12	730	< 2	148	0.27	70	< 10	574

CERTIFICATION: Hart Bichler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
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WESTMIN RESOURCES LTD.

P.O. Box 49066, The Bentall Centre
VANCOUVER, BC
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Project : 6107
Comments: ATTN:MURRAY JONES

Page Number :2-A
Total Pages :7
Certificate Date: 08-JUN-94
Invoice No. : I9417028
P.O. Number :
Account : GP

CERTIFICATE OF ANALYSIS A9417028

SAMPLE	PREP CODE		Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)	Mn ppm (ICP)
L6N-9+75W	201	285	< 0.2	7.44	380	0.5	< 2	1.51	1.0	10	35	68	3.28	0.71	1.51	795
L6N-10+00W	201	285	< 0.2	8.30	1470	1.0	< 2	0.96	1.5	7	27	44	4.22	1.07	1.78	695
L7N-6+00W	201	285	< 0.2	7.79	450	0.5	< 2	2.67	< 0.5	13	78	27	3.84	0.74	1.60	705
L7N-6+25W	201	285	< 0.2	7.78	420	0.5	< 2	2.63	< 0.5	12	70	30	3.88	0.72	1.74	775
L7N-6+50W	201	285	< 0.2	8.02	220	0.5	< 2	1.88	0.5	15	55	127	4.51	0.41	2.75	975
L7N-6+75W	201	285	< 0.2	7.80	290	0.5	< 2	1.88	< 0.5	13	67	35	4.10	0.65	2.64	980
L7N-7+00W	201	285	< 0.2	7.41	220	0.5	< 2	2.07	< 0.5	13	41	30	3.95	0.50	2.00	985
L7N-7+25W	201	285	< 0.2	8.18	90	0.5	< 2	0.71	< 0.5	9	20	208	5.17	0.27	1.71	725
L7N-7+50W	201	285	0.2	7.84	290	0.5	< 2	1.25	0.5	8	46	41	5.33	0.60	3.13	1090
L7N-7+75W	201	285	< 0.2	8.30	180	0.5	< 2	1.24	0.5	9	25	134	3.85	0.45	1.51	660
L7N-8+00W	201	285	< 0.2	7.41	250	0.5	< 2	1.59	< 0.5	8	32	49	3.66	0.44	1.49	690
L7N-8+25W	201	285	< 0.2	8.07	140	0.5	< 2	1.22	< 0.5	9	32	117	4.13	0.33	1.83	710
L7N-8+50W	201	285	< 0.2	7.99	160	0.5	< 2	1.10	< 0.5	10	18	55	4.00	0.35	1.80	705
L7N-8+75W	201	285	< 0.2	7.92	190	0.5	< 2	1.32	< 0.5	8	31	62	3.86	0.41	1.84	650
L7N-9+00W	201	285	< 0.2	7.98	360	0.5	< 2	1.07	< 0.5	7	28	74	3.98	0.84	2.06	600
L7N-9+25W	201	285	< 0.2	7.52	370	0.5	< 2	0.96	< 0.5	7	22	76	3.67	0.75	1.98	575
L7N-9+50W	201	285	0.4	8.95	760	0.5	< 2	0.19	< 0.5	2	16	20	5.69	1.80	5.01	785
L7N-9+75W	201	285	0.2	8.66	710	0.5	< 2	1.06	0.5	8	24	36	3.53	1.38	2.73	875
L7N-10+00W	201	285	1.8	8.98	850	0.5	< 2	0.81	< 0.5	6	23	128	5.98	1.67	3.05	690
L8N-6+00W	201	285	< 0.2	8.41	490	0.5	< 2	2.65	< 0.5	13	67	26	3.64	0.82	1.61	790
L8N-6+25W	201	285	< 0.2	8.25	320	0.5	< 2	2.33	0.5	10	56	48	4.57	0.84	2.14	1145
L8N-6+50W	201	285	< 0.2	8.33	160	< 0.5	< 2	1.26	1.0	17	45	112	5.30	0.39	3.31	1070
L8N-6+75W	201	285	< 0.2	8.74	80	< 0.5	< 2	1.04	< 0.5	24	120	123	6.24	0.23	5.22	1570
L8N-7+00W	201	285	< 0.2	8.57	130	< 0.5	< 2	1.30	< 0.5	12	54	78	5.69	0.41	2.77	1015
L8N-7+25W	201	285	< 0.2	8.16	110	< 0.5	< 2	1.32	0.5	16	67	79	5.03	0.37	3.72	1185
L8N-7+50W	201	285	< 0.2	8.80	150	0.5	< 2	2.35	0.5	19	82	53	4.21	0.44	3.31	1105
L8N-7+75W	201	285	< 0.2	8.05	130	0.5	< 2	1.50	< 0.5	10	45	29	4.95	0.40	2.89	1030
L8N-8+00W	201	285	< 0.2	7.96	140	0.5	< 2	1.26	< 0.5	7	31	49	4.34	0.34	2.30	1055
L8N-8+25W	201	285	< 0.2	8.17	80	0.5	< 2	1.62	< 0.5	14	98	61	5.01	0.24	3.27	1260
L8N-8+50W	201	285	< 0.2	8.35	110	1.0	< 2	1.17	< 0.5	9	15	83	3.27	0.25	1.64	650
L8N-8+75W	201	285	< 0.2	8.12	310	0.5	< 2	1.33	0.5	8	50	55	5.64	0.56	3.17	1080
L8N-9+00W	201	285	0.8	7.88	330	0.5	< 2	1.05	< 0.5	6	39	45	5.12	0.63	2.66	875
L8N-9+25W	201	285	2.6	8.06	390	0.5	< 2	0.49	< 0.5	3	46	46	5.82	0.88	3.87	1000
L8N-9+50W	201	285	0.4	7.59	390	< 0.5	< 2	0.89	0.5	3	100	49	7.05	0.85	3.99	1145
L8N-9+75W	201	285	< 0.2	7.92	530	0.5	< 2	1.81	0.5	11	52	48	4.16	0.60	2.31	920
L8N-10+00W	201	285	0.8	9.50	2220	1.0	< 2	0.86	< 0.5	11	57	138	4.50	1.35	3.76	1235
L8N-10+25W	201	285	< 0.2	8.21	390	0.5	< 2	1.64	< 0.5	14	54	56	4.22	0.58	2.44	1060
L8N-10+50W	201	285	< 0.2	8.63	370	0.5	< 2	0.75	0.5	4	30	19	5.74	0.70	4.09	1340
L8N-10+75W	201	285	< 0.2	8.17	250	0.5	< 2	1.17	< 0.5	8	27	23	2.77	0.59	1.37	600
L8N-11+00W	201	285	< 0.2	8.20	300	0.5	< 2	1.98	0.5	14	49	40	4.13	0.54	2.32	1145

CERTIFICATION:

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Project : 6107
Comments: ATTN:MURRAY JONES

Certificate Date: 08-JUN-94
Invoice No. : 19417028
P.O. Number :
Account : GP

CERTIFICATE OF ANALYSIS A9417028

SAMPLE	PREP CODE		Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)
L6N-9+75W	201	285	2	2.31	12	360	< 2	192	0.32	80	< 10	742
L6N-10+00W	201	285	3	2.60	9	570	< 2	117	0.25	86	< 10	1170
L7N-6+00W	201	285	1	2.55	25	900	< 2	488	0.48	127	< 10	112
L7N-6+25W	201	285	2	2.61	20	500	< 2	441	0.46	129	< 10	110
L7N-6+50W	201	285	3	2.60	19	600	< 2	203	0.51	145	< 10	456
L7N-6+75W	201	285	2	2.41	21	260	< 2	238	0.44	139	< 10	210
L7N-7+00W	201	285	2	2.47	15	430	< 2	217	0.47	128	< 10	122
L7N-7+25W	201	285	2	2.67	8	360	< 2	66	0.50	141	< 10	200
L7N-7+50W	201	285	3	2.33	14	530	< 2	134	0.53	203	< 10	188
L7N-7+75W	201	285	1	3.12	10	350	< 2	120	0.40	78	< 10	178
L7N-8+00W	201	285	3	2.82	10	300	< 2	174	0.51	100	< 10	152
L7N-8+25W	201	285	3	3.07	10	350	< 2	106	0.40	80	< 10	126
L7N-8+50W	201	285	2	3.02	9	460	< 2	122	0.39	88	< 10	96
L7N-8+75W	201	285	3	2.93	9	300	< 2	132	0.46	90	< 10	102
L7N-9+00W	201	285	6	2.37	8	310	< 2	105	0.37	86	< 10	80
L7N-9+25W	201	285	5	2.18	5	300	< 2	92	0.32	72	< 10	90
L7N-9+50W	201	285	35	0.51	3	220	< 2	34	0.12	33	< 10	92
L7N-9+75W	201	285	7	1.41	7	320	2	137	0.22	82	< 10	112
L7N-10+00W	201	285	40	1.22	6	440	6	122	0.23	82	< 10	166
L8N-6+00W	201	285	2	2.63	22	930	4	485	0.47	112	< 10	172
L8N-6+25W	201	285	5	2.99	15	660	14	217	0.67	172	< 10	516
L8N-6+50W	201	285	2	2.79	17	550	< 2	139	0.52	161	< 10	454
L8N-6+75W	201	285	4	2.56	36	390	< 2	57	0.46	224	< 10	270
L8N-7+00W	201	285	6	2.39	15	600	< 2	96	0.56	183	< 10	394
L8N-7+25W	201	285	1	2.55	19	440	< 2	97	0.45	181	< 10	216
L8N-7+50W	201	285	1	3.02	34	230	< 2	130	0.30	158	< 10	152
L8N-7+75W	201	285	4	2.87	14	220	< 2	97	0.53	145	< 10	114
L8N-8+00W	201	285	4	3.04	9	350	< 2	101	0.48	102	< 10	122
L8N-8+25W	201	285	3	2.68	21	260	< 2	77	0.38	130	< 10	140
L8N-8+50W	201	285	< 1	4.00	8	100	< 2	99	0.33	69	< 10	92
L8N-8+75W	201	285	9	2.50	13	360	8	115	0.38	146	10	188
L8N-9+00W	201	285	14	2.26	13	380	10	121	0.35	115	< 10	172
L8N-9+25W	201	285	38	1.28	11	390	26	57	0.14	149	< 10	314
L8N-9+50W	201	285	2	1.91	22	1390	< 2	98	0.28	153	< 10	170
L8N-9+75W	201	285	4	2.42	18	630	4	210	0.34	136	< 10	192
L8N-10+00W	201	285	4	2.16	16	440	86	122	0.26	127	< 10	352
L8N-10+25W	201	285	4	2.51	19	510	4	199	0.42	133	< 10	208
L8N-10+50W	201	285	2	2.07	10	700	< 2	89	0.26	114	< 10	148
L8N-10+75W	201	285	1	3.64	11	260	< 2	124	0.26	81	< 10	86
L8N-11+00W	201	285	1	2.65	22	700	4	190	0.35	126	< 10	152

CERTIFICATION: Hart Bichler

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To: WESTMIN RESOURCES LTD.

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CERTIFICATE OF ANALYSIS A9417028

SAMPLE	PREP CODE		Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)	Mn ppm (ICP)
L8N-11+25W	201	285	< 0.2	7.60	320	0.5	< 2	1.79	0.5	11	44	27	3.63	0.63	1.94	870
L8N-11+50W	201	285	< 0.2	7.74	260	0.5	< 2	0.98	0.5	8	29	23	3.26	0.48	1.72	690
L8N-11+75W	201	285	< 0.2	7.71	200	0.5	< 2	1.43	0.5	12	33	18	3.64	0.46	2.07	795
L8N-12+00W	201	285	< 0.2	7.82	130	1.0	< 2	0.84	< 0.5	8	18	15	4.97	0.34	2.97	770
L8N-12+25W	201	285	< 0.2	6.81	70	0.5	< 2	0.77	< 0.5	6	13	17	2.32	0.28	0.95	395
L8N-12+50W	201	285	< 0.2	8.35	170	0.5	< 2	1.58	0.5	12	40	37	4.22	0.38	2.41	1095
L8N-12+75W	201	285	< 0.2	7.66	170	0.5	< 2	1.70	0.5	11	46	15	3.10	0.32	2.05	690
L8N-13+00W	201	285	< 0.2	7.84	170	0.5	< 2	1.69	< 0.5	12	46	21	3.51	0.35	2.10	740
L8N-13+25W	201	285	< 0.2	8.11	190	1.0	< 2	1.39	< 0.5	12	30	12	3.37	0.45	2.17	610
L8N-13+50W	201	285	< 0.2	8.74	120	0.5	< 2	2.08	< 0.5	15	24	10	4.74	0.28	2.68	645
L8N-13+75W	201	285	< 0.2	8.49	220	0.5	< 2	2.43	0.5	17	73	27	4.37	0.40	2.37	765
L8N-14+00W	201	285	< 0.2	8.20	190	0.5	< 2	2.12	0.5	15	54	16	3.77	0.34	2.27	715
L9N-6+50W	201	285	< 0.2	7.61	150	0.5	< 2	1.60	0.5	12	37	26	4.02	0.39	2.33	945
L9N-6+75W	201	285	< 0.2	8.00	180	1.0	< 2	1.19	< 0.5	12	36	31	4.15	0.52	2.85	1005
L9N-7+00W	201	285	< 0.2	7.45	170	0.5	< 2	1.51	0.5	12	43	16	3.46	0.49	2.18	895
L9N-7+25W	201	285	< 0.2	7.75	160	0.5	< 2	1.28	< 0.5	10	41	16	3.46	0.48	2.32	925
L9N-7+50W	201	285	< 0.2	7.36	200	0.5	< 2	1.29	0.5	11	44	32	3.36	0.50	1.87	825
L9N-7+75W	201	285	< 0.2	7.59	180	1.0	< 2	1.45	0.5	10	33	27	3.63	0.49	1.70	790
L9N-8+00W	201	285	< 0.2	7.66	120	1.0	< 2	0.78	< 0.5	8	32	20	3.85	0.37	1.96	710
L9N-8+25W	201	285	< 0.2	8.56	60	1.5	< 2	0.39	< 0.5	13	187	29	7.42	0.18	4.31	1275
L9N-8+50W	201	285	< 0.2	7.61	140	0.5	< 2	0.96	< 0.5	10	37	11	4.36	0.31	3.32	1090
L9N-8+75W	201	285	< 0.2	7.05	190	0.5	< 2	1.39	< 0.5	10	30	18	3.07	0.47	1.55	750
L9N-9+00W	201	285	< 0.2	8.17	140	1.0	< 2	1.11	0.5	7	18	13	4.45	0.37	2.25	945
L9N-9+25W	201	285	< 0.2	7.03	70	0.5	< 2	1.64	< 0.5	4	14	17	2.14	0.23	0.69	395
L9N-9+50W	201	285	< 0.2	8.83	230	1.0	< 2	1.07	1.0	17	54	242	4.69	0.54	3.12	1000
L9N-9+75W	201	285	< 0.2	7.98	220	1.0	< 2	1.05	< 0.5	33	58	87	3.78	0.38	2.00	1105
L9N-10+00W	201	285	< 0.2	7.63	270	1.0	< 2	1.15	0.5	16	48	38	3.97	0.45	2.21	1160
L9N-10+25W	201	285	< 0.2	7.25	190	0.5	< 2	0.58	< 0.5	6	13	26	3.00	0.40	1.51	630
L9N-10+50W	201	285	< 0.2	8.31	160	0.5	< 2	0.68	< 0.5	12	17	30	6.44	0.35	4.21	1225
L9N-10+75W	201	285	< 0.2	7.79	270	1.0	< 2	1.36	< 0.5	11	40	24	3.53	0.67	2.00	890
L9N-11+00W	201	285	< 0.2	7.69	380	0.5	< 2	0.52	< 0.5	4	8	14	2.19	1.37	0.93	455
L9N-11+25W	201	285	< 0.2	7.94	180	0.5	< 2	0.48	< 0.5	4	3	9	2.68	0.48	1.54	525
L9N-11+50W	201	285	< 0.2	7.82	230	0.5	< 2	1.25	< 0.5	11	29	14	3.80	0.60	2.34	880
L9N-11+75W	201	285	< 0.2	7.09	140	1.0	< 2	0.99	< 0.5	4	16	6	2.44	0.56	0.98	350
L9N-12+00W	201	285	< 0.2	7.68	200	0.5	< 2	1.14	< 0.5	10	23	18	3.73	0.43	2.16	740
L9N-12+25W	201	285	< 0.2	7.71	100	0.5	< 2	0.85	< 0.5	9	12	18	5.05	0.35	2.82	560
L9N-12+50W	201	285	< 0.2	7.98	200	0.5	< 2	2.23	< 0.5	15	51	16	4.02	0.36	2.36	750
L9N-12+75W	201	285	< 0.2	8.14	240	0.5	< 2	2.12	< 0.5	15	48	18	4.11	0.43	2.14	835
L9N-13+00W	201	285	< 0.2	8.51	250	0.5	< 2	2.36	< 0.5	16	62	27	4.46	0.42	2.45	770
L9N-13+25W	201	285	< 0.2	8.26	60	0.5	< 2	1.37	< 0.5	9	10	10	4.13	0.12	1.99	535

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L8N-11+25W	201	285	< 1	2.66	13	380	4	204	0.37	112	< 10	114
L8N-11+50W	201	285	2	3.30	9	340	< 2	104	0.29	79	< 10	90
L8N-11+75W	201	285	1	2.95	14	350	< 2	167	0.37	105	< 10	104
L8N-12+00W	201	285	2	2.69	7	460	< 2	69	0.69	129	< 10	78
L8N-12+25W	201	285	1	3.22	7	320	< 2	64	0.17	58	< 10	88
L8N-12+50W	201	285	2	3.11	13	370	< 2	160	0.45	131	< 10	208
L8N-12+75W	201	285	3	3.15	17	190	< 2	199	0.37	100	< 10	82
L8N-13+00W	201	285	< 1	3.32	16	300	< 2	200	0.45	117	< 10	74
L8N-13+25W	201	285	2	3.19	12	350	< 2	150	0.34	94	< 10	72
L8N-13+50W	201	285	1	3.12	8	470	< 2	188	0.48	124	10	46
L8N-13+75W	201	285	2	3.15	22	420	< 2	319	0.44	144	10	64
L8N-14+00W	201	285	2	3.46	19	320	< 2	263	0.43	129	< 10	60
L9N-6+50W	201	285	1	2.93	12	530	< 2	137	0.58	129	< 10	140
L9N-6+75W	201	285	1	2.60	12	430	< 2	124	0.48	136	< 10	162
L9N-7+00W	201	285	1	2.79	14	330	< 2	142	0.42	102	< 10	98
L9N-7+25W	201	285	2	2.93	15	280	< 2	121	0.37	96	< 10	126
L9N-7+50W	201	285	1	2.65	15	490	< 2	152	0.40	95	< 10	142
L9N-7+75W	201	285	1	2.95	8	370	< 2	156	0.47	96	< 10	96
L9N-8+00W	201	285	1	3.28	9	370	< 2	76	0.39	78	< 10	90
L9N-8+25W	201	285	12	1.78	42	440	< 2	35	0.47	133	< 10	188
L9N-8+50W	201	285	4	2.09	12	420	< 2	80	0.22	107	< 10	102
L9N-8+75W	201	285	1	2.65	9	290	< 2	150	0.40	83	< 10	76
L9N-9+00W	201	285	1	2.96	6	510	< 2	100	0.44	109	< 10	102
L9N-9+25W	201	285	1	2.57	3	290	< 2	175	0.20	40	< 10	36
L9N-9+50W	201	285	3	2.43	19	520	< 2	127	0.34	142	< 10	308
L9N-9+75W	201	285	3	2.69	20	430	< 2	143	0.30	88	< 10	310
L9N-10+00W	201	285	1	2.49	16	610	< 2	164	0.43	102	< 10	290
L9N-10+25W	201	285	1	3.61	4	400	< 2	92	0.23	65	< 10	136
L9N-10+50W	201	285	4	2.32	10	710	< 2	76	0.79	229	10	228
L9N-10+75W	201	285	1	2.56	13	440	< 2	162	0.35	99	< 10	140
L9N-11+00W	201	285	2	2.50	3	290	< 2	69	0.16	30	< 10	84
L9N-11+25W	201	285	4	4.11	1	360	< 2	75	0.18	46	< 10	64
L9N-11+50W	201	285	2	2.57	11	280	< 2	136	0.38	108	< 10	132
L9N-11+75W	201	285	2	2.99	4	280	< 2	93	0.17	41	< 10	34
L9N-12+00W	201	285	2	2.86	11	460	< 2	130	0.38	92	< 10	94
L9N-12+25W	201	285	8	2.70	6	660	< 2	88	0.67	132	< 10	86
L9N-12+50W	201	285	2	3.19	21	420	< 2	262	0.41	131	< 10	80
L9N-12+75W	201	285	4	3.07	18	320	< 2	269	0.43	128	< 10	78
L9N-13+00W	201	285	3	3.03	26	420	< 2	311	0.42	143	< 10	76
L9N-13+25W	201	285	2	2.72	5	440	< 2	97	0.54	95	< 10	34

CERTIFICATION: Hart Bichler

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WESTMIN RESOURCES LTD.

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Project : 6107
Comments: ATTN:MURRAY JONES

Certificate Date: 08-JUN-94
Invoice No. : I9417028
P.O. Number :
Account :GP

CERTIFICATE OF ANALYSIS A9417028

SAMPLE	PREP CODE		Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)	Mn ppm (ICP)
L9N-13+50W	201	285	< 0.2	8.30	210	0.5	< 2	1.99	< 0.5	14	53	23	4.20	0.42	2.31	835
L9N-13+75W	201	285	< 0.2	8.41	190	0.5	< 2	2.69	< 0.5	20	56	36	4.43	0.37	2.78	815
L9N-14+00W	201	285	< 0.2	8.04	250	0.5	< 2	2.05	0.5	13	52	18	3.86	0.44	1.99	765
L10N-10+00W	201	285	< 0.2	8.48	160	0.5	< 2	1.30	0.5	22	65	72	5.28	0.36	3.72	1075
L10N-10+25W	201	285	< 0.2	9.02	170	0.5	< 2	1.01	0.5	18	40	52	5.52	0.34	3.65	1165
L10N-10+50W	201	285	< 0.2	8.18	210	0.5	< 2	1.60	< 0.5	13	54	33	4.99	0.48	2.80	1080
L10N-10+75W	201	285	< 0.2	9.89	250	1.5	< 2	1.59	< 0.5	8	23	34	4.27	0.59	2.64	1085
L10N-11+00W	201	285	< 0.2	8.10	200	0.5	< 2	1.34	< 0.5	15	31	33	5.24	0.42	2.95	1250
L10N-11+25W	201	285	< 0.2	7.78	310	0.5	< 2	1.35	< 0.5	9	27	21	3.72	0.49	1.98	720
L10N-11+50W	201	285	< 0.2	7.51	150	0.5	< 2	1.09	< 0.5	9	35	22	3.16	0.44	1.68	550
L10N-11+75W	201	285	< 0.2	7.70	190	0.5	< 2	1.47	< 0.5	12	49	23	4.00	0.39	2.06	850
L10N-12+00W	201	285	< 0.2	8.60	280	1.0	< 2	0.70	< 0.5	11	33	8	3.78	0.92	2.09	525
L10N-12+25W	201	285	< 0.2	8.56	220	1.0	< 2	0.78	< 0.5	4	10	27	2.77	0.37	1.20	410
L10N-12+50W	201	285	< 0.2	7.94	110	0.5	< 2	1.03	< 0.5	8	13	17	2.99	0.32	1.83	430
L10N-12+75W	201	285	< 0.2	8.10	230	0.5	< 2	2.20	< 0.5	14	57	17	3.79	0.38	2.37	760
L10N-13+00W	201	285	< 0.2	8.13	240	0.5	< 2	2.31	< 0.5	14	61	15	3.82	0.40	2.36	715
L10N-13+25W	201	285	< 0.2	8.43	230	0.5	< 2	2.21	< 0.5	14	60	17	3.90	0.38	2.25	795
L10N-13+50W	201	285	< 0.2	8.31	260	0.5	< 2	2.37	< 0.5	15	62	21	3.96	0.38	2.29	765
L10N-13+75W	201	285	< 0.2	8.15	230	0.5	< 2	2.28	0.5	16	64	24	4.04	0.40	2.31	760
L10N-14+00W	201	285	< 0.2	7.43	80	0.5	< 2	1.05	< 0.5	6	9	6	1.77	0.23	0.82	305
L10N-14+25W	201	285	< 0.2	7.11	190	0.5	< 2	1.33	< 0.5	9	30	14	2.89	0.31	1.49	525
L10N-14+50W	201	285	< 0.2	9.05	120	< 0.5	< 2	2.00	< 0.5	27	86	17	8.22	0.24	4.69	860
L10N-14+75W	201	285	< 0.2	8.61	130	0.5	< 2	2.28	0.5	25	91	8	5.73	0.29	3.43	800
L10N-15+00	201	285	< 0.2	7.16	90	< 0.5	< 2	2.21	< 0.5	14	53	7	3.98	0.14	2.04	565
L11N-10+00W	201	285	< 0.2	7.29	230	0.5	< 2	1.03	< 0.5	7	35	10	4.25	0.48	1.85	710
L11N-10+25W	201	285	< 0.2	8.17	180	0.5	< 2	1.50	0.5	20	143	59	5.22	0.36	3.97	1385
L11N-10+50W	201	285	< 0.2	7.90	210	0.5	< 2	1.91	< 0.5	18	60	22	4.95	0.41	3.05	1030
L11N-10+75W	201	285	0.6	7.04	430	0.5	< 2	1.06	1.0	7	25	36	3.51	0.94	1.04	530
L11N-11+00W	201	285	< 0.2	7.86	190	0.5	< 2	2.31	0.5	23	34	29	5.57	0.39	3.45	1630
L11N-11+25W	201	285	< 0.2	8.39	230	0.5	< 2	1.59	< 0.5	14	62	47	4.60	0.41	2.83	810
L11N-11+50W	201	285	< 0.2	8.67	240	0.5	< 2	1.50	< 0.5	14	48	49	4.29	0.44	2.61	825
L11N-11+75W	201	285	< 0.2	7.83	170	0.5	< 2	1.73	< 0.5	18	253	50	5.13	0.34	3.76	1665
L11N-12+00W	201	285	< 0.2	7.33	260	0.5	< 2	0.64	< 0.5	6	18	34	3.00	0.78	1.24	680
L11N-12+25W	201	285	< 0.2	8.00	260	0.5	< 2	2.23	< 0.5	16	60	26	4.29	0.43	2.34	925
L11N-12+50W	201	285	< 0.2	7.85	250	0.5	< 2	1.86	< 0.5	12	46	13	3.52	0.50	2.06	650
L11N-12+75W	201	285	< 0.2	8.42	200	0.5	< 2	2.52	< 0.5	16	65	18	4.26	0.32	2.38	770
L11N-13+00W	201	285	< 0.2	8.23	120	0.5	< 2	1.84	< 0.5	14	25	16	5.54	0.24	2.89	1060
L11N-13+25W	201	285	< 0.2	6.53	20	< 0.5	< 2	0.28	< 0.5	3	6	9	1.59	0.09	0.38	125
L11N-13+50W	201	285	< 0.2	8.42	140	0.5	< 2	2.02	< 0.5	13	60	26	4.54	0.26	2.82	925
L11N-13+75W	201	285	< 0.2	8.42	120	0.5	< 2	1.80	< 0.5	22	34	49	5.88	0.25	3.25	1610

CERTIFICATION: HartBichler

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Project : 6107
Comments: ATTN:MURRAY JONES

Certificate Date: 08-JUN-94
Invoice No. : I9417028
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CERTIFICATE OF ANALYSIS A9417028

SAMPLE	PREP CODE		Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)
L9N-13+50W	201	285	3	3.20	19	430	< 2	227	0.45	130	< 10	98
L9N-13+75W	201	285	3	2.87	23	460	< 2	262	0.44	156	< 10	78
L9N-14+00W	201	285	< 1	3.08	19	540	< 2	238	0.47	122	< 10	88
L10N-10+00W	201	285	2	2.51	22	640	< 2	150	0.47	163	< 10	406
L10N-10+25W	201	285	3	2.63	17	600	< 2	136	0.63	191	< 10	356
L10N-10+50W	201	285	2	2.68	15	530	< 2	162	0.51	137	< 10	198
L10N-10+75W	201	285	4	3.47	11	480	4	147	0.45	133	< 10	392
L10N-11+00W	201	285	2	2.28	12	840	< 2	160	0.61	167	< 10	178
L10N-11+25W	201	285	3	2.73	12	370	4	169	0.33	103	< 10	96
L10N-11+50W	201	285	2	3.07	11	300	< 2	95	0.28	81	< 10	76
L10N-11+75W	201	285	3	2.60	17	550	< 2	138	0.40	109	< 10	106
L10N-12+00W	201	285	3	2.75	10	400	< 2	93	0.28	76	< 10	58
L10N-12+25W	201	285	2	4.51	4	280	< 2	71	0.18	64	< 10	114
L10N-12+50W	201	285	2	3.80	9	780	< 2	97	0.37	90	< 10	84
L10N-12+75W	201	285	3	3.12	21	430	< 2	283	0.43	124	< 10	88
L10N-13+00W	201	285	2	3.06	21	430	< 2	284	0.42	127	< 10	74
L10N-13+25W	201	285	2	3.24	20	440	< 2	287	0.47	124	< 10	76
L10N-13+50W	201	285	3	3.17	24	460	< 2	321	0.47	131	< 10	76
L10N-13+75W	201	285	2	3.03	23	460	< 2	293	0.45	132	< 10	78
L10N-14+00W	201	285	1	3.68	3	340	< 2	96	0.15	20	< 10	16
L10N-14+25W	201	285	1	2.78	9	320	< 2	138	0.29	73	< 10	66
L10N-14+50W	201	285	3	1.71	35	510	< 2	136	0.63	191	< 10	70
L10N-14+75W	201	285	1	2.32	27	560	< 2	161	0.42	148	< 10	54
L10N-15+00	201	285	3	2.44	17	290	< 2	155	0.28	99	< 10	32
L11N-10+00W	201	285	4	2.67	10	430	< 2	115	0.20	59	< 10	60
L11N-10+25W	201	285	3	2.36	37	440	< 2	142	0.31	168	< 10	242
L11N-10+50W	201	285	3	2.45	23	390	< 1	197	0.48	155	< 10	132
L11N-10+75W	201	285	47	2.39	9	560	2	134	0.24	89	< 10	148
L11N-11+00W	201	285	4	2.53	19	830	2	176	0.57	182	< 10	188
L11N-11+25W	201	285	2	2.95	23	380	< 2	229	0.52	155	< 10	232
L11N-11+50W	201	285	3	3.22	17	390	< 2	198	0.41	123	< 10	208
L11N-11+75W	201	285	3	2.20	63	510	< 2	139	0.43	173	< 10	732
L11N-12+00W	201	285	2	2.99	5	360	< 2	84	0.20	36	< 10	246
L11N-12+25W	201	285	3	2.74	23	490	< 2	260	0.46	132	< 10	120
L11N-12+50W	201	285	2	3.05	17	230	< 2	242	0.35	96	< 10	68
L11N-12+75W	201	285	3	3.38	24	400	< 2	267	0.47	141	< 10	76
L11N-13+00W	201	285	3	2.41	10	490	< 2	161	0.64	171	< 10	106
L11N-13+25W	201	285	2	4.09	2	290	< 2	37	0.11	30	< 10	8
L11N-13+50W	201	285	3	3.12	21	470	< 2	196	0.44	152	< 10	98
L11N-13+75W	201	285	1	2.53	22	730	< 2	149	0.52	204	< 10	138

CERTIFICATION: Hart Bichler

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Page Number :5-A
Total Pages :7
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SAMPLE	PREP CODE		Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)	Mn ppm (ICP)
L11N-14+00W	201	285	< 0.2	8.55	90	< 0.5	< 2	0.82	< 0.5	6	191	49	8.94	0.20	4.63	2720
L11N-14+25W	201	285	< 0.2	7.82	160	< 0.5	< 2	1.57	< 0.5	12	45	26	3.70	0.35	2.18	685
L11N-14+50W	201	285	< 0.2	7.09	90	< 0.5	< 2	1.17	< 0.5	9	21	12	2.53	0.20	1.43	395
L11N-14+75W	201	285	< 0.2	7.95	230	< 0.5	< 2	1.71	< 0.5	12	43	14	3.66	0.44	2.02	665
L11N-15+00W	201	285	< 0.2	7.08	70	< 0.5	< 2	0.69	< 0.5	9	13	3	3.10	0.26	2.06	495
L12N-10+00W	201	285	< 0.2	7.10	320	< 0.5	< 2	0.37	< 0.5	3	8	2	2.61	0.72	1.41	365
L12N-10+25W	201	285	< 0.2	8.39	170	0.5	< 2	0.72	< 0.5	5	32	8	4.78	0.53	3.18	775
L12N-10+50W	201	285	< 0.2	8.81	70	< 0.5	< 2	0.68	< 0.5	13	128	15	6.64	0.20	4.70	1075
L12N-10+75W	201	285	< 0.2	7.90	180	< 0.5	< 2	1.29	< 0.5	10	33	33	3.55	0.42	1.82	685
L12N-11+00W	201	285	< 0.2	8.35	100	< 0.5	< 2	0.67	< 0.5	14	33	72	4.78	0.26	3.31	935
L12N-11+25W	201	285	< 0.2	8.43	110	< 0.5	< 2	0.46	< 0.5	14	22	53	5.78	0.26	4.15	1055
L12N-11+50W	201	285	< 0.2	7.81	160	< 0.5	< 2	1.54	< 0.5	13	39	29	4.14	0.30	2.34	855
L12N-11+75W	201	285	< 0.2	8.13	240	< 0.5	< 2	1.89	< 0.5	18	59	25	5.14	0.51	2.13	870
L12N-12+00W	201	285	< 0.2	7.99	200	< 0.5	< 2	2.06	< 0.5	16	64	18	4.41	0.38	2.40	875
L12N-12+25W	201	285	< 0.2	8.55	190	1.0	< 2	1.51	< 0.5	13	53	17	3.95	0.42	2.47	830
L12N-12+50W	201	285	< 0.2	9.04	300	1.0	< 2	2.45	0.5	16	66	18	3.92	0.54	2.42	880
L12N-12+75W	201	285	< 0.2	8.89	240	0.5	< 2	2.33	0.5	15	75	18	4.50	0.45	2.54	930
L12N-13+00W	201	285	< 0.2	8.22	260	0.5	< 2	2.18	< 0.5	13	63	12	3.41	0.46	2.14	730
L12N-13+25W	201	285	< 0.2	8.26	440	0.5	< 2	2.22	< 0.5	12	68	15	3.32	0.62	1.79	595
L12N-13+50W	201	285	< 0.2	8.30	400	1.0	< 2	2.07	< 0.5	14	61	19	3.60	0.64	1.84	630
L12N-13+75W	201	285	< 0.2	8.52	460	0.5	< 2	2.08	< 0.5	15	80	28	3.76	0.68	1.76	645
L12N-14+00W	201	285	< 0.2	9.08	730	1.0	< 2	1.28	< 0.5	31	144	36	4.24	1.29	1.74	530
L12N-14+25W	201	285	< 0.2	8.27	280	0.5	< 2	1.96	< 0.5	13	57	15	3.69	0.50	2.12	695
L12N-14+50W	201	285	< 0.2	8.32	420	0.5	< 2	1.95	< 0.5	14	83	23	3.96	0.62	2.10	695
L12N-14+75W	201	285	< 0.2	7.99	260	0.5	< 2	1.54	0.5	12	39	10	3.39	0.47	1.82	555
L12N-15+00W	201	285	< 0.2	8.49	270	0.5	< 2	1.85	< 0.5	13	49	16	3.76	0.47	2.05	620
L14N-10+00W	201	285	< 0.2	9.02	110	0.5	< 2	0.74	< 0.5	12	36	35	6.12	0.43	3.76	985
L14N-10+25W	201	285	< 0.2	9.57	60	< 0.5	< 2	1.48	< 0.5	26	179	45	6.33	0.27	5.41	1605
L14N-10+50W	201	285	< 0.2	9.29	80	0.5	< 2	0.38	< 0.5	12	38	16	5.93	0.34	3.69	1040
L14N-10+75W	201	285	< 0.2	7.92	320	0.5	< 2	1.19	< 0.5	10	33	66	5.14	0.60	2.10	815
L14N-11+00W	201	285	< 0.2	9.17	120	0.5	< 2	1.13	< 0.5	10	38	26	6.19	0.45	3.96	1060
L14N-11+25W	201	285	< 0.2	8.19	280	0.5	< 2	1.86	< 0.5	15	62	23	4.33	0.60	2.49	815
L14N-11+50W	201	285	< 0.2	8.36	290	0.5	< 2	1.95	< 0.5	16	68	42	4.42	0.65	2.51	760
L14N-11+75W	201	285	< 0.2	7.80	250	0.5	< 2	1.56	< 0.5	11	36	19	3.35	0.71	1.52	625
L14N-12+00W	201	285	< 0.2	9.41	180	0.5	< 2	0.98	< 0.5	14	54	26	4.58	0.61	3.16	995
L14N-12+25W	201	285	< 0.2	8.16	140	0.5	< 2	1.35	< 0.5	11	48	17	3.82	0.38	1.77	605
L14N-12+50W	201	285	< 0.2	8.28	270	< 0.5	< 2	1.97	< 0.5	12	61	16	3.67	0.54	2.15	665
L14N-12+75W	201	285	< 0.2	8.71	390	< 0.5	< 2	2.60	0.5	14	71	15	3.66	0.62	2.20	610
L14N-13+00W	201	285	< 0.2	8.10	380	< 0.5	< 2	1.84	< 0.5	13	58	13	3.56	0.61	2.16	540
L14N-13+25W	201	285	< 0.2	8.14	250	0.5	< 2	1.82	0.5	13	58	14	4.01	0.42	2.35	645

CERTIFICATION:

Chemex Labs Ltd.
Analytical Chemists * Geochemists * Registered Assayers
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WESTMIN RESOURCES LTD.

P.O. Box 49066, The Bentall Centre
VANCOUVER, BC
V7X 1C4

Project : 6107
Comments: ATTN:MURRAY JONES

Certificate Date: 08-JUN-94
Invoice No. : I9417028
P.O. Number :
Account :GP

CERTIFICATE OF ANALYSIS A9417028

SAMPLE	PREP CODE		Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)
L11N-14+00W	201	285	5	2.34	61	670	< 2	61	1.10	283	10	360
L11N-14+25W	201	285	2	3.25	17	330	< 2	189	0.38	112	< 10	86
L11N-14+50W	201	285	1	3.24	9	220	< 2	119	0.23	64	< 10	30
L11N-14+75W	201	285	2	3.06	18	350	< 2	222	0.42	109	< 10	82
L11N-15+00W	201	285	1	3.08	6	240	< 2	45	0.28	81	< 10	32
L12N-10+00W	201	285	2	3.19	1	240	< 2	47	0.12	32	< 10	26
L12N-10+25W	201	285	5	2.74	10	350	< 2	59	0.36	106	< 10	72
L12N-10+50W	201	285	7	1.98	26	370	< 2	58	0.28	142	10	122
L12N-10+75W	201	285	1	3.16	12	400	< 2	156	0.32	86	< 10	244
L12N-11+00W	201	285	2	2.94	12	330	< 2	77	0.60	157	10	478
L12N-11+25W	201	285	6	2.48	10	280	< 2	38	0.37	188	20	320
L12N-11+50W	201	285	4	3.02	16	260	< 2	139	0.45	126	10	270
L12N-11+75W	201	285	2	2.83	22	400	< 2	179	0.39	137	10	92
L12N-12+00W	201	285	2	3.05	22	340	< 2	242	0.48	136	10	86
L12N-12+25W	201	285	2	3.09	18	320	< 2	195	0.40	107	< 10	76
L12N-12+50W	201	285	2	3.51	24	560	< 2	354	0.49	135	< 10	98
L12N-12+75W	201	285	< 1	3.24	25	650	< 2	273	0.53	148	< 10	86
L12N-13+00W	201	285	< 1	3.22	21	370	< 2	304	0.44	119	< 10	70
L12N-13+25W	201	285	1	3.01	23	540	< 2	494	0.40	107	< 10	48
L12N-13+50W	201	285	2	3.01	20	610	< 2	402	0.39	115	< 10	54
L12N-13+75W	201	285	1	2.88	28	550	4	476	0.47	117	10	62
L12N-14+00W	201	285	2	2.21	89	620	6	495	0.49	139	10	132
L12N-14+25W	201	285	< 1	3.28	20	430	2	316	0.41	116	10	70
L12N-14+50W	201	285	1	2.91	28	420	2	409	0.45	126	10	76
L12N-14+75W	201	285	< 1	3.19	15	390	2	231	0.38	95	< 10	72
L12N-15+00W	201	285	1	3.23	18	300	2	256	0.43	117	10	70
L14N-10+00W	201	285	7	2.84	12	370	< 2	56	0.62	168	10	214
L14N-10+25W	201	285	3	2.69	36	240	< 2	85	0.59	215	20	248
L14N-10+50W	201	285	5	2.70	13	440	< 2	46	0.51	181	10	162
L14N-10+75W	201	285	2	2.72	12	770	< 2	159	0.42	105	10	136
L14N-11+00W	201	285	6	2.99	17	440	< 2	94	0.59	192	30	138
L14N-11+25W	201	285	1	2.76	22	390	< 2	265	0.39	125	10	110
L14N-11+50W	201	285	1	2.81	27	440	< 2	268	0.55	155	20	96
L14N-11+75W	201	285	2	3.30	15	420	< 2	199	0.35	88	10	70
L14N-12+00W	201	285	1	3.00	24	470	< 2	143	0.25	100	10	178
L14N-12+25W	201	285	2	3.19	16	400	4	128	0.42	112	20	74
L14N-12+50W	201	285	1	3.01	19	490	4	283	0.45	116	10	70
L14N-12+75W	201	285	< 1	3.19	24	450	2	439	0.41	114	20	52
L14N-13+00W	201	285	< 1	2.92	17	420	< 2	338	0.38	103	20	48
L14N-13+25W	201	285	< 1	2.91	18	660	< 2	273	0.53	118	10	74

CERTIFICATION: Hart Bichler

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Project : 6107
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Certificate Date: 08-JUN-94
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CERTIFICATE OF ANALYSIS A9417028

SAMPLE	PREP CODE		Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)	Mn ppm (ICP)
L14N-13+50W	201	285	< 0.2	7.51	250	1.0	< 2	1.89	< 0.5	11	48	14	2.97	0.40	1.57	675
L14N-13+75W	201	285	< 0.2	7.95	270	1.0	< 2	1.63	< 0.5	14	76	14	3.66	0.40	2.08	815
L14N-14+00W	201	285	< 0.2	8.19	390	1.0	< 2	2.11	< 0.5	15	95	20	4.29	0.55	2.19	755
L14N-14+25W	201	285	< 0.2	8.24	220	0.5	< 2	1.80	0.5	14	84	22	4.68	0.36	2.48	88
L14N-14+50W	201	285	< 0.2	8.80	200	1.0	< 2	1.75	< 0.5	14	72	17	5.24	0.38	3.19	1005
L14N-14+75W	201	285	< 0.2	9.26	80	0.5	< 2	0.46	< 0.5	5	15	25	3.24	0.25	1.41	520
L14N-15+00W	201	285	< 0.2	8.07	160	1.0	< 2	1.15	< 0.5	19	58	16	4.53	0.41	2.68	685
L17N-10+25W	201	285	< 0.2	8.30	150	0.5	< 2	3.83	< 0.5	36	121	61	6.05	0.49	4.23	1510
L17N-10+50W	201	285	< 0.2	8.16	90	0.5	< 2	1.77	< 0.5	29	104	22	5.50	0.32	3.24	2010
L17N-10+75W	201	285	< 0.2	8.26	160	0.5	< 2	1.68	< 0.5	19	48	26	4.80	0.30	2.62	1015
L17N-11+00W	201	285	< 0.2	8.26	130	0.5	< 2	1.06	< 0.5	17	26	25	4.44	0.39	2.40	655
L17N-11+25W	201	285	< 0.2	8.43	420	0.5	< 2	2.06	< 0.5	15	63	18	3.77	0.80	1.49	525
L17N-11+50W	201	285	< 0.2	7.94	200	0.5	< 2	1.01	< 0.5	9	23	36	2.87	0.45	1.33	565
L17N-11+75W	201	285	< 0.2	8.96	400	0.5	< 2	3.00	< 0.5	21	78	20	4.17	0.61	2.31	790
L17N-12+00W	201	285	< 0.2	8.18	300	0.5	< 2	1.73	< 0.5	14	55	20	3.49	0.53	1.75	620
L17N-12+25W	201	285	< 0.2	6.40	20	0.5	< 2	0.19	< 0.5	16	12	40	4.29	0.07	0.36	180
L17N-12+50W	201	285	< 0.2	8.72	180	0.5	< 2	1.21	< 0.5	21	242	39	6.86	0.29	4.40	1050
L17N-12+75W	201	285	< 0.2	6.52	70	0.5	< 2	0.59	< 0.5	8	23	40	4.85	0.13	3.48	745
L17N-13+00W	201	285	< 0.2	9.02	390	0.5	< 2	2.19	< 0.5	18	97	33	4.74	0.60	2.92	910
L17N-13+25W	201	285	< 0.2	9.10	250	0.5	< 2	1.38	< 0.5	10	81	31	6.26	0.53	4.06	1295
L17N-13+50W	201	285	< 0.2	9.03	390	0.5	< 2	1.96	< 0.5	23	93	45	5.06	0.73	3.05	840
L17N-13+75W	201	285	< 0.2	9.53	110	0.5	< 2	2.44	< 0.5	20	27	5	5.71	0.32	3.18	840
L17N-14+00W	201	285	< 0.2	8.84	180	0.5	< 2	2.13	< 0.5	21	22	10	7.10	0.34	3.03	680
L17N-14+25W	201	285	< 0.2	8.53	120	0.5	< 2	1.54	< 0.5	23	19	10	6.03	0.49	3.33	510
L17N-14+50W	201	285	< 0.2	8.45	240	0.5	< 2	2.04	< 0.5	21	52	14	4.98	0.46	2.73	580
L17N-14+75W	201	285	< 0.2	7.42	280	1.0	< 2	0.48	< 0.5	9	11	3	2.07	1.10	1.39	220
L17N-15+00W	201	285	< 0.2	8.54	260	0.5	< 2	1.99	< 0.5	21	69	18	4.81	0.52	2.87	655
L19N-10+25W	201	285	< 0.2	8.45	390	0.5	< 2	3.38	< 0.5	28	138	53	4.82	0.78	2.92	780
L19N-10+50W	201	285	< 0.2	9.27	220	0.5	< 2	3.33	< 0.5	31	46	28	5.23	0.49	3.45	1250
L19N-10+75W	201	285	< 0.2	9.14	500	0.5	< 2	2.81	< 0.5	24	80	30	4.82	1.24	2.88	885
L19N-11+00W	201	285	< 0.2	8.67	550	< 0.5	< 2	3.25	< 0.5	19	91	26	3.90	0.78	2.34	665
L19N-11+25W	201	285	< 0.2	8.76	500	< 0.5	< 2	3.11	< 0.5	20	84	20	4.09	0.76	2.45	705
L19N-11+50W	201	285	< 0.2	8.94	430	< 0.5	< 2	2.84	< 0.5	22	91	24	4.51	0.69	3.00	780
L19N-11+75W	201	285	< 0.2	9.08	270	< 0.5	< 2	2.28	< 0.5	21	79	22	4.64	0.54	3.29	830
L19N-12+00W	201	285	< 0.2	8.68	430	< 0.5	< 2	2.77	< 0.5	21	74	21	4.11	0.73	2.59	750
L19N-12+25W	201	285	< 0.2	8.04	340	< 0.5	< 2	2.39	< 0.5	19	75	25	4.01	0.54	2.12	830
L19N-12+50W	201	285	< 0.2	9.07	70	< 0.5	< 2	0.56	< 0.5	20	193	19	6.08	0.14	4.68	1000
L19N-12+75W	201	285	< 0.2	8.93	190	< 0.5	< 2	2.08	< 0.5	23	90	42	4.78	0.35	3.45	1065
L19N-13+00W	201	285	< 0.2	8.15	270	< 0.5	< 2	1.76	< 0.5	14	66	20	3.82	0.44	2.40	730
L19N-13+25W	201	285	< 0.2	9.07	380	< 0.5	< 2	2.62	< 0.5	17	77	22	3.98	0.65	2.47	735

CERTIFICATION:

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To: WESTMIN RESOURCES LTD.

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L14N-13+50W	201	285	1	3.08	16	370	4	311	0.39	93	< 10	44
L14N-13+75W	201	285	< 1	2.77	27	260	2	310	0.38	110	< 10	68
L14N-14+00W	201	285	< 1	2.57	36	520	4	456	0.43	127	< 10	60
L14N-14+25W	201	285	< 1	3.09	31	400	< 2	1090	0.56	145	< 10	92
L14N-14+50W	201	285	< 1	2.63	38	320	< 2	243	0.46	156	< 10	90
L14N-14+75W	201	285	1	5.14	9	490	< 2	77	0.11	91	< 10	56
L14N-15+00W	201	285	2	2.10	29	300	< 2	183	0.32	126	< 10	64
L17N-10+25W	201	285	< 1	2.62	64	330	< 2	220	0.47	209	< 10	70
L17N-10+50W	201	285	< 1	3.41	31	470	< 2	132	0.47	224	< 10	70
L17N-10+75W	201	285	2	3.49	19	630	< 2	217	0.56	160	< 10	72
L17N-11+00W	201	285	< 1	2.84	12	260	< 2	121	0.51	161	< 10	88
L17N-11+25W	201	285	< 1	2.78	22	340	4	409	0.42	132	< 10	60
L17N-11+50W	201	285	1	3.17	13	400	2	157	0.26	68	< 10	90
L17N-11+75W	201	285	< 1	2.93	33	350	4	472	0.47	155	< 10	62
L17N-12+00W	201	285	< 1	2.76	27	370	4	312	0.36	101	< 10	56
L17N-12+25W	201	285	< 1	3.72	16	440	< 2	35	0.06	26	< 10	66
L17N-12+50W	201	285	1	1.82	98	640	< 2	198	1.00	260	10	124
L17N-12+75W	201	285	< 1	1.53	16	370	< 2	88	0.60	193	< 10	76
L17N-13+00W	201	285	< 1	2.54	42	560	4	401	0.47	172	10	98
L17N-13+25W	201	285	< 1	2.20	38	560	2	204	0.46	211	10	128
L17N-13+50W	201	285	< 1	2.38	37	590	2	425	0.43	173	< 10	112
L17N-13+75W	201	285	< 1	2.15	15	580	< 2	196	0.69	174	< 10	40
L17N-14+00W	201	285	< 1	1.77	13	800	< 2	190	1.09	142	< 10	42
L17N-14+25W	201	285	< 1	1.47	10	1290	< 2	136	0.86	173	< 10	50
L17N-14+50W	201	285	2	2.04	22	390	< 2	299	0.57	169	< 10	48
L17N-14+75W	201	285	< 1	1.97	4	220	< 2	66	0.12	38	< 10	12
L17N-15+00W	201	285	< 1	2.34	29	360	< 2	302	0.47	151	< 10	60
L19N-10+25W	201	285	< 1	2.11	52	540	4	425	0.41	169	< 10	72
L19N-10+50W	201	285	< 1	2.76	33	710	< 2	282	0.39	198	< 10	54
L19N-10+75W	201	285	1	2.38	32	480	4	500	0.47	169	< 10	80
L19N-11+00W	201	285	2	2.93	34	360	4	638	0.41	138	10	54
L19N-11+25W	201	285	< 1	3.10	31	390	4	592	0.43	151	10	60
L19N-11+50W	201	285	2	2.95	32	500	4	508	0.46	159	10	116
L19N-11+75W	201	285	1	3.01	27	490	< 2	312	0.47	158	10	114
L19N-12+00W	201	285	1	2.90	31	420	6	478	0.43	140	10	86
L19N-12+25W	201	285	< 1	2.79	32	460	4	373	0.50	143	10	78
L19N-12+50W	201	285	< 1	1.52	35	460	< 2	69	0.43	202	10	104
L19N-12+75W	201	285	1	2.60	42	510	4	268	0.50	189	20	150
L19N-13+00W	201	285	1	2.98	25	350	6	280	0.43	138	10	84
L19N-13+25W	201	285	< 1	3.02	31	480	< 2	382	0.45	141	10	72

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L19N-13+50W	201	285	< 0.2	9.27	470	0.5	< 2	2.83	< 0.5	21	82	22	4.25	0.70	2.42	720
L19N-13+75W	201	285	< 0.2	9.41	430	0.5	< 2	2.94	< 0.5	25	98	47	4.80	0.72	2.98	795
L19N-14+00W	201	285	< 0.2	8.97	100	0.5	< 2	3.43	< 0.5	20	15	8	7.07	0.23	2.51	630
L19N-14+25W	201	285	< 0.2	9.02	420	0.5	< 2	3.31	< 0.5	24	102	25	4.44	0.67	2.64	720
L19N-14+50W	201	285	< 0.2	9.28	430	0.5	< 2	2.47	< 0.5	22	73	16	4.45	0.63	2.19	730
L19N-14+75W	201	285	< 0.2	8.02	150	0.5	< 2	1.63	< 0.5	19	34	11	4.65	0.26	2.41	430
L19N-15+00W	201	285	< 0.2	7.98	110	0.5	< 2	1.14	< 0.5	14	28	15	4.21	0.22	1.41	455

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L19N-13+50W	201	285	< 1	2.80	35	570	6	534	0.47	159	< 10	76
L19N-13+75W	201	285	< 1	2.56	39	700	4	536	0.42	172	< 10	78
L19N-14+00W	201	285	< 1	2.19	7	960	< 2	223	0.79	243	< 10	30
L19N-14+25W	201	285	< 1	2.70	41	610	4	547	0.45	169	< 10	56
L19N-14+50W	201	285	< 1	2.44	29	580	6	401	0.44	142	< 10	48
L19N-14+75W	201	285	< 1	2.23	16	450	< 2	211	0.45	134	< 10	34
L19N-15+00W	201	285	1	2.69	15	400	< 2	136	0.26	81	< 10	16

CERTIFICATION: Hart Bichler

APPENDIX F

SOIL SAMPLE STATISTICS

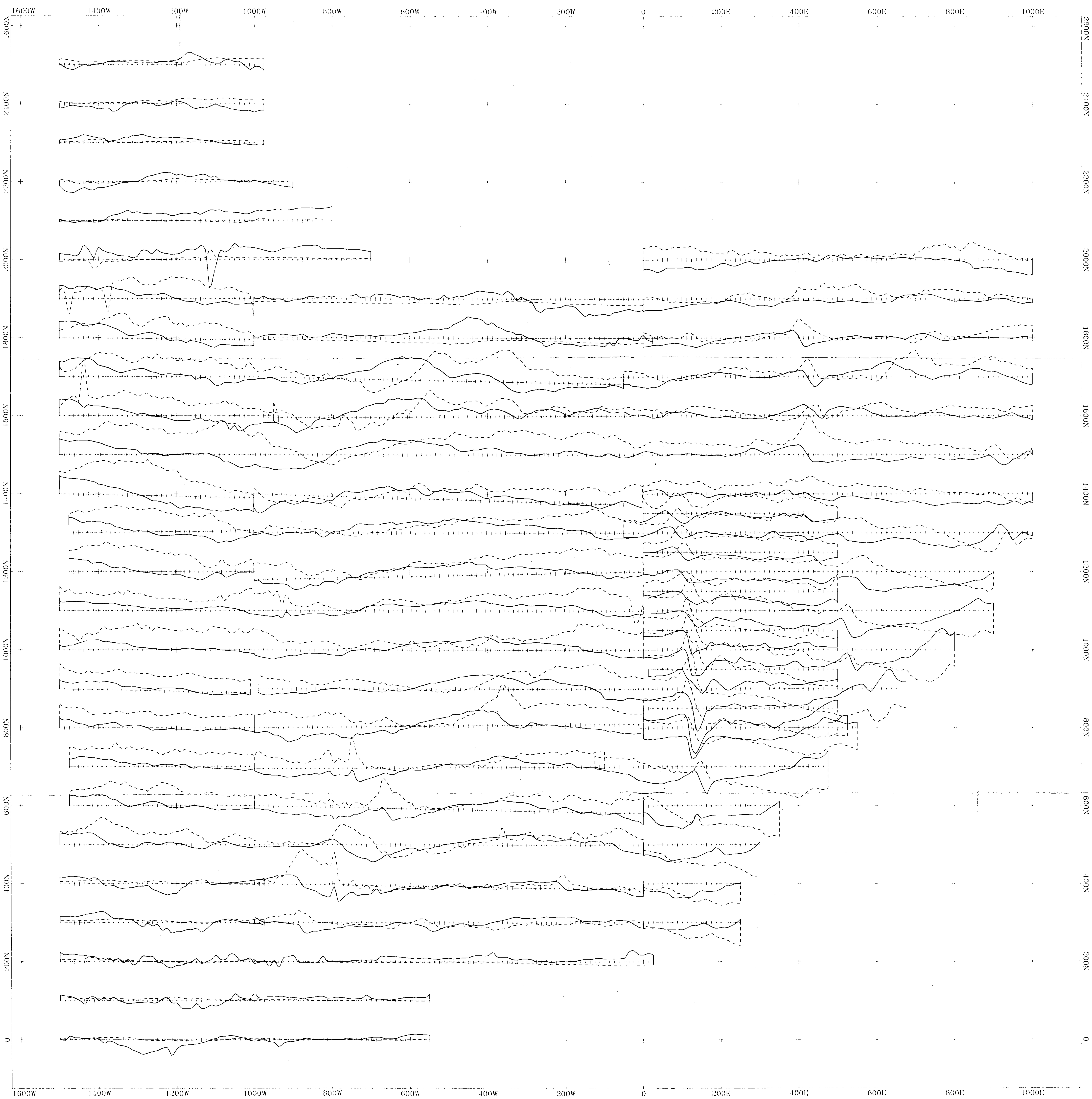
BELL CREEK PROPERTY - KNOB HILL AREA STATISTICS
LENGTH WEIGHTED
DETECTION LIMIT NOT USED
NO RECOVERY WEIGHTING USED
NORMAL DATA

"ELEMENT"	"UNITS "	"MEAN"	"S.D."	"SAMPLES"	"5%"	"16%"	"50%"	"84%"	"95%"
"ALL DATA"									
"KNR"	" "	0.355	0.469	773	0.073	0.128	0.244	0.501	0.848
"ALT"	" "	0.400	0.108	773	0.284	0.323	0.373	0.477	0.493
"IRM"	" "	0.666	0.054	773	0.236	0.387	0.612	0.708	0.799
" AG"	" PPM "	0.414	0.389	58	0.200	0.221	0.385	0.613	0.834
" AL"	"% "	7.869	0.861	773	3.810	5.832	7.300	8.268	8.990
" BA"	" PPM "	372.329	256.399	773	88.648	151.675	305.861	585.743	823.432
" BE"	" PPM "	0.598	0.232	209	0.484	0.492	0.516	0.965	1.008
" BI"	" PPM "	3.146	1.798	103	1.836	1.916	2.162	4.005	6.248
" CA"	"% "	1.801	0.942	772	0.525	0.963	1.666	2.616	3.432
" CD"	" PPM "	0.829	0.984	79	0.266	0.302	0.412	0.884	2.763
" CO"	" PPM "	13.258	5.592	771	4.753	8.040	11.983	17.908	23.855
" CR"	" PPM "	81.947	73.540	773	12.883	26.703	57.613	132.075	237.643
" CU"	" PPM "	43.285	45.907	773	9.662	16.020	29.518	65.552	116.214
" FE"	"% "	4.163	1.092	773	2.661	3.282	3.962	4.821	4.944
" K"	"% "	0.709	0.364	773	0.260	0.374	0.618	1.065	1.346
" MG"	"% "	2.146	0.814	773	1.054	1.432	2.012	2.902	3.722
" MN"	" PPM "	833.135	364.867	773	411.188	576.942	794.774	1053.564	1301.344
" MO"	" PPM "	3.076	7.270	343	0.141	0.452	1.412	3.347	6.425
" NA"	"% "	2.551	0.660	773	1.343	1.931	2.620	2.928	2.978
" NI"	" PPM "	18.511	11.502	773	4.681	8.463	15.262	27.970	38.823
" P"	" PPM "	466.934	238.558	773	185.813	272.062	417.692	639.093	848.100
" PB"	" PPM "	4.928	6.711	222	1.787	2.419	3.685	5.193	8.985
" SR"	" PPM "	239.882	189.113	773	55.183	98.814	188.130	373.867	606.887
" TI"	"% "	0.390	0.140	773	0.141	0.257	0.395	0.487	0.600
" V"	" PPM "	125.498	52.843	773	46.987	81.527	118.231	166.662	222.750
" W"	" PPM "	11.488	3.722	168	9.555	9.677	10.054	10.431	18.667
" ZN"	" PPM "	130.719	140.005	772	36.846	51.633	92.613	169.629	410.667

BELL CREEK PROPERTY - ROCHE AREA STATISTICS
LENGTH WEIGHTED
DETECTION LIMIT NOT USED
NO RECOVERY WEIGHTING USED
NORMAL DATA

"

ELEMENT"	"UNITS "	"MEAN"	"S.D."	"SAMPLES"	"5%"	"16%"	"50%"	"84%"	"95%"
"ALL DATA"									
"KNR"	" "	0.516	0.107	141	0.350	0.426	0.482	0.494	0.498
"ALT"	" "	0.382	0.065	141	0.286	0.287	0.292	0.398	0.492
"IRM"	" "	0.747	0.033	141	0.352	0.543	0.692	0.809	0.860
"CZN"	" "	0.353	0.118	141	0.192	0.237	0.340	0.459	0.562
" AG"	" PPM "	1.000	1.000	1	0.762	0.790	0.875	0.960	0.988
" AL"	"% "	8.593	0.489	140	0.905	1.916	3.150	4.21	5.1
" BA"	" PPM "	645.957	183.044	141	375.750	472.800	621.196	793.543	875.596
" BE"	" PPM "	0.524	0.107	62	0.476	0.479	0.496	0.524	0.653
" BI"	" PPM "	4.267	2.462	30	1.890	2.088	3.831	5.840	9.900
" CA"	"% "	1.961	0.685	141	0.904	1.397	1.905	2.536	2.929
" CD"	" PPM "	0.536	0.186	28	0.497	0.502	0.518	0.534	0.539
" CO"	" PPM "	16.149	6.461	141	10.504	11.873	14.783	18.878	23.475
" CR"	" PPM "	54.674	23.757	141	22.050	31.780	51.000	77.149	89.100
" CU"	" PPM "	60.227	61.902	141	18.411	25.916	44.451	83.782	134.625
" FE"	"% "	4.424	1.788	141	3.151	3.391	4.246	5.200	5.758
" K"	"% "	1.381	0.412	141	1.029	1.166	1.344	1.541	1.671
" MG"	"% "	1.514	0.654	141	0.880	1.104	1.417	1.847	2.248
" MN"	" PPM "	563.191	193.821	141	381.563	431.400	526.852	671.500	861.875
" MO"	" PPM "	1.455	1.416	33	0.722	0.771	0.922	1.870	2.923
" NA"	"% "	2.720	0.617	141	2.138	2.352	2.651	2.900	2.969
" NI"	" PPM "	19.723	7.593	141	10.820	13.478	18.214	24.529	27.700
" P"	" PPM "	532.128	254.282	141	260.361	348.689	477.054	705.900	860.438
" PB"	" PPM "	5.833	3.105	84	2.020	3.389	5.859	7.497	7.989
" SR"	" PPM "	459.142	212.041	141	173.250	276.540	428.542	675.840	893.062
" TI"	"% "	0.405	0.114	141	0.270	0.361	0.412	0.457	0.490
" V"	" PPM "	166.979	78.969	141	91.222	110.052	154.348	211.709	251.800
" W"	" PPM "	10.000	0.000	2	0.000	0.000	0.000	0.000	0.000
" ZN"	" PPM "	94.213	30.861	141	62.531	71.550	88.859	115.080	131.156
" AU"	" PPB "	234.000	611.624	10	9.375	30.000	93.750	210.000	2025.000



Scale 1:5000

(meters)

GEOLOGICAL BRANCH
ASSESSMENT REPORT

23,981

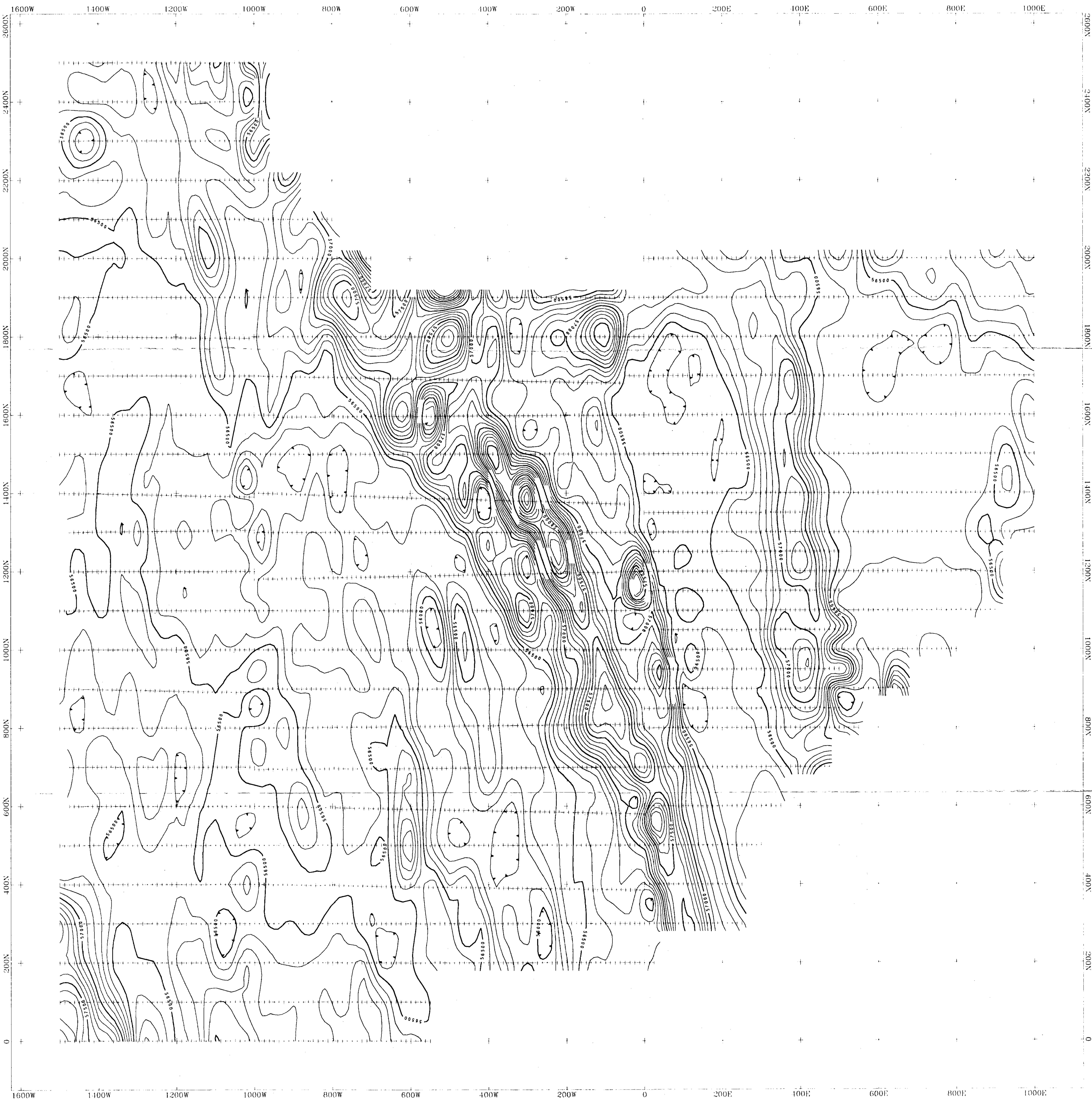
WESTMIN RESOURCES LIMITED

VLF-EM PROFILES, Seattle & Hawaii tx's
BELL CREEK PROJECT
MANNING PARK AREA

1 cm=40 %, base -15, vert. inphase comp. solid
1 cm=100, base 350, horiz. field, dashed
EDA Omni instruments
Combined 1993 & 1994 data

DELTA GEOSCIENCE LTD

(1)



GEOLOGICAL BRANCH ASSESSMENT REPORT

23,981

Scale 1:5000

100 0 100 200 300 (meters)

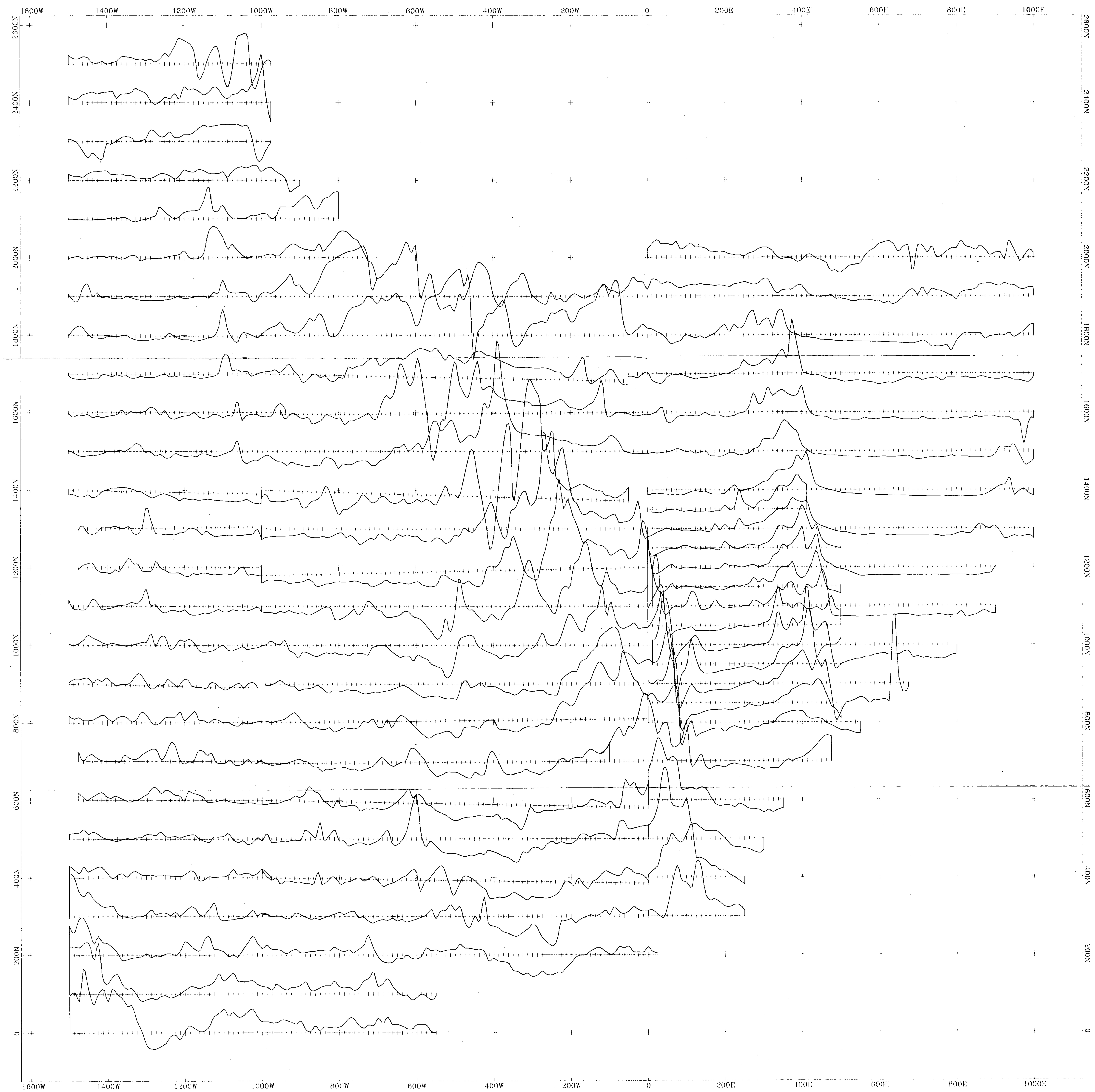
WESTMIN RESOURCES LIMITED

MAGNETIC FIELD STRENGTH PLAN
BELL CREEK PROJECT
MANNING PARK AREA

Contour interval 100 nt
Total field data
EDA Omni instruments
Combined 1993 & 1991 data

(2)

DELTA GEOSCIENCE LTD



GEOLOGICAL BRANCH
ASSESSMENT REPORT

23,981

Scale 1:5000

100 0 100 200 300 (meters)

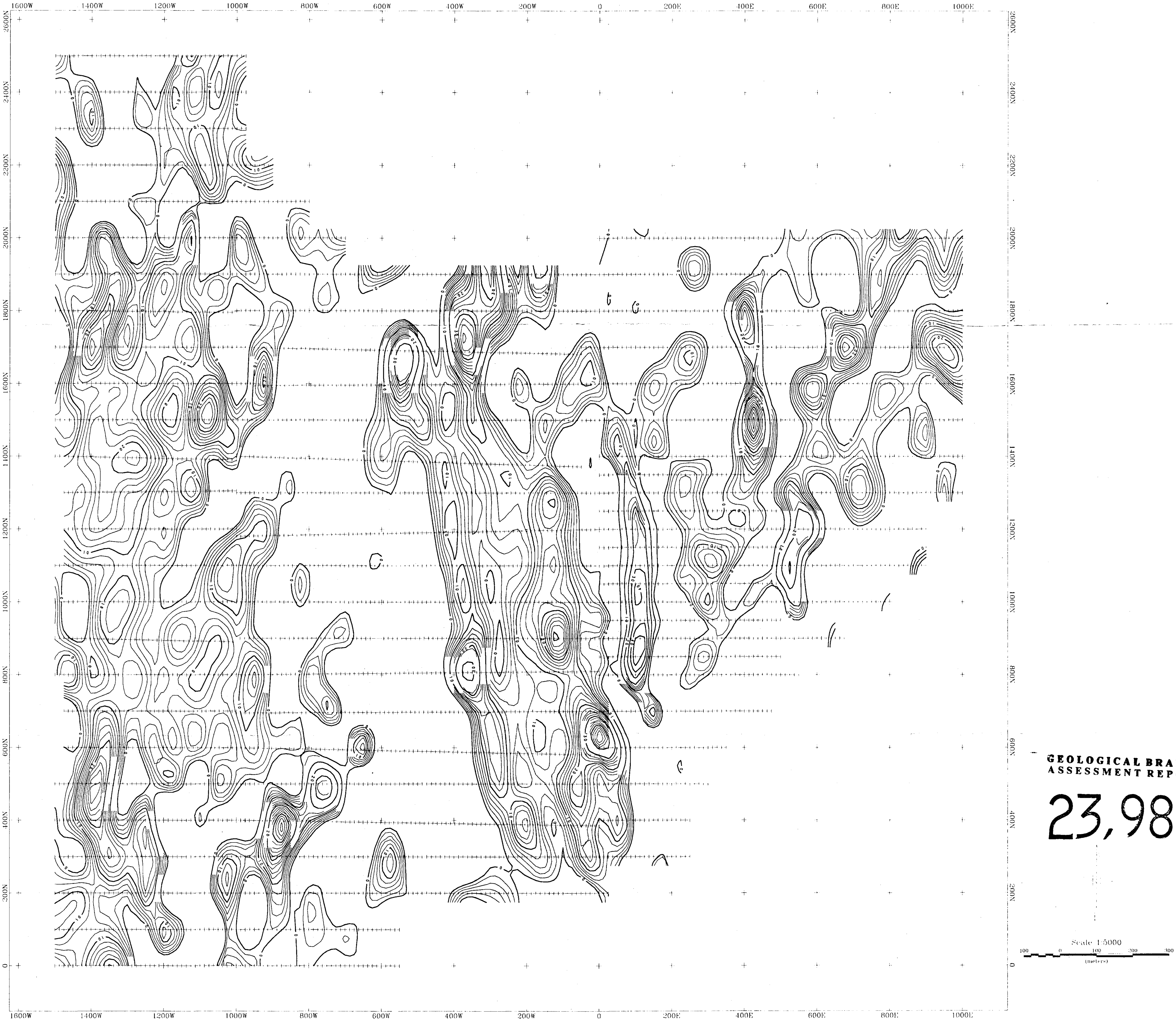
WESTMIN RESOURCES LIMITED

MAGNETIC FIELD STRENGTH PROFILES
BELL CREEK PROJECT
MANNING PARK AREA

1 cm = 500 nt. base 56500 nt
Total field data
EDA Omni instruments
Combined 1993 & 1994 data

(3)

DELTA GEOSCIENCE LTD



GEOLOGICAL BRANCH ASSESSMENT REPORT

23,981

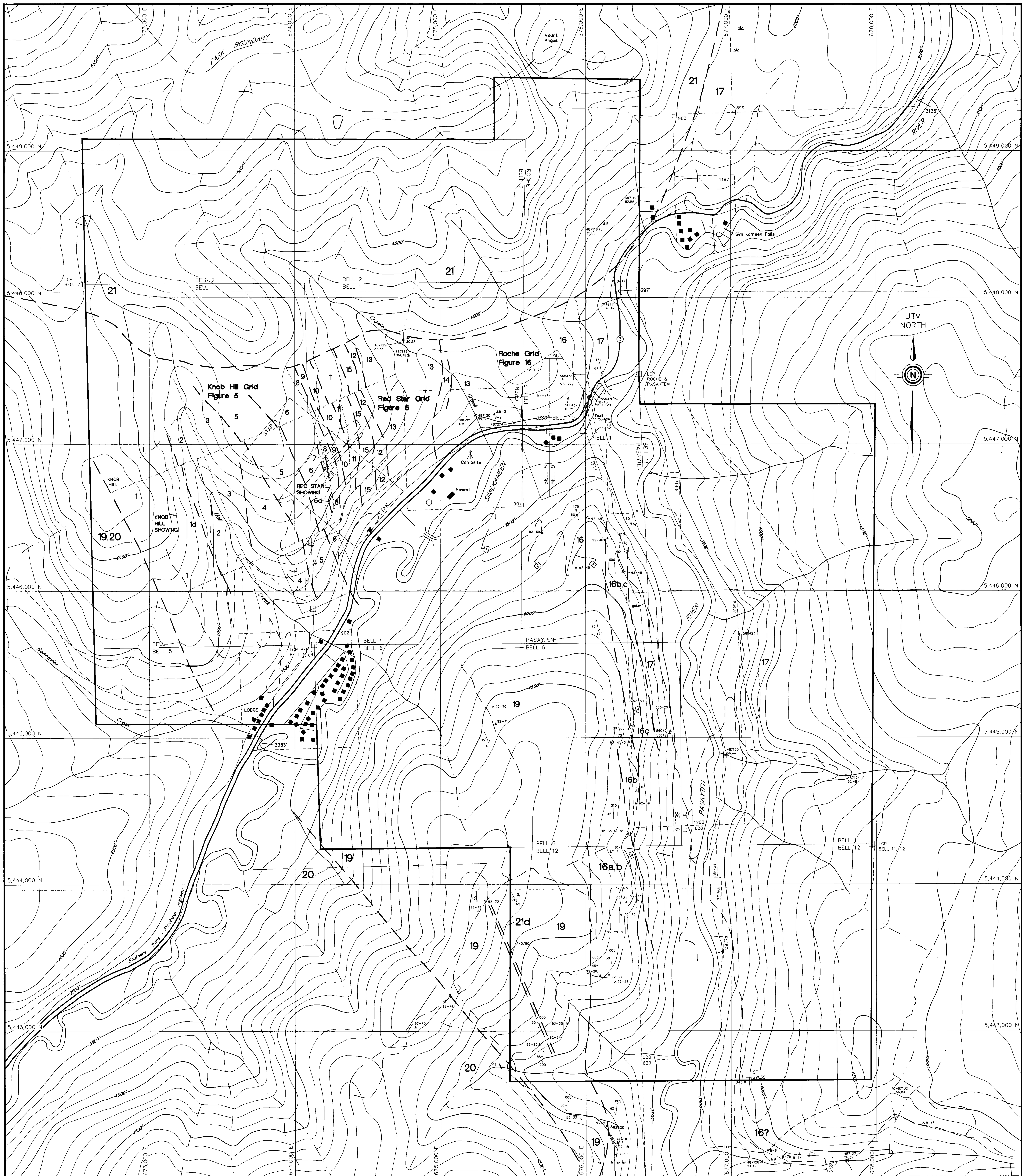
WESTMIN RESOURCES LIMITED

VLF-EM PLAN, Seattle & Hawaii tx's
FRASER FILTERED CONDUCTER PLAN
BELL CREEK PROJECT, MANNING PARK AREA

contour interval 2 %
Combined 1993 & 1994 data
EDA Omni instruments
June, 1995

(4)

DELTA GEOSCIENCE LTD



LEGEND

21 Princeton Group Volcanic and Sedimentary Rocks (Eocene)
- 21a volcanic flows, breccias, tuffs, vari-coloured
- 21b conglomerate, minor sandstone
- 21c argillite
- 21d basalt dykes, hornblende porphyry dykes
- 21e quartz eye porphyritic dykes

20 Eagle Plutonic Complex (Upper Jurassic – Lower Cretaceous)
- 20a massive granodiorite, granite
- 20b gneiss, gneissic textures intrusions
- 20c aplite dykes

19 Amphibolite
- 19a chlorite ± biotite schist
- 19b amphibole-bearing ± biotite schist
- 19c amphibolite, ± biotite

Central Facies, Nicola Group (Upper Triassic)

18 Sedimentary Rocks
- 18a argillite
- 18b grey to black siltstone/sandstone

17 Volcanic Rocks (Alkaline, includes Wolf Creek Formation)
- 17a mafic, massive, pillowed, flow brecciated, pyroxene and/or plagioclase porphyritic
- 17b volcanic breccia, agglomerate, lapilli tuff (porphyritic)
- 17c fine grained tuff, cherty tuff
- 17d undifferentiated
- 17e quartz-eye felsic tuff, lapilli/agglomerate

Western Facies, Nicola Group (Upper Triassic, Calc-alkaline)

16 Mafic to Intermediate Volcanic Rocks, Minor Sediments
- 16a quartz eye lapilli tuff
- 16b chlorite schist, locally carbonatized
- 16c interbedded intermediate tuffs, argillaceous sediments

15 Quartz Feldspar Porphyry Intrusive (?)
- 15a moderate foliated, quartz + feldspar phenocrysts to 20%
- 15b as 15a, sill or flow unit ?
- 15c strongly sheared porphyry
- 15d quartz feldspar porphyry dyke

14 Chlorite Schist

13 Argillaceous Sediments
- 13a argillite, siltstone, minor cherty layers
- 13b graphitic argillite
- 13c chlorite-sericite schist

12 Chlorite-Biotite Schist
- 12a chlorite-biotite schist
- 12b chlorite-sericite schist

11 Red-Green Banded Schist
- 11a red/green/cream banded schist
- 11b lapilli tuff, with quartz eyes
- 11c aphanitic, light grey-blue rhyolite

10 Quartz-Sericite, Sericite Schist
- 10a sericite schist, with quartz eyes
- 10b sericite schist, with sediment component
- 10c quartz-sericite-pyrite schist
- 10d homogeneous, aphanitic, chlorite-sericite schist, dyke ?
- 10e felsic lapilli tuff

9 Mafic to Intermediate Volcanic Rocks
- 9a chlorite-sericite schist
- 9b chlorite schist

8 Red Star Horizon
- 8a felsic (sericite-quartz) schist, strongly altered
- 8b quartz sericite-pyrite schist

7 "Hanging Wall" Sediments
- 7a interbedded argillite, siltstone
- 7b graphitic argillite

6 Mixed Intermediate/Felsic Tuff/Flow Unit
- 6a mafic, chlorite (sericite) schist, with biotite, epidote common
- 6b intermediate quartz eye lapilli tuff
- 6c intermediate to felsic, quartz-sericite schist
- 6d gabbro, basalt(?)

5 Mafic Volcanic with Mixed Sedimentary Component
- 5a mafic, massive to pillowed, dark green, with epidote alteration
- 5b lean Fe formation, hematite-rich, laminated, cherty tuff/seds
- 5c mafic lapilli(?) tuff
- 5d light coloured volcanic(?) or sedimentary rock

4 Quartz-Feldspar Porphyritic Rhyolite
- 4a massive or undifferentiated
- 4b banded, sheared(?)

3 Intermediate Schist, Mixed Volcanic/Sedimentary Rock
- 3a chlorite schist, commonly with hornblende
- 3b felsic schist, layered with sediments (cherty)

2 Mafic Volcanic (Hornblende, Biotite Locally)
- 2a chlorite-biotite hornfels
- 2b chlorite-biotite hornfels, porphyroblastic hornblende

1 Intermediate to Felsic, Hornfelsed Volcanic/Sedimentary Rocks
- 1a felsic hornfels, aphanitic, locally sericitic, quartz rich
- 1b quartz-sericite-(chlorite) schist
- 1c chlorite schist
- 1d homogeneous felsic hornfels, grey to cream coloured
- 1e quartz feldspar porphyritic rock

SYMBOLS

- Outcrop
- Geological Contact (Sub-unit)
- Fault
- 170 / 60 — Bedding (strike and dip)
- 160 / 35 — Foliation (strike and dip)
- 076 / 87 — Joints (strike and dip)
- 176 / 73 — Vein (strike and dip)
- 183 / 15 — Lineation or Fold Hinge (strike and plunge)
- Trench
- Adit
- Drill Hole
- Test Pit
- 560464 or B-21 — Rock Sample Location
- 487124 — Silt Sample Location
- 487124 — Soil Sample Location
- Claim Post (located, not located)
- Kilometre Marker On Road (from highway)
- Age Date Sample Location

ABBREVIATIONS

agg	agglomerate	intr	intrusive
amph	amphibole	mag	magnetite
assoc	associated	maf	mafic
ba	barite	mc	malachite
bio	biotite	phenos	phenocrysts
bo	bornite	plag	plagioclase
bx	brecciated	po	pyrrhotite
cpy	chalcopyrite	ppv	pyroxene porphyritic volcanic
ep	epidote	py	pyrite
F	float (local)	pyx	pyroxene
fc	ferricrete	qtz	quartz
f.g.	fine grained	Qvn(s)	quartz vein(s)
GF	glacial float	sch	schist
goss	gossan	sph	sphalerite
hb	hornblende	vns	veins

GEOLOGICAL BRANCH
ASSESSMENT REPORT

23,981

Westmin Resources Limited

BELL CREEK PROPERTY

GEOLOGY

23981

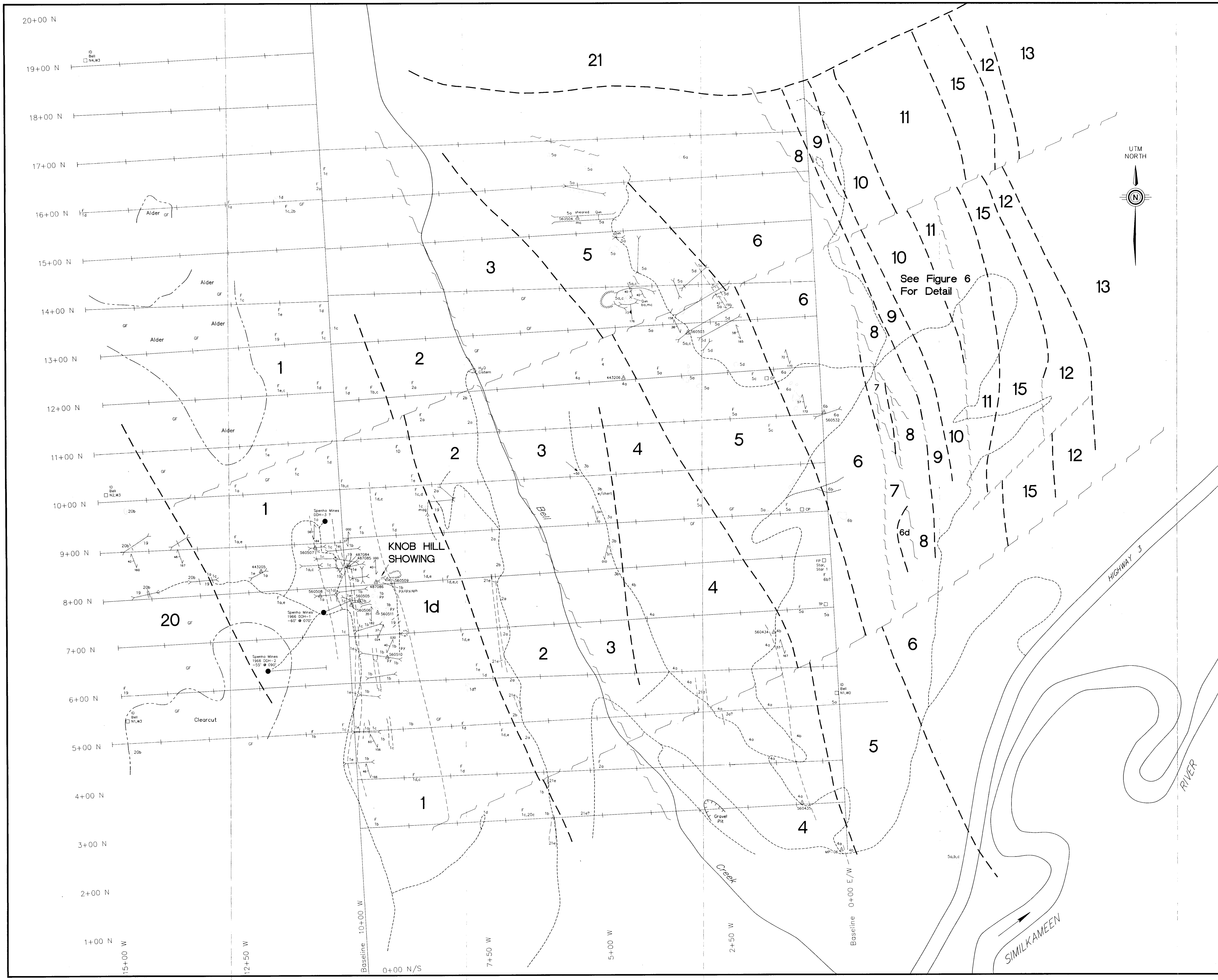
Work By	M.I. Jones
Date Drafted	08/06/93
Drafted By	R.A. Ivany
Date Revised	09/03/95
Revised By	M.I. Jones
N.T.S. Number	92 H/2
File Name	GEOLOGY

PROFESSIONAL GEOSCIENTIST — M. I. JONES — PROVINCE OF BRITISH COLUMBIA

200 0 200 400 600m
SCALE 1 : 10,000

Figure 4

5



LEGEND

21	Princeton Group Volcanic and Sedimentary Rocks (Eocene)
21a	volcanic flows, breccias, tuffs, vari-coloured
21b	conglomerate, minor sandstone
21c	argillite
21d	basalt dykes, hornblende porphyry dykes
21e	quartz eye porphyritic dykes
20	Eagle Plutonic Complex (Upper Jurassic – Lower Cretaceous)
20a	massive granodiorite, granite
20b	gneiss, gneissic textures intrusions
20c	aplite dykes
19	Amphibolite
19a	chlorite ± biotite schist
19b	amphibole-bearing ± biotite schist
19c	amphibolite, ± biotite
	Central Facies, Nicola Group (Upper Triassic)
18	Sedimentary Rocks
18a	argillite
18b	grey to black siltstone/sandstone
17	Volcanic Rocks (Alkaline, includes Wolf Creek Formation)
17a	mafic, massive, pillowed, flow brecciated, pyroxene and/or plagioclase porphyritic
17b	volcanic breccia, agglomerate, lapilli tuff (porphyritic)
17c	fine grained tuff, cherty tuff
17d	undifferentiated
17e	quartz-eye felsic tuff, lapilli/agglomerate
	Western Facies, Nicola Group (Upper Triassic, Calc-alkaline)
16	Mafic to Intermediate Volcanic Rocks, Minor Sediments
16a	quartz eye lapilli tuff
16b	chlorite schist, locally carbonatized
16c	interbedded intermediate tuffs, argillaceous sediments
15	Quartz Feldspar Porphyry Intrusive (?)
15a	moderate foliated, quartz + feldspar phenocrysts to 20%
15b	as 15a, sill or flow unit ?
15c	strongly sheared porphyry
15d	quartz feldspar porphyry dyke
14	Chlorite Schist
13	Argillaceous Sediments
13a	argillite, siltstone, minor cherty layers
13b	graphitic argillite
13c	chlorite-sericite schist
12	Chlorite-Biotite Schist
12a	chlorite-biotite schist
12b	chlorite-sericite schist
11	Red-Green Banded Schist
11a	red/green/cream banded schist
11b	lapilli tuff, with quartz eyes
11c	aphanitic, light grey-blue rhyolite
10	Quartz-Sericite, Sericite Schist
10a	sericite schist, with quartz eyes
10b	sericite schist, with sediment component
10c	quartz-sericite-pyrite schist
10d	homogeneous, aphanitic, chlorite-sericite schist, dyke ?
10e	felsic lapilli tuff
9	Mafic to Intermediate Volcanic Rocks
9a	chlorite-sericite schist
9b	chlorite schist
8	Red Star Horizon
8a	felsic (sericite-quartz) schist, strongly altered
8b	quartz sericite-pyrite schist
7	"Hanging Wall" Sediments
7a	interbedded argillite, siltstone
7b	graphitic argillite
6	Mixed Intermediate/Felsic Tuff/Flow Unit
6a	mafic, chlorite (sericite) schist, with biotite, epidote common
6b	intermediate quartz eye lapilli tuff
6c	intermediate to felsic, quartz-sericite schist
6d	gabbro, basalt(?)
5	Mafic Volcanic with Mixed Sedimentary Component
5a	mafic, massive to pillowed, dark green, with epidote alteration
5b	lean Fe formation, hematite-rich, laminated, cherty tuff/seds
5c	mafic lapilli(?) tuff
5d	light coloured volcanic(?) or sedimentary rock
4	Quartz-Feldspar Porphyritic Rhyolite
4a	massive or undifferentiated
4b	banded, sheared(?)
3	Intermediate Schist, Mixed Volcanic/Sedimentary Rock
3a	chlorite schist, commonly with hornblende
3b	felsic schist, layered with sediments (cherty)
2	Mafic Volcanic (Hornblende, Biotite Locally)
2a	chlorite-biotite hornfels
2b	chlorite-biotite hornfels, porphyroblastic hornblende
1	Intermediate to Felsic, Hornfelsed Volcanic/Sedimentary Rocks
1a	felsic hornfels, aphanitic, locally sericitic, quartz rich
1b	quartz-sericite-(chlorite) schist
1c	chlorite schist
1d	homogeneous felsic hornfels, grey to cream coloured
1e	quartz feldspar porphyritic rock

SYMBOLS

Outcrop
Geological Contact (Sub-unit)
Fault
170 60 Bedding (strike and dip)
160 35 Foliation (strike and dip)
076 87 Joints (strike and dip)
176 73 Vein (strike and dip)
183 15 Lineation or Fold Hinge (strike and plunge)
Trench
Adit
Drill Hole
Test Pit
560464 or B-21 Rock Sample Location
487124 Silt Sample Location
487124 Soil Sample Location
Claim Post (located, not located)
Kilometre Marker On Road (from highway)
Age Date Sample Location

ABBREVIATIONS

agg	agglomerate	intr	intrusive
amph	amphibole	mag	magnetite
assoc	associated	maf	mafic
ba	barite	mc	malachite
bio	biotite	phenos	phenocrysts
bo	bornite	plag	plagioclase
bx	brecciated	po	pyrrhotite
cpy	chalcopyrite	ppv	pyroxene porphyritic volcanic
ep	epidote	py	pyrite
F	float (local)	pyx	pyroxene
fc	ferricrete	qtz	quartz
f.g.	fine grained	Qvn(s)	quartz vein(s)
GF	glacial float	sch	schist
goss	gossan	sph	sphalerite
hb	hornblende	vns	veins

GEOLOGICAL BRANCH ASSESSMENT REPORT

23,981

Westmin Resources Limited

BELL CREEK PROPERTY

GEOLOGY of the KNOB HILL GRID

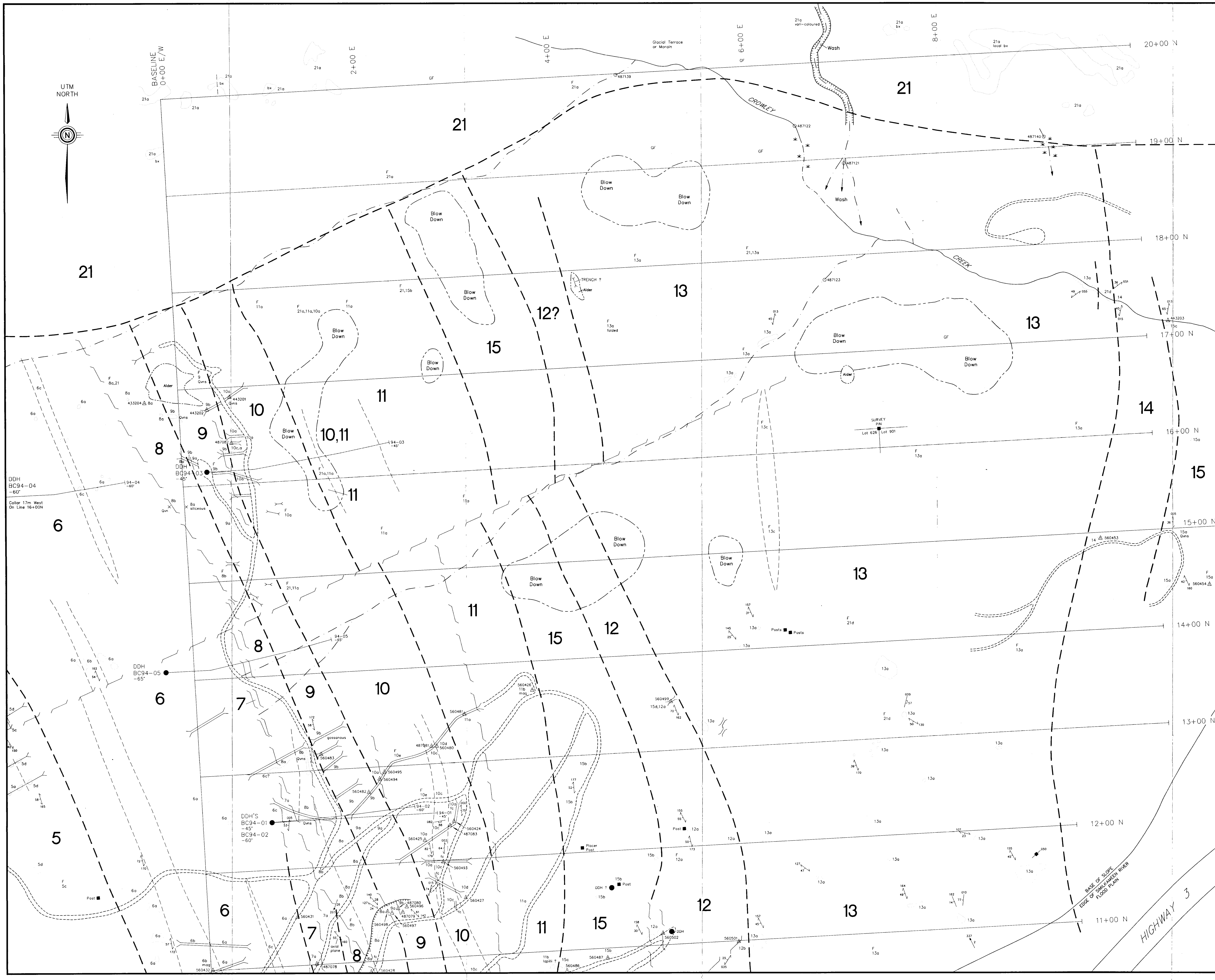
Work By	M.I.J. & C.R.
Date Drafted	31/05/94
Drafted By	R.A. Ivany
Date Revised	09/03/95
Revised By	M.I. Jones
N.T.S. Number	90 H/2
File Name	KNOBHILL

PROFESSIONAL GEOSCIENTIST M. I. JONES BRITISH COLUMBIA

6

50 0 50 100 150m
SCALE 1 : 2,500

Figure 5



LEGEND

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- 21a volcanic flows, breccias, tuffs, vari-coloured
- 21b conglomerate, minor sandstone
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- 21d basalt dykes, hornblende porphyry dykes
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- 19a chlorite ± biotite schist
- 19b amphibole-bearing ± biotite schist
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Central Facies, Nicola Group (Upper Triassic)

18 Sedimentary Rocks
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- 17a mafic, massive, pillowed, flow brecciated, pyroxene and/or plagioclase porphyritic
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Western Facies, Nicola Group (Upper Triassic, Calc-alkaline)

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15 Quartz Feldspar Porphyry Intrusive (?)
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- 15b as 15a, sill or flow unit ?
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- 15d quartz feldspar porphyry dyke

14 Chlorite Schist

13 Argillaceous Sediments
- 13a argillite, siltstone, minor cherty layers
- 13b graphitic argillite
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12 Chlorite-Biotite Schist
- 12a chlorite-biotite schist
- 12b chlorite-sericite schist

11 Red-Green Banded Schist
- 11a red/green/cream banded schist
- 11b lapilli tuff, with quartz eyes
- 11c aphanitic, light grey-blue rhyolite

10 Quartz-Sericite, Sericite Schist
- 10a sericite schist, with quartz eyes
- 10b sericite schist, with sediment component
- 10c quartz-sericite-pyrite schist
- 10d homogeneous, aphanitic, chlorite-sericite schist, dyke ?
- 10e felsic lapilli tuff

9 Mafic to Intermediate Volcanic Rocks
- 9a chlorite-sericite schist
- 9b chlorite schist

8 Red Star Horizon
- 8a felsic (sericite-quartz) schist, strongly altered
- 8b quartz sericite-pyrite schist

7 "Hanging Wall" Sediments
- 7a interbedded argillite, siltstone
- 7b graphitic argillite

6 Mixed Intermediate/Felsic Tuff/Flow Unit
- 6a mafic, chlorite (sericite) schist, with biotite, epidote common
- 6b intermediate quartz eye lapilli tuff
- 6c intermediate to felsic, quartz-sericite schist
- 6d gabbro, basalt(?)

5 Mafic Volcanic with Mixed Sedimentary Component
- 5a mafic, massive to pillowed, dark green, with epidote alteration
- 5b lean Fe formation, hematite-rich, laminated, cherty tuff/seds
- 5c mafic lapilli(?) tuff
- 5d light coloured volcanic(?) or sedimentary rock

4 Quartz-Feldspar Porphyritic Rhyolite
- 4a massive or undifferentiated
- 4b banded, sheared(?)

3 Intermediate Schist, Mixed Volcanic/Sedimentary Rock
- 3a chlorite schist, commonly with hornblende
- 3b felsic schist, layered with sediments (cherty)

2 Mafic Volcanic (Hornblende, Biotite Locally)
- 2a chlorite-biotite hornfels
- 2b chlorite-biotite hornfels, porphyroblastic hornblende

1 Intermediate to Felsic, Hornfelsed Volcanic/Sedimentary Rocks
- 1a felsic hornfels, aphanitic, locally sericitic, quartz rich
- 1b quartz-sericite-(chlorite) schist
- 1c chlorite schist
- 1d homogeneous felsic hornfels, grey to cream coloured
- 1e quartz feldspar porphyritic rock

SYMBOLS

- Outcrop
- Geological Contact (Sub-unit)
- Fault
- 170 / 60 Bedding (strike and dip)
- 160 / 35 Foliation (strike and dip)
- 076 / 87 Joints (strike and dip)
- 176 / 73 Vein (strike and dip)
- 183 / 15 Lineation or Fold Hinge (strike and plunge)
- Trench
- Adit
- Drill Hole
- Test Pit
- 560464 or B-21 Rock Sample Location
- 487124 Silt Sample Location
- 487124 Soil Sample Location
- Claim Post (located, not located)
- Kilometre Marker On Road (from highway)
- Age Date Sample Location

ABBREVIATIONS

agg	agglomerate	intr	intrusive
amph	amphibole	mag	magnetite
assoc	associated	maf	mafic
ba	barite	mc	malachite
bio	biotite	phenos	phenocrysts
bo	bornite	plag	plagioclase
bx	brecciated	po	pyrrhotite
cpy	chalcopyrite	ppv	pyroxene porphyritic volcanic
ep	epidote	py	pyrite
F	float (local)	pyx	pyroxene
fc	ferricrete	qtz	quartz
f.g.	fine grained	Qvn(s)	quartz vein(s)
GF	glacial float	sch	schist
goss	gossan	sph	sphalerite
hb	hornblende	vns	veins

GEOLOGICAL BRANCH ASSESSMENT REPORT

23,981

Westmin Resources Limited

BELL CREEK PROPERTY

GEOLOGY of the RED STAR GRID (North Half)

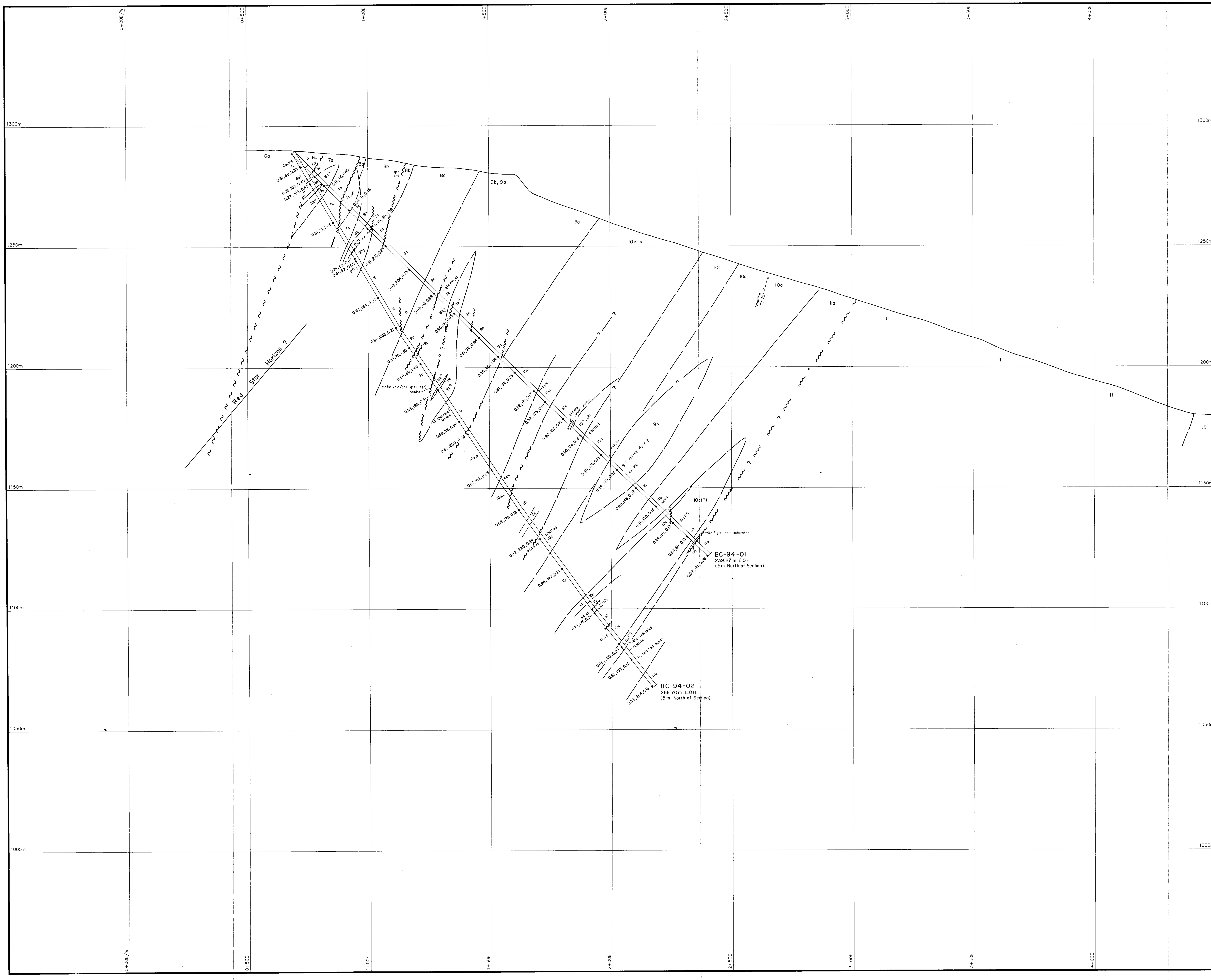
Work By	M.I.J. & C.R.
Date Drafted	23/03/94
Drafted By	R.A. Ivany
Date Revised	09/05/95
Revised By	M.I. Jones
N.T.S. Number	90 H/2
File Name	RDSTAR_2

SCALE 1 : 1,250 (25 0 25 50 75m)

Figure 6

PROFESSIONAL GEOSCIENTIST M. I. JONES PROVINCE OF BRITISH COLUMBIA

7



LEGEND

21 Princeton Group Volcanic and Sedimentary Rocks (Eocene)
- 21a volcanic flows, breccias, tuffs, vari-coloured
- 21b conglomerate, minor sandstone
- 21c argillite
- 21d basalt dykes, hornblende porphyry dykes
- 21e quartz eye porphyritic dykes

20 Eagle Plutonic Complex (Upper Jurassic – Lower Cretaceous)
- 20a massive granodiorite, granite
- 20b gneiss, gneissic textures intrusions
- 20c aplite dykes

19 Amphibolite
- 19a chlorite ± biotite schist
- 19b amphibole-bearing ± biotite schist
- 19c amphibolite, ± biotite

Central Facies, Nicola Group (Upper Triassic)

18 Sedimentary Rocks
- 18a argillite
- 18b grey to black siltstone/sandstone

17 Volcanic Rocks (Alkaline, includes Wolf Creek Formation)
- 17a mafic, massive, pillowed, flow brecciated, pyroxene and/or plagioclase porphyritic
- 17b volcanic breccia, agglomerate, lapilli tuff (porphyritic)
- 17c fine grained tuff, cherty tuff
- 17d undifferentiated
- 17e quartz-eye felsic tuff, lapilli/agglomerate

Western Facies, Nicola Group (Upper Triassic, Calc-alkaline)

16 Mafic to Intermediate Volcanic Rocks, Minor Sediments
- 16a quartz eye lapilli tuff
- 16b chlorite schist, locally carbonatized
- 16c interbedded intermediate tuffs, argillaceous sediments

15 Quartz Feldspar Porphyry Intrusive (?)
- 15a moderate foliated, quartz + feldspar phenocrysts to 20%
- 15b as 15a, sill or flow unit ?
- 15c strongly sheared porphyry
- 15d quartz feldspar porphyry dyke

14 Chlorite Schist

13 Argillaceous Sediments
- 13a argillite, siltstone, minor cherty layers
- 13b graphitic argillite
- 13c chlorite-sericite schist

12 Chlorite-Biotite Schist
- 12a chlorite-biotite schist
- 12b chlorite-sericite schist

11 Red-Green Banded Schist
- 11a red/green/cream banded schist
- 11b lapilli tuff, with quartz eyes
- 11c aphanitic, light grey-blue rhyolite

10 Quartz-Sericite, Sericite Schist
- 10a sericite schist, with quartz eyes
- 10b sericite schist, with sediment component
- 10c quartz-sericite-pyrite schist
- 10d homogeneous, aphanitic, chlorite-sericite schist, dyke ?
- 10e felsic lapilli tuff

9 Mafic to Intermediate Volcanic Rocks
- 9a chlorite-sericite schist
- 9b chlorite schist

8 Red Star Horizon
- 8a felsic (sericite-quartz) schist, strongly altered
- 8b quartz sericite-pyrite schist

7 "Hanging Wall" Sediments
- 7a interbedded argillite, siltstone
- 7b graphitic argillite

6 Mixed Intermediate/Felsic Tuff/Flow Unit
- 6a mafic, chlorite (sericite) schist, with biotite, epidote common
- 6b intermediate quartz eye lapilli tuff
- 6c intermediate to felsic, quartz-sericite schist
- 6d gabbro, basalt(?)

5 Mafic Volcanic with Mixed Sedimentary Component
- 5a mafic, massive to pillowed, dark green, with epidote alteration
- 5b lean Fe formation, hematite-rich, laminated, cherty tuff/seds
- 5c mafic lapilli(?) tuff
- 5d light coloured volcanic(?) or sedimentary rock

4 Quartz-Feldspar Porphyritic Rhyolite
- 4a massive or undifferentiated
- 4b banded, sheared(?)

3 Intermediate Schist, Mixed Volcanic/Sedimentary Rock
- 3a chlorite schist, commonly with hornblende
- 3b felsic schist, layered with sediments (cherty)

2 Mafic Volcanic (Hornblende, Biotite Locally)
- 2a chlorite-biotite hornfels
- 2b chlorite-biotite hornfels, porphyroblastic hornblende

1 Intermediate to Felsic, Hornfelsed Volcanic/Sedimentary Rocks
- 1a felsic hornfels, aphanitic, locally sericitic, quartz rich
- 1b quartz-sericite-(chlorite) schist
- 1c chlorite schist
- 1d homogeneous felsic hornfels, grey to cream coloured
- 1e quartz feldspar porphyritic rock

ABBREVIATIONS

agg	agglomerate	intr	intrusive
amph	amphibole	mg	magnetite
assoc	associated	maf	mafic
ba	barite	mc	malachite
bio	biotite	phenos	phenocrysts
bo	bornite	plag	plagioclase
bx	brecciated	po	pyrrhotite
cp	chalcopyrite	ppv	pyroxene porphyritic volcanic
ep	epidote	py	pyrite
F	float (local)	pyx	pyroxene
fc	ferricrete	qtz	quartz
f.g.	fine grained	Qvn(s)	quartz vein(s)
GF	glacial float	sch	schist
goss	gossan	sp	sphalerite
hb	hornblende	vns	veins

GEOLOGICAL BRANCH ASSESSMENT REPORT

23,981

0.42, 235, 0.10 ● Whole rock geochemical sample site, Alteration Index, Zr (ppm), TiO_2 (%)

WESTMIN — Westmin Resources Limited

Work By	D. Pawliuk
Date Drafted	
Drafted By	
Date Revised	
Revised By	
N.T.S. Number	90 H/2
File Name	BL_1250N

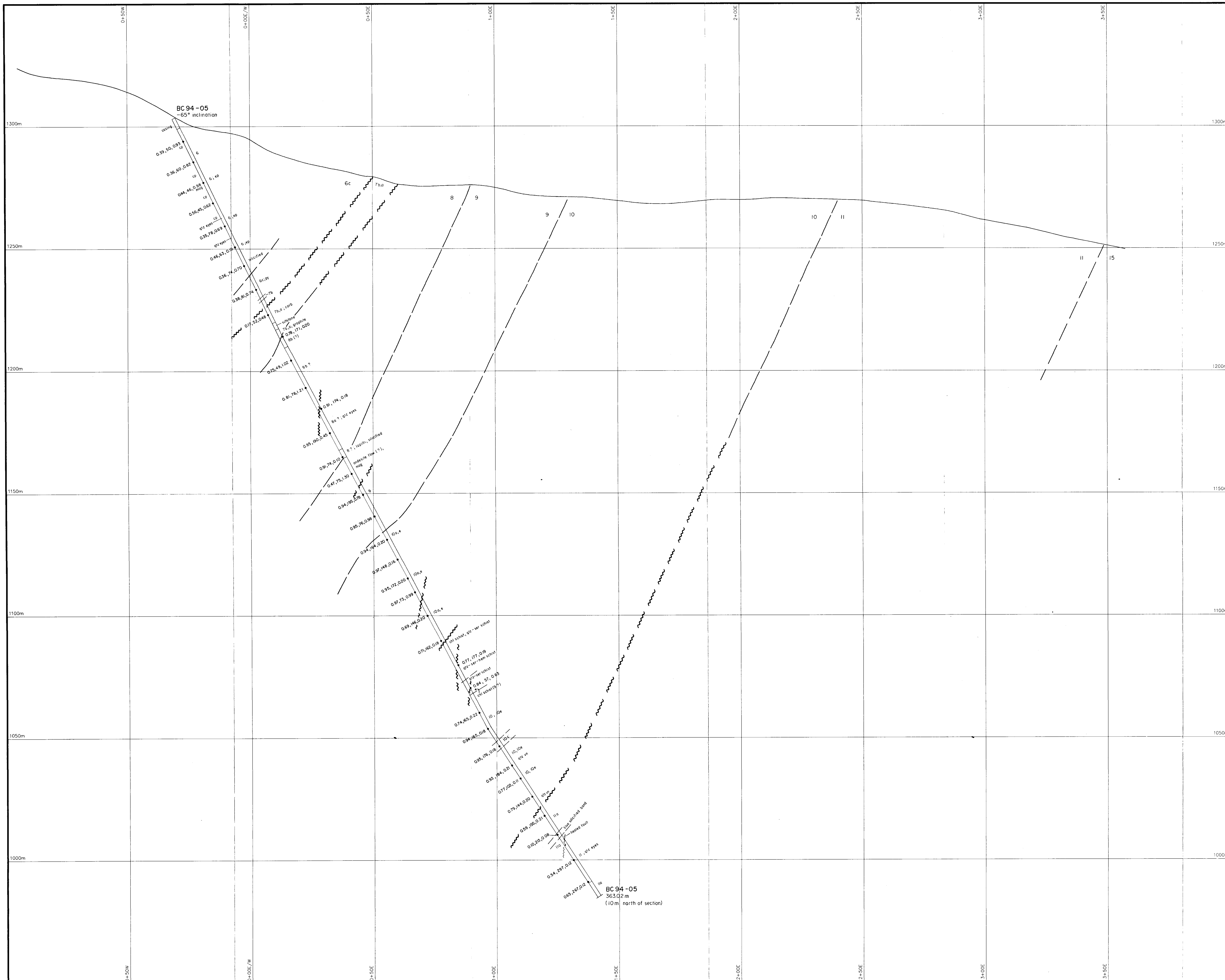
BELL CREEK PROPERTY

CROSS-SECTION 12+50N (Looking North)

PROFESSIONAL GEOSCIENTIST — PROVINCE OF BRITISH COLUMBIA — M. I. JONES

10 0 10 20 30m — SCALE 1 : 500

Figure 12



LEGEND

[21] Princeton Group Volcanic and Sedimentary Rocks (Eocene)
- [21a] volcanic flows, breccias, tuffs, vari-coloured
- [21b] conglomerate, minor sandstone
- [21c] argillite
- [21d] basalt dykes, hornblende porphyry dykes
- [21e] quartz eye porphyritic dykes

[20] Eagle Plutonic Complex (Upper Jurassic - Lower Cretaceous)
- [20a] massive granodiorite, granite
- [20b] gneiss, gneissic textures intrusions
- [20c] aplite dykes

[19] Amphibolite
- [19a] chlorite ± biotite schist
- [19b] amphibole-bearing ± biotite schist
- [19c] amphibolite, ± biotite

Central Facies, Nicola Group (Upper Triassic)

[18] Sedimentary Rocks
- [18a] argillite
- [18b] grey to black siltstone/sandstone

[17] Volcanic Rocks (Alkaline, includes Wolf Creek Formation)
- [17a] mafic, massive, pillowed, flow brecciated, pyroxene and/or plagioclase porphyritic
- [17b] volcanic breccia, agglomerate, lapilli tuff (porphyritic)
- [17c] fine grained tuff, cherty tuff
- [17d] undifferentiated
- [17e] quartz-eye felsic tuff, lapilli/agglomerate

Western Facies, Nicola Group (Upper Triassic, Calc-alkaline)

[16] Mafic to Intermediate Volcanic Rocks, Minor Sediments
- [16a] quartz eye lapilli tuff
- [16b] chlorite schist, locally carbonatized
- [16c] interbedded intermediate tuffs, argillaceous sediments

[15] Quartz Feldspar Porphyry Intrusive (?)
- [15a] moderate foliated, quartz + feldspar phenocrysts to 20%
- [15b] as 15a, sill or flow unit ?
- [15c] strongly sheared porphyry
- [15d] quartz feldspar porphyry dyke

[14] Chlorite Schist

[13] Argillaceous Sediments
- [13a] argillite, siltstone, minor cherty layers
- [13b] graphitic argillite
- [13c] chlorite-sericite schist

[12] Chlorite-Biotite Schist
- [12a] chlorite-biotite schist
- [12b] chlorite-sericite schist

[11] Red-Green Banded Schist
- [11a] red/green/cream banded schist
- [11b] lapilli tuff, with quartz eyes
- [11c] aphanitic, light grey-blue rhyolite

[10] Quartz-Sericite, Sericite Schist
- [10a] sericite schist, with quartz eyes
- [10b] sericite schist, with sediment component
- [10c] quartz-sericite-pyrite schist
- [10d] homogeneous, aphanitic, chlorite-sericite schist, dyke ?
- [10e] felsic lapilli tuff

[9] Mafic to Intermediate Volcanic Rocks
- [9a] chlorite-sericite schist
- [9b] chlorite schist

[8] Red Star Horizon
- [8a] felsic (sericite-quartz) schist, strongly altered
- [8b] quartz sericite-pyrite schist

[7] "Hanging Wall" Sediments
- [7a] interbedded argillite, siltstone
- [7b] graphitic argillite

[6] Mixed Intermediate/Felsic Tuff/Flow Unit
- [6a] mafic, chlorite (sericite) schist, with biotite, epidote common
- [6b] intermediate quartz eye lapilli tuff
- [6c] intermediate to felsic, quartz-sericite schist
- [6d] gabbro, basalt(?)

[5] Mafic Volcanic with Mixed Sedimentary Component
- [5a] mafic, massive to pillowed, dark green, with epidote alteration
- [5b] lean Fe formation, hematite-rich, laminated, cherty tuff/seds
- [5c] mafic lapilli(?) tuff
- [5d] light coloured volcanic(?) or sedimentary rock

[4] Quartz-Feldspar Porphyritic Rhyolite
- [4a] massive or undifferentiated
- [4b] banded, sheared(?)

[3] Intermediate Schist, Mixed Volcanic/Sedimentary Rock
- [3a] chlorite schist, commonly with hornblende
- [3b] felsic schist, layered with sediments (cherty)

[2] Mafic Volcanic (Hornblende, Biotite Locally)
- [2a] chlorite-biotite hornfels
- [2b] chlorite-biotite hornfels, porphyroblastic hornblende

[1] Intermediate to Felsic, Hornfelsed Volcanic/Sedimentary Rocks
- [1a] felsic hornfels, aphanitic, locally sericitic, quartz rich
- [1b] quartz-sericite-(chlorite) schist
- [1c] chlorite schist
- [1d] homogeneous felsic hornfels, grey to cream coloured
- [1e] quartz feldspar porphyritic rock

ABBREVIATIONS

agg	–	agglomerate	intr	–	intrusive
amph	–	amphibole	mag	–	magnetite
assoc	–	associated	maf	–	mafic
ba	–	barite	mc	–	malachite
bio	–	biotite	phenos	–	phenocrysts
bo	–	bornite	plag	–	plagioclase
bx	–	brecciated	po	–	pyrrhotite
cp	–	chalcopyrite	ppv	–	pyroxene porphyritic volcanic
ep	–	epidote	py	–	pyrite
F	–	float (local)	pyx	–	pyroxene
fc	–	ferricrete	qtz	–	quartz
f.g.	–	fine grained	Qvn(s)	–	quartz vein(s)
GF	–	glacial float	sch	–	schist
goss	–	gossan	sp	–	sphalerite
hb	–	hornblende	vns	–	veins

GEOLOGICAL BRANCH
ASSESSMENT REPORT

23,981

0.42, 235, 0.10 ● Whole rock geochemical sample site; Alteration Index, Zr (ppm), TiO_2 (%)

Westmin Resources Limited

Work By	D. Pawliuk
Date Drafted	
Drafted By	
Date Revised	
Revised By	
N.T.S. Number	90 H/2
File Name	BL_1400N

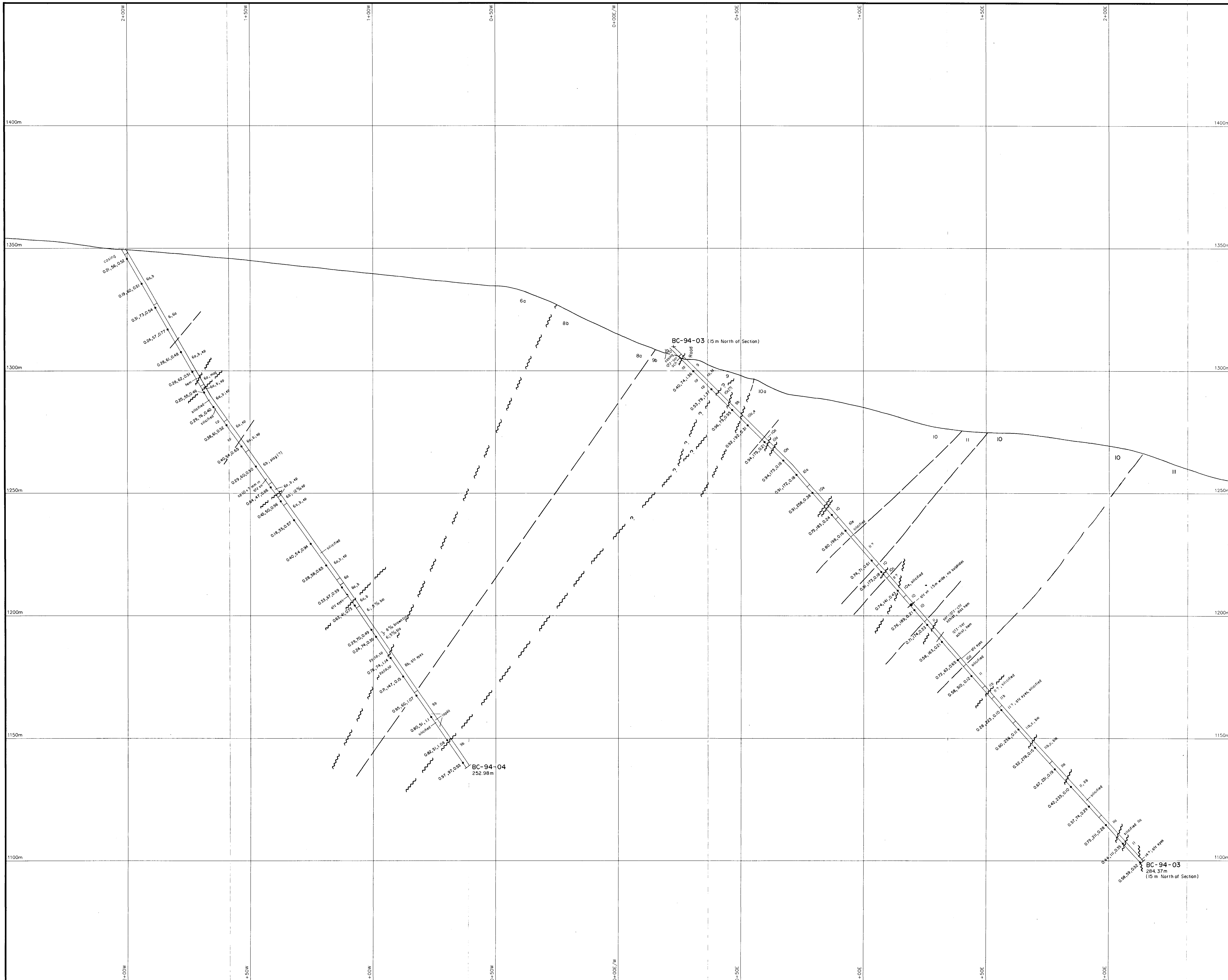
BELL CREEK PROPERTY

CROSS-SECTION
14+00N
(Looking North)

PROFESSIONAL GEOSCIENTIST M. I. JONES BRITISH COLUMBIA

SCALE 1 : 500

Figure 13



LEGEND

21		Princeton Group Volcanic and Sedimentary Rocks (Eocene)
	21a	volcanic flows, breccias, tuffs, vari-coloured
	21b	conglomerate, minor sandstone
	21c	argillite
	21d	basalt dykes, hornblende porphyry dykes
	21e	quartz eye porphyritic dykes
20		Eagle Plutonic Complex (Upper Jurassic – Lower Cretaceous)
	20a	massive granodiorite, granite
	20b	gneiss, gneissic textures intrusions
	20c	aplite dykes
19		Amphibolite
	19a	chlorite ± biotite schist
	19b	amphibole-bearing ± biotite schist
	19c	amphibolite, ± biotite
Central Facies, Nicola Group (Upper Triassic)		
18		Sedimentary Rocks
	18a	argillite
	18b	grey to black siltstone/sandstone
17		Volcanic Rocks (Alkaline, includes Wolf Creek Formation)
	17a	mafic, massive, pillowed, flow brecciated, pyroxene and/or plagioclase porphyritic
	17b	volcanic breccia, agglomerate, lapilli tuff (porphyritic)
	17c	fine grained tuff, cherty tuff
	17d	undifferentiated
	17e	quartz-eye felsic tuff, lapilli/agglomerate
Western Facies, Nicola Group (Upper Triassic, Calc-alkaline)		
16		Mafic to Intermediate Volcanic Rocks, Minor Sediments
	16a	quartz eye lapilli tuff
	16b	chlorite schist, locally carbonatized
	16c	interbedded intermediate tuffs, argillaceous sediments
15		Quartz Feldspar Porphyry Intrusive (?)
	15a	moderate foliated, quartz + feldspar phenocrysts to 20%
	15b	as 15a, sill or flow unit ?
	15c	strongly sheared porphyry
	15d	quartz feldspar porphyry dyke
14		Chlorite Schist
13		Argillaceous Sediments
	13a	argillite, siltstone, minor cherty layers
	13b	graphitic argillite
	13c	chlorite-sericite schist
12		Chlorite-Biotite Schist
	12a	chlorite-biotite schist
	12b	chlorite-sericite schist
11		Red-Green Banded Schist
	11a	red/green/cream banded schist
	11b	lapilli tuff, with quartz eyes
	11c	aphanitic, light grey-blue rhyolite
10		Quartz-Sericite, Sericite Schist
	10a	sericite schist, with quartz eyes
	10b	sericite schist, with sediment component
	10c	quartz-sericite-pyrite schist
	10d	homogeneous, aphanitic, chlorite-sericite schist, dyke ?
	10e	felsic lapilli tuff
9		Mafic to Intermediate Volcanic Rocks
	9a	chlorite-sericite schist
	9b	chlorite schist
8		Red Star Horizon
	8a	felsic (sericite-quartz) schist, strongly altered
	8b	quartz sericite-pyrite schist
7		"Hanging Wall" Sediments
	7a	interbedded argillite, siltstone
	7b	graphitic argillite
6		Mixed Intermediate/Felsic Tuff/Flow Unit
	6a	mafic, chlorite (sericite) schist, with biotite, epidote common
	6b	intermediate quartz eye lapilli tuff
	6c	intermediate to felsic, quartz-sericite schist
	6d	gabbro, basalt(?)
5		Mafic Volcanic with Mixed Sedimentary Component
	5a	mafic, massive to pillowed, dark green, with epidote alteration
	5b	lean Fe formation, hematite-rich, laminated, cherty tuff/seds
	5c	mafic lapilli(?) tuff
	5d	light coloured volcanic(?) or sedimentary rock
4		Quartz-Feldspar Porphyritic Rhyolite
	4a	massive or undifferentiated
	4b	banded, sheared(?)
3		Intermediate Schist, Mixed Volcanic/Sedimentary Rock
	3a	chlorite schist, commonly with hornblende
	3b	felsic schist, layered with sediments (cherty)
2		Mafic Volcanic (Hornblende, Biotite Locally)
	2a	chlorite-biotite hornfels
	2b	chlorite-biotite hornfels, porphyroblastic hornblende
1		Intermediate to Felsic, Hornfelsed Volcanic/Sedimentary Rocks
	1a	felsic hornfels, aphanitic, locally sericitic, quartz rich
	1b	quartz-sericite-(chlorite) schist
	1c	chlorite schist
	1d	homogeneous felsic hornfels, grey to cream coloured
	1e	quartz feldspar porphyritic rock

ABBREVIATIONS

agg	agglomerate	intr	intrusive
amph	amphibole	mag	magnetite
assoc	associated	maf	mafic
ba	barite	mc	malachite
bio	biotite	phenos	phenocrysts
bo	bornite	plag	plagioclase
bx	brecciated	po	pyrrhotite
cp	chalcopyrite	ppv	pyroxene porphyritic volcanic
ep	epidote	py	pyrite
F	float (local)	pyx	pyroxene
fc	ferricrete	qtz	quartz
f.g.	fine grained	Qvn(s)	quartz vein(s)
GF	glacial float	sch	schist
goss	gossan	sp	sphalerite
hb	hornblende	vns	veins

GEOLOGICAL BRANCH
ASSESSMENT REPORT

23,981

0.42,235,0.10 ● Whole rock geochemical sample site; Alteration Index, Zr (ppm), TiO_2 (%)

Westmin Resources Limited

BELL CREEK PROPERTY

CROSS-SECTION 16+00N (Looking North)

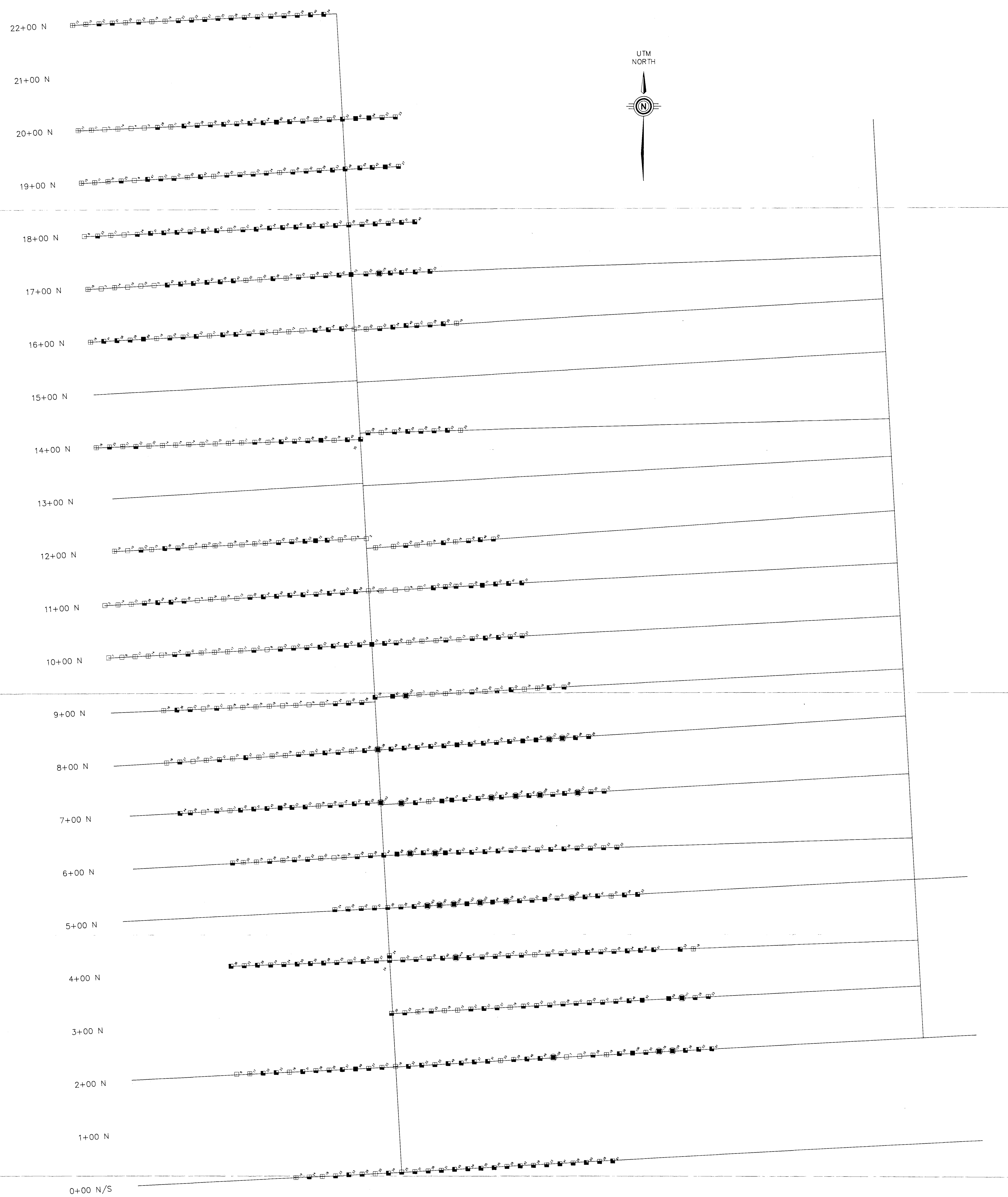
Work By	D. Pawliuk
Date Drafted	
Drafted By	
Date Revised	
Revised By	
N.T.S. Number	90 H/2
File Name	BL_1600N

SCALE 1 : 500 (10 0 10 20 30m)

PROFESSIONAL GEOSCIENTIST M. T. JONES BRITISH COLUMBIA

Figure 14

10



GEOLOGICAL BRANCH
ASSESSMENT REPORT

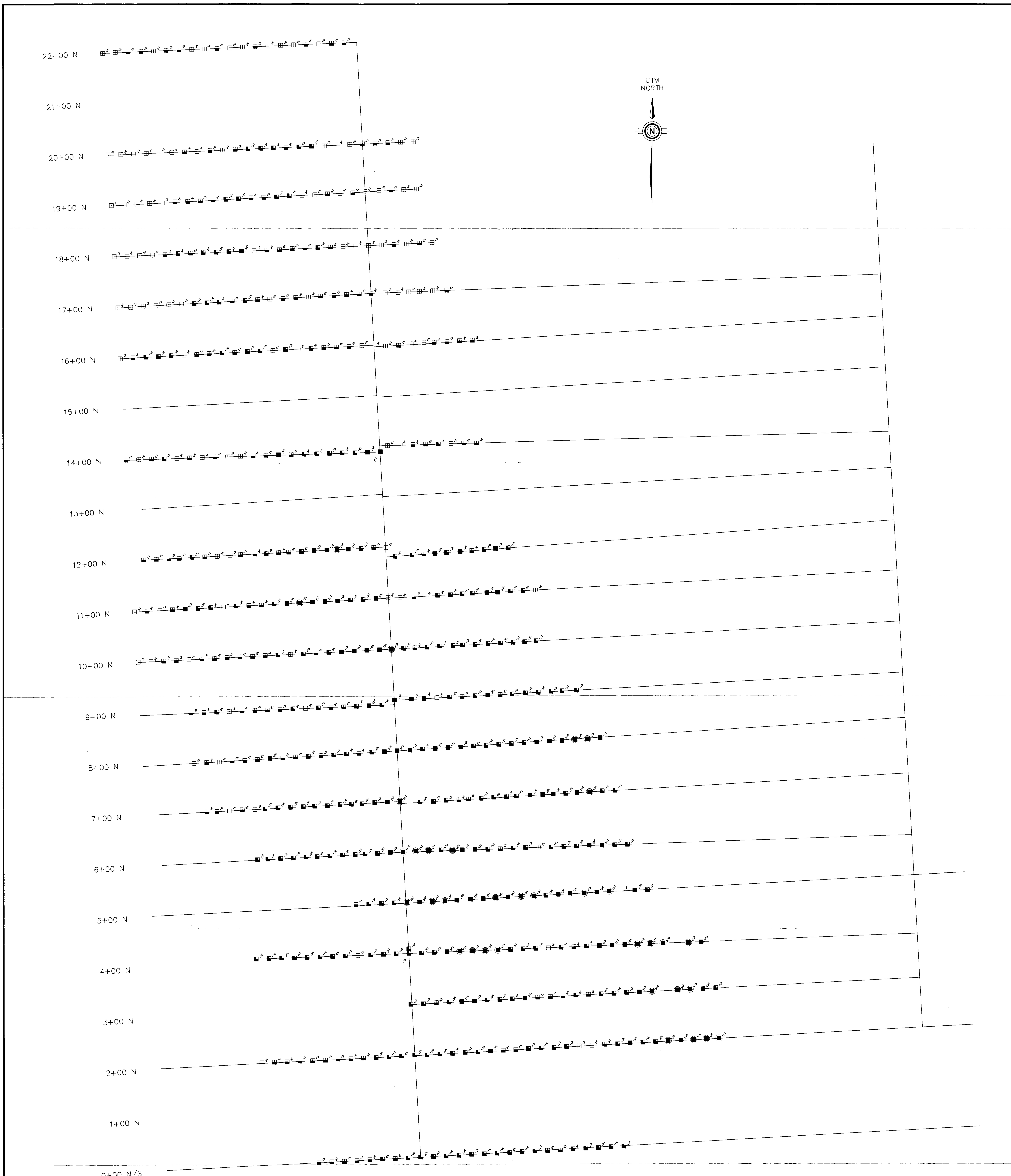
23,981

ANALYTICAL THRESHOLDS

CU Values in PPM

Symbol	Range
□	< 1 – 10
⊞	10 – 20
▄	20 – 30
▙	30 – 65
■	65 – 110
◙	110 >>>>>>>

WESTMIN	Westmin Resources Limited
Work By: M.I.J. & C.R.	BELL CREEK PROPERTY
Date Drafted: 22/02/95	CU SOIL GEOCHEMISTRY
Drafted By: R.A. Ivany	KNOB HILL GRID
Date Revised:	11
Revised By:	Created By GEO-LOGICK System
N.T.S. Number: 90 H/2	50 0 50 100 150m SCALE 1 : 2,500
File Name: KNOBSOIL	Figure 15a



GEOLOGICAL BRANCH
ASSESSMENT REPORT

23,981

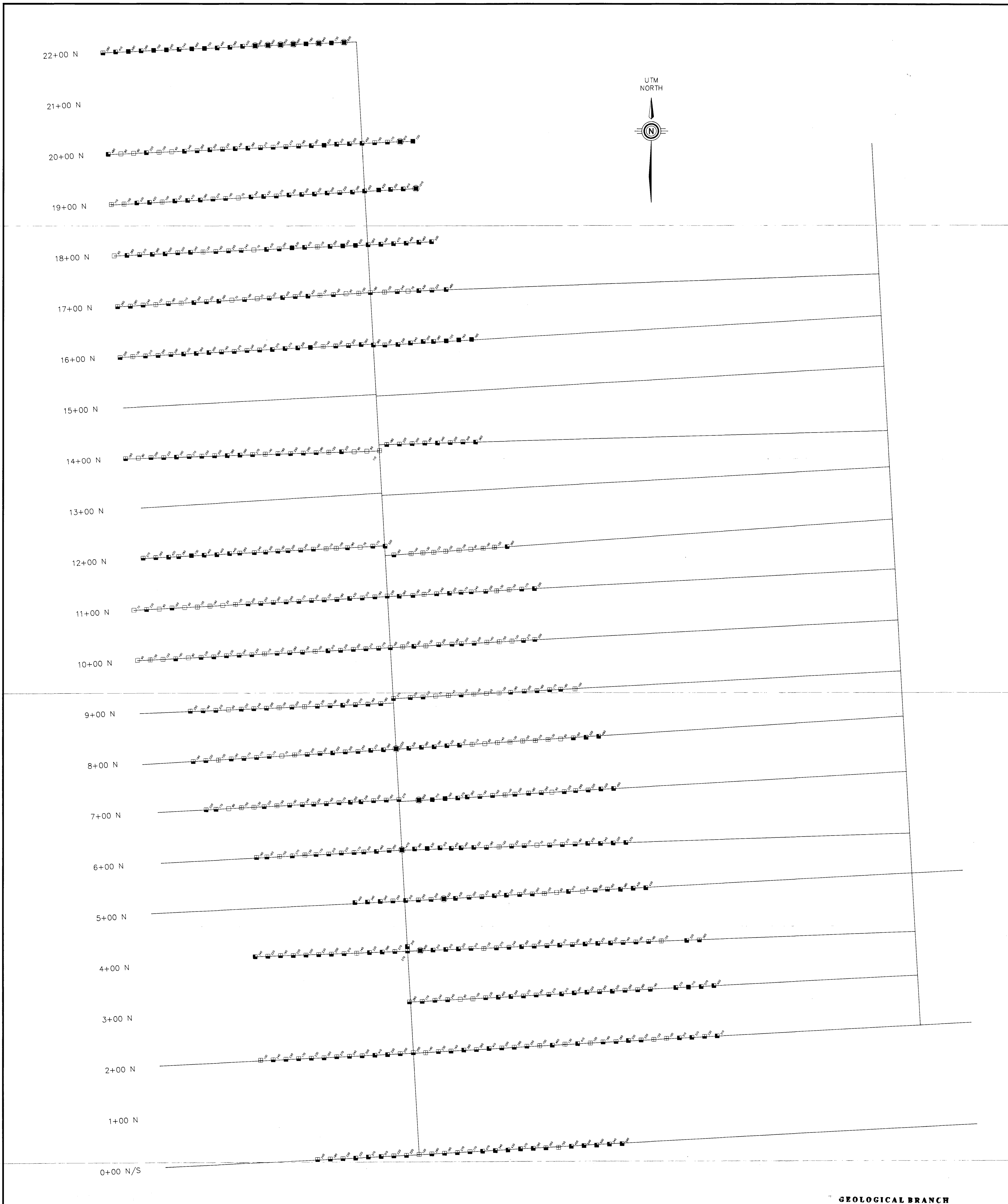
ANALYTICAL THRESHOLDS

ZN Values in PPM

Symbol	Range
□	< 1 – 40
⊞	40 – 60
⬓	60 – 90
◪	90 – 170
■	170 – 400
◙	400 >>>>>>>

Westmin Resources Limited

Work By: M.I.J. & C.R.	**BELL CREEK PROPERTY**
Date Drafted: 22/02/95	ZN SOIL GEOCHEMISTRY
Drafted By: R.A. Ivany	KNOB HILL GRID
Date Revised:	
Revised By:	Created By GEO-LOGICK System
N.T.S. Number: 90 H/2	SCALE 1 : 2,500 (50 0 50 100 150m)
File Name: KNOBSOIL	Figure 15b



GEOLOGICAL BRANCH
ASSESSMENT REPORT

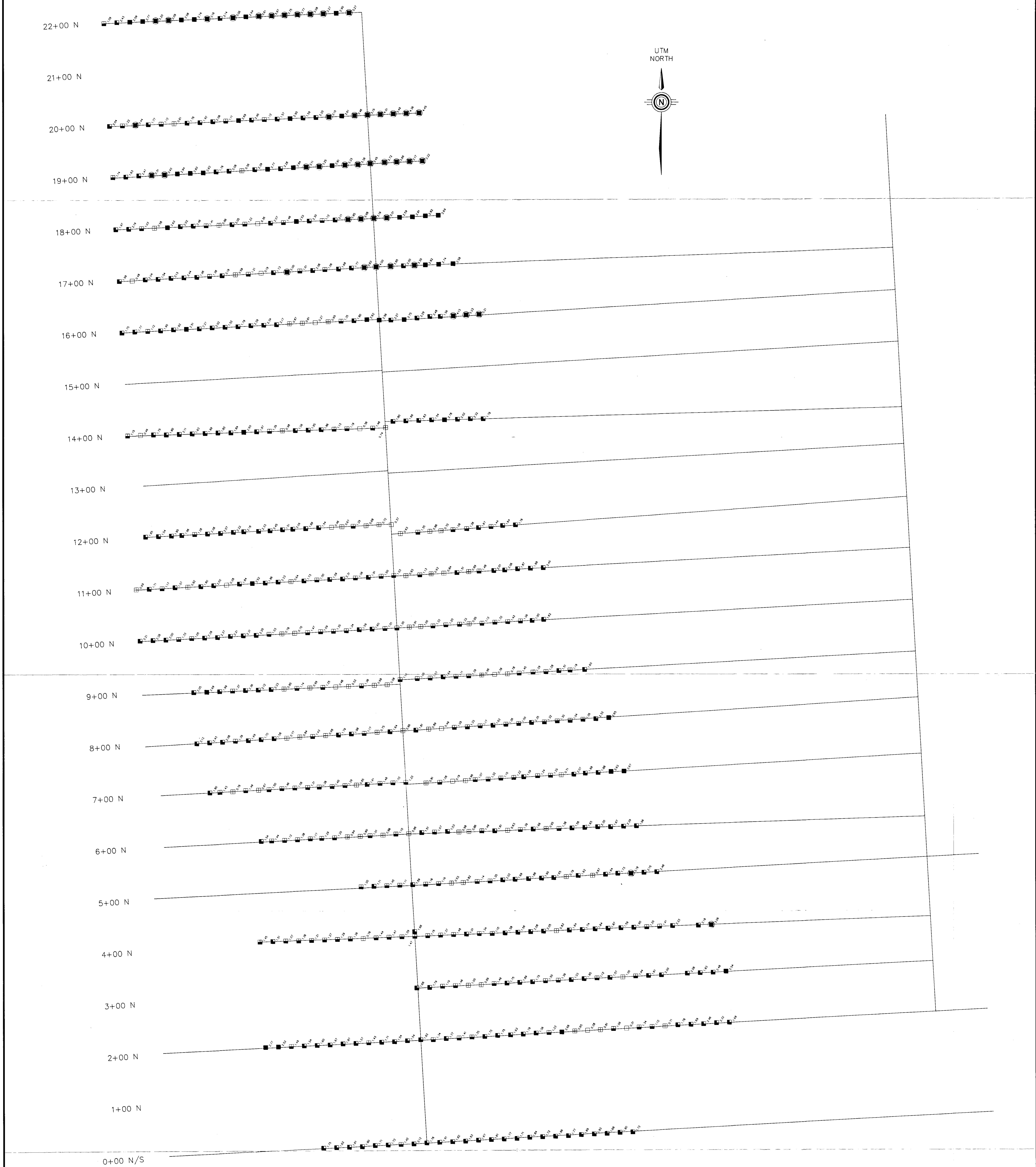
23,981

ANALYTICAL THRESHOLDS

BA Values in PPM

- < 1 – 90
- 90 – 150
- 150 – 300
- 300 – 600
- 600 – 800
- 800 >>>>>>>

WESTMIN	Westmin Resources Limited
Work By: M.I.J. & C.R.	BELL CREEK PROPERTY
Date Drafted: 22/02/95	BA SOIL GEOCHEMISTRY
Drafted By: R.A. Ivany	KNOB HILL GRID
Date Revised	(13)
Revised By	Created By GEO-LOGICK System
N.T.S. Number: 90 H/2	50 0 50 100 150m — SCALE 1 : 2,500
File Name: KNOBSOIL	Figure 15c



GEOLOGICAL BRANCH
ASSESSMENT REPORT

23,981

ANALYTICAL THRESHOLDS

CA Values in %

□	< 0.01 – 0.50
⊞	0.50 – 1.00
	1.00 – 1.50
	1.50 – 2.50
■	2.50 – 3.00
	3.00 >>>>>>>

Westmin Resources Limited

Work By	M.I.J. & C.R.
Date Drafted	22/02/95
Drafted By	R.A. Ivany
Date Revised	
Revised By	
N.T.S. Number	-
File Name	

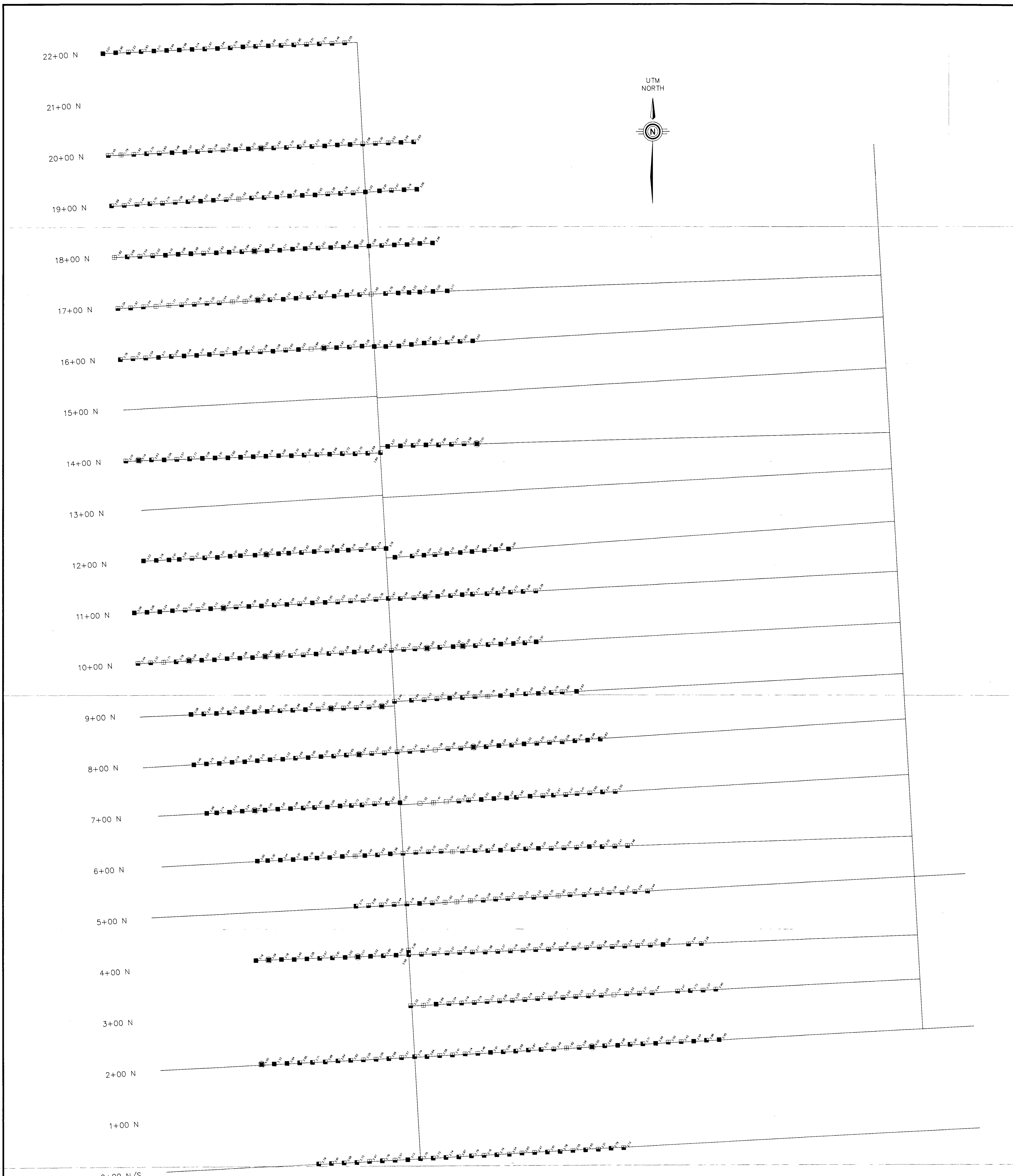
BELL CREEK PROPERTY
CA SOIL GEOCHEMISTRY
KNOB HILL GRID

(14)

Created By GEO-LOGICK System

50 0 50 100 150m
SCALE 1 : 2,500

Figure 15d



GEOLOGICAL BRANCH
ASSESSMENT REPORT

23,981

PROFESSIONAL GEOSCIENTIST — M. I. JONES — PROVINCE OF BRITISH COLUMBIA

ANALYTICAL THRESHOLDS

NA Values in %

Symbol	Range
⊡	< 0.01 – 1.30
⊞	1.30 – 1.90
	1.90 – 2.60
	2.60 – 2.90
■	2.90 – 3.50
	3.50 >>>>>>>

WESTMIN

Westmin Resources Limited

Work By	M.I.J. & C.R.
Date Drafted	22/02/95
Drafted By	R.A. Ivany
Date Revised	
Revised By	
N.T.S. Number	90 H/2
File Name	KNOBSOIL

BELL CREEK PROPERTY
NA SOIL GEOCHEMISTRY
KNOB HILL GRID

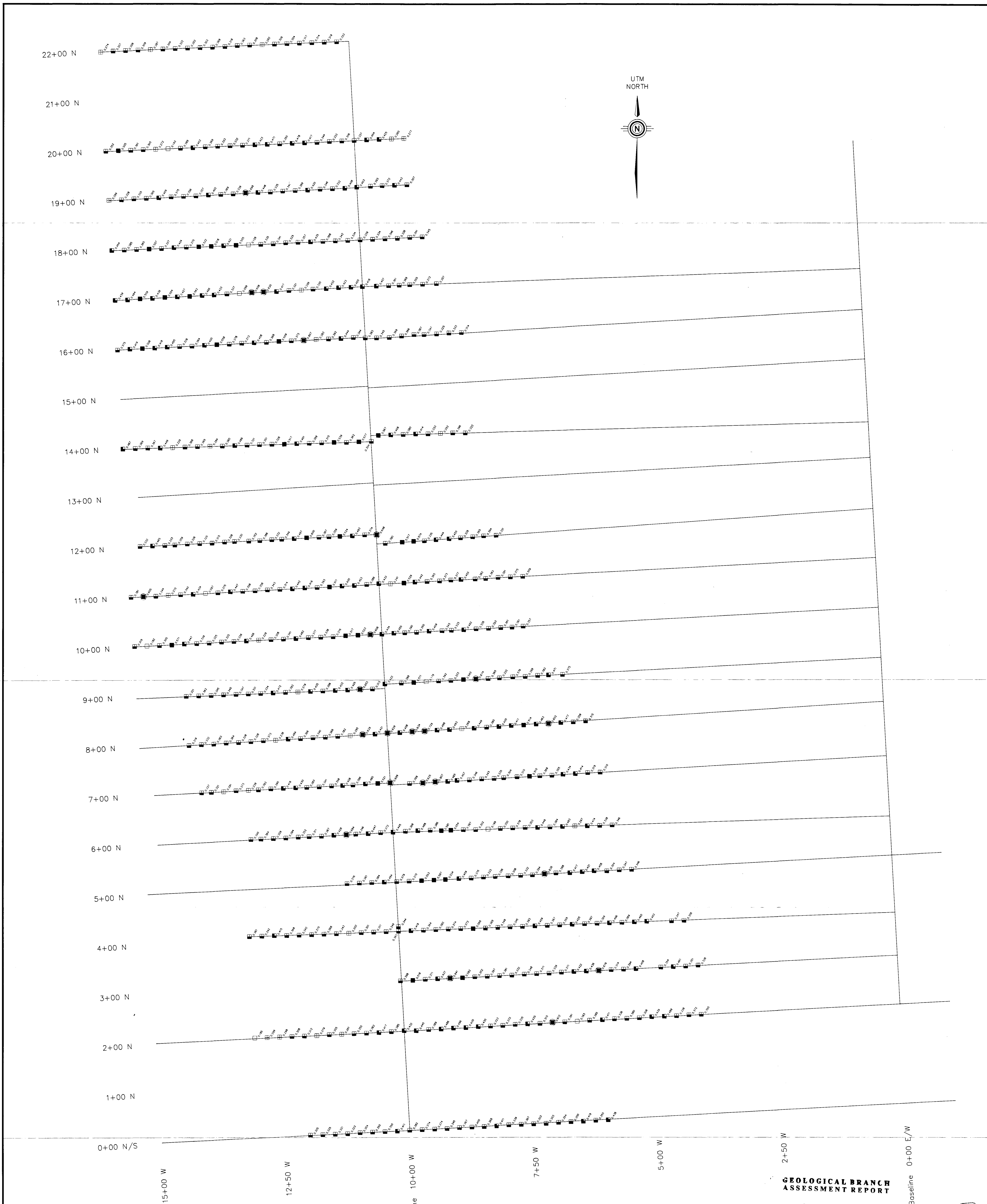
(15)

Created By GEO-LOGICK System

50 0 50 100 150m

SCALE 1 : 2,500

Figure 15e



GEOLOGICAL BRANCH ASSESSMENT REPORT

23,981

ANALYTICAL THRESHOLDS

Alteration Index Values

- 0.000 – 0.200
- 0.200 – 0.300
- 0.300 – 0.400
- 0.400 – 0.500
- 0.500 – 0.600
- 0.600 >>>>>>>

Westmin Resources Limited

BELL CREEK PROPERTY

ALTERATION INDEX
KNOB HILL GRID

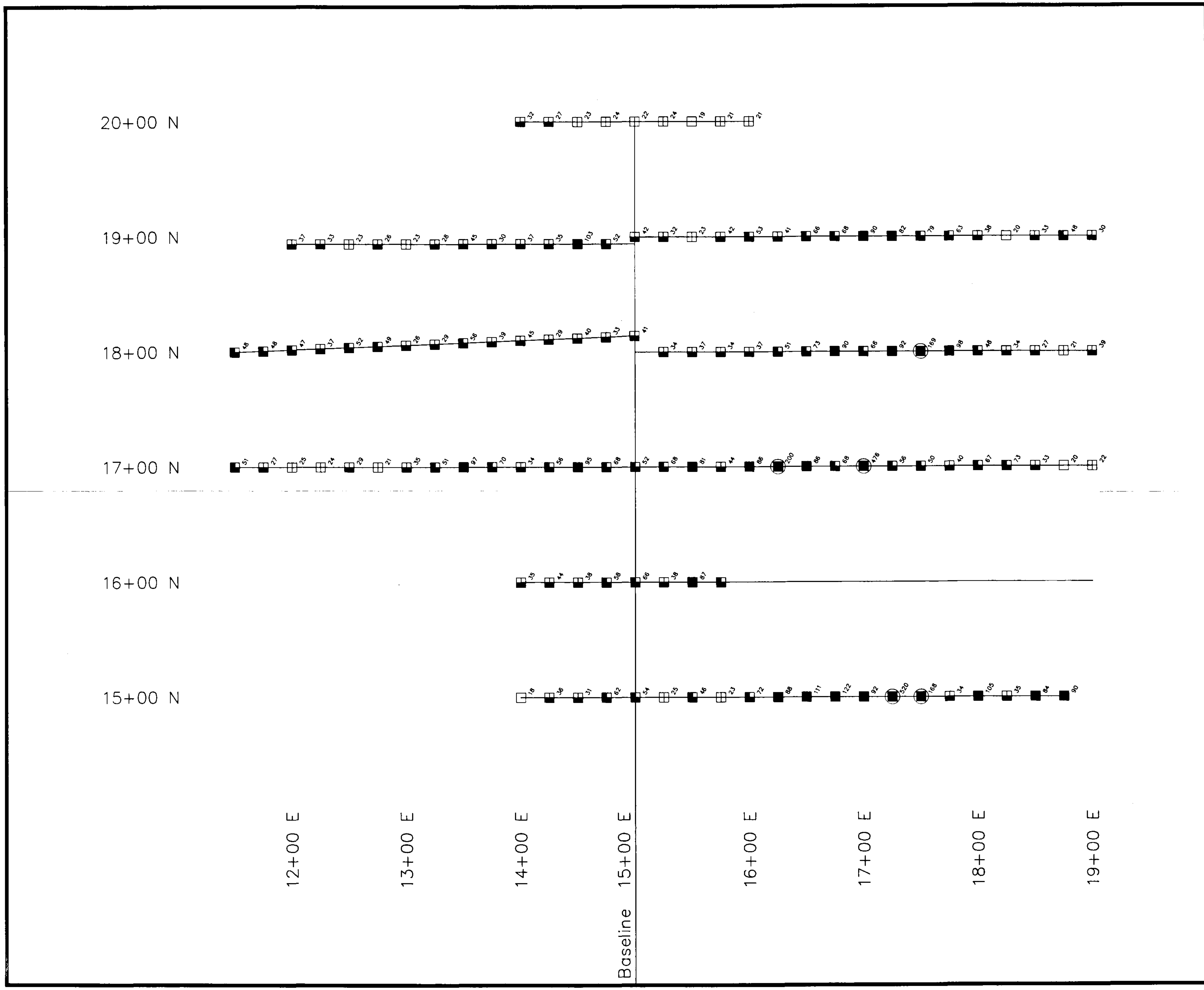
(16)

Work By	M.I.J. & C.R.
Date Drafted	22/02/95
Drafted By	R.A. Ivany
Date Revised	
Revised By	
N.T.S. Number	90 H/2
File Name	KNOBSOL

Created By GEO-LOGICK System

50 0 50 100 150m
SCALE 1 : 2,500

Figure 15f



UTM
NORTH

GEOLOGICAL BRANCH
ASSESSMENT REPORT

23,981

ANALYTICAL THRESHOLDS

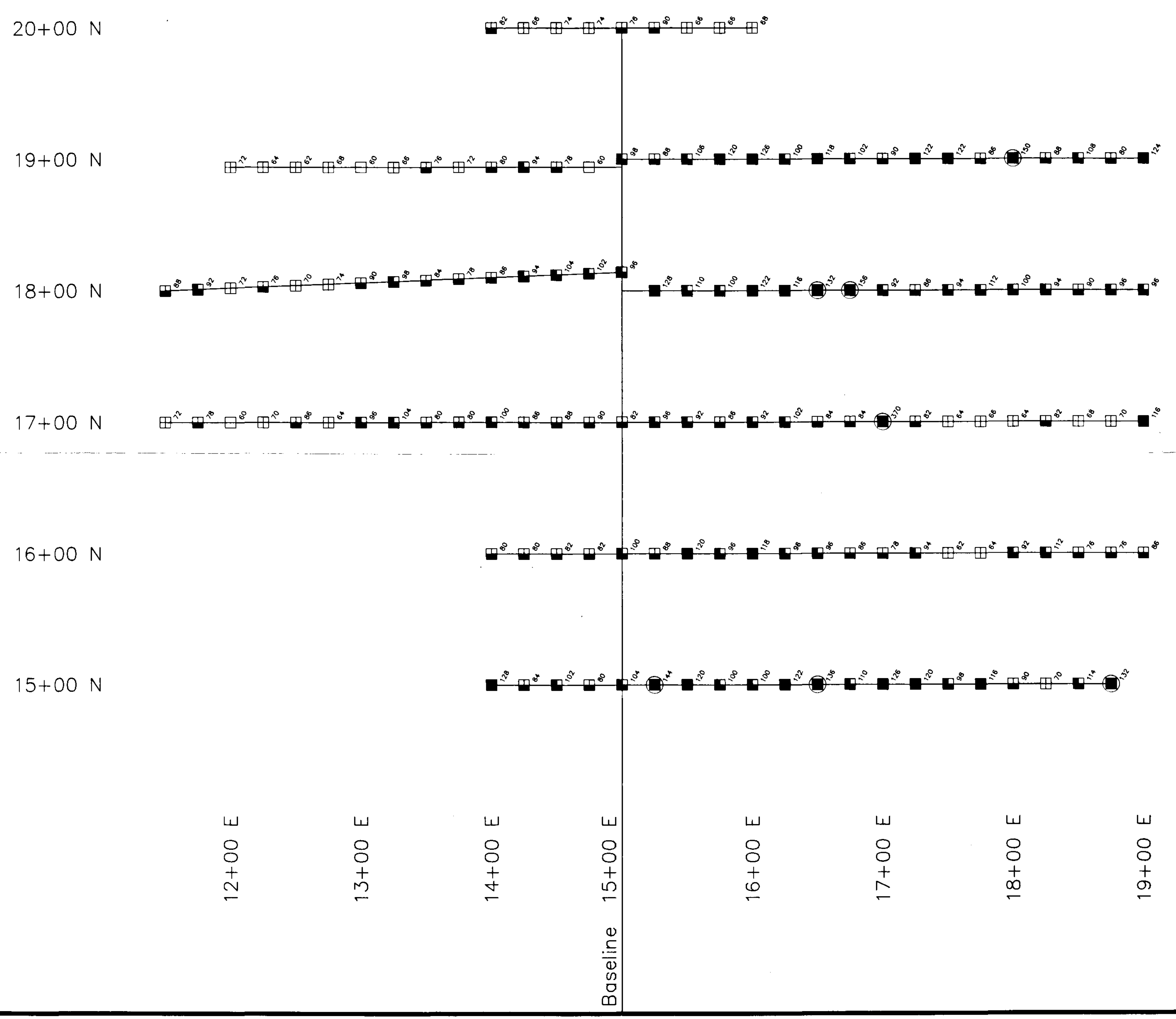
CU Values in PPM

Symbol	Range
◻	< 1 – 20
⊞	20 – 25
◪	25 – 45
◩	45 – 80
■	80 – 135
⦿	135 >>>>>>>

PROFESSIONAL GEOSCIENTIST
M. I. JONES
PROVINCE OF BRITISH COLUMBIA

Westmin Resources Limited

Work By: M.I.J. & C.R.	**BELL CREEK PROPERTY**
Date Drafted: 22/02/95	CU SOIL GEOCHEMISTRY
Drafted By: R.A. Ivany	ROCHE GRID (17)
Date Revised:	
Revised By:	Created By GEO-LOGICK System
N.T.S. Number: 90 H/2	SCALE 1 : 2,500 (50 0 50 100 150m)
File Name: ROCHSOIL	Figure 16a



UTM
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GEOLOGICAL BRANCH
ASSESSMENT REPORT

23,981

ANALYTICAL THRESHOLDS

ZN Values in PPM

⊡	< 1 – 60
⊞	60 – 75
▄	75 – 90
▙	90 – 115
■	115 – 130
●	130 >>>>>>>

PROFESSIONAL GEOSCIENTIST M. T. JONES BRITISH COLUMBIA

Westmin Resources Limited

Work By: M.I.J. & C.R.

Date Drafted: 22/02/95

Drafted By: R.A. Ivany

Date Revised:

Revised By:

N.T.S. Number: 90 H/2

File Name: ROCHSOIL

BELL CREEK PROPERTY
ZN SOIL GEOCHEMISTRY
ROCHE GRID

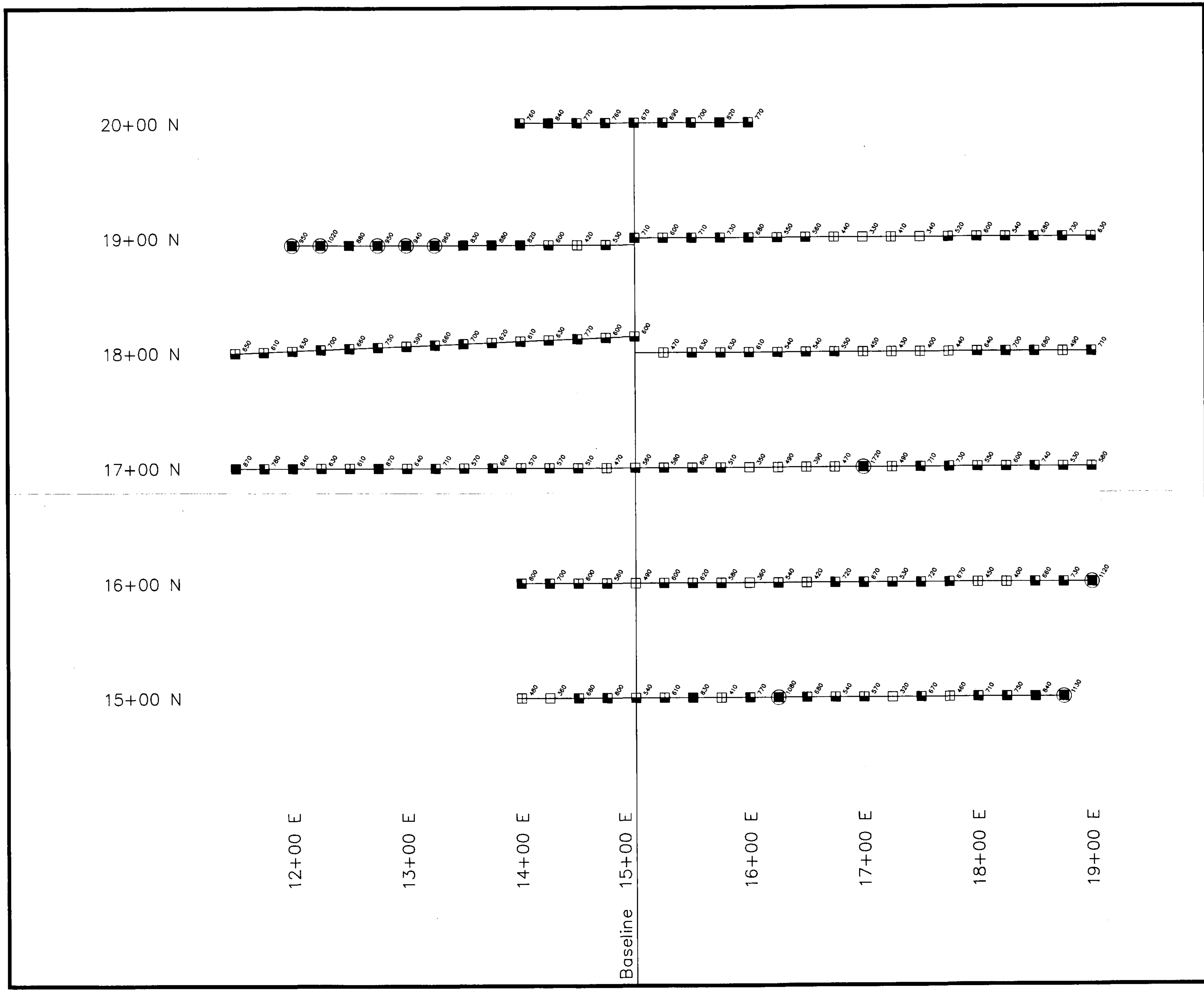
(18)

Created By GEO-LOGICK System

50 0 50 100 150m

SCALE 1 : 2,500

Figure 16b



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GEOLOGICAL BRANCH
ASSESSMENT REPORT

23,981

ANALYTICAL THRESHOLDS

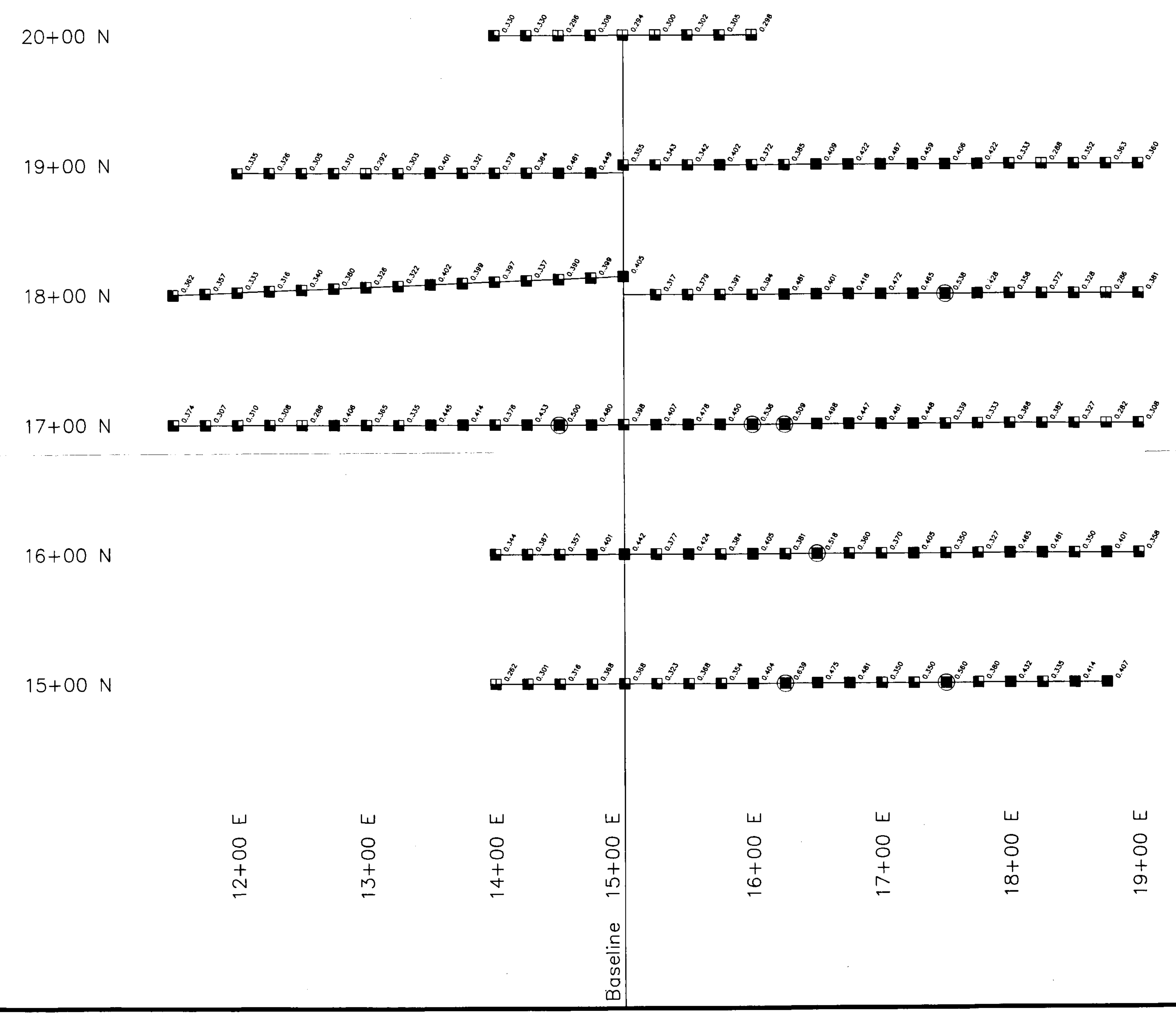
BA Values in PPM

□	< 1 – 375
⊞	375 – 500
◩	500 – 650
◪	650 – 800
■	800 – 900
⊙	900 >>>>>>>

PROFESSIONAL M. I. JONES BRITISH COLUMBIA GEOSCIENTIST

Westmin Resources Limited

Work By: M.I.J. & C.R.	**BELL CREEK PROPERTY** BA SOIL GEOCHEMISTRY ROCHE GRID (19)
Date Drafted: 22/02/95	
Drafted By: R.A. Ivany	
Date Revised	
Revised By	Created By GEO-LOGICK System
N.T.S. Number: 90 H/2	Scale 50 0 50 100 150m — SCALE 1 : 2,500
File Name: ROCHSOIL	Figure 16c



UTM NORTH

GEOLOGICAL BRANCH ASSESSMENT REPORT

23,981

ANALYTICAL THRESHOLDS

Alteration Index Values

- 0.000 – 0.100
- 0.100 – 0.200
- 0.200 – 0.300
- 0.300 – 0.400
- 0.400 – 0.500
- 0.500 >>>>>>>

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Work By	BELL CREEK PROPERTY
M.I.J. & C.R.	ALTERATION INDEX
Date Drafted: 22/02/95	ROCHE GRID
Drafted By: R.A. Ivany	
Date Revised	
Revised By	Created By GEO-LOGICK System
N.T.S. Number: 90 H/2	SCALE 1 : 2,500
File Name: ROCHSOIL	Figure 16d

(20)