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VANCOUVER, B.C.

**1996 ASSESSMENT REPORT**

**DRAGON PROPERTY**

**DIAMOND DRILLING**

ALBERNI AND NANAIMO MINING DIVISIONS  
NTS MAP AREAS 92E/16E, 92L/1E  
LATITUDE 49° 55'00"N, LONGITUDE 126° 20'00"W

CLAIM OWNER  
DOROMIN RESOURCES LIMITED

OPERATOR  
WESTMIN RESOURCES LIMITED

REPORT BY  
MURRAY I. JONES, M.Sc., P.GEO.  
WESTMIN RESOURCES LIMITED

FEBRUARY, 1997

GEOLOGICAL SURVEY BRANCH  
ASSESSMENT REPORT

24,895

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## 1.0 SUMMARY

The Dragon Property is located about 80 kilometres west of Campbell River, B.C., 20 kilometres northwest of Gold River, B.C., and approximately 65 kilometres northwest of Westmin Resources Limited's Myra Falls Mine. The property was originally staked to cover the occurrence of massive sulphides on the north side of Leighton Peak. The work detailed in this report consists of four diamond drill holes for a total of 1303.8 metres.

Two stratigraphic holes were drilled on the Dragon Property to test for Lower Sicker Group rocks, which are known to host massive sulphide deposits at the Myra Falls Mine. Both holes cut thick sections of felsic volcanic rocks which showed very little variability downhole. No significant mineralization was detected in either hole. Neither hole accomplished the goal of cutting through the base of the felsic section of the Sicker Group in this area.

Two holes were drilled to test geochemical and geophysical anomalies in the Norgate Creek Alteration Zone. Both holes cut strongly sericitized and pyritized felsic lapilli tuffs above a contact with intermediate to mafic flows. Minor disseminated sphalerite and galena were found in association with more intense pyrite mineralization and quartz stockwork zones. The best assay results included 0.19% Zn, 370 ppm Pb, and 120 ppb Au over 1.25 metres in drill hole DR96-05 and 0.5% Zn, 120 ppm Pb and 30 ppb Au over 1.00 metres in drill hole DR96-06. The strength of the mineralization in these holes is sufficient to explain the surface soil and rock geochemical anomalies from previous surveys. The electro-magnetic conductor targeted in hole DR96-06 was not found at the indicated position and there is no good explanation for this geophysical anomaly. The mineralized zones tested in this drill program do not appear to be related to a mineralizing system which might produce a volcanogenic massive sulphide deposit.

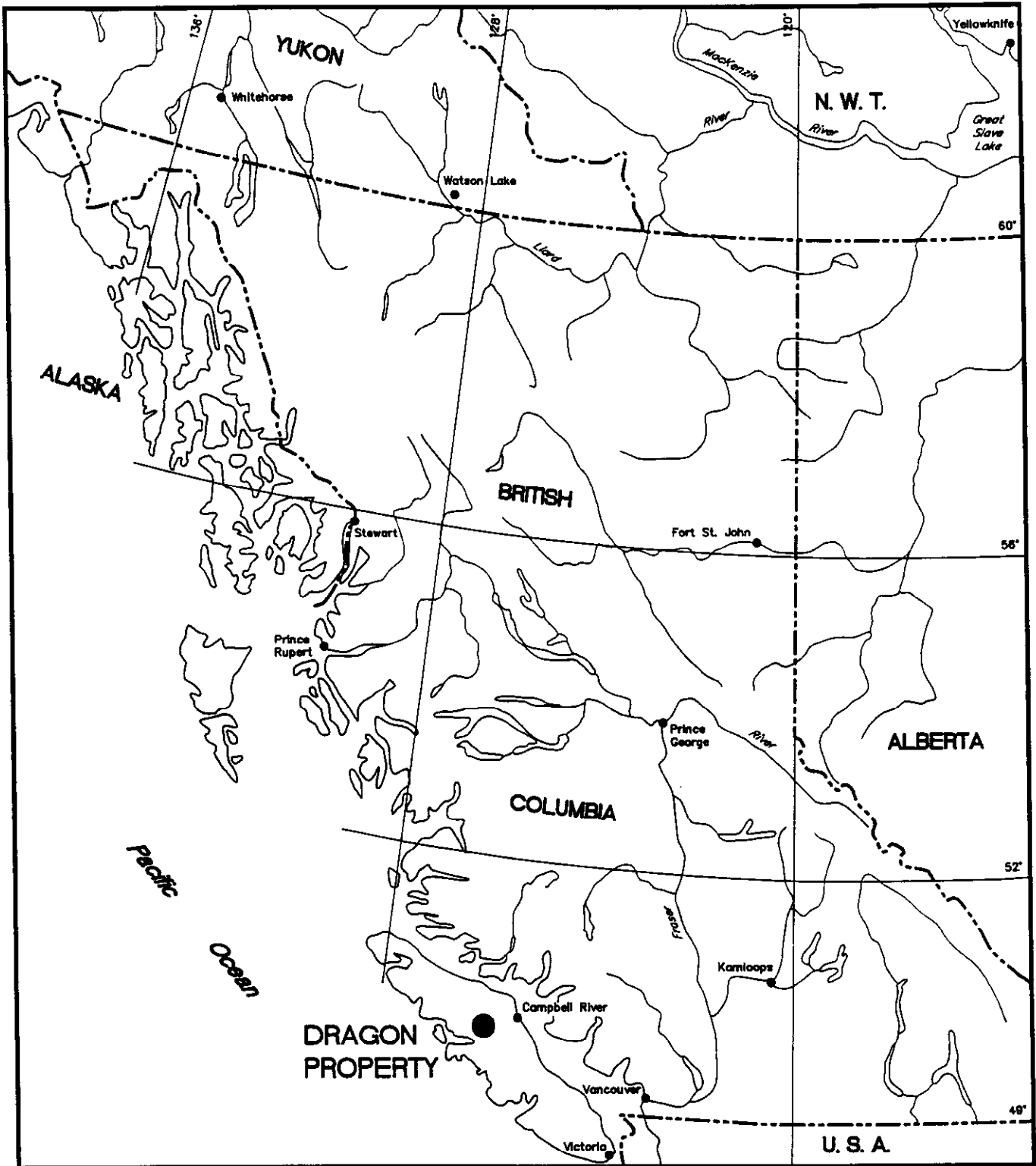
Other targets exist on the Dragon Property which should be followed up with more drilling. As well, the potential for deep mineralization related to structures at the base of the felsic volcanic section of the Sicker Group rocks has not been tested. New information from the 1996 drilling suggests that there may be a graben-style trough located beneath the Norgate Creek valley.

## 2.0 INTRODUCTION


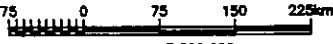

### 2.1 Geography, Physiography and Access

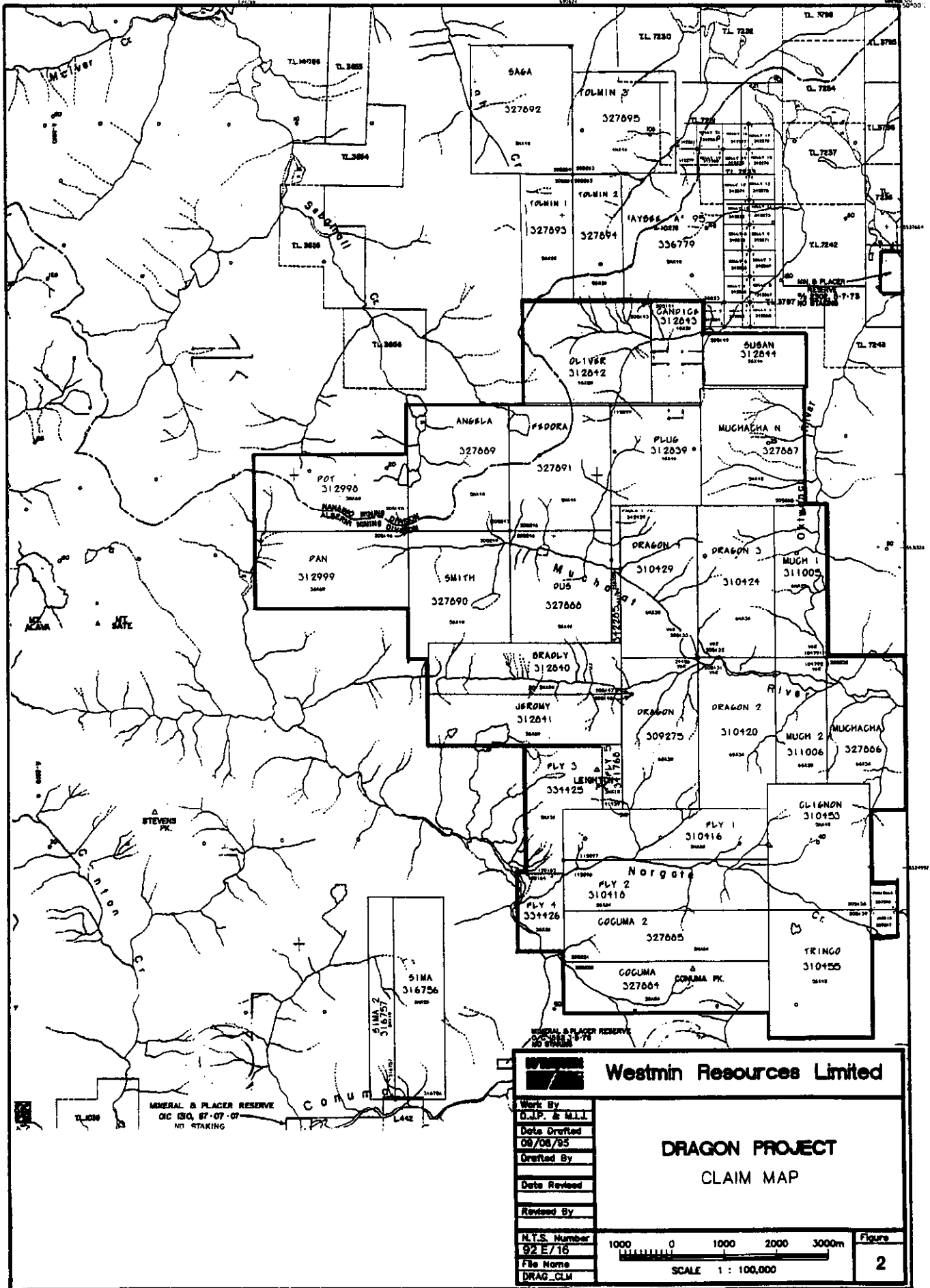
The Dragon property is located about 80 kilometres west of Campbell River, B.C. (Figure 1). The mineral claims are in the Nanaimo and Alberni mining divisions, within NTS map-area 92E/16E. They occupy a rectangular area centred near latitude 49° 55'00"N, longitude 126° 20'00"W. Access to the property is by gravel logging roads or by helicopter chartered from Gold River.

The Dragon property is between approximately 100 m and 1,475 m (330 ft and 4,840 ft) above sea level. The area is characterized by steep slopes and numerous cliffs. The property is covered



**DRAGON  
PROPERTY**

 <b>Westmin Resources Limited</b>	
Work By	<b>DRAGON PROJECT LOCATION MAP</b>
D.L.P. & M.L.L.	
Date Drafted	
25.07.95	
Drafted By	
R.A. Ivany	 <b>SCALE 1 : 7,500,000</b>
Date Revised	
Revised By	 <b>1</b>
N.T.S. Number	
File Name	
DRAG_LOC	



MINERAL & PLACER RESERVE  
 C.C. 87-07-07  
 NO STAKING

<b>Westmin Resources Limited</b>	
Work By D.J.P. & M.L.I.	<b>DRAGON PROJECT CLAIM MAP</b>
Date Drafted 08/08/93	
Drafted By	
Date Revised	
Revised By	
N.T.S. Number 92 E/16	 SCALE 1 : 100,000
File Name DRAG_CLM	
Figure <b>2</b>	

by mature cedar, hemlock, fir and spruce forest below the treeline at approximately 1,100 m (3,500 ft) a.s.l.. Much of the property has recently been logged and is now open clearcut to thick second growth forest. The area contains numerous streams and a few small lakes.

The region has wet weather conditions. Field work can be performed at lower elevations during most of the year, but the higher areas are snow-covered from November until June.

## 2.2 Property Description

The Dragon property consists of 31 staked mineral claims totalling 464 units. The claims are shown on Figure 2 and are tabulated below. The expiry dates shown are those in effect not including the current work being applied as assessment.

The claims are owned by Doromin Resources Limited of Vancouver. The current exploration program was operated by Westmin Resources Limited, holder of an option to acquire an interest in the property. Westmin relinquished its option on this property in the late fall of 1996.

<u>Name</u>	<u>Mineral Tenure No.</u>	<u>Expiry Date</u>	<u>No. Units</u>
ANGELA	327889	June 25, 1999	20
BRADLY	312840	August 25, 2000	16
CANDICE	312843	August 26, 1999	8
CLIGNON	310453	June 12, 2000	20
COCUMA	327884	June 25, 2000	16
COCUMA 2	327885	June 25, 2000	16
DRAGON	309275	May 5, 2000	18
DRAGON 2	310420	June 19, 1999	18
DRAGON 3	310424	June 19, 1999	18
DRAGON 4	310429	June 20, 1999	18
DUS	327888	June 25, 2000	20
FEDORA	327891	June 25, 1999	20
FLY 1	310416	June 14, 2000	16
FLY 2	310418	June 14, 2000	16
FLY 3	334425	March 15, 2000	15
FLY 4	334426	March 15, 2000	6
FLY 5	341768	October 23, 1999	3
JEROMY	312841	August 25, 2000	16
MUCH 1	311005	June 25, 2000	12
MUCH 2	311006	June 24, 1999	12
MUCHACHA	327886	June 26, 2000	18
MUCHACHA N	327887	July 8, 2000	20
OLIVER	312842	August 26, 1998	20

PAN	312999	August 25, 2000	18
POT	312998	August 25, 2000	18
PLUG	312839	August 25, 1999	16
SMITH	327890	June 25, 2000	20
SUSAN	312844	August 26, 1998	8
TRINCO	310455	June 12, 2000	20
DANIELLA	337548	June 24, 1998	1
JACKIE	337547	June 24, 1998	<u>1</u>
			464 units

### 2.3 Exploration History

Little exploration work was performed within the Dragon Property area prior to 1992. The DRAGON, DRAGON 2, DRAGON 3 and DRAGON 4 mineral claims were owned by E. Specogna of Specogna Minerals Inc. at that time. Massive sulphide float discovered south of the Muchalat River by Mr. Specogna was named the Dragon Showing.

Noranda Exploration Company, Limited optioned the Dragon claims in 1992. They conducted a multi-parameter airborne geophysical survey over the property area (Robertson, 1993) followed by staking numerous additional mineral claims in the area of interest. Noranda did detailed mapping, geochemical rock and soil sampling and prospecting in late 1992 and in 1993. Two semi-massive sulphide occurrences, the Falls Showing and the North Showing, were discovered (Kemp and Gill, 1993) as well as areas of strong alteration (Gray, 1994). The stratigraphy down-dip and downslope of the Falls Showing was tested by two diamond drill holes which failed to intersect significant mineralization.

In the spring of 1995 Westmin Resources Limited completed geological mapping, linecutting, soil sampling, litho-geochemical sampling, and moss-mat sampling, covering most of the property as well as following up in more detail the alteration and mineralization described by Gray (1994) in the Norgate Creek area (Jones and Pawliuk, 1995). A 3 hole, 722 metre diamond drilling program was done in the Norgate Creek area in the fall (Jones, 1996a). The drilling did not encounter significant base metal mineralization, the best result being 0.19 % Zn, 452 Cu, 35 Au over 1.49 metres. Additional mapping and rock and silt sampling was done in the Norgate-Muchalat area and the Angela Claim area in the spring of 1996 (Jones, 1996b). The mapping and sampling located two new areas of mineralization (Figure 3): on the ridge between Norgate Creek and the Falls and North Showings (values of up to 1.92% Cu and 2.8 g/t Au), and south of Norgate Creek, 3 kilometres east of the Norgate Creek alteration zone (values of up to 1.25% Cu, 0.16% Zn, and 860 ppb Au). As well, a downhole electro-magnetic survey was conducted in two of the holes drilled in 1995. This survey detected a weak off-hole conductor north of drill hole DR95-01.

### 2.4 Summary of 1996 Drill Program

In the period between October 8 and November 21, 1996 a four hole diamond drilling program was completed on the Dragon Property. The holes were located in the south part of the property,



in the Norgate Creek valley. Two holes were drilled to test stratigraphy to depth below the valley. The other two holes were drilled on specific geochemical and geophysical targets. A total of 1303.8 metres of thin wall BQ core was drilled in the four holes. Two hundred ten (210) core samples were split and sent to Chemex labs in North Vancouver, B.C. for multi-element and Au analysis. As well, 95 samples of core were taken for whole rock analysis in a systematic manner downhole in all holes. The core was logged at a rented facility in Gold River and has since been stored at Westmin Resources Limited's Myra Falls Mine.

A minor amount of rock sampling was done on surface, along the trace of DR96-05, to provide additional testing of the surface mineralization which was targeted in that hole. Three rock samples were submitted for multi-element plus Au analysis and one sample was submitted for whole rock analysis.

### **3.0 GEOLOGY**

#### **3.1 Regional Geology**

The Dragon property is underlain by Palaeozoic Sicker Group sedimentary and volcanic rocks, and by Triassic Karmutsen Formation basalt and gabbro of the Vancouver Group (Muller, 1976).

These rocks have been intruded by the Jurassic plutonic Island Intrusions (Figure 3). The stratified rocks generally strike northerly and dip at moderate to shallow angles to the west or north. Supracrustal rocks in the area are locally characterized by greenschist to amphibolite facies mineral assemblages although generally this is overprinted by hornfels assemblages. Bedrock is covered by thick till and unconsolidated glacio-alluvial deposits in the lower parts of the valleys.

Sicker Group rocks host the volcanogenic massive sulphide ore bodies being mined by Westmin Resources Limited at their Myra Falls Operation. The mine area is approximately 65 kilometres southeast of the Dragon property. The Sicker Group rocks hosting the zinc-copper deposits at Myra Falls have been described in detail by Walker (1985) and by Juras (1987).

#### **3.2 Property Geology**

The overall geology of the Dragon property is presented in Jones and Pawliuk (1995). The program outlined in this report focuses on the area between the Muchalat River valley to the north and the Norgate Creek valley to the south (Figure 3). A detailed description of the geology in this area is presented in Jones (1996b).

Work in 1996 further defined a large block of Sicker Group stratigraphy primarily exposed between Muchalat River and Norgate Creek (Figures 4 and 5). This block is a partially structurally delineated pendant bounded by Island Intrusion diorite to granite bodies. The pendant is made up mostly of Sicker Group felsic and mafic-intermediate volcanic rocks, capped by a relatively narrow limestone-argillite sequence similar to the Buttle Lake Formation (Juras, 1994). A narrow, limy argillite-felsic tuff section occurs in the upper part of the volcanic sequence. This

horizon has numerous mineralized occurrences associated with it, including massive sulphide lenses at the Falls and North Showings.

Detailed mapping and whole rock geochemical sampling has allowed refinement of the stratigraphy and correlation of most rock exposures in the area as part of Upper Sicker Group. The outcrops in the Norgate-Muchalat ridge area contain a high proportion of felsic volcanic rocks. This may be in part due to the flat lying nature of the units which has resulted in a disproportionate exposure of rhyolite flows and tuffs of the upper section of the Sicker Group. Mapping along the Norgate Creek valley has shown that felsic volcanic rocks are present in the valley bottom at the eastern boundary of the property. In this area, the volcano-sedimentary rocks of the Sicker Group are pinched between bodies of the Island Intrusions. The presence of limestone in the section near the eastern boundary of the property indicates that the felsic volcanic rocks in the valley bottom are correlative to Upper Sicker Group rocks.

In general, the felsic volcanic rocks are quite massive and homogeneous in appearance. A band of flow-banded and spherulitic rhyolites with local brecciation crosses the ridge just east of Leighton Peak, immediately below the Buttle Lake limestone. Further east there are wide-spread lapilli and agglomerate tuff units. Quartz and feldspar phenocrysts are very common, comprising from less than 1% to greater than 20 % of the rock. Thermal metamorphism has recrystallized much of the pendant's rocks making field identification of rocks commonly difficult. Biotite is ubiquitous in the groundmass of the volcanic rocks. Cordierite alteration is common in intermediate to mafic rocks throughout the pendant, but is particularly prominent in the Norgate Creek alteration zone.

Dykes are common in the Norgate-Muchalat area, forming swarms locally. These dykes are late, occupying steeply dipping fractures cross-cutting the layering in the Sicker Group rocks. The dykes are usually narrow, on the order of 0.1 to 5 metres in width. There are several types of dyke mapped. The most common dykes are feldspar porphyritic, intermediate dykes. These commonly have weak to moderate epidote-chlorite alteration. Some examples contain mafic phenocrysts. Other volumetrically important dykes include quartz-feldspar porphyry and granite dykes. Thin mafic dykes(?) can be found locally which have an ultra-basic or ultra-mafic character.

Mapping indicates that there is a roughly domal structural feature within the block of Sicker Group rocks. The Buttle Lake limestone dips away from the ridge area east of Leighton Peak to the north, west and south. In the east, the limestone is disrupted by intrusion of the Island Intrusion granodiorite but generally dips to the east. This domal feature is likely related to the deformation of the Sicker rocks by impingement from the east, south and west by the Island Intrusions.

Many of the creek and river valleys at Dragon property are formed by steeply dipping faults. These faults trend northeasterly to easterly. One of the strongest of these faults is along Norgate Creek, trending 095°. This fault is sub-parallel to the Muchalat River valley. Many faults are relatively late, and have commonly displaced late intrusive dykes at Dragon property.

### **3.3 Alteration and Mineralization**

Showings have now been found in three large alteration zones near Leighton Peak in the west part of the property; the Dragon Zone on the north side of the ridge east of Leighton Peak, the Norgate Creek Zone on the south side of the ridge, and an elongate zone on the ridge top. The alteration zones can be identified by strong pyritization, silicification and, locally, sericitization of the volcanic rocks. Geochemically, the alteration zones are characterized by significant Na and Ca depletion and local K enrichment. The showings are generally characterized by quartz stringers with sphalerite and galena mineralization in silicified, altered volcanic rocks. However, two massive sulphide occurrences have also been located along this horizon at the Falls and North Showings within the Dragon Zone.

An area of significant mineralization is located in the rocks south of Norgate Creek, 3 kilometres east of the 1995 drilling (Figure 3). Although mostly observed in float samples, mineralization is related to stratigraphy similar to the well mineralized horizon just east of Leighton Peak. The mineralization is variable in style. This includes strongly pyritized felsic volcanic rock with stringers of quartz-pyrite-sphalerite-galena, strongly silicified felsic volcanic(?) rock with quartz stockwork veinlets and disseminated to poddy chalcopryrite, and semi-massive pyrite-chalcopryrite-sphalerite(?) replacement(?) in bedded limy tuffs. Investigation during the 1996 drill program has shown that the mineralized stratigraphy is cut off immediately back of the cliff face in this area by granite.

## **4.0 DIAMOND DRILLING RESULTS**

### **4.1 Geology and Whole Rock Geochemistry**

The four drill holes completed in this program are all located in the Norgate Creek valley. The holes were numbered by year and continued the sequence after the three holes drilled in 1995. The first hole, DR96-04, was drilled very near the eastern boundary of the property near Norgate Creek. The next two holes, DR96-05 and DR96-06, were both drilled in the area of the 1995 drilling, the Norgate Creek Alteration Zone area. The final hole was drilled just north of Norgate Creek, east of the large gabbro body situated east of the Norgate Creek Alteration Zone. Complete logs with collar locations, hole azimuth and core sample data can be found in Appendix B.

Whole rock samples were analysed for major oxides and several trace elements by Chemex Labs using X-ray Fluorescence on discs of powdered rock. This analytical method is preferred for determination of some of the trace elements as it leads to less dilution of the sample material and consequently lower detection limits. The whole rock samples were also systematically analysed for a suite of metals. The geochemical data is found in Appendix C.

**DR96-04 (Figure 6)**

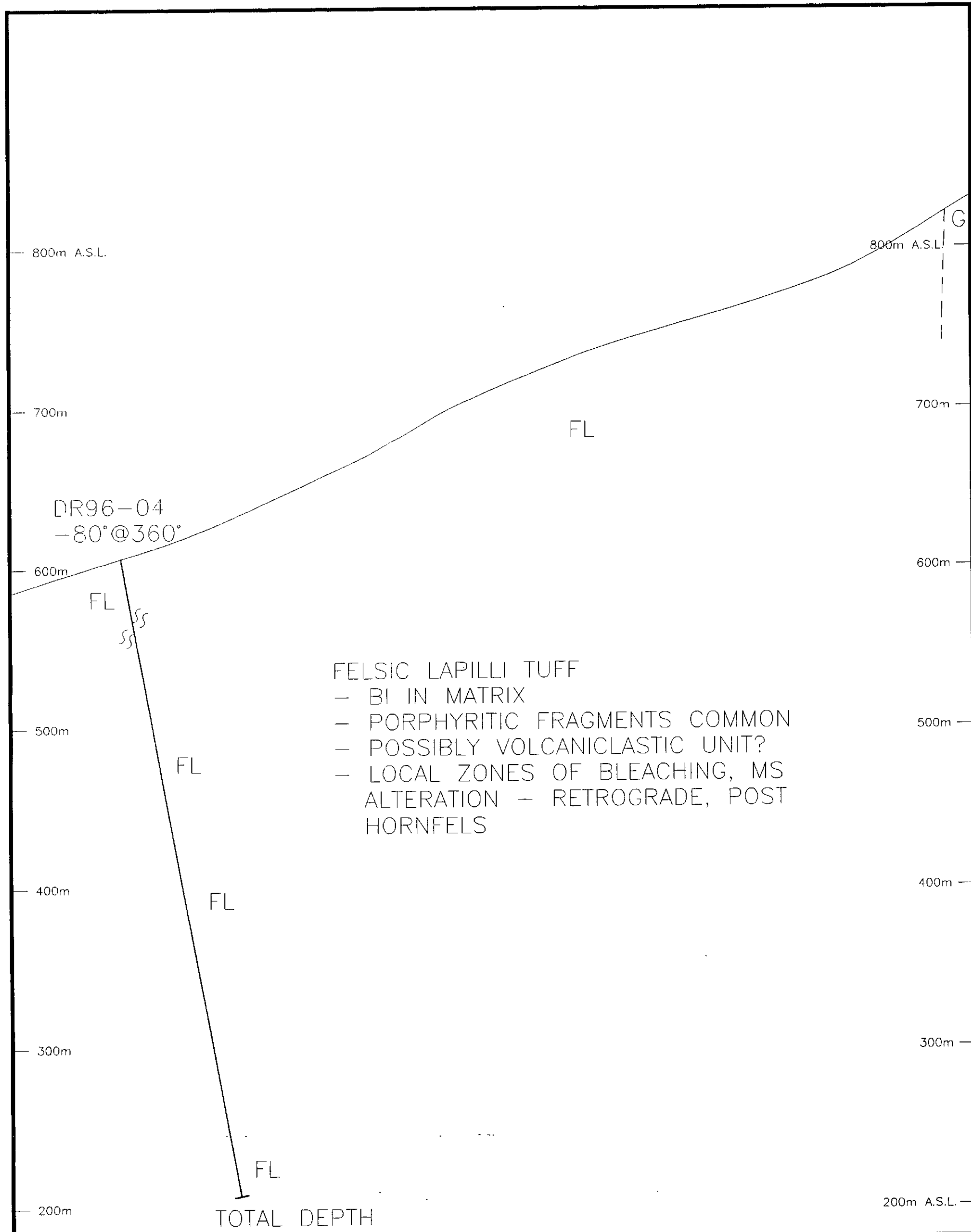
This hole was drilled near the bottom of the Norgate Creek valley, in an area where it was thought that deeper parts of the Sicker Group section might be reached. The hole is located at the base of a long mountain slope where outcrop is dominated by massive felsic lapilli tuff for the first several hundred metres vertically. The hole was collared on outcrop of this unit and encountered felsic lapilli tuff to the bottom of the hole at 405.08 metres. The tuff showed only minor textural variations throughout the hole, most visual changes relating to late alteration associated with small shears and veinlets. The tuff is characterized by moderate to strong biotite and sericite in the groundmass with trace to 1% pyrite as disseminations. Quartz eyes are also present throughout the hole, both in clasts and in the groundmass. Clasts are generally felsic in composition, light grey to creamy colour, and generally smallish, from 2 to 20 millimetres in diameter. Locally, clast size ranges up to 20 centimetres. Biotite content seems to increase slightly toward the bottom of the hole in conjunction with a weak porphyritic texture. Chloritic mafic dykes and feldspar porphyritic dykes cut the hole in a few locations.

Whole rock geochemistry confirms the felsic nature of the rocks in DR96-04. There is only minor variability in the overall chemistry downhole. Zirconium is elevated toward the bottom of the hole, perhaps reflecting the change in texture (to porphyritic groundmass) and biotite content. Most of the changes suggested by the geochemical results do not have visual manifestation in the core. It is assumed that these differences are masked by metamorphic effects.

**DR96-05 (Figure 7)**

DR96-05 was drilled to cut a contact between felsic lapilli tuffs and intermediate to mafic tuffs and flows. This contact has mineralization associated with it to the north along strike in the Norgate Creek Alteration Zone area. As well, surface soil and rock sampling has detected anomalous values in this section for Au, Pb, Cu, Zn, and Ag. The hole was drilled at -50° to cut as much of the section as possible. The mineralization on surface is associated with strongly sericitized and pyritized volcanic rocks with strong quartz veining and silicification.

The drill hole collared in a very heterogeneous section of rhyolite flow and breccia rock. This rock is characterized by biotite in the groundmass and bleached alteration zones around veinlets. At about 50 metres downhole the rock type changes to a felsic lapilli tuff. The outstanding characteristic of this tuff unit is that it is more or less consistently altered throughout its length. The alteration consists largely of pervasive pyrite and sericite. Two feldspar porphyritic dykes, one glomeroporphyritic, cut this altered section of felsic lapilli tuff. The alteration intensifies around a fault at about 125 metres depth and continues to another fault at about 175 metres. This section contains 2-5 % pyrite as disseminations and in veinlets and strong sericite alteration. Quartz veining is common with an intense stockwork zone from 121.35 to 128.75 metres. Trace sphalerite and galena is found in quartz veinlets and in patches in silicified zones associated stockwork veining. Whole rock chemistry indicates that this section has strong CaO and Na<sub>2</sub>O depletion along with elevated K<sub>2</sub>O.



DR96-04  
-80°@360°

FELSIC LAPILLI TUFF  
 - BI IN MATRIX  
 - PORPHYRITIC FRAGMENTS COMMON  
 - POSSIBLY VOLCANICLASTIC UNIT?  
 - LOCAL ZONES OF BLEACHING, MS  
 ALTERATION - RETROGRADE, POST  
 HORNFELS

TOTAL DEPTH  
405.08m



Westmin Resources Limited

Work By	M. Jones
Date Drafted	Feb. 11, 1997
Drafted By	J.M. Klein
Date Revised	
Revised By	
N.T.S. Number	92 E/16
File Name	DDH9604

DRAGON PROJECT  
 STRATIGRAPHIC HOLE  
 SECTION DR96-04  
 -80°@360°  
 SECTION LOOKING WEST

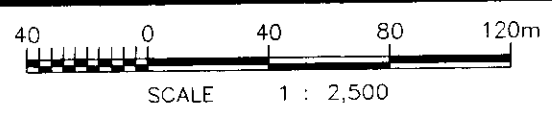
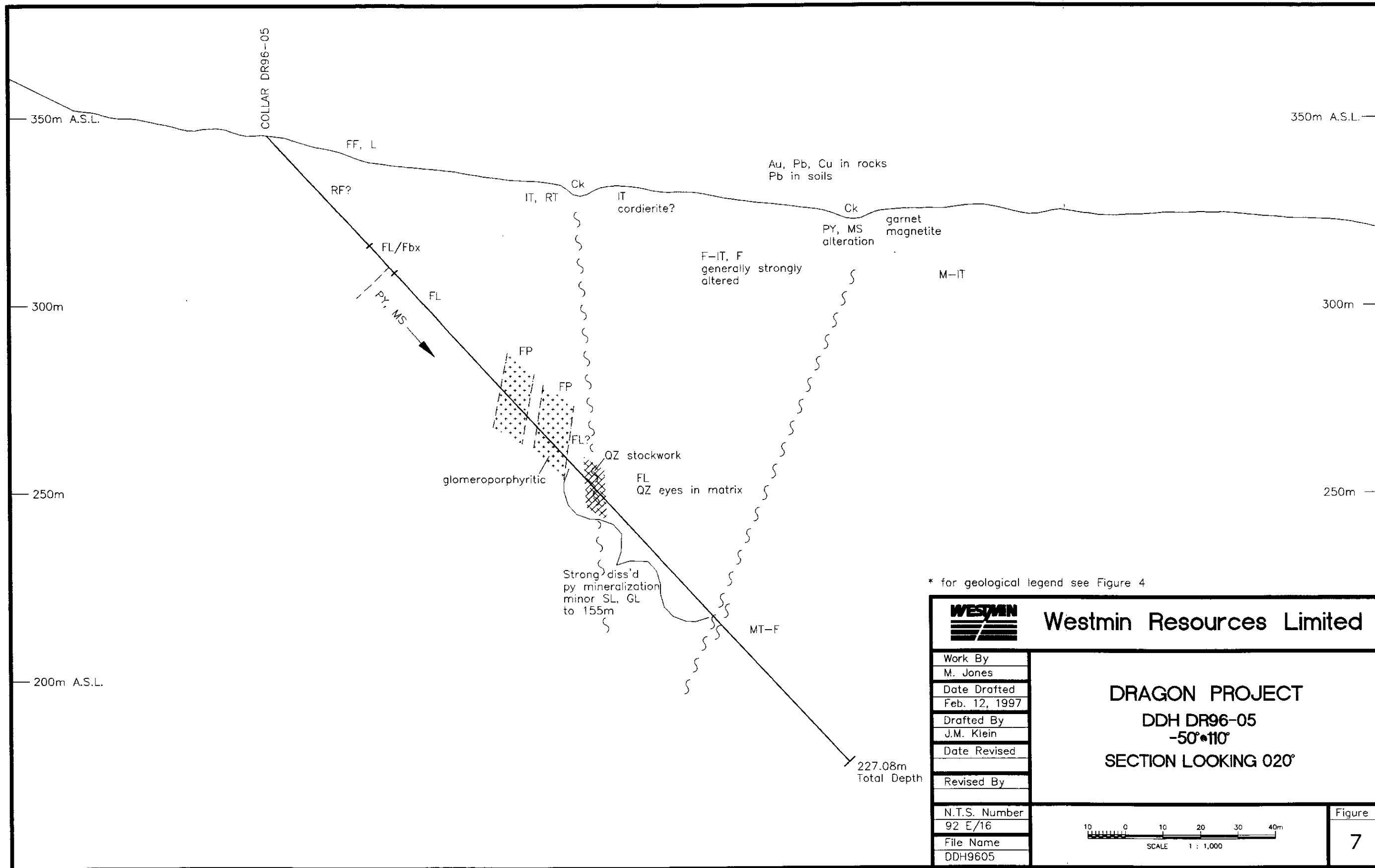

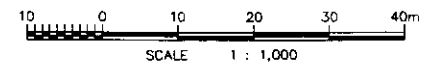


Figure  
**6**



\* for geological legend see Figure 4

 <b>Westmin Resources Limited</b>	
Work By M. Jones	<b>DRAGON PROJECT</b> <b>DDH DR96-05</b> <b>-50°•110°</b> <b>SECTION LOOKING 020°</b>
Date Drafted Feb. 12, 1997	
Drafted By J.M. Klein	
Date Revised	
Revised By	
N.T.S. Number 92 E/16	
File Name DDH9605	
Figure <b>7</b>	

Below the fault zone around 175 metres depth, the rock changes to relatively unaltered and unmineralized mafic to intermediate tuffs and flows. These rocks have high Fe, Ca, and Mg content with Zr content less than 100 ppm.

#### **DR96-06 (Figure 8)**

The target for DR96-06 was quite specific. The downhole E\_M geophysical survey which was completed in the spring on the 1995 drill holes (Jones, 1996b) detected a weak conductor located approximately 100 metres north of DR96-01 at a elevation of 250 metres (above sea level). The hole was designed to cut through the geophysical anomaly, at a point downdip from a Pb-Zn soil anomaly on surface. The conductor was detected at the contact between felsic tuffs and mafic to intermediate tuffs and flows, the same contact that was investigated in DR96-05.

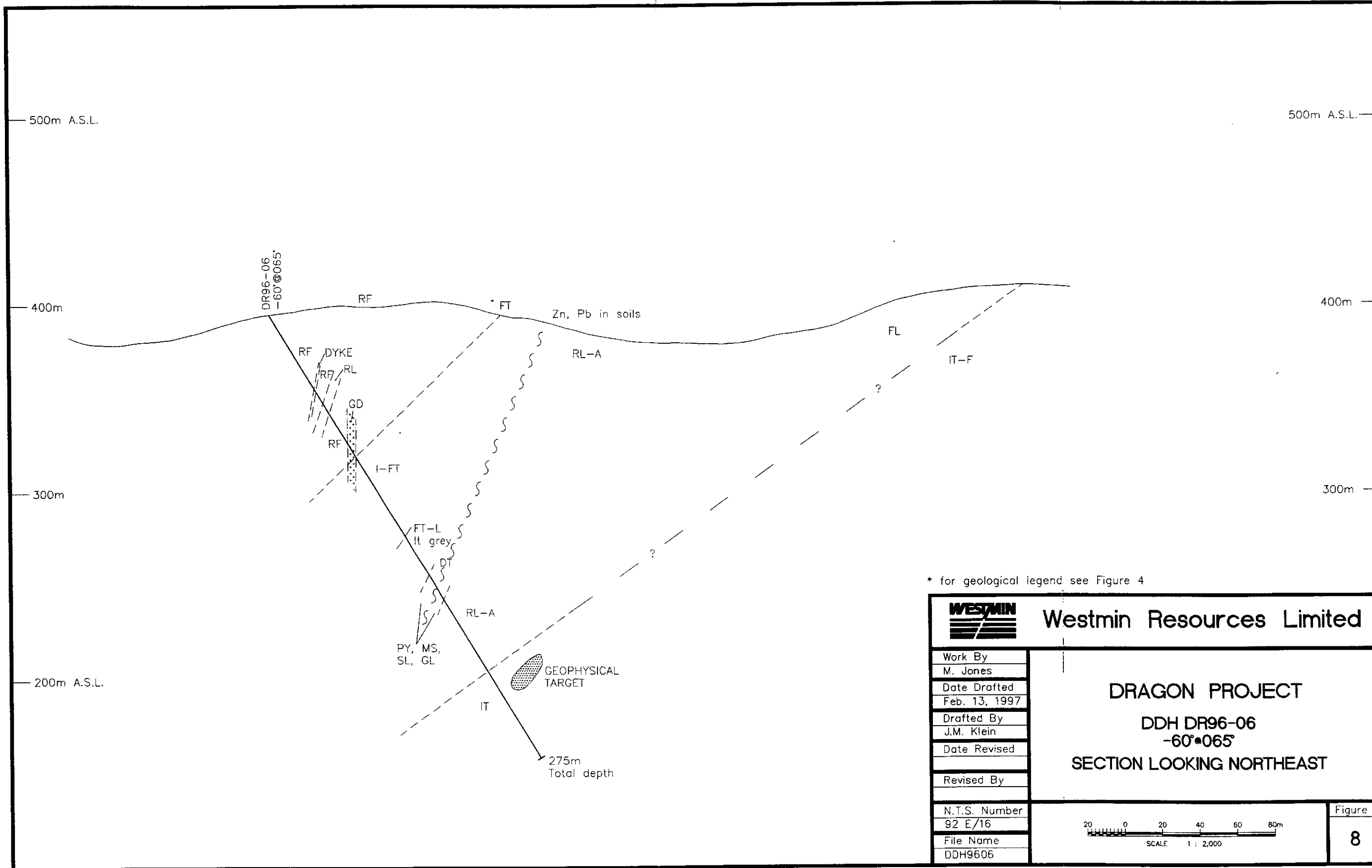
In order to pierce the conductor target it was necessary to step back into the section of highly evolved, high zirconium, rhyolite flows which were cut in the top of DR95-01 (Jones, 1996a). These rocks are characterized by flow banding and brecciated flows with interflow layers of strongly hornfelsed sediment(?) or intermediate tuff(?). Chemically, one of the most distinct features of these flows is the very high zirconium content, generally greater than 200 ppm and commonly greater than 400 ppm Zr.

Below the rhyolite flows, the hole intersected a section of biotite-chlorite rich intermediate tuffs, These rocks show well defined bedding locally. Zirconium content of these units is quite variable, ranging from 95 to 140 ppm Zr, possibly indicating a mixture of rock compositions from andesite to dacite. The lower contact of these tuffs is marked by a fault zone and the tuffs are strongly altered and mineralized as the hole approaches this fault. The alteration is characterized by strong sericite and pyrite with local zones of quartz stockwork. Sphalerite and galena are found disseminated in veinlets and silicified tuff within this zone.


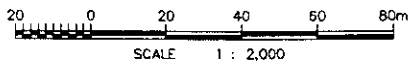
Below the fault the hole encountered a wide section of rhyolite lapilli tuff to agglomerate. As the name suggests, this unit is characterized by larger clasts, some up to 1 metre in diameter. The zirconium content of these rocks reflects the more felsic composition with values ranging from 170 to 200 ppm Zr. Pyrite and pyrrhotite are common in the matrix of this tuff with some clasts showing strong concentrations of these sulphides. Although no massive sulphide clasts were noted in the drill core, they have been found in this unit on surface (pyrite only).

The hole passed into intermediate tuffs below about 223 metres. The intermediate rocks are not particularly altered and only weakly mineralized with less than 0.5% disseminated pyrite and pyrrhotite in general. These rocks are locally magnetic. Minor leucocratic granite dykes cut the section, commonly sub-parallel to the core axis.

There was no evidence of the cause of the geophysical conductor at the target depth, at the contact between the rhyolite lapilli tuff and the intermediate tuffs. It is possible that the geophysical survey detected the mineralized fault zone which was intersected uphole and trends toward the surveyed hole (DR95-01).



\* for geological legend see Figure 4

 <b>Westmin Resources Limited</b>	
Work By M. Jones	<b>DRAGON PROJECT</b>  <b>DDH DR96-06</b> <b>-60°06'5"</b> <b>SECTION LOOKING NORTHEAST</b>
Date Drafted Feb. 13, 1997	
Drafted By J.M. Klein	
Date Revised	
Revised By	
N.T.S. Number 92 E/16	
File Name DDH9606	
Figure <b>8</b>	



### DR96-07 (Figure 9)

The final hole of the program was another stratigraphic hole drilled in an attempt to reach the base of the Sicker Group felsic volcanic rocks which are exposed on surface. The hole was spotted near the bottom of the Norgate Creek valley, again to take advantage of the topography to get as deep into the section of Sicker group as possible. The hole is located within a structural block with approximately 1 kilometre of felsic volcanic stratigraphy above it. It was drilled at  $-80^\circ$  dip to a depth of 395.48 metres. The hole encountered several near surface faults which then impeded progress for the entire depth of the hole. As a result the hole was stopped sooner than otherwise would have been done.

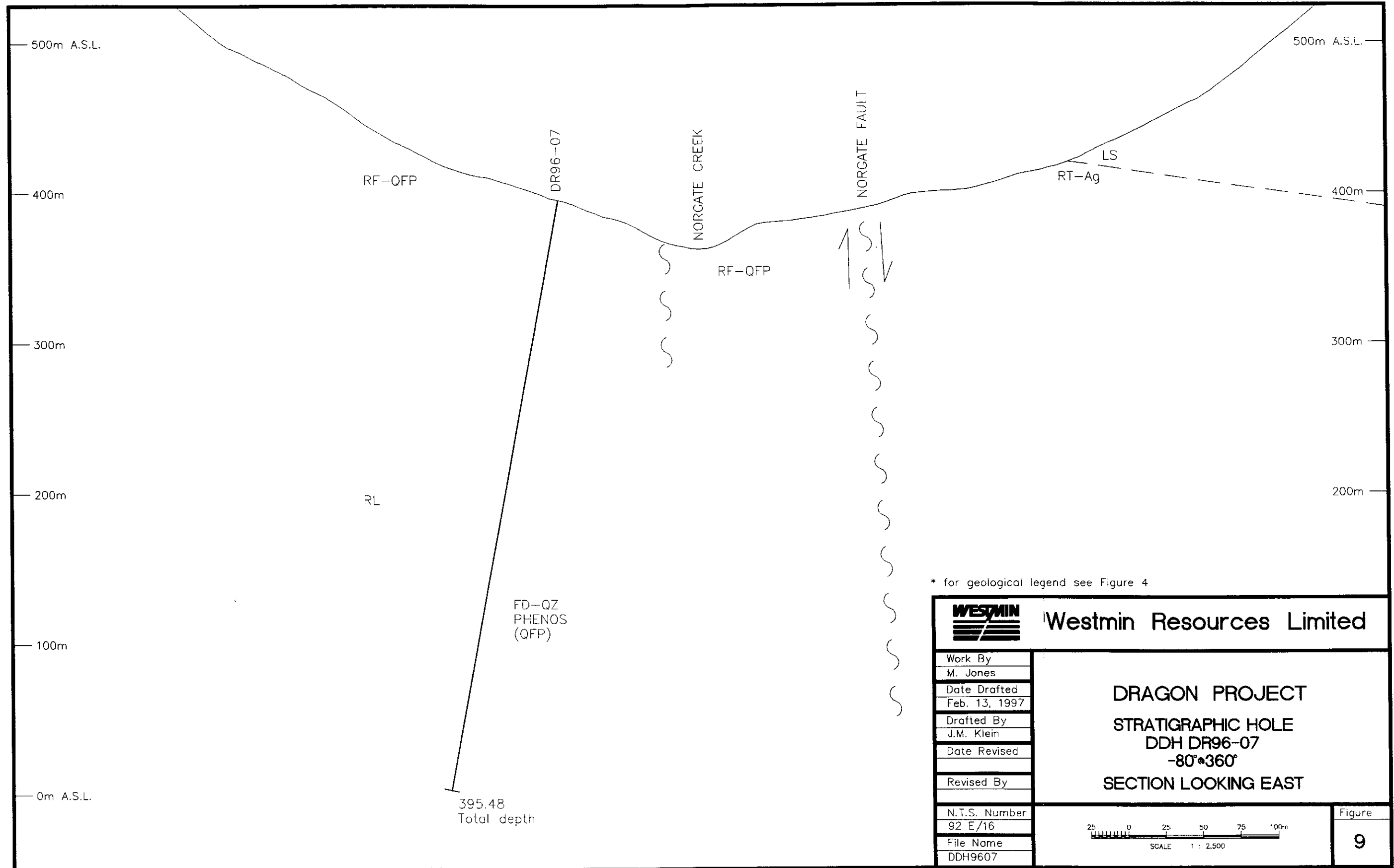
Similar to the first stratigraphic hole near the east boundary of the property, DR96-07 intersected essentially one rock type from the top to the bottom of the hole, felsic lapilli tuff with a strongly porphyritic matrix. Locally, a lack of observable clasts may indicate a feldspar-quartz porphyry intrusion. Feldspar and quartz phenocrysts are present throughout the hole ranging in concentration from a few percent to twenty five percent of the rock. Feldspar phenocrysts are more common than quartz, however, the quartz phenocrysts are commonly larger. The clasts are generally feldspar-quartz porphyritic to aphanitic rhyolite, with mafic (biotite-chlorite-rich) clasts in some minor sections. The matrix of the tuff is darkly coloured due to a strong biotite content. It is difficult to determine whether or not this is related to primary composition of the rock or due to local hornfelsing by a nearby gabbro intrusion. Chemically, the rocks are quite consistent downhole with, for example, zirconium contents normally within the range of 200 to 240 ppm.

Magnetite occurs in this hole, initially in the margins to small alteration zones, but then as a consistent component to the rock. Coincident with the appearance of magnetite there is a rise in iron, aluminum, and sodium. There is an empirical correlation between the presence of magnetite in the felsic lapilli tuff and the lack of significant or concentrated alteration zones. Where the magnetite is eliminated, chlorite and commonly epidote appear in the rock. The destruction of magnetite appears to be related to late retrograde alteration.

### 4.2 Rock Geochemistry

Rock samples were analysed for 24 elements plus gold at Chemex labs in North Vancouver, B.C. (Appendix C). A four acid digestion was used to ensure reliable total concentrations for all elements.

The most significant metal values were detected in the mineralized sections in drill holes DR96-05 and DR96-06. In DR96-05, Zn, Pb, Au, Mo, Ag and Cu were all elevated in the mineralized zone associated with quartz stockwork veining and strong pyritization. The best intervals from this section returned 0.14% Zn, 370 ppm Pb, and 25 ppb Au over 1.5 metres, and, 0.19% Zn, 820 ppm Pb, and 120 ppb Au over 1.25 metres. In hole DR96-06 the best section returned 0.5% Zn, 120 ppm Pb and 30 ppb Au over 1.00 metres. This mineralization was also associated with faulting and quartz veining and has a similar metal suite, with Mo, Ag, and Cu, to the mineralized zone in DR96-05.



The two stratigraphic holes did not encounter significant mineralization in either case. Several samples from DR96-07 had interesting copper values (up to 1875 ppm Cu) with no other associated metals. These values came from a narrow section where chalcopyrite was present in fractures and associated with heavy chlorite patches in altered tuffs.

## 5.0 CONCLUSIONS

The 1996 Fall Drilling Program had two main objectives. The first was to test for lower Myra Formation stratigraphy, looking for the base of the felsic volcanic section. This was done in an attempt to find a similar geological setting to the H-W horizon at the Myra Falls Mine which hosts a large proportion of the ore in that camp. The second objective was to test a contact between felsic and intermediate to mafic volcanic rocks in the area of the Norgate Creek Alteration Zone. This contact has been identified as having several showings along it and several Pb-Zn soil geochemical anomalies.

Two holes were drilled looking for lower Myra Formation rocks: DR96-04 and DR96-07. Neither of these holes were able to penetrate deep enough to pass through the felsic volcanic stratigraphy on the property. Both holes cut thick sections of felsic lapilli tuff (or volcanoclastic?) rocks which did not show much variability down hole. No significant mineralization was detected in either hole.

Although the stratigraphic holes did not detect lower Myra Formation stratigraphy, the fact that there is such a thick section of felsic volcanic rocks (approximately 1500 metres thick at DR96-07) on the north side of the Norgate Fault is important. An accumulation of felsic rock that thick suggests that holes DR96-04 and DR96-07 may be located in a trough or basin-type structure. The bottom of such a graben-like structure would be a likely place for sulphide accumulations and, in fact, the H-W Main Trend at the Myra Falls Mine is envisaged to be just such a structure. An interpretation of these rocks as a volcanoclastic, graben-fill deposit would fit this model.

Two holes were drilled in the Norgate Creek Alteration Zone: DR96-05 and DR96-06. Both of these holes cut strongly altered and pyritized felsic volcanic rocks above the contact with intermediate volcanic rocks. Minor disseminated sphalerite and galena is associated with the better pyrite mineralization and quartz stockwork zones. This style of mineralization, associated with faults and quartz stockwork veining, and the metal suite, Pb-Zn-Cu-Ag with Au, As, and Mo, suggests a different style of mineralization than representative of a volcanogenic massive sulphide system. The mineralization suggests a structurally controlled, vein type deposit related to the intrusive activity in the area. Pervasive sericitization, silicification and pyritization, especially of a relatively porous rock such as a felsic tuff, is consistent with this model. Biotite-cordierite alteration observed in the Norgate Creek Alteration Zone, and previously surmised to be metamorphosed quartz-sericite schist (Jones and Pawliuk, 1995), may be simply a product of thermal metamorphism of an aluminous intermediate volcanic rock.

The strength of the mineralization observed in the two holes in the Norgate Creek Alteration Zone, and also the holes drilled in this area in 1995, is sufficient to explain the soil and rock

geochemical anomalies in this area. The mineralization is related to a fault which cuts north-south through this area, and happens to be more or less coincident with the contact between felsic and mafic to intermediate volcanic rocks (Figure 4). It is less clear whether this fault-controlled mineralization is in any way related to re-mobilization of pre-existing volcanogenic massive sulphide mineralization.

It remains to be seen whether some of the other targets identified on the Dragon Property have more potential than the Norgate Creek Alteration Zone. However, there are no other alteration zones on surface which have a similar extent and intensity of alteration. Deep drilling is still a possibility, especially considering the new information which suggests that the Norgate Creek valley may be following an old graben structure.

## 6.0 RECOMMENDATIONS

With surface mapping of the Dragon Property complete, any further work should be directed towards the development of showings and/or systematic deep stratigraphic drilling to evaluate the potential for lower Myra Formation rocks on the property. Additional testing for massive sulphide mineralization in the vicinity of the Falls and North Showings is a possibility. However, there appears to be a real space problem in this area with the granodiorite impinging from the west, reducing the potential for a sizeable deposit. Showings located along the same horizon but on the Norgate-Muchalat ridge have similar space problems but to a much lesser extent. The Cu-Au Showing near the top of the ridge (Jones, 1996b) could be representative of feeder style mineralization and alteration. It would be relatively straight-forward to spot holes to test the stratigraphy in this area for massive sulphide mineralization. One or two holes would prove or eliminate the potential for a significantly sized massive sulphide body.

Only two stratigraphic holes were completed on the Dragon Property to date. This type of exploration requires a serious commitment of time and resources. However, results from the first two holes have already added an intriguing aspect to the property with respect to the possibility of a graben-style structure in the Norgate Creek valley. Deeper drilling in this area might answer the question about whether or not there is Lower Sicker Group rocks on the Dragon Property. If any alteration or mineralization is encountered in a deep hole it would be advisable to test the surrounding area for buried sulphide deposits with downhole geophysics, be it electro-magnetic or induced polarization surveys. It is likely that a larger, more powerful drill than the JKS-25A drill used for the 1996 program will be required to complete any deep holes to the desired depth.

## 7.0 REFERENCES

Gray, M.J., 1994. Geological and lithogeochemical report on the Specogna-Muchalat property, NTS: 92E/16, Alberni Mining Division; unpublished B.C.M.E.M.P.R. assessment report by Noranda Exploration Company, Limited (No Personal Liability).

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Muller, J.A., 1976. Nootka Sound Map Area, B.C.: Geological Survey of Canada, Open File 344.

Robertson, K.A., 1993. Combined airborne magnetic, electromagnetic, radiometric and VLF-EM report on the Muchalat property; unpublished B.C.M.E.M.P.R. assessment report by Noranda Exploration Company, Limited (No Personal Liability).

Walker, R.R., 1985. Westmin Resources' massive sulphide deposits, Vancouver Island; Geological Society of America Cordilleran Section Meeting, May 1985, Field Trip Guidebook, p. 1-1 to 1-13.

## 8.0 COST STATEMENT

### Dragon Property Fall Exploration Program Expenditures, Oct. 5 to Nov. 23, 1996

Diamond Drilling Contractor: Advanced Drilling Ltd.

1303.8 m BQ, plus mob-demob, add-ins, etc.....\$123,549

Pad-builders: Minconsult Ltd.

Four drill pads, plus expenses ..... \$ 13,714

Drill Support: G.R. Rainbow Services Ltd.

Crane and flat-bed truck service..... \$ 2,182

Helicopter: Vancouver Island Helicopters

Support for Drill Program..... \$ 25,141

Camp Expenses:

Groceries, accommodation ..... \$ 3,586

Materials and Supplies:

Drill pad lumber, sample bags, sample equipment, construction..... \$ 3,317

Equipment Rentals:

Two-way radios, 4 units, 2 mos. @ \$90/month ..... \$ 720

Computer, Vernon Computer Rentals, 3 mos @ \$272.85/mo ..... \$ 819

Assays/Geochemical Analyses: Chemex Labs Ltd.

Core Sample geochemistry, 210 samples at \$19.40/sample..... \$ 4,074

Whole Rock Geochemistry, 96 samples @ \$32.00/sample..... \$ 3,072

Rock geochemistry, 3 samples @ \$19.40/sample ..... \$ 58

Travel Costs:

Motel, ferry, air travel, meals..... \$ 1,705

## Vehicle Costs:

Gas, maintenance for vehicles .....	\$ 1,190
Vehicle rental (2), 98 days @ \$45/day .....	\$ 4,410

## Miscellaneous Expenses:

Delivery, courier, freight.....	\$ 132
Printing/reproductions, reports .....	\$ 56
Photocopying, telephone, secretarial .....	\$ 904

## Drafting:

In-house, 25.5 hrs @ \$35/hr, figures, sections.....	\$ 893
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## Salary Breakdown:

Pre-field: hiring, logistics, drill contract

Murray Jones, project geologist, 4 days @ \$328/day.....	\$ 1,312
Stan Seney, core splitter, 2 days @ \$173 .....	\$ 345

## Field Program (Oct 5 to Nov 23, 1996):

diamond drill supervision, core shack, core logging/sampling.

Murray Jones, project geologist, 45 days @ \$328/day.....	\$ 14,760
Harlan Meade, exploration manager, 2 days @ \$500/day .....	\$ 1,000
Stan Seney, core splitter, 48 days @ \$173/day .....	\$ 8,304

Post-field: report, data compilation, drafting, reclamation

Murray Jones, geologist, 7 days @ \$328/day .....	\$ 2,296
Stan Seney, core splitter, 2 days @ \$173 .....	\$ 346

Total Salaries \$ 28,363

**Total Expenditures, Fall Exploration Program, Dragon Property.....\$217,885**

## 9.0 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 have practised geology in Canada from 1979 to 1997.
4. I directly performed or supervised the work which is described in this report.

DATED this 3<sup>rd</sup> day of March, 1997 at Vancouver, British Columbia.



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



**APPENDIX A**  
**ROCK SAMPLE DESCRIPTIONS**

## Mineral Abbreviations

MU	muscovite
MS	sericite
CL	chlorite
BI	biotite
EP	epidote
GA	garnet
QZ	quartz
PY	pyrite
PO	pyrrhotite
SL	sphalerite
GL	galena
CD	cordierite
FD	feldspar
CA	calcite
CB	carbonate
CP	chalcopyrite
CY	clay
MG	magnetite

Nb: See Figure 4 for rock type abbreviations.

## Surface Rock Sample Description



118833. grab at site of 118758, north of Norgate Creek, east of DDH DR96-05, altered intermediate(?) volcanic rock, strong MS, weak QZ, with 2-3% disseminated PY, trace GL
- 118834 grab, at 118833, whole rock, altered intermediate or felsic volcanic rock, BI-MS-QZ alt'n, 1-3% PY, as disseminations.
- 118835 grab, 20 metres southwest of 118758, intermediate or felsic volcanic rock, strong BI-MS-QZ alt'n, 3-5% PY, possibly other very f.gr. sulphides, strong gossan.
- 118836 2 metre chip, adjacent 118591 (18.6 g/t Au), altered volcanic rock on margin of feldspar porphyry dyke, moderate CY-QZ alteration, 2-5% PY, f.gr. to clotty, GE-JA limonite.

**APPENDIX B**  
**DRILL LOGS**

## Abbreviations Used in Drill Logs

t/o	throughout
w/	with
poss	possibl(e)(y)
bx	breccia
assoc'd	associated
lt, dk	light, dark
silic'(d)(n)	silicified, silicification
rel.	relatively
vnlt, vns	veinlets, veins
usu.	usually
frac.	fracture(s)
fol'n	foliation
str.	stringer
sulph.	sulphide(s)
diss'(d)(ns)	disseminated, disseminations
cnt	contact
fels	felsic
tr	trace
alt'(d)(n)	altered, alteration
conc'(d)(n)	concentrated, concentrations
int.med.	intermediate
xtals	crystals
abdt	abundant
f.gr.	fine grained
m.gr.	medium grained
cse.gr.	coarse grained
lap	lapilli
gndmss	groundmass
irreg.	irregular
wk	weak
mod	moderate
frag(s)(mtl)	fragments, fragmental
stkwk	stockwork
cm	chill margin

**DRILL LOG**

PROJECT DRAGON	GROUND ELEV. 600 m
HOLE NO. DR96-04	BEARING 360°
LOCATION UTM GRID LOCATION 696760E 5524115N	DIP -80°  TOTAL LENGTH 405.08 m (1329')
LOGGED BY MURRAY JONES	HORIZONTAL PROJECT 72 m
DATE OCT 14, 1996	VERTICAL PROJECT 400 m
CONTRACTOR ADVANCED DRILLING LTD	ALTERATION SCALE  <ul style="list-style-type: none"> <li>0 absent</li> <li>1 slight</li> <li>2 moderate</li> <li>3 intense</li> </ul>
CORE SIZE BTW	TOTAL SULPHIDE SCALE  <ul style="list-style-type: none"> <li>0 traces only</li> <li>1 &lt; 1%</li> <li>2 1% - 3%</li> <li>3 3% - 10%</li> <li>4 &gt; 10%</li> </ul>
DATE STARTED OCT. 11, 1996	
DATE COMPLETED OCT 23, 1996	
DIP TESTS	LEGEND
COMMENTS HOLE DRILLED ON CLIGNON CLAIM	

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					CA FRACTURE INTENSITY	% VEIN QTZ	SI
					BI	MS	CL	EP	CD			
					A	B	C	D	E			
				0-2.68 - CASING								
				2.68-405.08 FELSIC LAPILLI TUFF								
-5.0				- grey to light green to mottled colour - colour varies somewhat with matrix mineralogy								
				- greenish sections w/ MS, grey sections with BI								
				- matrix is siliceous as well - for recrystallized?								
				- trace to 0.5% lt bluish white GC's / FD phases?								
-10.0				- lapilli clasts generally light grey to creamy colour								
				- size varies from 2mm to 30mm - but locally large clasts coalesce together								
				- core is generally broken - no fabric apparent								
				- CL occurs along fractures, also MS								
				- gassy frags also common - MS?								
				- BI and MS in matrix is commonly patchy								
				7.55-9.75 - BI as patches in matrix, MS t/o as well.								
				17.07-22.96 - MS alteration increases, abundant MS on frac's trace CL on fractures								
-20.0				- bleached appearance to core								
				- yellowish green colour								
				- CA in units, small by zones - CL assoc'd								
				22.35-22.86 - minor broken core around silic'd. MS alt'd zone								
				22.86-29.90 - MS lessens, still no BI								
				- CA in frags								
-30.0				29.90-32.27 - BI appears moderate to very locally strong								
				- matrix still dominantly quartz - siliceous								
				- CL-MS in small patches - after lapilli?								
				32.27-36.15 - BI gone - MU increases slightly								
				- CA in frags, weakly pervasive								
				36.15-37.44 BI-MS-CL horizons. bleaching around CA units in frags								
-40.0m				37.44-44.69 - BI out, MS-trace CL, SI weak to mod								
				- yellowish green bleached appearance								
				- moderate pervasive CA, also in fractures								
				41.40-43.59 - broken core, strong MS, weak CA								
				44.69-48.77 - BI weak to moderate, patchy (spotted)								

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES			SAMPLE NUMBER	ASSAYS				WHOLE ROCK
		FROM	TO	WIDTH		Au ppb	Cu ppm	Pb ppm	Zn ppm	
2.68-17.07 - 0.25% PY, dissns										
										118851 WR
17.07-22.96 - 1.0% PY, dissns and blebs, minor along fractures		17.10	19.60	1.50	148301	<5	10	12	38	
		18.60	20.10	1.50	302	<5	17	20	70	
		20.10	21.60	1.50	303	<5	9	10	72	
		21.60	22.96	1.36	304	<5	11	12	38	
22.96-29.90 - 0.25-0.5% PY, dissns blebs		22.96	24.50	1.54	305	<5	12	10	34	
										WR 118852
27.82 - 0.5 cm wide PY veinlet		27.60	28.60	1.00	306	<5	20	10	30	↓
29.90-32.27 - trace to 0.25% PY, dissns										
32.27-36.15 - 0.25-0.5% PY, dissns blebs, dissns - assoc'd w/ patchy bleaching										
36.15-37.44 - 0.25% PY, as blebs										
37.44-44.69 - trace PY, dissns										
44.69 - trace to 0.25% PY, as for dissns and blebs										





MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES			SAMPLE NUMBER	ASSAYS				WHOLE ROCK
		FROM	TO	WIDTH		Au	Cu	Pb	Zn	
										118853 ↓
										118854 ↓
62.90 - 68.65 0.50-1% PY as diss'ns blebs in clasts - generally very fine grained.										
65.42 - 65.87 - 2-3% fgr diss'd PY		65.38	65.87	0.49	148307	<5	52	18	70	
68.65 - 74.30 - 4-0.25% PY, fgr diss'ns										
		72.54	74.30	0.76	308	<5	30	10	48	
74.30 - 76.20 - 0.5% fgr diss'd PY		74.30	75.10	0.80	309	<5	16	10	44	
		75.10	76.20	0.60	310	<5	13	10	50	
76.20 - 104.32 - 4-0.25% PY, as diss'd blebs		76.20	77.70	1.50	311	<5	20	10	52	
		77.70	79.20	1.50	312	<5	16	14	68	
- minor patches, assoc'd w/ Ch alt'n along fractures - late										
- also narrow zones to 1% diss'd PY										118855 ↓
										118856 ↓

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACTURE INTENSITY	% VEIN QZ	SI
					BZ	MS	CL	EP	CD			
					A	B	C	D	E			
90												
95				94.77-95.65 - section of concentrated coarse lapilli - to 4 cm.								
100				99.75-104.32 - dark coloured matrix - BT dominates, locally lighter colour. - coarse clasts at bottom of interval - to 8-10 cm.								
105				104.32-107.50 - lt grey-green colour - MS, minor CL, ST? - core is quite broken - fault? - relatively fine clasts - or obscured by alt'n?								
110				107.50-116.82 - mottled looking rock - generally dark brown BT-rich matrix w/ lt clasts - bleaching common around veinlets - lt green patches with zones. - trace CL assoc w/ frag's, clasts								
115				116.0-116.82 - broken core - fault?								
120				116.82-129.25 lt grey to greenish colour - only minor BT, reddish brown light colour. - still mainly altered matrix. - trace CL, patchy occurrence. - weak MS, weak ST								
125				120.18-127.59 - rock is quite friable - haaled by CA units - locally weathered out - rock is lt grey colour. - smallish clasts								
130				127.59-129.25 - broken core - related to small fault - gauge at 129.20 m - moderate MS alt'n - wavy, massive in matrix to clasts								
135				129.25-137.30 - lt grey section, moderate MS - wavy weak BT, weak ST. - MS still as massive, wavy patches in matrix. - QZ - minor CA veins common								

fault at 78°

35° - 020° W





MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES			SAMPLE NUMBER	ASSAYS				WHOLE ROCK
		FROM	TO	WIDTH		Au	Cu	Pb	Zn	
137.30-144.92 - 0.25-0.5% PY, dissems and blebs										
		143.42	144.92	1.50	148327	<5	38	14	62	
144.92-149.46 - 1% PY, dissems, in patches, blebs, in veinlets - tr CP in Qz-CA veinlets - SL? too		144.92	146.25	1.33	328	<5	30	22	60	
		146.25	147.25	1.00	329	<5	23	22	60	
		147.25	148.25	1.00	330	<5	37	26	60	
		148.25	149.46	1.21	331	<5	32	28	98	
149.46-155.10 - 0.5% PY, patchy dissems - assoc w/ Qz-CA veinlets		149.46	150.96	1.50	332	<5	23	26	60	
155.10-159.75 - tr - 0.25% PY, tiny dissems										118860 ↓
159.75-166.42 - 0.5-1.0% PY, as dissems blebs - conc'd in lapilli sections w/in dyke, at margins										118861 ↓
		163.77	165.27	1.50	333	<5	29	52	90	
		165.27	166.77	1.50	334	<5	25	30	76	
166.42-178.35 - 0.25-0.5% PY as dissems, blebs - minor PY stringers										
178.35-184.60 - 0.5-1.0% PY, as blebs and med dissems										















DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACTURE CA INTENSITY	% VEIN QTZ	SI
					BI	MS	CL	EP	CD			
					A	B	C	D	E			
320			40' upper cut	314.82-315.07 - shearing, including 2cm gouge								
			60' lower cut	315.36-316.64 - mafic or intermediate dyke - dark green, f.g. magnetic, relative hard. CA in late veinlets								
				316.64-324.00 - (app): fuff, relatively BI-rich, brown to green (where altered) - late vein shears tend to bleach core →								
			45° fracture	BI out? - porphyritic appearance continues - intrusion? - matrix is generally quite hard (weak SI)								
330			26° QZ-CA vein	325.32-327.20 - hole has spotty appearance - BI and/or CL? - clasts still apparent								
			45° QZ-CA-CL shear/vein	333.60-339.74 moderate to strong BI - local bleached zones with CL in fractures								
340			68° bdg cut?	335.83-336.20 - spotty texture - clastic section - slightly softer matrix - separate hard of slightly different composition - lower contact transitional								
			90° QZ-CA veinlet	336.20-377.74 - strong BI								
				341.36 - sand seam?								
				341.36-348.90 - very heterogeneous appearing core - BI in matrix - washed out around fractures - retrograde CA-MS-CL - very local zones of silica								
350			40° clay gouge - shear	348.90-351.40 - It grey green colour, BI gone - weak MS CL alt'n - shear near centre of interval								
				350.20-350.35 - broken core, shear								
				351.40-357.00 - variably alt'd BI - hornfels felsic lapilli, fuff - mostly retrograde alt'n along fractures								
				- class difficult to distinguish - ghost-like								
360				356.87-357.77 - bleach, fuff section - CA veins, weak SI								











HOLE: DR96-04

	FROM	TO	WIDTH	TOTAL CORE	CORE RECOVERY	TOTAL > 10 cm	ROD
	<del>2.68</del>	<del>3.55</del>	.98	.94	96	.11	11
	3.66	4.88	1.22	.90	74	.22	18
	4.88	6.97	2.09	.88	42	.29	14
*	6.97	7.92	.95	1.65	<sup>175</sup> 68	.52	55
	7.92	10.36	2.44	2.29	94	1.03	42
	10.36	10.97	.61	.41	67	0.00	0
	10.97	14.02	3.05	.97	32	.22	1
	14.02	17.07	3.05	1.72	56	.41	13
	17.07	20.12	3.05	2.79	91	SAMPLED	
	20.12	22.86	2.74	2.65	97	1.37	50
	22.86	25.91	3.05	2.95	97	1.45	48
	25.91	28.04	2.13	2.05	96	1.59	75
*	28.04	29.26	1.22	1.24	102	.88	72
	29.26	32.31	3.05	3.03	99	2.35	77
	32.31	34.44	2.13	1.90	89	.61	29
	34.44	37.49	3.05	3.01	99	2.26	74
	37.49	38.40	.91	.85	93	.22	24
	38.40	41.30	2.90	2.45	84	1.63	57
	41.30	43.59	2.29	1.75	76	.61	27
	43.59	45.11	1.52	1.65	109	.63	41
	45.11	47.55	2.44	2.10	86	1.43	59
	47.55	50.60	3.05	3.04	100	1.85	61
	50.60	53.64	3.04	2.86	94	1.86	61
	53.64	56.69	3.05	2.61	86	.59	19
	56.69	59.13	2.44	2.11	86	.97	40
	59.13	62.33	3.20	2.79	87	1.27	40
	62.33	65.38	3.05	2.97	97	1.13	37
	65.38	68.43	3.05	2.84	93	1.15	38
	68.43	71.63	3.20	2.65	83	1.31	41
*	71.63	72.54	.91	1.04	114	.31	34

HOLE: DR96-04

	FROM	TO	WIDTH	TOTAL CORE	CORE RECOVERY	TOTAL > 10 cm	RQD
	72.54	74.98	2.44	1.29	53	.14	5
	74.98	78.03	3.05	2.62	86	.84	28
	78.03	81.08	3.05	2.62	86	1.55	51
	81.08	84.12	3.04	2.49	82	1.33	43
	<del>84.12</del>	<del>85.65</del>		<del>1.56</del>		<del>1.24</del>	
	<del>85.65</del>	<del>89.61</del>		<del>3.36</del>		<del>2.12</del>	
	89.61	92.35	2.74	2.12	77	1.23	45
	92.35	94.49	2.14	1.66	78	1.20	56
☆	94.49	95.10	.61	.72	118	.44	72
	95.10	98.15		2.46	51	.96	
☆	98.15	101.50		2.83		1.85	11
	101.50	104.55	3.05	2.54	83	1.68	55
	104.55	107.55	3.00	2.44	81	.68	23
	107.55	110.95	3.40	3.02	89	1.77	52
☆	110.95	114.00	3.05	3.10	102	2.96	97
	114.00	117.04	3.04	2.16	71	1.11	37
	117.04	120.70	3.66	3.74	86	1.56	43
	120.70	123.75	3.05	2.88	94	0.95	31
	123.75	126.49	2.74	2.33	85	0.52	19
	126.49	129.84	3.35	2.59	77	0.66	20
	129.84	132.89	3.05	3.00	98	2.32	76
	132.89	135.94	3.05	2.97	97	1.58	52
	135.94	138.99	3.05	2.83	93	1.74	57
	138.99	142.04	3.05	2.90	95	1.71	56
	142.04	145.08	3.04	2.80	92	2.31	76
	145.08	148.13	3.05	2.92	96	2.47	81
	148.13	151.18	3.05	2.93	96	2.41	79
	151.18	154.23	3.05	2.87	94	1.71	56
	154.23	157.28	3.05	2.92	96	1.50	49
	157.28	160.32	3.04	2.79	92	1.79	59
	160.32	167.04	3.66	3.74	86	1.56	43

HOLE: DR96-04

FROM	TO	WIDTH	TOTAL CORE	CORE RECOVERY	TOTAL > 10 cm	ROD
160.32	163.37	3.05	3.06	100.00	2.82	92
163.37	166.42	3.05	2.87	94	2.05	67
166.42	169.47	3.05	2.89	95	1.72	56
169.47	172.52	3.05	2.90	95	2.01	66
172.52	175.56	3.04	2.82	93	2.70	89
175.56	178.61	3.05	2.78	91	2.36	77
178.61	181.66	3.05	2.75	90	2.39	78
181.66	184.71	3.05	2.80	92	1.86	61
184.71	187.76	3.05	3.01	99	2.38	78
187.76	190.80	3.04	3.08	100.00	2.81	92
190.80	193.85	3.05	2.83	93	2.20	72
193.85	196.90	3.05	2.74	90	2.12	70
196.90	199.95	3.05	3.06	100.00	2.34	77
199.95	203.00	3.05	3.05	100.00	2.77	91
203.00	206.00	3.00	2.81	94	1.34	45
206.00	209.10	3.10	2.94	95	2.46	79
209.10	212.14	3.04	2.81	92	2.20	72
212.14	215.18	3.04	2.87	94	2.37	78
215.18	218.24	3.06	2.67	87	1.94	63
218.24	221.28	3.04	2.95	97	2.77	91
221.28	224.33	3.05	3.05		2.15	
224.33	227.38	3.05	3.04		2.70	
227.38	230.42	3.04	2.80		1.78	
230.42	233.47	3.05	2.96		1.35	
233.47	236.22	2.75	2.57		1.34	
236.22	239.27	3.05	3.04		2.22	
239.27	241.71	2.44	2.72		1.67	
241.71	242.62	0.91	0.75		0.58	
242.62	245.67	3.05	2.32		1.54	
245.67	248.72	3.05	3.12		2.90	

clm



HOLE: DR96-04

	FROM	TO	WIDTH	TOTAL CORE	CORE RECOVERY	TOTAL > 10 cm	ROD
	248.72	251.76	3.04	3.04	100	2.23	73
	251.76	254.81	3.05	3.00	98	2.66	87
	254.81	255.42	0.61	0.61	100	0.38	62
	255.42	257.86	2.44	2.20	90	0.96	39
	257.86	260.91	3.05	2.70	89	1.03	34
	260.91	263.96	3.05	3.03	99	2.69	88
	263.96	267.00	3.04	2.97	98	2.22	73
	267.00	270.05	3.05	3.09	101	2.84	93
	270.05	273.10	3.05	2.87	94	1.78	58
	273.10	276.15	3.05	2.98	98	1.97	65
	276.15	279.20	3.05	2.86	94	2.41	79
	279.20	282.24	3.04	2.90	95	2.17	71
	282.24	285.29	3.05	2.89	95	2.56	84
	285.29	288.34	3.05	2.98	98	1.72	56
	288.34	291.39	3.05	2.96	97	2.70	89
	291.39	294.44	3.05	2.95	97	1.93	63
	294.44	297.48	3.04	2.97	98	1.77	58
	297.48	300.23	2.78	2.59	93	2.02	73
	300.23	303.28	3.05	2.98	98	1.89	62
	303.28	306.32	3.04	2.16	71	1.23	40
	306.32	309.37	3.05	2.85	93	1.93	63
	309.37	312.42	3.05	2.95	97	1.75	57
	312.42	315.47	3.05	2.76	90	.94	31
	315.47	318.52	3.05	2.99	98	2.61	86
	318.52	320.95	2.43	2.36	97	1.97	81
	320.95	324.00	3.05	3.13	102	2.95	97
	324.00	325.53	1.53	1.19	78	1.02	67
	325.53	327.36	1.83	1.67	96	1.16	63
	327.36	330.40	3.04	2.70	89	1.89	62
	330.40	332.23	1.83	1.68	92	.47	26

HOLE: DR96-04

	FROM	TO	WIDTH	TOTAL CORE	CORE RECOVERY	TOTAL > 10 cm	ROD
	332.23	334.06	1.83	1.76	96	1.29	70
	334.06	337.11	3.05	2.97	97	1.31	43
	337.11	340.16	3.05	2.99	98	2.45	80
	340.16	341.38	1.22	.90	74	.35	29
	341.38	342.90	1.52	1.26	83	.62	41
	342.90	345.95	3.05	2.77	91	1.15	38
	345.95	349.00	3.05	2.38	78	.74	24
	349.00	352.04	3.04	2.51	83	.75	25
	352.04	355.09	3.05	2.77	91	1.26	41
	355.09	358.29	3.20	2.90	91	2.09	65
	358.29	361.34	3.05	2.97	97	2.47	81
	361.34	364.39	3.05	2.13	70	1.92	63
	364.39	366.83	2.44	2.75	113	1.74	71
	366.83	369.87	3.04	2.64	87	.76	25
	369.87	370.64	.77	.54	70	0.00	0.00
	370.64	373.68	3.04	2.92	96	2.27	75
	373.68	376.73	3.05	2.84	93	1.37	45
	376.73	379.78	3.05	2.89	95	2.74	90
	379.78	382.83	3.05	3.04	100	2.53	83
	382.83	385.88	3.05	2.98	98	2.19	72
	385.88	388.92	3.04	3.09	102	3.01	99
	388.92	391.97	3.05	2.99	98	1.86	61
	391.97	395.02	3.05	3.06	100	2.83	93
	395.02	398.07	3.05	3.03	99	2.87	94
	398.07	401.12	3.05	2.70	89	2.57	84
	401.12	404.16	3.04	2.92	96	1.98	65
	404.16	405.02	.92	.79	86	.42	46

### DRILL LOG

<b>PROJECT</b> DRAGON	<b>GROUND ELEV.</b> 345 masl
<b>HOLE NO.</b> DR96-05	<b>BEARING</b> 110°
<b>LOCATION</b> GRID - 2400E/3390N UTM - 691880E/5525280N	<b>DIP</b> -49° @ collar
<b>LOGGED BY</b> M. JONES	<b>TOTAL LENGTH</b> 227.08 m (745')
<b>DATE</b> OCT. 26, 1996	<b>HORIZONTAL PROJECT</b> 154 m
<b>CONTRACTOR</b> ADVANCED DRILLING	<b>VERTICAL PROJECT</b> 166.5 m
<b>CORE SIZE</b> BTW	<b>ALTERATION SCALE</b>  <ul style="list-style-type: none"> <li>absent</li> <li>slight</li> <li>moderate</li> <li>intense</li> </ul>
<b>DATE STARTED</b> OCT 25, 1996	<b>TOTAL SULPHIDE SCALE</b>  <ul style="list-style-type: none"> <li>traces only</li> <li>&lt; 1%</li> <li>1% - 3%</li> <li>3% - 10%</li> <li>&gt; 10%</li> </ul>
<b>DATE COMPLETED</b> OCT. 30, 1996	<b>LEGEND</b>
<b>DIP TESTS</b>	
<b>COMMENTS</b>	













MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES			SAMPLE NUMBER	ASSAYS				WHOLE ROCK
		FROM	TO	WIDTH		Au ppb	Cu ppm	Pb ppm	Zn ppm	
										118883
47.55 - 49.18 - 0.25-0.5% PY as fine grained dissns coned around QZ-EP-CB veins		47.68	49.18	1.50	148371	<5	20	6	74	
49.18 - 51.05 - 2-3% PY as dissns and diss'd blebs		49.18	51.05	1.87	372	<5	25	14	28	
51.05 - 51.55 - 0.25% PY as dissns										118884
51.55 - 56.65 - 1-3% diss'd PY minor PB assoc'd w/ late QZ veinlets w/ assoc'd bleaching (silicification?)										
56.65 - 57.11 - 2-3% PY as blebs in patches										
57.11 - 70.69 - 1-3% PY, PB as dissns/blebs in groundmass of tuff and PB as small veins in veins		57.50	58.75	1.25	373	<5	28	10	60	
										118885

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACTURE CA INTENSITY	% VEIN QTZ	
					BI	MS	CL	EP	CD			
					A	B	C	D	E			
				68.20-68.75 - weak BI alt'n in envelope to QZ veins.								
70				30 QZ stringer								
				40 - QZ-PY vein								
				20 - QZ-PY-POL vein								
				15 - QZ-PY-POL vein								
				70.69-72.40 - series of 1-3cm wide QZ-PY-POL veins - trace MO? observed? - weak bleaching of core apparent - MS? - cross cutting veins - weak stock work? - EP or CZ? also in veins.								
75				5 - QZ-minor PY-POL vein								
				76.15-78.60 - intense MU alt'n adjacent to QZ-PY-POL vein sub-parallel to core axis - true width of alt'n ~ 20cm?								
				78.60-80.70 - lt to med grey core, weak to moderate MS alt'n.								
80				80.70-87.20 - weak BI-MS alt'n, patchy BI more pervasive MS.								
				45 - Fac								
				81.60-85.50 - lapilli, clast size generally larger within interval to 3-4 cm, more concentrated also.								
				15 QZ-MS-CA vein								
				50 - QZ-CA veins in facs/bx								
85				83.50-83.93 - conc'n of QZ-CA units in facs/bx								
				45 - Fac								
				85.50 - clasts less conc'd - still more amount of clasts to 3cm trace Biotite in matrix								
				87.20-90.65 trace BI moderate MS alteration - quite homogeneous								
90				30 - Fac								















MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES			SAMPLE NUMBER	ASSAYS				WHOLE ROCK
		FROM	TO	WIDTH		Au ppb	Cu ppm	Pb ppm	Zn ppm	
135.87-136.00 - silicified zone at contact		135.75	136.00	0.25	148396	50	119	1100	3090	
- 2-3% patchy SL w/ 3% PY		136.00	137.25	1.25	397	35	66	48	166	118889 ↓
136.00-138.25 - numerous QZ-PY veins in chloritic section - 3-5% total sulphide - related to bleached facies as well		137.25	138.25	1.00	398	60	144	60	218	
138.25-141.45 1-3% PY, generally as dissems - PY-SL veinlets - have		139.25	139.75	1.50	399	15	86	190	388	
		139.75	141.25	1.50	148400	<5	22	228	488	
141.45 - 154.95 - 3-5% PY, dissems and patches in host matrix as well as conc'd dissems in some clasts - to semi-mx. - trace SL, GL very local occurrences		141.25	142.45	1.20	942801	<5	31	290	642	
- PY rims clasts occasionally		142.45	143.95	1.50	802	<5	24	120	418	
		143.95	145.45	1.50	803	<5	28	84	290	
		145.45	146.95	1.50	804	<5	25	52	554	
		146.95	148.45	1.50	805	<5	42	68	82	118890 ↓
		148.45	149.95	1.50	806	<5	22	38	46	
		149.95	151.45	1.50	807	<5	28	34	309	
		151.45	152.95	1.50	808	<5	22	20	60	
		152.95	154.45	1.50	809	<5	21	26	38	
		154.45	156.06	1.61	810	<5	21	24	48	
154.95-161.02 - 1-2% PY, as dissems and small blebs (or clasts?)		156.06	158.19	2.13	811	<5	25	40	82	



MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES			SAMPLE NUMBER	ASSAYS				WHOLE ROCK
		FROM	TO	WIDTH		Au ppb	Cu ppm	Pb ppm	Zn ppm	
		158.19	159.69	1.50	942812	<5	30	24	44	
		159.69	161.02	1.33	813	<5	51	38	72	
161.02-169.00 - 1-5% PY, irregular distribution, pervasive fgr. dissin w/ local conc'd patches, sulph. clasts		161.02	162.52	1.50	814	<5	30	16	50	
- less conc'd in broken section		162.52	164.02	1.50	815	<5	31	16	56	118891 ↓
		164.02	165.05	1.03	816	<5	14	10	28	
		165.05	166.55	1.50	817	<5	41	24	60	
		166.55	168.00	1.45	818	45	44	42	68	
		168.00	169.00	1.00	819	<5	24	34	54	
169.00-173.90 - 2-3% PY as dissins and small blebs patches		169.00	170.55	1.55	820	<5	36	54	99	
- minor sulphidic clasts		170.55	171.91	1.36	821	<5	40	70	94	118892 ↓
		171.91	173.13	1.22	822	<5	64	104	70	
		173.13	174.63	1.50	823	30	162	104	114	
173.90-176.88 - 3% PY, as dissins +/o		174.63	175.80	1.17	824	140	104	32	120	
		175.80	176.80	1.00	825	25	48	144	53	
176.88-178.25 - 1-2% PY as fgr. dissins, minor blebs		176.80	178.25	1.45	826	<5	53	28	150	
178.25-185.30 - 2-3% PY as dissins, blebs, locally small masses		178.25	179.75	1.50	827	<5	68	16	110	
dissins in QZ veins		179.75	181.25	1.50	828	<5	74	12	140	

















HOLE: DR96-05

FROM	TO	WIDTH	TOTAL CORE	CORE RECOVERY	TOTAL > 10 cm	ROD
3.05	4.88	1.83	1.70	93	1.10	60
4.88	6.40	1.52	2.46	96	1.17	77
6.40	7.92	1.52	1.55	102	<del>38</del>	25
7.92	10.97	3.05	2.81	92	2.28	75
10.97	14.02	3.05	2.90	95	2.19	72
14.02	17.07	3.05	2.63	86	1.71	56
17.07	20.12	3.05	2.85	93	1.86	61
20.12	21.64	1.52	1.21	80	.66	45
21.64	23.16	1.52	1.36	89	.71	45
23.16	26.21	3.05	2.68	88	1.75	57
26.21	29.26	3.05	3.01	99	1.42	47
29.26	31.70	2.44	2.28	93	0.32	13
31.70	32.92	1.22	1.05	86	0.21	17
32.92	35.36	2.44	1.64	67	0.23	9
35.36	38.40	3.04	2.78	91	0.98	32
38.40	41.45	3.05	3.02	99	2.68	88
41.45	44.50	3.05	2.91	95	2.72	89
44.50	47.55	3.05	2.85	93	1.87	61
47.55	50.60	3.05	2.94	96	2.01	66
50.60	53.64	3.04	2.90	95	2.18	72
53.64	56.69	3.05	2.86	94	1.69	55
56.69	59.74	3.05	2.92	96	1.77	58
59.74	62.79	3.05	3.01	99	2.50	82
62.79	65.84	3.05	2.98	98	2.81	92
65.84	68.99	3.15	2.94	93	2.82	74
68.99	71.93	2.94	2.98	101	2.78	95
71.93	74.98	3.05	2.64	87	1.63	53
74.98	78.03	3.05	2.57	84	1.42	37
78.03	81.08	3.05	2.57	84	1.78	58
81.08	84.12	3.04	2.96	97	1.42	47

HOLE: DR96-05



FROM	TO	WIDTH	TOTAL CORE	CORE RECOVERY	TOTAL > 10 cm	RQD
84.12	87.17	3.05	2.41	79	.74	24
87.17	90.22	3.05	2.29	75	.64	21
90.22	93.27	3.05	2.42	79	1.85	61
93.27	96.32	3.05	2.99	98	2.87	94
96.32	99.36	3.04	3.06	101	2.95	97
99.36	102.41	3.05	2.64	87	1.83	60
102.41	105.46	3.05	2.78	91	1.39	44
105.46	108.51	3.05	3.04	100	2.24	73
108.51	111.56	3.05	2.97	97	2.04	69
111.56	114.60	3.04	2.46	81	2.26	74
114.60	117.35	2.75	2.86	104	1.72	63
117.35	120.40	3.05	3.05	100	1.05	34
120.40	121.92	1.52	1.39	91	.85	56
121.92	123.75	1.83	1.69	92	.96	52
123.75	126.19	2.44	1.79	73	.46	19
126.19	129.24	3.05	2.86	94	1.74	57
129.24	129.84	.60	.73	122	.45	75
129.84	132.89	3.05	2.74	90	.77	25
132.89	135.03	2.14	1.93	90	.94	44
135.03	135.66	.63	.52	83	.21	33
135.66	138.53	2.87	2.70	94	1.62	56
138.53	140.67	2.14	1.77	83	.55	26
140.67	142.34	1.67	1.44	86	.10	6
142.34	145.08	2.74	2.28	83	.72	26
145.08	148.13	3.05	2.47	81	.90	30
148.13	150.27	2.14	1.80	84	.88	41
150.27	152.10	1.83	1.27	69	.20	11
152.10	153.92	1.82	1.23	68	.27	15
153.92	156.06	2.14	1.53	71	.22	10
156.06	158.19	2.13	1.14	54	0	0

HOLE: DR. 96-05

FROM	TO	WIDTH	TOTAL CORE	CORE RECOVERY	TOTAL > 10 cm	RQD
158.19	160.32	2.13	1.87	88	.44	21
160.32	163.37	3.05	2.59	85	1.18	39
163.37	166.42	3.05	2.63	86	1.22	40
166.42	169.47	3.05	1.90	62	.13	4
169.47	171.60	2.13	2.22	104	.40	19
171.60	171.91	.31	.22	71	0	0
171.91	173.13	1.22	.94	77	.25	20
173.13	175.56	2.43	2.25	93	1.07	69
175.56	178.61	3.05	3.03	99	1.43	47
178.61	181.66	3.05	2.74	90	.73	24
181.66	181.97	.31	.11	35	0	0
181.97	183.49	1.52	1.56	103	.78	51
183.49	184.71	1.22	1.09	89	.15	12
184.71	185.93	1.22	1.11	91	.25	20
185.93	187.15	1.22	.91	75	.15	12
187.15	188.37	1.22	1.06	87	.28	22
188.37	190.20	1.83	1.71	109	.96	45
190.20	193.24	3.04	2.88	98	2.40	70
193.24	196.29	3.05	3.01	99	2.21	76
196.29	199.49	3.20	3.03	95	2.60	81
199.49	202.54	3.05	2.92	96	2.22	72
202.54	205.74	3.20	3.01	94	2.35	73
205.74	208.79	3.05	2.88	94	2.16	71
208.79	211.84	3.06	2.52	83	.99	36
211.84	214.88	3.04	2.52	83	.74	28
214.88	216.26	1.38	1.02	74	.43	31
216.26	218.24	1.98	1.76	89	1.09	51
218.24	220.37	2.13	2.08	98	.96	44
220.37	223.42	2.66	2.74	103	1.73	66
223.42	224.02	.60	.40	66	.00	0
224.02	227.08	3.06	2.90	95	2.25	71



### DRILL LOG

<b>PROJECT</b> DRAGON	<b>GROUND ELEV.</b> 455 masl
<b>HOLE NO.</b> DR96-06	<b>BEARING</b> 065°
<b>LOCATION</b> 2300E/3690N NORGATE GRID UTM 691775E/5525585N	<b>DIP</b> -60°
<b>LOGGED BY</b> M. JONES	<b>TOTAL LENGTH</b> 276.15 m (906')
<b>DATE</b> Nov. 5, 1996	<b>HORIZONTAL PROJECT</b> 144 m
<b>CONTRACTOR</b> ADVANCED DRILLING	<b>VERTICAL PROJECT</b> 235 m
<b>CORE SIZE</b> BTW	<b>ALTERATION SCALE</b>  <ul style="list-style-type: none"> <li>absent</li> <li>slight</li> <li>moderate</li> <li>intense</li> </ul>
<b>DATE STARTED</b> Nov. 1, 1996	<b>TOTAL SULPHIDE SCALE</b>  <ul style="list-style-type: none"> <li>traces only</li> <li>&lt; 1%</li> <li>1% - 3%</li> <li>3% - 10%</li> <li>&gt; 10%</li> </ul>
<b>DATE COMPLETED</b> Nov. 7, 1996	<b>LEGEND</b>
<b>DIP TESTS</b> ACID @ 150m = 58° dip ACID @ 270m = 60° dip	(Empty space for legend details)
<b>COMMENTS</b>	(Empty space for comments)

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACTURE INTENSITY	% VEIN QTZ
					BI	MS	CL	EP	GA		
					A	B	C	D	E		
0				0.0 - 2.13 - CASING							
5.0				2.13 - 46.57 RHYOLITE FLOW							
				<p>5' mineralized fracture - lt gray to cream to greenish colour</p> <p>- fr to aphanitic "glassy" very hard</p> <p>- tiny BI specks common to core</p> <p>- locally amygdaloidal? texture</p> <p>- also, flow banding apparent</p>							
				<p>70' frac w/ MS, bleached</p> <p>- fracturing common, variable attitudes, commonly CL filled, weak bleaching assoc'd w/ some fractures (w/ MS, CA)</p> <p>- minor EP on fracs</p>							
10				<p>50' frac</p> <p>2.13 - 2.35 - dx zone - dark CL-rich matrix</p> <p>5.00 - 7.72 - bleached section, assoc'd w/ MS-CA veinlets</p> <p>7.50 - 10.11 - broken core</p>							
				<p>45' CL-PY in frac</p> <p>11.60 - 13.41 - broken core</p>							
15				<p>55' lower cent of CL zone</p> <p>13.30 - 14.00 - strongly frac'd rock, CL strong in frac' and host rock - st30 hard rock</p> <p>14.37 - 16.80 - EP common in frac's and envelopes to frac's - core is notably bleached around fractures.</p>							
				<p>35' EP-vein/alt'n zone</p> <p>16.80 - 31.44 - glassy rhyolite flow, local dx zones - heavy CL in frac's and dx matrix, also weak CA</p> <p>- CL is of two types - med green, feldted CL, commonly as a core, surrounded by recrystallized(?) black CL - relatively mx in appearance - EP is commonly assoc'd.</p>							
20				<p>40' CL fracture</p>							

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES			SAMPLE NUMBER	ASSAYS				WHOLE ROCKS
		FROM	TO	WIDTH		Au ppb	Cu ppm	Pb ppm	Zn ppm	
2.13 - 14.37 - trace to 0.5% PY almost exclusively as blebs in fractures and veinlets - very minor dis'sns - trace Pb also. - HE occurs locally in fractures - SL noted locally, also in fractures - very minor amount.		2.13	3.66	1.53	942836	<5	6	8	188	118895
14.37 - 16.80 - 0.5% PY, in frac's, minor dis'sns - trace SL, in fractures, and as a small lens assoc'd w/ CL in fracture w/ strongly bleached envelope.		14.07	15.57	1.50	837	<5	9	4	58	
16.80 - 27.10 - trace to 0.5% PY as scattered blebs in fractures		15.57	17.07	1.50	838	<5	10	4	48	118896



	MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES			SAMPLE NUMBER	ASSAYS				WHOLE ROCK
			FROM	TO	WIDTH		Au	Cu	Pb	Zn	
25											
	27.10 - 29.26 - 0.25% PY, as diss'd blebs in bx matrix and fractures - tr SL? in bx matrix - bright reddish colour @ 27.80m.		27.10	29.20	2.10	942839	<5	3	10	102	
30	29.26 - 35.80 tr PY, in bx matrix and fractures.										
35											118897
	35.80 - 46.57 - 0.25-0.5% PY, as diss'd blebs, fine. filling and tiny diss'ns - commonly in late(?) fractures w/ EP.										
40											
			43.57	45.07	1.50	840	<5	3	6	50	
45											



MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES			SAMPLE NUMBER	ASSAYS				WHOLE ROCK
		FROM	TO	WIDTH		Ag	Cu	Pb	Zn	
		45.07	46.57	1.50	942841	<5	7	16	78	
46.57-48.77 - tr PY only, as fny dissns										118898
48.77-55.37 - tr PY as fgr. dissns along flow bands										118899
55.37-72.35 tr - 0.25% PY as flebs in CL-QZ-EP-Ms altn/vein zones - minor flebs in fractures - trace SL in fractures and as flebs in ground mass of rock - possible clasts? - <2-3 mm		55.47	56.97	1.50	942842	<5	8	12	168	
		56.97	58.47	1.50	843	<5	3	8	266	
		58.47	59.97	1.50	844	<5	7	8	266	
		59.97	61.47	1.50	845	<5	8	12	342	118900 T
		61.47	62.97	1.50	846	<5	5	28	414	
		62.97	64.47	1.50	847	<5	2	16	336	118901 T

















MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES			SAMPLE NUMBER	ASSAYS				WHOLE ROCK
		FROM	TO	WIDTH		Au	Cu	Pb	Zn	
137.50 - 141.50 - 0.5-1.0% PY, as fissins, blebs along fractures and veins										118907
141.50 - 143.55 - 1-2% PY, as coarse diss'n, small lenses in fractures and veins		141.99	143.55	1.56	942852	10	120	74	368	
143.55 - 144.45 - 0.25-0.5% PY-Pb, as masses in QZ veinlets		144.45	146.00	1.55	853	15	55	130	368	
144.45 - 147.00 - 2-3% PY, Pb as fissins, lenses, and in QZ veins		146.00	147.00	1.00	854	5	25	44	150	
147.00 - 148.00 - 1-3% PY, minor Pb - generally as fissins especially concentrated in patches/lenses in tuff matrix		147.00	148.00	1.00	855	15	29	64	296	
		148.00	149.00	1.00	856	30	60	120	5020	
148.30 - 149.50 - QZ veinings w/ 5% SL plus minor GL.		149.00	150.00	1.00	857	20	39	46	170	
		150.00	151.00	1.00	858	70	178	44	90	
150.50 - 150.90 - 8-10% Pb/PY overall - sulphides are concentrated in about 20cm zone in tuff matrix		151.00	152.50	1.50	859	25	36	50	202	
		152.50	153.50	1.00	860	25	61	40	114	
		153.50	154.60	1.10	861	20	115	60	68	
		154.60	156.00	1.40	862	10	23	44	162	
		156.00	157.00	1.00	863	15	25	50	850	
		157.00	158.00	1.00	864	10	46	18	46	118908

118907 ↓































HOLE: DR 96-06

	FROM	TO	WIDTH	TOTAL CORE	CORE RECOVERY	TOTAL > 10 cm	RQD
	2.13	3.66	1.53	1.34	82	1.24	81
	3.66	4.89	1.23	1.25	101	1.09	89
	4.89	7.92	3.03	2.22	73	.50	17
	7.92	10.97	3.05	2.27	74	.52	17
	10.97	13.41	2.44	1.86	76	.64	26
	13.41	14.02	.61	.69	113	.17	28
	14.02	17.07	3.05	2.86	94	1.81	59
	17.07	17.68	.61	.52	85	.22	36
	17.68	20.12	2.44	2.40	98	1.95	80
	20.12	21.95	1.83	1.81	99	1.54	84
	21.95	23.16	1.21	.99	82	.40	33
	23.16	25.76	2.60	2.62	101	1.72	66
	25.76	26.52	.76	.26	34	0	0
	26.52	29.26	2.74	2.89	105	4.46	90
	29.26	29.57	.31	.13	42	0	0
	29.57	32.31	2.74	2.23	81	1.91	70
	32.31	35.36	3.05	2.95	90	2.52	83
	35.36	38.40	3.04	2.98	98	2.58	85
	38.40	41.45	3.05	2.83	93	2.28	75
	41.45	43.28	1.83	1.90	104	1.55	85
	43.28	44.50	1.22	1.12	92	.77	63
	44.50	47.24	2.74	2.36	86	1.33	49
	47.24	48.46	1.22	1.25	102	.62	51
	48.46	49.38	.92	.50	54	.14	21
	49.38	51.21	1.83	1.82	99	1.28	70
	51.21	53.64	2.43	2.33	96	2.23	92
	53.64	55.47	1.83	1.69	92	1.48	81
	55.47	56.69	1.22	1.33	109	1.10	90
	56.69	59.74	3.05	3.09	101	2.95	97
	59.74	62.79	3.05	3.00	98	2.77	91

HOLE: DR96-06

N  
W

	FROM	TO	WIDTH	TOTAL CORE	CORE RECOVERY	TOTAL > 10 cm	RQD
	62.79	65.84	3.05	2.97	97	2.93	96
	65.84	68.89	3.05	3.02	99	2.56	84
	68.89	71.94	3.05	3.07	101	2.95	97
	71.94	74.98	3.04	2.78	91	2.16	71
	74.98	78.03	3.05	3.12	102	2.88	94
	78.03	81.08	3.05	3.16	104	3.16	104
	81.08	84.12	3.04	3.03	100	2.61	86
	84.12	87.17	3.05	3.02	99	2.74	90
	87.17	90.22	3.05	2.97	97	2.55	84
	90.22	91.74	1.52	1.28	84	.55	36
*	91.74	92.66	.92	1.57	176	.47	51
	92.66	96.32	3.66	3.06	84	3.01	82
	96.32	99.36	3.04	3.03	100	2.85	94
	99.36	102.41	3.05	3.04	100	2.76	89
	102.41	105.46	3.05	2.78	91	2.24	73
	105.46	107.90	2.44	2.38	98	1.43	59
	107.90	111.10	3.20	3.01	94	2.62	82
	111.10	114.15	3.05	2.86	94	1.84	60
	114.15	117.35	3.20	2.93	92	2.38	74
	117.35	120.40	3.05	2.98	98	2.76	90
	120.40	123.44	3.04	2.85	94	2.32	76
	123.44	126.49	3.05	2.89	95	2.45	80
	126.49	129.54	3.05	3.08	101	3.08	101
	129.54	132.74	3.20	3.08	96	2.87	90
	132.74	135.94	3.20	3.08	96	2.99	93
	135.94	138.99	3.05	3.08	101	2.86	94
	138.99	140.82	1.83	1.93	105	1.76	96
	140.82	142.04	1.22	.78	64	.28	23
	142.04	145.08	3.04	2.88	95	1.89	62
	145.08	147.52	2.44	2.27	93	1.14	47



HOLE: DR96-06

	FROM	TO	WIDTH	TOTAL CORE	CORE RECOVERY	TOTAL > 10 CM	ROD
	147.52	150.27	2.75	2.75	100	1.88	68
	150.27	153.31	3.04	2.85	94	1.91	63
	153.31	154.23	.92	1.07	116	.85	92
	154.23	155.45	1.22	.97	180	.59	48
	155.45	157.28	1.83	1.98	108	1.09	60
	157.28	160.00	2.72	2.43	89	.91	33
	160.00	162.76	2.76	3.09	112	2.05	74
	162.76	165.81	3.05	2.51	82	1.22	40
	165.81	166.42	.61	.73	120	.27	44
	166.42	168.25	1.83	1.58	86	.68	37
	168.25	169.32	1.07	.96	90	.46	43
	169.32	171.45	2.13	1.74	82	1.17	55
	171.45	172.52	1.07	.85	89	.33	31
	172.52	175.56	3.04	2.69	88	1.80	59
	175.56	177.09	1.53	1.33	87	.93	61
	177.09	178.61	1.52	1.59	105	1.42	93
	178.61	180.14	1.53	1.46	95	.96	63
	180.14	183.18	3.04	2.82	93	2.42	80
	183.18	184.71	1.53	1.67	109	1.38	90
	184.71	187.76	3.05	3.01	99	2.86	94
	187.76	189.57	1.81	1.62	90	1.30	72
	189.57	192.63	3.06	3.06	100	2.73	89
	192.63	195.68	3.05	2.98	98	2.85	93
	195.68	198.73	3.05	2.94	96	2.80	92
	198.73	199.95	1.22	1.18	97	1.05	86
	199.95	203.00	3.05	3.01	99	2.86	94
	203.00	206.04	3.04	3.05	100	2.97	98
	206.04	209.09	3.05	3.05	100	3.05	100
	209.09	212.14	3.05	3.03	99	2.75	90
	212.14	215.19	3.05	3.02	99	2.99	98





**DRILL LOG**

<b>PROJECT</b> DRAGON	<b>GROUND ELEV.</b> 400m
<b>HOLE NO.</b> DR96-07	<b>BEARING</b> 360°
<b>LOCATION</b> UTM LOCATION 5525265N / 693798E	<b>DIP</b> - 85°
	<b>TOTAL LENGTH</b> 395.48 m (1297.5')
<b>LOGGED BY</b> M. JONES	<b>HORIZONTAL PROJECT</b> 68 m
<b>DATE</b> Nov. 13, 1996	<b>VERTICAL PROJECT</b> 392 m
<b>CONTRACTOR</b> ADVANCED DRILLING	<p align="center"><b>ALTERATION SCALE</b></p>  <p>0 1 2 3</p> <ul style="list-style-type: none"> <li>absent</li> <li>slight</li> <li>moderate</li> <li>intense</li> </ul>
<b>CORE SIZE</b> BTW	
<b>DATE STARTED</b> Nov. 10, 1996	
<b>DATE COMPLETED</b> Nov. 19, 1996	<p align="center"><b>TOTAL SULPHIDE SCALE</b></p>  <p>0 1 2 3 4</p> <ul style="list-style-type: none"> <li>traces only</li> <li>&lt; 1%</li> <li>1% - 3%</li> <li>3% - 10%</li> <li>&gt; 10%</li> </ul>
<b>DIP TESTS</b> ACID @ 180 m = 82°	
<b>COMMENTS</b>	<b>LEGEND</b>

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACTURE INTENSITY	% VEIN QTZ.
					BI	MS	CL	EP			
					A	B	C	D	E		
0				0-4.57m CASING							
4.57-17.40				FELDSPAR-QUARTZ PORPHYRY INTRUSION lt green to grey, speckled intrusion? - MS abn pervasive moderate - speckles are Ch after BI? - ~ 1-3% - FD phenocrysts abundant in groundmass, lower QZ apparent - fresh appearance - rock is quite hard overall - fractures - fractures common, QZ-CA veinlets w/ MS abn assoc. - fault at bottom of interval - core is broken							
17.40-33.42				RHYOLITE FLOW? - aphanitic, lt grey, strongly friable rock - MS weak in general, conc'd along fractures - trace BI apparent locally - rock is generally quite hard - small QZ-FD porphyry dikes - rare - no evidence of clasts - obscured by fracturing and inflection? - QZ-CA veinlets +/- 26.80-28.96 - fault zone? - broken core around - gouge zone - strong gouge zone at shallow angle to core							
29.62-36.34				weakly bleached rock - yellowish grey-green colour, moderate MS abn, extremely friable - dark green MS or Ch in fractures							
31.90-33.42				31.90-33.42 - mafic dike, mod Ch, CL phenos							
32.22-32.64				32.22-32.64 - strong fault/shear							
33.83-36.58				33.83-36.58 - rubble zone							
33.42-135.72				QUARTZ-FELDSPAR PORPHYRY INTRUSION - rock shows quite variable appearance, largely due to local alteration zones - rock appears to be largely recrystallized with moderate BI in groundmass, wk Ch, MS - FD phenos common, but bluish QZ eyes 2-5% to 5mm diameter - possibly texture due to phenos and rounded QZ-FD? domains -> clasts? - finer grained, more homogeneous sections possibly represent aphanitic rhyolite flow							

	MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES			SAMPLE NUMBER	ASSAYS				WHOLE ROCK
			FROM	TO	WIDTH		Au ppb	Cu ppm	Pb ppm	Zn ppm	
0											
5	4.57-29.62 - trace PY, as very fine. dissn.										118919
10											
20			18.90	20.40	1.50	942888	<5	5	10	38	
											118920
30	29.62 - 36.34 - 0.25% PY, as small flecks in frac's, especially in most bleached sections of core		28.90	30.40	1.50	889	<5	10	20	38	
			30.40	31.90	1.50	890	<5	19	24	34	
			31.90	32.64	0.74	891	<5	25	12	82	
40	36.34 - trace PY as flecks generally in altered sections										118921

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACTURE INTENSITY	% VEIN QTZ
					BI	MS	CL	EP	E		
					A	B	C	D	E		
55				<p>35 - quartz - MS - Section represents base / flow unit noted in extensive outcrops in area</p> <p>36.80 - 39.20 - 1 gr. QZ aggr. - MS mod.</p> <p>41.96 - 44.40 - 1 gr. homogeneous section, moderate MS alt'n</p>							
50				<p>50.41 - 58.10 - bleached section, trace BI-CL left in groundmass between extensive MS - QZ &amp; breccias around fractures, veins</p> <p>54.50 - 54.86 - broken core - fault?</p> <p>57.50 - 58.10 - broken core - fault</p>							
60				<p>61.90 - 67.50 core is generally quite broken - local alt'n zones related to fracturing</p> <p>67.50 - 73.50 - generally more homogeneous weathering rock, less fractured, alt'n</p> <p>78.63 - 82.02 - lapilli tuff? - seemingly well defined aphanitic rhyolite clasts</p>							
70				<p>82.50 - 83.30 - rubble - fault zone - QZ-MS veining - CA leached out?</p>							
80											
90											

alt'n  
fracs  
sub-parallel  
to core  
axis







DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					HE FRACTURE INTENSITY	% VEIN QTZ	SI	
					BI	MS	CL	EP	MG				
					A	B	C	D	E				
140				lower dyke cont. 134.54-135.72 - mafic dikes, magnetic, very homogeneous, g. minor CA veinlets									
				135.72-157.20 FELSIC LAPILLI TURF									
				35°-bleached fracture - distinguishable lapilli clasts - generally porphyritic to aphanitic lt gray rhyolite & cherty appearance to some clasts -									
				- matrix indistinguishable from QZ-FD porphyry intrusions above - Bluish QZ eyes common, FD phenos abundant - 5-20% phenocrysts to several mm diameter									
50				40° CA-GY vein/bx - BI pervasive in matrix, weak in clasts									
				70° CL-CA in shear - weak MS alt'n, generally stronger around fractures and veinlets									
				- MG common assoc'd w/ alteration - HE also present, stains FD phenos and some lapilli clasts									
				137.37-139.55 - QZ veining, assoc'd EP alt'n, HE in fractures GY in veinlets									
60				141.90 - 142.35 - weakly bleached zone, EP-MG assoc'd									
				146.28-148.00 - trace HE, in clasts, matrix									
				148.00-149.00 - trace/sheared rock, weak HE and CL, GY-CA in veins									
				149.00 - MG sporadic t/o section - weak									
				154.85-155.14 - strongly alt'd section surrounds 5cm wide shear w/ CA-GY veining									
				157.20-226.93 FELDSPAR-QUARTZ PORPHYRY INTRUSION ? - dark grey, BI moderate, 5-20% FD and lesser QZ phenos - homogeneous overall texture - weak MG, diss'd t/o									
170				167.83-169.05 - weakly bleached section, assoc'd w/ EP-SI-GA alt'n zone - no significant veining - non-magnetic									
				- overall unit - patchy HE alt'n - assoc'd w/ veining, weak alt'n - MG usually gone where HE is present - also, black, BI-rich(?) bands or lenses in core -> mafic? argillaceous? material? - possible contaminants in intrusion									
				80° CA veinlet									
180	shear			25°-bleached fracture 179.59-180.50 - silica assoc'd w/ shear zone									











	MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES			SAMPLE NUMBER	ASSAYS				WHOLE ROCK
			FROM	TO	WIDTH		Au	Cu	Pb	Zn	
230											
			232.05	233.40	1.35	942899	<5	40	4	40	
											11893
240											
250	248.05-251.68 - 0.25-0.5% PY, trace CP assoc'd w/ small CL-rich shears CP-Cu-EP veining.		249.00	250.40	1.40	900	<5	74	4	30	
			250.40	257.80	1.40	901	<5	58	2	26	
	251.68-264.90 - trace PY, as dissns and blebs, assoc'd w/ veinlets - trace CP as small for masses adjacent to CL fractures - quite scattered through section not conc'd in zones - minor dissns of CP in envelopes to mineralized veinlets		254.70	255.70	1.00	902	<5	1875	2	24	
			255.70	257.20	1.50	903	<5	16	4	22	
			257.20	258.70	1.50	904	<5	976	2	22	11893
260											
	264.90 - 355.79 - ml sulphide.		264.13	265.13	1.00	905	<5	1260	42	22	
270											





DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACTURE INTENSITY	% VEIN QTZ	
					BT	MS	CL	EP	MG			
					A	B	C	D	E			
320				320.46 - 339.56 - matrix of lapilli tuff lighter colour w/ dark patches (BT-CL)								
			59° - CL slip - bleached halo	- m/a as fig. dissins and as tiny blebs - unusually shaped clasts common, distinct boundaries, heterolithic including cherty silylites, porphyritic silylites, glassy fragmental silylites, BT-rich and CL-rich clasts								
			30 QZ vein	- extremely granular porphyritic matrix, minor bleish QZ p/nes almost zirconium FD (plagioclase?) crystal & - not apparently any broken or fractured crystals (ie xtal shell)								
330			15 - contact of EP alt'n zone	328.46 - 329.75 - broken core gives way to strong EP alt'n zone - CL-CA in sheets/fractures, HE on fracture surfaces								
			25 - EP-CP-PY-MG vein									
340			15 EP-CL alt'n zone	339.56 - 344.42 - lt grey to greenish colour weak to moderate MS								
			30 - fac set	- strongly fractured section - rubble from 340.90 to 342.36								
			30 - CL shear	- EP alt'n strong in rubble zone, weak HE - CL-rich siltar at base of interval.								
			45 - EP alt'n zone									
350				347.80 - 355.75 - broken core, local clay gouge on fractures - CL weak - EP common on fractures and in veins								
			60 - CL clay gouge on fracture									
			45 - clay gouge	354.32 - 355.79 - extremely fractured, rubble section - strong EP alt'n, Mg gone								
				355.79 - 360.29 - weakly bleached weakly fractured void, minor pervasive HE - lapilli clasts have bleached halos								
360			50 EP vein/alt'n									





DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACTURE INTENSITY (%)	% VEIN QTZ
					BI	MS	CL	EP	MG		
					A	B	C	D	E		
360				360.60 - 367.75 MG out, weak MS alt'n - rock is fractured. lt green colour - pass weak CL alt'n - matrix is quite hard, clasts are softer commonly							
				45 - QZ-CA vein/shear 55 - small iron dykelet							
				30 - QZ-CA vein/shear							
370				55 - EP stained frac. 369.30 - 373.75 - fracturing intensity increased - QZ-CA veining common - bleaching assoc'd w/ fractures, MG out							
				20 - clay gouge - 5cm 371.60 - 372.40 - fault - shear/fracs. gouge zones							
				376.25 - 377.20 - extremely broken core - fractures parallel core axis commonly							
				377.75 - 379.0 - lt grey coloured core, moderate MS, trace BI in groundmass							
380				70 - QZ veinlet							
				50 - MS on frac. 379.0 - 387.54 - mod. MS - weak BI in rock, trace CL, mostly in fractures							
				25 - MS on frac							
				25 - QZ-EP on frac. 384.61 - 385.24 - bleaching assoc'd w/ QZ-EP veining and alteration - CL in fracs - strong							
				25 - QZ-EP-MS frac/vein							
				388.98 - 389.90 - banded, veined section							
390				50 - dyke contacts FD(?) alt'n - seem to grey green colour overall - CL around fractures EP in fractures							
				5 - dikes 389.90 - 390.00 - for mafic dyke, non magnetic							
				20 - frac set 45 - frac set 55 - QZ offset by frac. 390.00 - 392.44 - heterogeneous alt'n local bleaching, EP alt'n, CL patches, weak HE. of FD phenocrysts strongly fract'd rock							
				40 - gougy frac. 392.44 - 393.75 - for dark green mafic dyke weak CA veining							
400				393.80 - 395.48 - very broken core, patchy bleaching w/ EP-HE assoc'd. - MS on fracs, groundmass							
				395.48 END OF HOLE							

	MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES			SAMPLE NUMBER	ASSAYS				WHOLE ROCK
			FROM	TO	WIDTH		Au	Cu	Pb	Zn	
360	360.20 - 377.75 - nil to trace PY										
											118943
370											
	377.75 - 379.00 - trace very fine PY in ground mass of tuff		377.75	379.00	1.25	942909	<5	11	4	16	
380	379.00 - 387.54 - tr PY, CP, as fine blebs, xtls, assoc'd w/ CL and QZ-CL veining.										118944
			384.61	385.90	1.29	910	<5	14	<2	16	
390	387.54 - 395.48 nil to trace PY, occurs as extremely fine, scattered disseminations										118945
400											



HOLE: DR96-07

	FROM	TO	WIDTH	TOTAL CORE	CORE RECOVERY	TOTAL > 10 cm	RQD
	4.57	4.88	.31	.24	77	0	0
	4.88	7.92	3.04	1.68	55	.66	22
	7.92	10.97	3.05	2.44	80	.76	25
	10.97	14.02	3.05	2.70	89	1.41	46
	14.02	16.61	2.59	1.79	69	.42	16
	16.61	18.90	2.29	1.88	82	.62	27
	18.90	20.12	1.22	1.02	84	.35	29
	20.12	21.95	1.83	1.40	77	.73	40
	21.95	23.16	1.21	1.45	120	.64	53
	23.16	26.21	3.05	2.60	85	1.08	35
	26.21	28.96	2.75	2.42	88	.81	29
	28.96	32.00	3.04	2.79	92	1.80	59
	32.00	33.83	1.83	1.66	91	.60	33
	33.83	35.05	1.22	.65	53	0	0
	<del>35.05</del>	<del>36.58</del>	<del>1.53</del>	<del>.90</del>	<del>59</del>	<del>.12</del>	<del>8</del>
	<del>36.58</del>	<del>37.19</del>	<del>.61</del>	<del>.38</del>	<del>62</del>	<del>0</del>	<del>0</del>
	37.19	38.40	1.21	1.21	100	.44	36
	<del>38.40</del>	<del>40.23</del>	<del>1.83</del>	<del>1.65</del>	<del>90</del>	<del>.71</del>	<del>39</del>
	<del>40.23</del>	<del>41.45</del>	<del>1.22</del>	<del>1.13</del>	<del>93</del>	<del>.94</del>	<del>83</del>
	41.45	43.74	2.29	1.78	78	.56	24
	43.74	46.94	3.20	2.83	88	1.31	41
	46.94	48.77	1.83	1.81	99	1.43	78
	48.77	50.60	1.83	1.80	98	1.31	72
	50.60	53.64	3.04	2.73	90	1.57	52
	53.64	54.86	1.22	.87	71	.12	10
	54.86	56.69	1.83	1.39	76	.27	15
	56.69	58.52	1.83	1.42	78	.58	32
	58.52	61.72	3.20	2.94	92	2.11	66
	61.72	63.86	2.14	1.84	86	.62	29
	63.86	65.53	1.67	1.49	89	.47	28
	65.53	68.12	2.59	2.22	86	.93	36
	68.12	71.32	3.20	3.01	94	1.55	48

HOLE: DR 96-07

	FROM	TO	WIDTH	TOTAL CORE	CORE RECOVERY	TOTAL > 10 CM	ROD
	71.32	71.93	.61	.67	110	.32	52
	71.93	74.98	3.05	2.87	94	1.35	44
	74.98	76.20	1.22	.77	63	.35	29
	76.20	77.11	.91	1.02	112	.68	75
	77.11	78.03	.92	1.10	120	.32	35
	78.03	78.64	.61	.68	111	.16	26
	78.64	81.08	2.44	2.35	96	1.97	81
	81.08	82.60	1.52	1.00	66	.58	38
	82.60	84.12	1.52	1.12	74	.11	7
	84.12	87.17	3.05	2.58	85	.52	17
	87.17	90.22	3.05	2.94	96	1.63	53
	90.22	93.27	3.05	2.96	97	2.57	84
	93.27	96.32	3.05	2.70	89	1.03	34
	96.32	99.36	3.04	2.92	96	2.13	70
	99.36	102.41	3.05	2.95	97	2.27	74
	102.41	105.46	3.05	2.91	95	2.22	73
	105.46	108.51	3.05	2.94	96	2.14	70
	108.51	111.56	3.05	2.88	94	2.03	70
	111.56	114.60	3.04	2.97	98	2.53	83
	114.60	116.89	2.29	2.13	93	1.34	59
	116.89	117.65	.76	.84	1.11	.72	95
	117.65	120.70	3.05	2.83	93	1.93	63
	120.70	123.75	3.05	3.01	99	2.64	87
	123.75	126.80	3.05	3.03	99	2.57	84
	126.80	128.93	2.13	1.99	93	1.48	69
	128.93	129.54	.61	.55	90	.23	38
	129.54	131.67	2.13	1.91	90	.91	43
	131.67	132.59	.92	.80	87	.23	25
	132.59	135.64	3.05	3.04	100	2.40	79
	135.64	136.55	.91	.85	93	0	0

HOLE: DR96-07

	FROM	TO	WIDTH	TOTAL CORE	CORE RECOVERY	TOTAL > 10 cm	RQD
	136.55	138.38	1.83	154	84	.89	49
	138.38	141.43	3.05	2.90	95	2.45	80
	141.43	143.26	1.83	1.63	89	1.06	58
	143.26	145.08	1.82	2.08	114	1.73	95
	145.08	148.13	3.05	2.90	95	1.97	65
	148.13	149.96	1.83	1.67	91	.82	45
	149.96	153.16	3.20	3.03	95	2.51	78
	153.16	154.23	1.07	.95	89	.56	52
	154.23	157.28	3.05	2.97	97	2.33	76
	157.28	160.32	3.04	3.03	100	2.46	81
	160.32	163.37	3.05	3.06	100	2.87	94
	163.37	166.42	3.05	3.04	100	2.87	94
	166.42	169.47	3.05	3.01	99	2.60	85
	169.47	172.52	3.05	3.03	99	2.56	84
	172.52	175.56	3.04	2.99	98	2.31	76
	175.56	178.61	3.05	3.08	101	2.52	83
	178.61	180.75	2.14	2.07	97	1.86	87
	180.75	181.66	.91	.84	92	.62	68
	181.66	184.71	3.05	3.09	101	2.99	98
	184.71	187.15	2.44	2.13	87	1.49	61
	187.15	190.20	3.05	3.09	1.01	2.59	85
	190.20	190.80	.60	.52	87	.46	77
	190.80	192.63	1.83	1.94	106	1.24	68
	192.63	193.85	1.22	1.17	96	.88	72
	193.85	196.90	3.05	2.95	97	2.77	91
	196.90	199.95	3.05	3.05	100	2.43	80
	199.95	203.00	3.05	2.72	89	1.73	57
	203.00	206.04	3.04	2.92	96	2.63	87
	206.04	209.09	3.05	2.96	97	2.46	81
	209.09	212.14	3.05	2.95	97	2.32	76

HOLE: DR96-07

	FROM	TO	WIDTH	TOTAL CORE	CORE RECOVERY	TOTAL > 10 cm	ROD
	212.14	215.19	3.05	3.02	99	2.81	92
	215.19	218.24	3.05	2.98	98	2.80	92
	218.24	221.28	3.04	2.96	97	2.63	87
	221.28	224.33	3.05	2.99	98	2.19	72
	224.33	226.47	2.14	2.03	95	.84	39
	226.47	228.90	2.43	2.47	102	2.25	93
	228.90	230.43	1.53	1.34	88	.77	50
	230.43	232.87	2.44	2.19	90	1.95	80
	232.87	233.48	.61	.68	1.11	.30	49
	233.48	236.52	3.04	3.01	99	2.45	81
	236.52	239.27	2.75	2.59	94	1.68	61
	239.27	239.57	.30	.41	137	.41	73
	239.57	240.18	.61	.66	108	.38	68
	240.18	242.62	2.44	2.39	98	2.25	92
	242.62	245.67	3.05	3.01	99	2.73	90
	245.67	248.72	3.05	3.01	99	2.91	95
	248.72	251.76	3.04	2.99	98	2.64	87
	251.76	253.29	1.53	1.36	89	0	0
	253.29	255.73	2.44	2.24	92	1.43	59
	255.73	257.71	1.98	1.46	74	.81	41
	257.71	260.76	3.05	2.97	97	2.26	74
	260.76	263.96	3.20	3.11	97	3.05	95
	263.96	267.00	3.04	2.96	97	2.89	95
	267.00	270.05	3.05	3.03	99	2.96	97
	270.05	273.10	3.05	2.88	94	2.36	77
	273.10	276.15	3.05	3.05	100	2.60	85
	276.15	279.20	3.05	3.02	99	2.77	91
	279.20	282.24	3.04	3.00	99	2.45	81
	282.24	284.68	2.44	2.40	98	1.82	75
	284.68	285.29	.61	.66	108	.56	92



HOLE: DR96-07

	FROM	TO	WIDTH	TOTAL CORE	CORE RECOVERY	TOTAL > 10 cm	RQD
	285.29	288.34	3.05	2.72	89	1.88	62
	288.34	291.39	3.05	3.00	98	2.63	86
	291.39	294.44	3.05	2.65	87	1.59	52
	294.44	297.48	3.04	3.04	100	2.22	73
	297.48	300.08	2.60	2.35	90	1.53	59
	300.08	303.28	3.20	3.00	94	1.87	58
	303.28	306.32	3.04	3.13	103	2.19	72
	306.32	309.52	3.20	3.02	94	2.37	74
	309.52	312.12	2.60	2.53	97	2.14	82
	312.12	315.16	3.04	2.98	98	1.94	64
	315.16	318.36	3.20	3.12	98	3.01	94
	318.36	321.56	3.20	3.03	95	2.29	72
	321.56	324.61	3.05	3.13	103	2.92	96
	324.61	327.36	2.75	2.87	104	2.10	76
	327.36	328.57	1.21	1.12	93	.82	68
	328.57	329.18	.61	.47	77	.21	34
	329.18	331.01	1.83	1.52	83	1.24	68
	331.01	334.06	3.05	3.07	101	1.52	50
	334.06	337.11	3.05	3.06	100	3.06	100
	337.11	340.16	3.05	2.93	96	2.77	91
	340.16	341.99	1.83	1.10	60	.53	29
	341.99	342.29	.30	.30	100	0	0
	342.29	344.22	1.93	1.93	100	.69	36
	344.22	347.47	3.05	2.83	93	1.30	43
	347.47	348.69	1.22	.93	76	.11	9
	348.69	350.22	1.53	1.18	77	.51	33
	350.22	351.13	.91	.58	64	.10	11
	351.13	354.18	3.05	2.76	90	.91	30
	354.18	357.23	3.05	2.70	89	1.57	51
	357.23	360.43	3.20	2.96	93	2.26	71



**APPENDIX C**

**GEOCHEMICAL RESULTS, WHOLE ROCK ANALYSES**



# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers

212 Brooksbank Ave., North Vancouver  
British Columbia, Canada V7J 2C1  
PHONE: 604-984-0221 FAX: 604-984-0218

To: WESTMIN RESOURCES LTD.

P.O. BOX 49066, THE BENTALL CENTRE  
VANCOUVER, BC  
V7X 1C4

A9639457

Comments: ATTN:M.JONES

**CERTIFICATE**

**A9639457**

(GP) - WESTMIN RESOURCES LTD.

Project: 6004  
P.O. #:

Samples submitted to our lab in Vancouver, BC.  
This report was printed on 25-NOV-96.

## SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
299	45	Pulp; prepped on other workorder

## ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
902	45	Al2O3 %: XRF	XRF	0.01	100.00
906	45	CaO %: XRF	XRF	0.01	100.00
2590	45	Cr2O3 %: XRF	XRF	0.01	100.00
903	45	Fe2O3 %: XRF	XRF	0.01	100.00
908	45	K2O %: XRF	XRF	0.01	100.00
905	45	MgO %: XRF	XRF	0.01	100.00
1989	45	MnO %: XRF	XRF	0.01	100.00
907	45	Na2O %: XRF	XRF	0.01	100.00
909	45	P2O5 %: XRF	XRF	0.01	100.00
901	45	S1O2 %: XRF	XRF	0.01	100.00
904	45	TiO2 %: XRF	XRF	0.01	100.00
910	45	LOI %: XRF	XRF	0.01	100.00
2540	45	Total %	CALCULATION	0.01	105.00
2891	45	Ba ppm: XRF	XRF	5	50000
2067	45	Rb ppm: XRF	XRF	2	50000
2898	45	Sr ppm: XRF	XRF	2	50000
2973	45	Nb ppm: XRF	XRF	2	50000
2978	45	Zr ppm: XRF	XRF	3	50000
2974	45	Y ppm: XRF	XRF	2	50000



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Project: 6004  
 Comments: ATTN:M.JONES

QC Page #: 1  
 Tot QC Pg: 1  
 Date: 25-NOV-96  
 Invoice #: 19639457  
 P.O. #: GP

## QC DATA OF CERTIFICATE A9639457

STD/DUP/BLANK DESCRIPTION	QC PAGE TYPE NO.	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
BLANK	Blnk 1	0.33	0.05	< 0.01	< 0.01	0.03	< 0.01	0.01	< 0.01	< 0.01	0.24	0.01	0.01	0.68	-----	-----	-----	-----	-----	-----
CHEMEX MEAN	----	0.30	0.05	-----	< 0.01	0.03	< 0.01	< 0.01	0.07	0.01	0.19	< 0.01	< 0.01	0.70	-----	-----	-----	-----	-----	-----
GEO-96	Std1 1	14.38	3.11	< 0.01	7.44	2.38	1.69	0.15	1.09	0.15	59.60	0.71	8.32	99.02	-----	-----	-----	-----	-----	-----
GEO-96	Std2 1	14.38	3.07	< 0.01	7.37	2.40	1.69	0.15	1.10	0.16	59.87	0.71	8.37	99.27	-----	-----	-----	-----	-----	-----
CHEMEX MEAN	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SiO2-1	Blnk 1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	5	2	4	< 2	3	< 2
CHEMEX MEAN	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	< 5	< 2	< 2	< 2	< 3	< 2
SY-3	Std2 1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	455	212	312	194	318	720
CHEMEX MEAN	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	450	206	302	190	320	720
SY-4	Std1 1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	350	56	1145	12	516	120
CHEMEX MEAN	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	340	55	1190	13	517	120
118834	Dupl-01	15.82	0.73	< 0.01	4.64	4.56	0.68	0.08	0.21	0.29	67.12	0.91	3.44	98.48	475	150	30	8	147	16
	Orig-01	15.80	0.76	< 0.01	4.66	4.56	0.68	0.08	0.22	0.29	66.97	0.90	3.50	98.42	485	144	30	6	147	16



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Page Number :1  
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Certificate Date: 25-NOV-96  
Invoice No. : I9639457  
P.O. Number :  
Account : GP

## CERTIFICATE OF ANALYSIS

### A9639457

SAMPLE	PREP		Al2O3 %	CaO %	Cr2O3 %	Fe2O3 %	K2O %	MgO %	MnO %	Na2O %	P2O5 %	SiO2 %	TiO2 %	LOI %	TOTAL %	Ba ppm	Rb ppm	Sr ppm	Nb ppm	Zr ppm	Y ppm
	CODE		XRF	XRF	XRF	XRF	XRF	XRF	XRF	XRF	XRF	XRF	XRF	XRF	%						
118834	299	--	15.80	0.76	< 0.01	4.66	4.56	0.68	0.08	0.22	0.29	66.97	0.90	3.50	98.42	485	144	30	6	147	16
118851	299	--	14.22	1.63	< 0.01	2.41	3.37	1.47	0.09	2.20	0.06	70.22	0.32	2.38	98.37	1330	68	162	6	156	16
118852	299	--	13.29	2.18	< 0.01	1.91	3.45	0.74	0.06	1.64	0.06	71.99	0.28	3.43	99.03	855	78	108	6	129	14
118853	299	--	13.81	1.81	< 0.01	2.41	2.86	1.07	0.09	2.91	0.07	71.83	0.34	1.86	99.06	1085	60	240	6	144	14
118854	299	--	14.07	2.59	< 0.01	3.81	2.36	2.13	0.14	2.66	0.09	67.52	0.45	2.80	98.62	1260	56	196	6	147	16
118855	299	--	14.09	2.73	< 0.01	4.21	2.07	1.90	0.13	3.14	0.10	66.78	0.52	2.48	98.15	885	44	208	6	132	20
118856	299	--	15.74	2.83	< 0.01	3.20	2.61	1.69	0.12	3.47	0.11	66.45	0.49	2.48	99.19	1795	52	286	6	201	18
118857	299	--	13.07	2.24	< 0.01	3.20	2.59	1.31	0.11	3.03	0.10	70.29	0.42	2.52	98.88	1190	56	336	6	192	18
118858	299	--	13.90	2.10	< 0.01	4.21	2.91	1.54	0.12	3.25	0.13	66.77	0.58	3.32	98.83	1275	56	294	6	132	20
118859	299	--	13.12	1.50	< 0.01	3.06	2.96	1.23	0.09	2.62	0.08	71.52	0.37	2.64	99.19	875	62	192	6	135	16
118860	299	--	14.39	2.33	< 0.01	3.82	2.70	1.52	0.12	2.99	0.08	67.99	0.47	2.40	98.81	730	52	194	6	141	18
118861	299	--	15.67	5.15	< 0.01	5.98	2.17	3.87	0.26	1.36	0.12	60.20	0.56	3.05	98.39	925	50	256	4	138	18
118862	299	--	14.50	2.75	< 0.01	3.22	2.85	1.21	0.09	2.54	0.09	70.00	0.41	1.48	99.14	800	58	168	6	144	16
118863	299	--	15.56	2.68	< 0.01	6.54	1.90	2.26	0.15	3.01	0.14	62.86	0.75	2.77	98.62	635	42	206	4	111	22
118864	299	--	14.87	1.94	< 0.01	3.52	3.13	1.33	0.10	3.34	0.10	67.90	0.43	2.60	99.26	1250	62	250	6	144	16
118865	299	--	13.03	3.76	< 0.01	2.23	2.82	0.58	0.07	1.87	0.07	70.01	0.30	4.83	99.57	475	62	106	4	159	14
118866	299	--	14.35	2.23	< 0.01	2.46	2.72	0.74	0.07	3.48	0.07	69.65	0.35	2.80	98.92	825	62	210	6	177	16
118867	299	--	12.96	2.67	< 0.01	2.01	2.38	0.70	0.09	3.19	0.06	72.00	0.31	1.91	98.28	780	60	264	4	174	16
118868	299	--	14.11	2.30	< 0.01	2.93	2.97	0.96	0.10	2.96	0.08	69.25	0.38	2.52	98.56	885	62	244	4	189	14
118869	299	--	12.77	1.28	< 0.01	2.28	3.15	0.62	0.05	2.26	0.07	73.86	0.31	2.41	99.06	880	76	162	4	183	16
118870	299	--	15.49	2.21	< 0.01	2.53	3.32	0.80	0.09	3.99	0.08	67.88	0.39	1.83	98.61	1160	62	238	6	204	14
118871	299	--	18.37	8.81	< 0.01	9.46	0.70	3.08	0.25	3.77	0.42	51.40	0.77	1.59	98.62	230	18	908	4	75	22
118872	299	--	14.31	1.31	< 0.01	2.62	3.65	0.64	0.05	1.52	0.08	71.69	0.36	2.22	98.45	1075	88	126	6	210	18
118873	299	--	15.37	2.55	< 0.01	3.63	2.99	0.90	0.08	2.50	0.11	67.96	0.43	2.02	98.54	895	64	192	4	189	16
118874	299	--	16.14	1.78	< 0.01	3.27	3.79	1.45	0.11	1.76	0.10	67.16	0.47	2.58	98.61	1155	78	176	4	222	18
118875	299	--	15.26	2.42	< 0.01	3.01	2.97	0.87	0.08	2.83	0.10	70.02	0.43	1.75	99.74	1000	58	186	6	204	18
118876	299	--	14.40	1.78	< 0.01	2.86	3.26	0.95	0.07	2.46	0.07	70.09	0.41	2.32	98.67	1070	72	178	6	207	18
118877	299	--	15.14	2.25	< 0.01	3.25	3.50	1.25	0.10	2.93	0.11	67.26	0.48	1.88	98.15	800	70	192	4	195	18
118878	299	--	14.10	4.28	< 0.01	2.99	1.67	0.76	0.11	2.51	0.09	70.82	0.41	1.46	99.20	555	32	238	6	204	22
118879	299	--	14.59	2.16	< 0.01	3.20	4.90	1.85	0.17	0.57	0.10	68.50	0.47	2.14	98.65	985	130	80	6	177	20
118880	299	--	13.41	1.96	< 0.01	2.14	3.02	0.94	0.07	2.28	0.05	73.78	0.40	1.03	99.08	935	76	126	28	546	78
118881	299	--	13.59	1.54	< 0.01	2.11	2.37	0.70	0.08	3.50	0.06	73.69	0.42	0.99	99.05	610	58	94	30	576	80
118882	299	--	12.96	1.19	< 0.01	2.02	2.17	0.71	0.06	3.14	0.04	74.07	0.40	1.35	98.11	490	58	114	26	552	76
118883	299	--	13.70	2.11	< 0.01	3.43	4.09	1.45	0.13	0.71	0.09	69.76	0.61	2.32	98.40	1090	100	96	20	399	60
118884	299	--	14.65	1.49	< 0.01	3.55	5.68	0.65	0.08	0.30	0.10	68.63	0.47	2.71	98.31	1745	144	136	6	141	18
118885	299	--	14.85	2.07	< 0.01	3.84	4.73	0.97	0.11	0.29	0.11	68.32	0.51	3.27	99.07	930	118	112	6	132	18
118886	299	--	14.03	1.93	< 0.01	5.24	3.86	1.41	0.31	0.53	0.11	67.42	0.57	3.65	99.06	495	58	138	2	57	10
118887	299	--	16.48	0.36	< 0.01	5.58	5.08	0.94	0.06	0.06	0.15	65.59	0.67	4.53	99.50	880	136	34	6	135	96
118888	299	--	15.83	0.51	< 0.01	3.68	4.92	0.67	0.05	0.03	0.16	68.22	0.67	4.10	98.84	795	138	36	6	189	22
118889	299	--	16.91	5.73	< 0.01	7.55	2.00	2.93	0.22	2.47	0.26	54.89	0.79	4.79	98.54	730	58	368	4	99	20



# Chemex Labs Ltd.

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 PHONE: 604-984-0221 FAX: 604-984-0218

To: WESTMIN RESOURCES LTD.

P.O. BOX 49066, THE BENTALL CENTRE  
 VANCOUVER, BC  
 V7X 1C4

Project : 6004  
 Comments: ATTN:M.JONES

Page Number :2  
 Total Pages :2  
 Certificate Date: 25-NOV-96  
 Invoice No. : 19639457  
 P.O. Number :  
 Account : GP

## CERTIFICATE OF ANALYSIS

### A9639457

SAMPLE	PREP CODE	Al2O3 %	CaO %	Cr2O3 %	Fe2O3 %	K2O %	MgO %	MnO %	Na2O %	P2O5 %	SiO2 %	TiO2 %	LOI %	TOTAL %	Ba ppm	Rb ppm	Sr ppm	Nb ppm	Zr ppm	Y ppm
		XRF	XRF	XRF	XRF	XRF	XRF	XRF	XRF	XRF	XRF	XRF	XRF	XRF	%					
118890	299 --	14.05	0.40	< 0.01	4.27	4.10	0.93	0.07	0.15	0.10	70.37	0.49	4.08	99.01	780	122	36	4	153	22
118891	299 --	13.40	0.65	< 0.01	4.05	4.09	0.96	0.06	< 0.01	0.15	70.81	0.63	3.92	98.72	670	116	40	4	150	20
118892	299 --	14.39	1.02	< 0.01	4.88	4.17	0.88	0.11	0.08	0.14	68.27	0.60	4.92	99.46	600	126	42	4	129	20
118893	299 --	18.22	5.76	< 0.01	8.56	0.86	3.35	0.35	2.53	0.25	54.67	0.82	3.47	98.84	435	26	374	2	72	22
118894	299 --	17.79	5.17	< 0.01	7.89	1.64	3.31	0.26	2.41	0.27	55.99	0.83	3.57	99.13	285	52	240	2	75	22



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VANCOUVER, BC  
V7X 1C4

A9639456

Comments: ATTN:M.JONES

**CERTIFICATE**

**A9639456**

(GP) - WESTMIN RESOURCES LTD.

Project: 6004  
P.O.#:

Samples submitted to our lab in Vancouver, BC.  
This report was printed on 14-NOV-96.

## SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	45	Geochem ring to approx 150 mesh
226	45	0-3 Kg crush and split
3202	45	Rock - save entire reject
229	45	ICP - AQ Digestion charge

## ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	1	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
2118	45	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	100.0
2120	45	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2123	45	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2128	45	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2131	45	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2136	45	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2140	45	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	45	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2149	45	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000





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 VANCOUVER, BC  
 V7X 1C4

Project: 6004  
 Comments: ATTN:M.JONES

QC Page #: 1  
 Tot QC Pg: 1  
 Date: 14-NOV-96  
 Invoice #: I9639456  
 P.O. #: GP

## QC DATA OF CERTIFICATE

A9639456

STD/DUP/BLANK DESCRIPTION	QC TYPE	PAGE NO.	Au ppb FA+AA	Ag ppm	As ppm	Bi ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Zn ppm
G96-1GM	Std1	1	-----	5.8	64	4	181	< 1	9	124	2	188
G96-1GM	Std2	1	-----	4.8	62	6	172	< 1	8	116	2	178
CHEMEX MEAN	---	---	-----	4.4	64	< 2	177	< 1	9	120	< 2	186
SIO2-B3	Blnk	1	-----	< 0.2	< 2	< 2	1	< 1	< 1	2	< 2	< 2
CHEMEX MEAN	---	---	-----	< 0.2	< 2	< 2	1	< 1	< 1	< 2	< 2	< 2
118834	Dup1	01	-----	1.4	4	2	54	< 1	3	124	< 2	288
	Orig1	01	20	1.4	2	2	55	< 1	4	126	< 2	290



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VANCOUVER, BC  
V7X 1C4

Project : 6004  
Comments: ATTN:M.JONES

Page Number : 1  
Total Pages : 2  
Certificate Date: 14-NOV-96  
Invoice No. : I9639456  
P.O. Number :  
Account : GP

## CERTIFICATE OF ANALYSIS A9639456

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	As ppm	Bi ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Zn ppm
118834	205 226	20	1.4	< 2	2	55	< 1	4	126	< 2	290
118851	205 226	-----	< 0.2	< 2	2	7	< 1	1	4	< 2	40
118852	205 226	-----	< 0.2	< 2	< 2	9	< 1	1	8	< 2	22
118853	205 226	-----	< 0.2	< 2	2	9	< 1	1	2	< 2	36
118854	205 226	-----	< 0.2	< 2	2	13	< 1	< 1	< 2	< 2	66
118855	205 226	-----	< 0.2	< 2	2	28	< 1	1	< 2	< 2	60
118856	205 226	-----	< 0.2	< 2	2	8	< 1	1	2	< 2	66
118857	205 226	-----	< 0.2	< 2	6	14	< 1	5	6	< 2	60
118858	205 226	-----	0.2	< 2	2	25	< 1	2	14	< 2	88
118859	205 226	-----	< 0.2	< 2	< 2	19	< 1	4	8	< 2	42
118860	205 226	-----	< 0.2	< 2	< 2	24	< 1	2	14	< 2	58
118861	205 226	-----	< 0.2	< 2	< 2	56	< 1	2	40	< 2	206
118862	205 226	-----	< 0.2	< 2	< 2	12	< 1	3	8	< 2	44
118863	205 226	-----	0.2	< 2	< 2	20	< 1	2	10	< 2	102
118864	205 226	-----	< 0.2	< 2	< 2	15	< 1	4	6	< 2	50
118865	205 226	-----	< 0.2	6	2	14	< 1	1	12	< 2	26
118866	205 226	-----	< 0.2	18	< 2	15	< 1	3	8	< 2	36
118867	205 226	-----	< 0.2	< 2	< 2	11	< 1	2	4	< 2	36
118868	205 226	-----	< 0.2	< 2	< 2	14	< 1	1	2	< 2	38
118869	205 226	-----	< 0.2	< 2	< 2	5	< 1	4	6	< 2	20
118870	205 226	-----	< 0.2	< 2	< 2	15	< 1	4	14	< 2	56
118871	205 226	-----	< 0.2	< 2	2	20	< 1	1	6	< 2	48
118872	205 226	-----	< 0.2	< 2	< 2	4	< 1	3	< 2	< 2	32
118873	205 226	-----	< 0.2	< 2	< 2	19	< 1	8	2	< 2	66
118874	205 226	-----	< 0.2	18	< 2	12	< 1	4	2	< 2	54
118875	205 226	-----	< 0.2	< 2	< 2	9	< 1	1	< 2	< 2	46
118876	205 226	-----	< 0.2	< 2	< 2	12	< 1	3	2	< 2	38
118877	205 226	-----	< 0.2	< 2	2	10	< 1	2	< 2	< 2	54
118878	205 226	-----	< 0.2	< 2	< 2	12	< 1	2	2	< 2	46
118879	205 226	-----	< 0.2	< 2	2	2	< 1	1	< 2	< 2	52
118880	205 226	-----	< 0.2	< 2	2	< 1	< 1	1	< 2	< 2	70
118881	205 226	-----	< 0.2	< 2	< 2	1	< 1	3	< 2	< 2	88
118882	205 226	-----	< 0.2	< 2	< 2	1	< 1	3	4	< 2	60
118883	205 226	-----	< 0.2	< 2	< 2	3	< 1	2	< 2	< 2	86
118884	205 226	-----	< 0.2	< 2	2	24	< 1	1	2	< 2	40
118885	205 226	-----	< 0.2	< 2	2	22	< 1	3	2	< 2	32
118886	205 226	-----	1.2	2	2	47	< 1	10	14	< 2	104
118887	205 226	-----	0.6	12	2	58	< 1	6	8	< 2	22
118888	205 226	-----	0.4	< 2	< 2	17	< 1	26	20	< 2	596
118889	205 226	-----	0.8	< 2	2	64	< 1	1	44	< 2	170



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To: WESTMIN RESOURCES LTD.

P.O. BOX 49066, THE BENTALL CENTRE  
 VANCOUVER, BC  
 V7X 1C4

Project : 6004  
 Comments: ATTN:M.JONES

Page Number :2  
 Total Pages :2  
 Certificate Date: 14-NOV-96  
 Invoice No. :19639456  
 P.O. Number :  
 Account :GP

CERTIFICATE OF ANALYSIS	A9639456
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SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	As ppm	Bi ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Zn ppm
118890	205 226	-----	1.0	< 2	< 2	34	< 1	11	50	< 2	370
118891	205 226	-----	0.8	< 2	2	34	< 1	5	26	< 2	58
118892	205 226	-----	1.8	< 2	2	31	< 1	7	74	< 2	68
118893	205 226	-----	0.6	< 2	6	64	< 1	< 1	2	< 2	84
118894	205 226	-----	< 0.2	< 2	< 2	48	< 1	3	12	< 2	106



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A9640605

Comments: ATTN: M. JONES

**CERTIFICATE**

**A9640605**

(GP) - WESTMIN RESOURCES LTD.

Project: 6004  
 P.O. #:

Samples submitted to our lab in Vancouver, BC.  
 This report was printed on 8-DEC-96.

### SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
208	24	Assay ring to approx 150 mesh
226	24	0-3 Kg crush and split
3202	24	Rock - save entire reject
229	24	ICP - AQ Digestion charge

### ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
2118	24	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	100.0
2120	24	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2123	24	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2128	24	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2131	24	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2136	24	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2140	24	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	24	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2149	24	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000
902	24	Al2O3 %: XRF	XRF	0.01	100.00
906	24	CaO %: XRF	XRF	0.01	100.00
2590	24	Cr2O3 %: XRF	XRF	0.01	100.00
903	24	Fe2O3 %: XRF	XRF	0.01	100.00
908	24	K2O %: XRF	XRF	0.01	100.00
905	24	MgO %: XRF	XRF	0.01	100.00
1989	24	MnO %: XRF	XRF	0.01	100.00
907	24	Na2O %: XRF	XRF	0.01	100.00
909	24	P2O5 %: XRF	XRF	0.01	100.00
901	24	SiO2 %: XRF	XRF	0.01	100.00
904	24	TiO2 %: XRF	XRF	0.01	100.00
910	24	LOI %: XRF	XRF	0.01	100.00
2540	24	Total %	CALCULATION	0.01	105.00
2891	24	Ba ppm: XRF	XRF	5	50000
2067	24	Rb ppm: XRF	XRF	2	50000
2898	24	Sr ppm: XRF	XRF	2	50000
2973	24	Nb ppm: XRF	XRF	2	50000
2978	24	Zr ppm: XRF	XRF	3	50000
2974	24	Y ppm: XRF	XRF	2	50000



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To: WESTMIN RESOURCES LTD.

P.O. BOX 49066, THE BENTALL CENTRE  
 VANCOUVER, BC  
 V7X 1C4

Project: 6004  
 Comments: ATTN: M. JONES

QC Page #: 1-A  
 Tot QC Pg: 1  
 Date: 08-DEC-96  
 Invoice #: I9640605  
 P.O. #: GP

## QC DATA OF CERTIFICATE A9640605

STD/DUP/BLANK DESCRIPTION	QC TYPE	PAGE NO.	Ag ppm	As ppm	Bi ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Zn ppm	Al2O3 % XRF	CaO % XRF	Cr2O3 % XRF	Fe2O3 % XRF	K2O % XRF
G96-1GM CHEMEX MEAN	Std1	1	3.6	64	< 2	175	< 1	8	114	2	176	-----	-----	-----	-----	-----
	---	---	4.4	64	< 2	177	< 1	9	120	< 2	186	-----	-----	-----	-----	-----
GEO-96 CHEMEX MEAN	Std1	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	14.48	3.13	< 0.01	7.39	2.42
	---	---	-----	-----	-----	-----	-----	-----	-----	-----	-----	14.41	3.07	-----	7.38	2.37
118895	Dupl	1-01	< 0.2	< 2	< 2	20	< 1	< 1	< 2	< 2	86	11.49	1.74	< 0.01	3.42	6.72
	Origl	1-01	< 0.2	< 2	< 2	21	< 1	< 1	< 2	< 2	86	11.44	1.71	< 0.01	3.38	6.66



# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers  
 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
 PHONE: 604-984-0221 FAX: 604-984-0218

To: WESTMIN RESOURCES LTD.

P.O. BOX 49066, THE BENTALL CENTRE  
 VANCOUVER, BC  
 V7X 1C4

Project: 6004  
 Comments: ATTN: M. JONES

QC Page #: 1-B  
 Tot QC Pg: 1  
 Date: 08-DEC-96  
 Invoice #: I9640605  
 P.O. #: GP

## QC DATA OF CERTIFICATE

A9640605

STD/DUP/BLANK DESCRIPTION	QC TYPE	PAGE NO.	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
G96-1GM CHEMEX MEAN	Std1	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
GEO-96 CHEMEX MEAN	Std1	1	1.70	0.15	1.09	0.15	59.76	0.70	8.39	99.36	-----	-----	-----	-----	-----	-----
	---	---	1.69	0.15	1.11	0.15	59.98	0.71	8.37	100.00	-----	-----	-----	-----	-----	-----
118895	Dup1	01	0.86	0.04	1.23	0.04	72.33	0.28	0.74	98.89	-----	-----	-----	-----	-----	-----
	Orig1	01	0.86	0.04	1.18	0.03	72.25	0.28	0.81	98.64	575	92	76	22	606	58



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Page Number :1-A  
 Total Pages :1  
 Certificate Date: 08-DEC-96  
 Invoice No. :19640605  
 P.O. Number :  
 Account :GP

## CERTIFICATE OF ANALYSIS A9640605

SAMPLE	PREP CODE	Ag ppm	As ppm	Bi ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Zn ppm	Al2O3 % XRF	CaO % XRF	Cr2O3 % XRF	Fe2O3 % XRF	K2O % XRF
118895	208 226	< 0.2	< 2	< 2	21	< 1	< 1	< 2	< 2	86	11.44	1.71	< 0.01	3.38	6.66
118896	208 226	< 0.2	< 2	< 2	7	< 1	< 1	< 2	< 2	34	10.80	0.39	< 0.01	1.54	7.78
118897	208 226	< 0.2	8	< 2	13	< 1	< 1	< 2	< 2	78	11.34	0.44	< 0.01	2.04	6.53
118898	208 226	< 0.2	6	< 2	14	< 1	1	< 2	< 2	42	17.58	7.96	< 0.01	7.89	2.58
118899	208 226	< 0.2	6	< 2	6	< 1	< 1	4	< 2	68	17.63	4.54	< 0.01	4.32	2.91
118900	208 226	< 0.2	8	< 2	13	< 1	1	< 2	< 2	268	12.45	0.52	< 0.01	2.41	10.30
118901	208 226	< 0.2	2	< 2	1	< 1	< 1	2	< 2	198	10.14	1.51	< 0.01	3.49	7.32
118902	208 226	< 0.2	< 2	< 2	1	< 1	< 1	2	< 2	168	11.10	1.11	< 0.01	3.74	1.89
118903	208 226	< 0.2	< 2	< 2	28	< 1	< 1	2	< 2	114	18.43	5.62	0.01	12.51	3.66
118904	208 226	< 0.2	2	< 2	43	< 1	< 1	6	< 2	96	17.96	4.88	< 0.01	8.70	3.94
118905	208 226	< 0.2	< 2	< 2	98	< 1	1	< 2	< 2	54	17.01	4.72	< 0.01	8.91	1.50
118906	208 226	< 0.2	< 2	< 2	10	< 1	1	< 2	< 2	88	13.94	2.20	< 0.01	3.28	3.58
118907	208 226	0.2	2	< 2	89	< 1	16	< 2	< 2	14	10.86	0.20	< 0.01	3.62	3.37
118908	208 226	1.2	18	< 2	32	< 1	11	34	< 2	234	12.04	0.45	< 0.01	3.44	3.02
118909	208 226	0.4	6	2	137	< 1	1	4	< 2	30	16.91	0.39	< 0.01	6.68	5.12
118910	208 226	0.8	6	< 2	39	< 1	11	8	< 2	30	13.04	0.20	< 0.01	3.58	3.91
118911	208 226	< 0.2	< 2	< 2	33	< 1	1	< 2	< 2	52	17.69	3.19	< 0.01	5.06	4.70
118912	208 226	< 0.2	< 2	< 2	12	< 1	< 1	< 2	< 2	44	14.57	3.15	< 0.01	3.05	3.63
118913	208 226	< 0.2	< 2	< 2	10	< 1	< 1	2	< 2	68	15.94	3.71	< 0.01	4.71	3.87
118914	208 226	0.2	< 2	< 2	27	< 1	< 1	< 2	< 2	92	17.36	5.06	< 0.01	7.72	3.41
118915	208 226	< 0.2	2	< 2	110	< 1	< 1	< 2	< 2	84	18.46	5.76	< 0.01	8.28	2.84
118916	208 226	< 0.2	< 2	< 2	85	< 1	< 1	< 2	< 2	58	17.65	7.05	< 0.01	8.29	2.10
118917	208 226	< 0.2	2	< 2	15	< 1	2	< 2	< 2	76	18.05	6.40	< 0.01	8.43	3.10
118918	208 226	0.2	< 2	< 2	86	< 1	35	2	< 2	62	18.25	1.55	< 0.01	8.32	5.43



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To: WESTMIN RESOURCES LTD.

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V7X 1C4

Project: 6004  
Comments: ATTN: M. JONES

Page Number : 1-B  
Total Pages : 1  
Certificate Date: 08-DEC-96  
Invoice No. : 19640605  
P.O. Number :  
Account : GP

## CERTIFICATE OF ANALYSIS A9640605

SAMPLE	PREP CODE	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
118895	208 226	0.86	0.04	1.18	0.03	72.25	0.28	0.81	98.64	575	92	76	22	606	58
118896	208 226	0.06	0.03	0.99	0.03	77.35	0.18	0.50	99.65	620	112	52	28	687	78
118897	208 226	0.10	0.03	2.12	0.03	75.25	0.19	0.62	98.69	575	84	56	28	744	66
118898	208 226	5.15	0.17	2.95	0.31	51.74	0.92	2.01	99.26	655	72	438	6	108	16
118899	208 226	1.28	0.17	4.30	0.16	62.38	0.38	1.14	99.21	435	102	512	6	99	14
118900	208 226	0.22	0.03	0.22	0.04	71.89	0.25	0.72	99.05	1195	120	52	30	741	98
118901	208 226	0.77	0.07	0.20	0.01	74.77	0.18	0.71	99.17	990	94	62	26	651	74
118902	208 226	2.03	0.07	2.53	0.02	76.07	0.19	0.86	99.61	325	86	162	26	660	48
118903	208 226	6.16	0.25	0.68	0.26	45.97	1.56	3.54	98.65	750	116	124	6	111	22
118904	208 226	5.15	0.16	1.24	0.20	53.90	0.92	1.25	98.30	795	110	140	4	108	16
118905	208 226	5.54	0.24	4.15	0.20	54.42	0.99	1.57	99.25	380	40	244	4	96	16
118906	208 226	1.65	0.21	2.20	0.07	69.96	0.53	0.82	98.44	925	112	104	24	474	64
118907	208 226	0.40	0.02	0.09	0.10	77.18	0.40	2.38	98.62	565	84	16	4	102	12
118908	208 226	0.54	0.04	0.06	0.06	75.91	0.37	3.28	99.21	330	92	42	4	99	10
118909	208 226	1.82	0.08	0.12	0.18	59.34	0.75	7.26	98.65	770	134	16	2	135	12
118910	208 226	1.00	0.06	0.12	0.10	74.26	0.45	3.16	99.88	540	104	18	4	138	12
118911	208 226	1.29	0.13	2.01	0.18	63.25	0.75	1.81	100.06	940	106	114	6	174	18
118912	208 226	0.91	0.10	1.67	0.08	70.50	0.41	1.25	99.32	675	86	108	6	174	14
118913	208 226	1.41	0.14	1.93	0.21	65.10	0.84	1.19	99.05	610	86	112	6	195	26
118914	208 226	1.56	0.18	1.81	0.21	59.06	0.74	2.17	99.28	535	82	134	2	72	16
118915	208 226	2.94	0.18	2.44	0.29	55.40	0.83	2.10	99.52	535	94	224	2	81	18
118916	208 226	2.85	0.21	2.14	0.26	56.32	0.77	1.43	99.07	310	70	274	2	78	20
118917	208 226	2.80	0.22	1.67	0.26	54.27	0.79	2.60	98.59	405	112	208	2	75	20
118918	208 226	2.52	0.19	0.98	0.26	57.63	0.81	3.58	99.52	615	140	92	2	72	14





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To: WESTMIN RESOURCES LTD.

P.O. BOX 49066, THE BENTALL CENTRE  
VANCOUVER, BC  
V7X 1C4

A9641379

Comments: ATTN: M. JONES

**CERTIFICATE**

**A9641379**

(GP ) - WESTMIN RESOURCES LTD.

Project: 6004  
P.O.#:

Samples submitted to our lab in Vancouver, BC.  
This report was printed on 5-DEC-96.

## SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
299	27	Pulp; prepped on other workorder

## ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
902	27	Al2O3 %: XRF	XRF	0.01	100.00
906	27	CaO %: XRF	XRF	0.01	100.00
2590	27	Cr2O3 %: XRF	XRF	0.01	100.00
903	27	Fe2O3 %: XRF	XRF	0.01	100.00
908	27	K2O %: XRF	XRF	0.01	100.00
905	27	MgO %: XRF	XRF	0.01	100.00
1989	27	MnO %: XRF	XRF	0.01	100.00
907	27	Na2O %: XRF	XRF	0.01	100.00
909	27	P2O5 %: XRF	XRF	0.01	100.00
901	27	SiO2 %: XRF	XRF	0.01	100.00
904	27	TiO2 %: XRF	XRF	0.01	100.00
910	27	LOI %: XRF	XRF	0.01	100.00
2540	27	Total %	CALCULATION	0.01	105.00
2891	27	Ba ppm: XRF	XRF	5	50000
2067	27	Rb ppm: XRF	XRF	2	50000
2898	27	Sr ppm: XRF	XRF	2	50000
2973	27	Nb ppm: XRF	XRF	2	50000
2978	27	Zr ppm: XRF	XRF	3	50000
2974	27	Y ppm: XRF	XRF	2	50000



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 Date: 05-DEC-96  
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## QC DATA OF CERTIFICATE

A9641379

STD/DUP/BLANK DESCRIPTION	QC PAGE TYPE NO.	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
GEO-96	Std1 1	14.42	3.09	< 0.01	7.35	2.36	1.68	0.15	1.16	0.15	59.81	0.71	8.39	99.27	-----	-----	-----	-----	-----	-----
GEO-96	Std2 1	14.52	3.14	< 0.01	7.40	2.33	1.68	0.15	1.08	0.15	60.23	0.70	8.37	99.75	-----	-----	-----	-----	-----	-----
CHEMEX MEAN	-----	14.41	3.07	-----	7.38	2.37	1.69	0.15	1.11	0.15	59.98	0.71	8.37	100.00	-----	-----	-----	-----	-----	-----
SY-3	Std1 1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	450	216	314	170	336	700
CHEMEX MEAN	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	450	206	302	190	320	720
SY-4	Std2 1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	365	60	1200	14	615	130
CHEMEX MEAN	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	340	55	1190	13	517	120
118919	Dupl-01	13.30	2.32	< 0.01	1.72	2.52	0.32	0.05	3.75	0.05	73.05	0.24	2.73	100.05	530	58	126	6	162	18
	Origl-01	13.28	2.33	< 0.01	1.74	2.48	0.35	0.05	3.76	0.06	73.23	0.23	2.71	100.22	550	60	132	6	168	18



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SAMPLE	PREP CODE	Al2O3 %	CaO %	Cr2O3 %	Fe2O3 %	K2O %	MgO %	MnO %	Na2O %	P2O5 %	SiO2 %	TiO2 %	LOI %	TOTAL %	Ba ppm	Rb ppm	Sr ppm	Nb ppm	Zr ppm	Y ppm
		XRF	XRF	XRF	XRF	XRF	XRF	XRF	XRF	XRF	XRF	XRF	XRF	XRF	%	ppm	ppm	ppm	ppm	ppm
118919	299 --	13.28	2.33	< 0.01	1.74	2.48	0.35	0.05	3.76	0.06	73.23	0.23	2.71	100.22	550	60	132	6	168	18
118920	299 --	13.13	1.09	< 0.01	2.07	3.45	0.78	0.06	3.41	0.05	72.27	0.32	2.00	98.63	1015	84	90	6	228	20
118921	299 --	14.44	1.40	0.05	2.47	3.34	0.92	0.07	3.87	0.07	70.30	0.35	2.36	99.64	1030	80	168	6	237	22
118922	299 --	12.59	1.50	< 0.01	2.48	2.93	0.93	0.08	3.54	0.06	73.54	0.34	0.58	98.57	1015	74	202	4	228	18
118923	299 --	11.60	1.90	< 0.01	2.03	2.43	0.76	0.07	2.65	0.06	73.75	0.34	3.68	99.27	385	74	112	6	222	18
118924	299 --	13.27	1.67	< 0.01	2.71	2.83	1.06	0.09	3.81	0.08	72.89	0.39	0.87	99.67	1090	68	192	6	231	18
118925	299 --	13.82	1.57	< 0.01	2.55	3.06	0.92	0.08	4.20	0.07	71.83	0.36	0.69	99.15	1000	76	182	6	246	20
118926	299 --	14.75	1.84	< 0.01	2.47	3.80	1.09	0.08	3.95	0.07	69.11	0.34	1.08	98.58	1365	72	246	4	219	14
118927	299 --	13.54	1.36	< 0.01	2.53	2.59	1.24	0.07	3.79	0.08	71.66	0.36	1.32	98.54	735	66	234	4	204	14
118928	299 --	13.82	2.03	< 0.01	2.61	2.50	1.09	0.08	4.28	0.08	69.52	0.36	2.07	98.44	1170	48	208	4	198	16
118929	299 --	13.20	5.90	< 0.01	15.89	3.58	5.29	0.22	0.50	0.22	47.00	2.34	4.71	98.85	620	120	90	10	174	36
118930	299 --	15.21	1.46	< 0.01	3.15	3.07	1.33	0.10	5.05	0.08	67.04	0.45	1.18	98.12	870	58	198	4	225	18
118931	299 --	14.84	1.89	< 0.01	2.99	2.93	1.22	0.11	4.56	0.08	68.59	0.38	0.92	98.51	1320	42	166	4	207	18
118932	299 --	15.42	1.82	< 0.01	2.94	2.96	1.31	0.11	4.94	0.09	67.85	0.43	0.66	98.53	1085	54	174	4	210	16
118933	299 --	15.67	2.39	< 0.01	3.55	2.48	1.26	0.11	4.85	0.09	67.09	0.45	0.76	98.70	1010	38	202	4	219	16
118934	299 --	16.26	2.56	< 0.01	3.92	2.00	1.31	0.10	5.07	0.11	65.56	0.49	1.26	98.64	850	40	236	4	213	16
118935	299 --	16.56	2.71	< 0.01	4.05	2.21	1.28	0.10	5.22	0.10	64.23	0.48	0.73	97.67	825	48	214	4	216	16
118936	299 --	16.13	2.71	< 0.01	4.05	1.37	1.29	0.09	5.51	0.11	66.52	0.49	1.16	99.43	860	22	244	4	216	16
118937	299 --	16.64	2.93	< 0.01	3.84	1.59	1.24	0.08	5.93	0.11	65.45	0.48	0.70	98.99	955	24	292	4	207	14
118938	299 --	16.43	3.76	< 0.01	3.32	2.25	0.83	0.07	5.06	0.11	62.23	0.49	4.31	98.86	260	50	122	4	204	14
118939	299 --	16.78	2.84	< 0.01	3.48	1.24	1.35	0.06	6.29	0.10	64.11	0.47	1.12	97.84	765	20	252	4	201	14
118940	299 --	17.11	3.00	< 0.01	4.08	1.23	1.20	0.06	6.47	0.12	63.93	0.53	0.82	98.55	650	24	268	4	207	14
118941	299 --	17.20	2.91	< 0.01	3.98	1.37	1.18	0.06	6.55	0.13	64.95	0.54	0.67	99.54	685	26	276	4	210	14
118942	299 --	14.44	1.48	< 0.01	3.03	0.94	0.74	0.04	6.40	0.08	70.30	0.43	0.90	98.78	405	16	160	4	201	16
118943	299 --	15.34	1.98	< 0.01	3.12	2.72	0.92	0.05	5.12	0.10	68.58	0.40	1.08	99.41	1370	42	212	4	201	16
118944	299 --	14.80	1.33	< 0.01	2.06	3.22	0.75	0.03	4.81	0.09	69.18	0.40	1.03	97.70	1245	52	174	4	204	12
118945	299 --	14.83	1.73	< 0.01	2.61	2.65	0.99	0.05	5.12	0.08	68.34	0.41	1.29	98.10	1210	42	202	4	198	16

11 11 11 11 11



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Comments: ATTN: M. JONES

**CERTIFICATE**

**A9641378**

(GP) - WESTMIN RESOURCES LTD.

Project: 6004  
P.O. #:

Samples submitted to our lab in Vancouver, BC.  
This report was printed on 29-NOV-96.

## SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	27	Geochem ring to approx 150 mesh
226	27	0-3 Kg crush and split
3202	27	Rock - save entire reject
229	27	ICP - AQ Digestion charge

## ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
2118	27	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	100.0
2120	27	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2123	27	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2128	27	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2131	27	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2136	27	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2140	27	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	27	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2149	27	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000



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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  
 V7X 1C4

Project: 6004  
 Comments: ATTN: M. JONES

QC Page #: 1  
 Tot QC Pg: 1  
 Date: 29-NOV-96  
 Invoice #: 19641378  
 P.O. #: GP

## QC DATA OF CERTIFICATE A9641378

STD/DUP/BLANK DESCRIPTION	QC TYPE	PAGE NO.	Ag ppm	As ppm	Bi ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Zn ppm
G96-1GM	Std1	1	4.0	54	< 2	179	< 1	7	126	4	198
G96-1GM	Std2	1	5.6	54	< 2	193	< 1	7	128	< 2	206
CHEMEX MEAN	---	---	4.4	64	< 2	177	< 1	9	120	< 2	186
118919	Dup1	01	< 0.2	< 2	< 2	1	< 1	1	10	< 2	32
	Orig1	01	< 0.2	< 2	< 2	1	< 1	< 1	14	2	28



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Project: 6004  
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Page Number :1  
 Total Pages :1  
 Certificate Date: 29-NOV-96  
 Invoice No. :I9641378  
 P.O. Number :  
 Account :GP

## CERTIFICATE OF ANALYSIS A9641378

SAMPLE	PREP CODE	Ag ppm	As ppm	Bi ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Zn ppm
118919	205 226	< 0.2	< 2	< 2	1	< 1	< 1	14	2	28
118920	205 226	< 0.2	< 2	< 2	12	< 1	2	16	< 2	44
118921	205 226	< 0.2	< 2	< 2	18	< 1	< 1	10	< 2	46
118922	205 226	< 0.2	< 2	< 2	1	< 1	< 1	< 2	< 2	50
118923	205 226	< 0.2	< 2	< 2	15	< 1	2	22	< 2	22
118924	205 226	< 0.2	< 2	< 2	4	< 1	< 1	2	< 2	50
118925	205 226	< 0.2	< 2	< 2	33	< 1	< 1	4	< 2	48
118926	205 226	< 0.2	< 2	< 2	1	< 1	< 1	2	< 2	56
118927	205 226	2.8	< 2	< 2	5	< 1	< 1	< 2	< 2	60
118928	205 226	< 0.2	< 2	< 2	15	< 1	< 1	< 2	< 2	54
118929	205 226	0.2	4	< 2	124	< 1	< 1	2	4	104
118930	205 226	< 0.2	< 2	< 2	1	< 1	< 1	< 2	< 2	98
118931	205 226	< 0.2	< 2	< 2	1	< 1	< 1	< 2	< 2	94
118932	205 226	< 0.2	< 2	< 2	1	< 1	< 1	< 2	< 2	74
118933	205 226	< 0.2	< 2	< 2	< 1	< 1	< 1	< 2	2	48
118934	205 226	< 0.2	< 2	< 2	< 1	< 1	< 1	2	< 2	34
118935	205 226	< 0.2	< 2	< 2	3	< 1	< 1	< 2	2	32
118936	205 226	< 0.2	< 2	< 2	76	< 1	< 1	< 2	< 2	20
118937	205 226	< 0.2	< 2	< 2	2	< 1	< 1	< 2	< 2	16
118938	205 226	< 0.2	< 2	< 2	< 1	< 1	< 1	< 2	2	18
118939	205 226	< 0.2	< 2	< 2	< 1	< 1	< 1	< 2	< 2	24
118940	205 226	< 0.2	2	< 2	19	< 1	< 1	2	< 2	28
118941	205 226	< 0.2	< 2	< 2	4	< 1	< 1	< 2	2	26
118942	205 226	< 0.2	< 2	< 2	87	< 1	< 1	< 2	< 2	20
118943	205 226	< 0.2	2	< 2	4	< 1	3	< 2	2	24
118944	205 226	< 0.2	< 2	< 2	5	< 1	2	< 2	< 2	14
118945	205 226	< 0.2	< 2	< 2	14	< 1	1	< 2	< 2	20

**APPENDIX D**  
**GEOCHEMICAL RESULTS, CORE SAMPLES**



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V7X 1C4

A9639451

Comments: ATTN: M. JONES

CERTIFICATE

A9639451

(GP) - WESTMIN RESOURCES LTD.

Project: 6004  
P.O. #:

Samples submitted to our lab in Vancouver, BC.  
This report was printed on 18-NOV-96.

## SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	107	Geochem ring to approx 150 mesh
226	107	0-3 Kg crush and split
3202	107	Rock - save entire reject
285	107	ICP - HF digestion charge

## ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	107	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
578	107	Ag ppm: 24 element, rock & core	AAS	0.2	100.0
573	107	Al %: 24 element, rock & core	ICP-AES	0.01	25.0
565	107	Ba ppm: 24 element, rock & core	ICP-AES	10	10000
575	107	Be ppm: 24 element, rock & core	ICP-AES	0.5	1000
561	107	Bi ppm: 24 element, rock & core	ICP-AES	2	10000
576	107	Ca %: 24 element, rock & core	ICP-AES	0.01	25.0
562	107	Cd ppm: 24 element, rock & core	ICP-AES	0.5	500
563	107	Co ppm: 24 element, rock & core	ICP-AES	1	10000
569	107	Cr ppm: 24 element, rock & core	ICP-AES	1	10000
577	107	Cu ppm: 24 element, rock & core	ICP-AES	1	10000
566	107	Fe %: 24 element, rock & core	ICP-AES	0.01	25.0
584	107	K %: 24 element, rock & core	ICP-AES	0.01	10.00
570	107	Mg %: 24 element, rock & core	ICP-AES	0.01	15.00
568	107	Mn ppm: 24 element, rock & core	ICP-AES	5	10000
554	107	Mo ppm: 24 element, rock & core	ICP-AES	1	10000
583	107	Na %: 24 element, rock & core	ICP-AES	0.01	10.00
564	107	Ni ppm: 24 element, rock & core	ICP-AES	1	10000
559	107	P ppm: 24 element, rock & core	ICP-AES	10	10000
560	107	Pb ppm: 24 element, rock & core	AAS	2	10000
582	107	Sr ppm: 24 element, rock & core	ICP-AES	1	10000
579	107	Ti %: 24 element, rock & core	ICP-AES	0.01	10.00
572	107	V ppm: 24 element, rock & core	ICP-AES	1	10000
556	107	W ppm: 24 element, rock & core	ICP-AES	10	10000
558	107	Zn ppm: 24 element, rock & core	ICP-AES	2	10000





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 VANCOUVER, BC  
 V7X 1C4

Project: 6004  
 Comments: ATTN: M. JONES

QC Page #: 1-A  
 Tot QC Pg: 1  
 Date: 18-NOV-96  
 Invoice #: I9639451  
 P.O. #: GP

## QC DATA OF CERTIFICATE A9639451

STD/DUP/BLANK DESCRIPTION	QC TYPE	PAGE NO.	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)
BL-C	Blnk	1	< 5	----	----	----	----	----	----	----	----	----	----	----	----	----
BL-C	Blnk	2	< 5	----	----	----	----	----	----	----	----	----	----	----	----	----
CHEMEX MEAN	---	---	< 5	----	----	----	----	----	----	----	----	----	----	----	----	----
G96-TOT	Std1	1	----	----	7.47	1150	< 0.5	2	2.09	0.5	19	99	185	4.75	1.75	1.04
G96-TOT	Std2	1	----	----	7.80	1190	< 0.5	< 2	2.13	1.5	19	101	187	4.81	1.90	1.06
G96-TOT	Std1	2	----	----	7.70	1200	< 0.5	< 2	2.09	1.5	18	104	187	4.82	1.88	1.05
G96-TOT	Std2	2	----	----	7.51	1160	< 0.5	< 2	2.04	1.5	17	102	181	4.65	1.84	1.02
G96-TOT	Std1	3	----	----	7.82	1200	< 0.5	< 2	2.15	1.0	19	105	189	4.85	1.85	1.06
G96-TOT	Std2	3	----	----	7.66	1170	< 0.5	< 2	2.10	1.5	19	100	183	4.77	1.81	1.04
CHEMEX MEAN	---	---	----	----	7.52	1155	0.5	< 2	2.04	1.0	16	97	177	4.41	1.86	1.03
GEO-96	Std1	1	----	5.8	----	----	----	----	----	----	----	----	----	----	----	----
GEO-96	Std2	1	----	5.0	----	----	----	----	----	----	----	----	----	----	----	----
GEO-96	Std1	2	----	5.8	----	----	----	----	----	----	----	----	----	----	----	----
GEO-96	Std2	2	----	5.2	----	----	----	----	----	----	----	----	----	----	----	----
GEO-96	Std1	3	----	6.2	----	----	----	----	----	----	----	----	----	----	----	----
GEO-96	Std2	3	----	5.8	----	----	----	----	----	----	----	----	----	----	----	----
CHEMEX MEAN	---	---	----	5.5	----	----	----	----	----	----	----	----	----	----	----	----
SIO2-G2	Blnk	1	----	< 0.2	----	----	----	----	----	----	----	----	----	----	----	----
SIO2-G2	Blnk	2	----	< 0.2	----	----	----	----	----	----	----	----	----	----	----	----
CHEMEX MEAN	---	---	----	< 0.2	----	----	----	----	----	----	----	----	----	----	----	----
SIO2-T3	Blnk	1	----	----	0.29	20	< 0.5	< 2	0.01	< 0.5	< 1	6	2	0.05	0.07	0.01
SIO2-T3	Blnk	2	----	----	0.30	20	< 0.5	< 2	0.01	< 0.5	< 1	3	1	0.06	0.07	0.01
CHEMEX MEAN	---	---	----	----	0.24	13	< 0.5	< 2	0.01	< 0.5	< 1	5	2	0.05	0.03	< 0.01
SL-96	Std2	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----
SL-96	Std2	2	----	----	----	----	----	----	----	----	----	----	----	----	----	----
SL-96	Std2	3	705	----	----	----	----	----	----	----	----	----	----	----	----	----
CHEMEX MEAN	---	---	765	----	----	----	----	----	----	----	----	----	----	----	----	----
TVB-95	Std1	1	425	----	----	----	----	----	----	----	----	----	----	----	----	----
TVB-95	Std1	2	----	----	----	----	----	----	----	----	----	----	----	----	----	----
TVB-95	Std1	3	425	----	----	----	----	----	----	----	----	----	----	----	----	----
CHEMEX MEAN	---	---	448	----	----	----	----	----	----	----	----	----	----	----	----	----
148301	Dup1-01		< 5	< 0.2	6.72	660	0.5	< 2	1.82	< 0.5	6	68	10	1.67	2.58	0.54
	Orig1-01		< 5	< 0.2	6.81	670	0.5	< 2	1.83	< 0.5	6	68	10	1.68	2.59	0.54
148341	Dup2-01		< 5	< 0.2	8.27	270	< 0.5	< 2	0.48	0.5	33	79	47	5.60	4.53	0.71
	Orig2-01		< 5	< 0.2	8.24	230	< 0.5	< 2	0.48	0.5	34	52	47	5.59	4.26	0.71
148381	Dup3-01		< 5	0.2	7.65	880	< 0.5	< 2	0.47	< 0.5	15	112	39	3.06	3.48	0.66
	Orig3-01		< 5	< 0.2	7.82	900	< 0.5	< 2	0.47	< 0.5	15	124	40	3.15	3.56	0.68



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To: WESTMIN RESOURCES LTD.

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 VANCOUVER, BC  
 V7X 1C4

Project: 6004  
 Comments: ATTN: M. JONES

QC Page #: 1-B  
 Tot QC Pg: 1  
 Date: 18-NOV-96  
 Invoice #: I9639451  
 P.O. #: GP

## QC DATA OF CERTIFICATE A9639451

STD/DUP/BLANK DESCRIPTION	QC PAGE TYPE NO.	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)			
BL-C	Blnk 1	----	----	----	----	----	----	----	----	----	----	----			
BL-C	Blnk 2	----	----	----	----	----	----	----	----	----	----	----			
CHEMEX MEAN	---	----	----	----	----	----	----	----	----	----	----	----			
G96-TOT	Std1 1	1020	8	1.00	25	660	-----	228	0.35	154	10	190			
G96-TOT	Std2 1	1065	9	1.03	24	660	-----	236	0.35	158	30	194			
G96-TOT	Std1 2	1030	9	1.05	23	640	-----	236	0.35	156	30	190			
G96-TOT	Std2 2	1015	8	1.01	24	610	-----	230	0.35	152	30	184			
G96-TOT	Std1 3	1070	8	0.98	25	680	-----	235	0.36	158	40	194			
G96-TOT	Std2 3	1060	7	0.94	24	660	-----	229	0.36	156	40	190			
CHEMEX MEAN	---	927	9	1.03	20	648	-----	226	0.35	156	20	186			
GEO-96	Std1 1	-----	-----	-----	-----	-----	132	-----	-----	-----	-----	-----			
GEO-96	Std2 1	-----	-----	-----	-----	-----	132	-----	-----	-----	-----	-----			
GEO-96	Std1 2	-----	-----	-----	-----	-----	132	-----	-----	-----	-----	-----			
GEO-96	Std2 2	-----	-----	-----	-----	-----	130	-----	-----	-----	-----	-----			
GEO-96	Std1 3	-----	-----	-----	-----	-----	136	-----	-----	-----	-----	-----			
GEO-96	Std2 3	-----	-----	-----	-----	-----	130	-----	-----	-----	-----	-----			
CHEMEX MEAN	---	-----	-----	-----	-----	-----	120	-----	-----	-----	-----	-----			
SIO2-G2	Blnk 1	-----	-----	-----	-----	-----	4	-----	-----	-----	-----	-----			
SIO2-G2	Blnk 2	-----	-----	-----	-----	-----	4	-----	-----	-----	-----	-----			
CHEMEX MEAN	---	-----	-----	-----	-----	-----	< 2	-----	-----	-----	-----	-----			
SIO2-T3	Blnk 1	< 5	< 1	0.01	1	160	-----	138	0.01	4	< 10	< 2			
SIO2-T3	Blnk 2	< 5	< 1	0.01	1	150	-----	145	0.01	4	< 10	< 2			
CHEMEX MEAN	---	20	< 1	< 0.01	< 1	207	-----	178	< 0.01	2	< 10	< 2			
SL-96	Std2 1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----			
SL-96	Std2 2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----			
SL-96	Std2 3	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----			
CHEMEX MEAN	---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----			
TVB-95	Std1 1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----			
TVB-95	Std1 2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----			
TVB-95	Std1 3	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----			
CHEMEX MEAN	---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----			
148301	Dup1-01	465	1	1.28	2	290	10	103	0.11	32	< 10	36			
	Orig1-01	470	3	1.28	4	260	12	105	0.10	32	< 10	38			
148341	Dup2-01	375	12	0.65	16	510	10	108	0.14	134	20	30			
	Orig2-01	370	12	0.65	18	520	8	107	0.13	133	20	30			
148381	Dup3-01	1025	5	0.27	7	550	10	54	0.17	100	10	32			
	Orig3-01	1050	6	0.28	10	580	6	54	0.17	103	10	34			



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Project : 6004  
Comments: ATTN: M. JONES

Page Number : 1-A  
Total Pages : 3  
Certificate Date: 18-NOV-96  
Invoice No. : I9639451  
P.O. Number :  
Account : GP

## CERTIFICATE OF ANALYSIS A9639451

SAMPLE	PREP CODE		Au ppb	Ag ppm	Al %	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %
	FA+AA	AAS	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)
148301	205	226	< 5	< 0.2	6.81	670	0.5	< 2	1.83	< 0.5	6	68	10	1.68	2.59	0.54
148302	205	226	< 5	< 0.2	6.76	770	0.5	< 2	2.34	< 0.5	6	76	17	1.61	2.62	0.57
148303	205	226	< 5	< 0.2	6.91	600	0.5	< 2	1.63	0.5	5	65	9	1.42	2.53	0.54
148304	205	226	< 5	< 0.2	7.07	860	0.5	< 2	1.96	< 0.5	6	87	11	1.61	2.77	0.50
148305	205	226	< 5	< 0.2	7.56	1140	0.5	< 2	1.95	< 0.5	5	57	12	1.53	2.96	0.56
148306	205	226	< 5	< 0.2	7.27	810	0.5	< 2	1.86	< 0.5	6	84	20	1.56	2.66	0.59
148307	205	226	< 5	0.2	8.23	990	0.5	4	1.73	< 0.5	12	70	52	2.99	2.36	1.18
148308	205	226	< 5	0.2	7.70	810	0.5	< 2	1.67	< 0.5	8	77	30	2.15	1.88	1.04
148309	205	226	< 5	< 0.2	7.29	320	0.5	< 2	1.99	< 0.5	8	75	16	2.29	2.73	0.82
148310	205	226	< 5	< 0.2	7.37	360	0.5	< 2	2.13	0.5	9	70	13	2.28	2.51	0.90
148311	205	226	< 5	< 0.2	7.34	670	0.5	< 2	1.93	< 0.5	9	79	20	2.46	2.09	1.03
148312	205	226	< 5	0.2	7.64	830	0.5	< 2	2.42	< 0.5	8	35	16	2.35	2.45	1.04
148313	205	226	< 5	0.2	7.60	340	0.5	< 2	1.54	0.5	8	83	28	2.36	1.98	1.03
148314	205	226	< 5	< 0.2	7.23	770	0.5	< 2	1.60	< 0.5	8	99	16	2.27	2.18	0.85
148315	205	226	< 5	< 0.2	8.00	1170	0.5	< 2	1.76	< 0.5	7	77	14	2.16	2.41	0.86
148316	205	226	< 5	0.4	7.28	1260	0.5	< 2	1.45	< 0.5	7	77	14	2.04	2.20	0.78
148317	205	226	< 5	0.2	7.88	390	0.5	< 2	1.33	0.5	9	91	25	2.76	2.48	0.99
148318	205	226	< 5	< 0.2	7.56	320	0.5	< 2	1.45	< 0.5	6	87	16	2.07	2.60	0.73
148319	205	226	< 5	< 0.2	7.06	1700	0.5	< 2	1.38	< 0.5	7	92	20	2.01	2.04	0.84
148320	205	226	< 5	< 0.2	6.73	950	0.5	< 2	1.37	0.5	8	70	18	2.05	2.02	0.92
148321	205	226	< 5	< 0.2	7.30	410	0.5	< 2	2.13	< 0.5	9	81	40	1.74	2.44	0.65
148322	205	226	< 5	< 0.2	7.42	350	0.5	< 2	2.09	0.5	7	72	16	1.95	2.44	0.61
148323	205	226	< 5	< 0.2	7.09	940	0.5	< 2	1.82	< 0.5	6	78	21	1.94	2.55	0.79
148324	205	226	< 5	< 0.2	7.16	740	0.5	< 2	1.39	< 0.5	7	87	24	1.93	2.59	0.79
148325	205	226	< 5	< 0.2	7.26	960	0.5	< 2	1.12	< 0.5	7	91	24	1.93	2.50	0.81
148326	205	226	< 5	< 0.2	7.50	920	0.5	< 2	1.03	< 0.5	7	82	18	1.93	2.66	0.78
148327	205	226	< 5	< 0.2	7.67	530	0.5	< 2	1.38	0.5	9	95	38	2.44	2.08	0.98
148328	205	226	< 5	< 0.2	7.72	690	0.5	< 2	1.45	< 0.5	10	62	30	2.50	2.74	0.92
148329	205	226	< 5	< 0.2	7.59	550	0.5	< 2	1.87	0.5	8	66	23	2.34	2.68	0.86
148330	205	226	< 5	< 0.2	7.62	610	0.5	6	1.54	< 0.5	10	77	37	2.59	2.77	0.92
148331	205	226	< 5	0.2	8.65	200	< 0.5	2	2.14	< 0.5	18	83	32	4.52	2.25	1.48
148332	205	226	< 5	< 0.2	7.65	840	0.5	< 2	1.58	< 0.5	10	62	23	2.51	2.37	0.97
148333	205	226	< 5	< 0.2	7.51	860	0.5	< 2	2.11	< 0.5	9	92	29	2.57	2.42	0.90
148334	205	226	< 5	< 0.2	7.68	830	0.5	< 2	1.62	0.5	11	54	25	2.47	2.74	0.88
148335	205	226	< 5	< 0.2	7.77	970	< 0.5	< 2	1.32	< 0.5	9	74	30	2.63	2.58	1.06
148336	205	226	< 5	< 0.2	10.50	550	0.5	< 2	0.21	< 0.5	20	76	25	3.33	5.00	0.32
148337	205	226	< 5	< 0.2	8.88	370	< 0.5	< 2	0.81	< 0.5	17	68	28	3.79	3.47	0.88
148338	205	226	< 5	< 0.2	7.80	890	0.5	2	1.57	< 0.5	10	57	21	2.84	2.48	0.94
148339	205	226	< 5	< 0.2	8.40	180	< 0.5	< 2	1.37	< 0.5	19	70	41	5.31	3.01	0.81
148340	205	226	< 5	< 0.2	8.46	270	< 0.5	< 2	1.22	< 0.5	15	48	29	3.49	3.21	0.82



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To: WESTMIN RESOURCES LTD.

P.O. BOX 49066, THE BENTALL CENTRE  
 VANCOUVER, BC  
 V7X 1C4

Project : 6004  
 Comments: ATTN: M. JONES

Page Number : 1-B  
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 Certificate Date: 18-NOV-96  
 Invoice No. : I9639451  
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 Account : GP

CERTIFICATE OF ANALYSIS	A9639451
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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)			
148301	205 226	470	3	1.28	4	260	12	105	0.10	32	< 10	38			
148302	205 226	565	1	0.95	2	250	20	106	0.12	30	< 10	70			
148303	205 226	435	1	1.38	6	210	10	101	0.11	26	< 10	72			
148304	205 226	470	3	1.01	1	240	12	103	0.10	28	< 10	38			
148305	205 226	485	4	1.18	2	240	10	116	0.10	27	< 10	34			
148306	205 226	490	< 1	1.35	4	260	10	102	0.09	26	< 10	30			
148307	205 226	905	1	2.15	6	480	18	203	0.27	94	10	70			
148308	205 226	700	5	2.50	5	390	10	203	0.18	55	10	48			
148309	205 226	715	6	1.28	5	360	10	107	0.17	54	< 10	44			
148310	205 226	745	12	1.72	5	420	10	155	0.18	59	< 10	50			
148311	205 226	765	8	2.08	7	410	10	182	0.17	60	< 10	52			
148312	205 226	905	7	1.96	6	450	14	159	0.18	65	10	68			
148313	205 226	835	2	2.37	4	450	10	483	0.19	60	< 10	66			
148314	205 226	635	3	2.24	4	430	16	225	0.19	53	< 10	58			
148315	205 226	735	3	2.47	5	390	14	300	0.18	54	< 10	60			
148316	205 226	715	4	2.65	5	410	14	277	0.18	48	10	64			
148317	205 226	860	1	2.50	4	540	18	290	0.21	68	10	90			
148318	205 226	695	2	2.52	3	400	20	314	0.14	42	< 10	56			
148319	205 226	765	3	2.22	4	360	20	308	0.15	44	< 10	66			
148320	205 226	675	1	1.99	3	330	20	264	0.14	48	< 10	76			
148321	205 226	660	23	1.87	4	320	48	264	0.12	41	< 10	80			
148322	205 226	620	2	1.92	3	330	24	238	0.12	47	< 10	64			
148323	205 226	640	6	1.69	4	310	30	145	0.14	44	10	88			
148324	205 226	640	7	1.99	3	300	22	158	0.12	44	< 10	52			
148325	205 226	600	5	2.01	5	320	14	171	0.12	47	< 10	48			
148326	205 226	530	9	2.18	4	310	14	180	0.14	53	< 10	48			
148327	205 226	875	5	2.46	5	350	14	229	0.15	58	10	62			
148328	205 226	725	1	1.34	4	330	22	147	0.16	69	< 10	60			
148329	205 226	735	4	1.21	5	360	22	150	0.17	62	< 10	60			
148330	205 226	710	3	1.19	6	430	26	135	0.19	80	< 10	60			
148331	205 226	1195	4	2.39	8	580	28	296	0.25	123	10	98			
148332	205 226	795	2	2.11	4	370	26	197	0.18	73	10	60			
148333	205 226	795	2	1.86	6	400	52	185	0.20	79	10	90			
148334	205 226	760	5	1.46	7	500	30	150	0.21	103	10	76			
148335	205 226	855	4	1.45	10	440	18	125	0.21	78	< 10	68			
148336	205 226	130	5	0.44	10	730	12	41	0.15	154	10	18			
148337	205 226	610	3	1.20	9	600	14	114	0.24	131	10	56			
148338	205 226	760	4	1.86	6	500	12	146	0.27	79	10	54			
148339	205 226	940	7	1.65	7	860	8	132	0.38	128	30	52			
148340	205 226	680	7	1.49	8	470	10	151	0.23	104	10	48			



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To: WESTMIN RESOURCES LTD.

P.O. BOX 49066, THE BENTALL CENTRE  
VANCOUVER, BC  
V7X 1C4

Project: 6004  
Comments: ATTN: M. JONES

Page Number : 2-A  
Total Pages : 3  
Certificate Date: 18-NOV-96  
Invoice No. : 19639451  
P.O. Number :  
Account : GP

## CERTIFICATE OF ANALYSIS A9639451

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)
148341	205 226	< 5	< 0.2	8.24	230	< 0.5	< 2	0.48	0.5	34	52	47	5.59	4.26	0.71
148342	205 226	< 5	< 0.2	7.45	1540	0.5	< 2	2.67	< 0.5	9	54	28	2.16	2.64	0.77
148343	205 226	< 5	< 0.2	7.51	850	0.5	< 2	2.62	< 0.5	8	56	21	2.32	2.90	0.65
148344	205 226	< 5	< 0.2	6.96	720	0.5	< 2	2.22	< 0.5	6	75	12	2.19	2.21	0.56
148345	205 226	< 5	< 0.2	7.65	600	0.5	6	2.33	< 0.5	9	67	27	2.45	2.56	0.74
148346	205 226	< 5	< 0.2	7.43	770	0.5	< 2	2.01	< 0.5	7	62	17	1.82	3.20	0.43
148347	205 226	< 5	< 0.2	7.75	740	0.5	< 2	1.23	< 0.5	8	52	26	2.15	2.75	0.47
148348	205 226	< 5	< 0.2	9.29	250	0.5	< 2	1.38	< 0.5	22	49	43	5.39	3.97	0.49
148349	205 226	< 5	< 0.2	9.59	610	1.0	< 2	0.53	< 0.5	18	54	40	4.56	4.30	0.46
148350	205 226	< 5	< 0.2	7.43	760	0.5	< 2	1.31	< 0.5	5	47	13	1.52	2.24	0.46
148351	205 226	< 5	< 0.2	7.56	870	0.5	< 2	1.62	< 0.5	5	67	11	1.71	2.18	0.48
148352	205 226	< 5	< 0.2	7.57	650	0.5	2	2.02	0.5	5	50	118	1.79	2.52	0.49
148353	205 226	< 5	< 0.2	7.26	650	0.5	< 2	2.29	0.5	5	47	13	1.59	2.67	0.45
148354	205 226	< 5	< 0.2	7.17	560	0.5	< 2	2.05	1.0	4	68	13	1.76	1.99	0.52
148355	205 226	< 5	< 0.2	9.65	380	< 0.5	< 2	5.04	< 0.5	17	21	26	5.78	1.11	1.74
148356	205 226	< 5	< 0.2	7.58	820	0.5	2	2.31	1.0	7	88	19	1.94	1.79	0.65
148357	205 226	< 5	< 0.2	7.93	1070	0.5	< 2	1.18	< 0.5	6	58	9	1.76	2.77	0.50
148358	205 226	< 5	< 0.2	7.88	580	0.5	< 2	1.77	< 0.5	6	51	17	1.84	2.12	0.57
148359	205 226	< 5	0.2	7.13	730	0.5	< 2	1.80	< 0.5	5	44	14	1.71	2.77	0.42
148360	205 226	< 5	< 0.2	8.57	1340	0.5	< 2	0.92	< 0.5	6	54	9	2.32	3.70	0.48
148361	205 226	< 5	< 0.2	7.67	740	0.5	< 2	2.04	< 0.5	6	89	13	2.12	2.17	0.77
148362	205 226	< 5	< 0.2	8.04	850	0.5	< 2	1.99	0.5	7	86	14	2.22	2.51	0.81
148363	205 226	< 5	< 0.2	8.07	820	0.5	< 2	1.79	< 0.5	6	80	15	2.13	2.39	0.75
148364	205 226	< 5	< 0.2	7.92	630	0.5	< 2	1.84	1.0	6	86	18	2.25	1.96	0.83
148365	205 226	< 5	< 0.2	7.92	1010	0.5	6	1.52	< 0.5	9	63	22	2.20	2.63	0.77
148366	205 226	< 5	< 0.2	7.54	910	0.5	< 2	1.44	< 0.5	8	74	19	2.15	2.39	0.69
148367	205 226	< 5	< 0.2	8.05	1150	0.5	< 2	1.46	< 0.5	6	53	13	1.88	2.71	0.66
148368	205 226	< 5	< 0.2	7.58	1030	0.5	< 2	1.41	< 0.5	5	66	10	1.68	2.76	0.44
148369	205 226	< 5	< 0.2	6.94	720	1.5	< 2	1.80	< 0.5	4	105	9	1.55	2.35	0.58
148370	205 226	< 5	< 0.2	8.27	1180	2.0	< 2	2.14	< 0.5	7	96	3	2.13	3.70	0.97
148371	205 226	< 5	< 0.2	7.09	880	1.5	< 2	2.27	< 0.5	6	87	20	2.10	2.76	0.78
148372	205 226	< 5	< 0.2	7.50	680	0.5	< 2	2.58	< 0.5	9	115	25	2.69	3.23	0.41
148373	205 226	< 5	< 0.2	7.80	700	0.5	< 2	4.63	< 0.5	11	111	28	2.74	2.42	0.62
148374	205 226	< 5	< 0.2	7.79	680	< 0.5	< 2	2.13	< 0.5	12	99	86	3.69	2.86	0.99
148375	205 226	< 5	0.2	7.04	770	< 0.5	132	1.82	< 0.5	17	95	262	4.21	2.64	0.53
148376	205 226	< 5	< 0.2	8.69	260	0.5	< 2	0.87	< 0.5	15	82	68	3.97	4.06	0.79
148377	205 226	< 5	< 0.2	5.69	500	< 0.5	< 2	0.88	< 0.5	18	136	17	2.97	2.50	0.39
148378	205 226	< 5	< 0.2	8.90	830	< 0.5	< 2	0.63	< 0.5	22	99	17	4.16	4.05	0.91
148379	205 226	< 5	0.2	7.71	240	< 0.5	< 2	1.43	< 0.5	13	99	44	3.73	3.20	0.99
148380	205 226	< 5	< 0.2	7.44	230	< 0.5	< 2	0.61	0.5	13	122	53	3.71	3.55	0.74



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To: WESTMIN RESOURCES LTD.

P.O. BOX 49066, THE BENTALL CENTRE  
 VANCOUVER, BC  
 V7X 1C4

Project : 6004  
 Comments: ATTN: M. JONES

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## CERTIFICATE OF ANALYSIS A9639451

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)			
148341	205 226	370	12	0.65	18	520	8	107	0.13	133	20	30			
148342	205 226	720	3	1.27	3	370	18	156	0.19	52	10	54			
148343	205 226	500	1	1.10	4	390	20	103	0.19	61	10	64			
148344	205 226	545	5	1.68	3	310	8	142	0.13	47	10	40			
148345	205 226	635	< 1	1.57	4	370	8	123	0.18	60	10	52			
148346	205 226	445	< 1	0.48	1	470	6	72	0.17	48	< 10	44			
148347	205 226	400	3	1.70	7	420	16	134	0.16	52	10	36			
148348	205 226	360	3	1.42	9	500	22	137	0.29	201	20	36			
148349	205 226	235	4	1.14	7	330	20	96	0.22	163	10	30			
148350	205 226	435	3	2.95	2	270	10	177	0.14	32	< 10	36			
148351	205 226	515	3	2.75	5	270	12	209	0.17	33	< 10	38			
148352	205 226	475	1	2.07	3	280	106	170	0.16	36	< 10	78			
148353	205 226	420	3	1.51	3	270	50	108	0.16	30	< 10	70			
148354	205 226	545	2	2.27	1	280	26	192	0.15	32	< 10	78			
148355	205 226	1745	1	2.86	3	1760	10	641	0.42	145	30	98			
148356	205 226	655	1	2.52	2	340	10	218	0.17	41	< 10	46			
148357	205 226	420	3	1.63	3	300	8	148	0.15	32	< 10	48			
148358	205 226	635	4	2.47	1	350	12	119	0.19	35	< 10	62			
148359	205 226	335	3	1.31	2	430	8	134	0.14	32	< 10	30			
148360	205 226	320	4	1.29	2	380	10	112	0.17	44	10	36			
148361	205 226	730	4	2.32	5	390	14	209	0.17	42	10	56			
148362	205 226	710	4	2.45	5	440	16	217	0.18	46	10	66			
148363	205 226	695	1	2.42	2	460	14	197	0.17	44	10	54			
148364	205 226	780	3	2.98	3	430	16	244	0.20	37	< 10	142			
148365	205 226	635	< 1	2.27	4	360	14	199	0.17	56	10	58			
148366	205 226	585	1	2.32	5	310	16	196	0.17	51	< 10	54			
148367	205 226	515	4	2.23	2	290	14	170	0.15	47	< 10	44			
148368	205 226	350	1	2.05	5	260	10	187	0.15	37	< 10	34			
148369	205 226	635	3	1.79	2	180	14	134	0.22	10	10	86			
148370	205 226	930	4	0.91	9	320	6	158	0.29	50	10	80			
148371	205 226	1005	7	0.52	5	300	6	76	0.23	54	10	74			
148372	205 226	765	3	0.46	4	380	14	64	0.16	68	10	28			
148373	205 226	1340	1	0.53	7	420	10	92	0.21	81	10	60			
148374	205 226	1020	3	0.65	9	460	6	132	0.18	88	10	52			
148375	205 226	440	4	0.24	7	480	8	80	0.18	92	10	30			
148376	205 226	730	5	0.57	9	380	8	91	0.14	83	10	42			
148377	205 226	385	6	0.16	6	330	4	58	0.14	78	10	44			
148378	205 226	700	3	0.28	8	550	8	69	0.27	126	10	52			
148379	205 226	2820	4	0.61	7	540	24	201	0.13	87	10	104			
148380	205 226	1480	3	0.35	8	570	26	87	0.11	91	10	88			



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148381	205 226	< 5	< 0.2	7.82	900	< 0.5	< 2	0.47	< 0.5	15	124	40	3.15	3.56	0.68
148382	205 226	< 5	0.2	8.01	350	< 0.5	< 2	0.45	< 0.5	14	135	40	3.48	3.51	0.69
942811	205 226	< 5	0.4	7.66	690	0.5	< 2	0.66	< 0.5	10	130	25	2.63	3.26	0.57
942812	205 226	< 5	1.0	6.22	570	< 0.5	< 2	0.42	< 0.5	9	171	30	2.68	2.71	0.51
942813	205 226	< 5	1.4	7.15	620	< 0.5	< 2	0.47	< 0.5	23	242	51	4.00	3.12	0.59
942814	205 226	< 5	0.8	6.96	580	< 0.5	< 2	0.47	< 0.5	11	189	30	3.04	3.05	0.59
942815	205 226	< 5	0.6	7.08	650	< 0.5	< 2	0.68	< 0.5	9	180	31	2.78	3.06	0.63
942816	205 226	< 5	0.4	4.39	380	< 0.5	< 2	0.23	< 0.5	7	185	14	2.11	1.90	0.30
942817	205 226	< 5	1.2	7.00	610	< 0.5	< 2	0.43	< 0.5	11	173	41	3.08	2.93	0.61
942818	205 226	45	1.8	6.76	600	< 0.5	< 2	0.29	< 0.5	8	195	44	2.55	2.86	0.59
942819	205 226	< 5	1.0	7.37	640	< 0.5	< 2	0.50	< 0.5	11	170	24	3.06	3.14	0.52
942820	205 226	< 5	2.0	7.59	570	< 0.5	< 2	0.63	< 0.5	10	182	36	3.51	3.12	0.70
942821	205 226	< 5	2.0	7.45	260	< 0.5	< 2	0.57	< 0.5	12	146	40	3.22	3.13	0.63
942822	205 226	< 5	2.6	7.30	600	0.5	< 2	0.65	< 0.5	12	172	64	3.26	2.86	0.57
942823	205 226	30	2.8	6.88	590	< 0.5	< 2	0.78	0.5	11	150	162	3.45	2.73	0.49
942824	205 226	140	3.6	6.32	710	< 0.5	< 2	1.00	0.5	10	199	104	2.94	2.56	0.38
942825	205 226	25	1.6	7.19	760	< 0.5	< 2	0.48	1.5	9	207	48	2.90	2.98	0.43
942826	205 226	< 5	0.4	5.53	370	< 0.5	< 2	3.10	< 0.5	9	45	53	2.88	1.48	0.60
942827	205 226	< 5	0.4	8.73	760	< 0.5	< 2	2.11	< 0.5	19	94	68	4.80	2.58	1.27
942828	205 226	< 5	0.2	9.20	1040	< 0.5	< 2	1.85	< 0.5	20	77	74	5.44	2.55	1.91
942829	205 226	< 5	0.2	8.41	1100	< 0.5	< 2	2.51	< 0.5	19	92	55	4.87	1.75	1.92
942830	205 226	< 5	< 0.2	8.49	1120	< 0.5	< 2	2.62	0.5	15	93	62	4.84	1.92	1.68
942831	205 226	< 5	< 0.2	8.04	640	< 0.5	< 2	4.34	< 0.5	15	84	45	4.21	1.72	1.26
942832	205 226	< 5	0.2	9.32	730	< 0.5	< 2	2.08	< 0.5	21	65	90	5.69	2.34	2.04
942833	205 226	< 5	< 0.2	10.15	220	< 0.5	< 2	6.21	0.5	19	82	79	5.70	0.68	1.91
942834	205 226	< 5	< 0.2	8.92	320	< 0.5	< 2	2.72	< 0.5	21	75	106	5.48	1.17	1.89
942835	205 226	< 5	0.2	9.36	300	< 0.5	< 2	2.82	< 0.5	19	59	75	5.53	1.75	1.90



# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers

212 Brooksbank Ave., North Vancouver  
British Columbia, Canada V7J 2C1  
PHONE: 604-984-0221 FAX: 604-984-0218

To: WESTMIN RESOURCES LTD.

P.O. BOX 49066, THE BENTALL CENTRE  
VANCOUVER, BC  
V7X 1C4

Project : 6004  
Comments: ATTN: M. JONES

Page Number :3-B  
Total Pages :3  
Certificate Date: 18-NOV-96  
Invoice No. : 19639451  
P.O. Number :  
Account : GP

## CERTIFICATE OF ANALYSIS

### A9639451

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)			
148381	205 226	1050	6	0.28	10	580	6	54	0.17	103	10	34			
148382	205 226	1530	3	0.26	7	680	4	39	0.20	109	10	42			
942811	205 226	1030	2	0.24	5	520	40	55	0.10	68	10	82			
942812	205 226	545	13	0.12	6	490	24	33	0.11	63	< 10	44			
942813	205 226	565	8	0.12	17	580	38	37	0.15	68	10	72			
942814	205 226	550	5	0.13	7	540	16	30	0.14	68	10	50			
942815	205 226	520	6	0.13	6	610	16	35	0.16	63	< 10	56			
942816	205 226	225	5	0.09	7	280	10	17	0.07	52	< 10	28			
942817	205 226	640	13	0.14	8	600	24	35	0.12	71	10	60			
942818	205 226	550	26	0.13	4	470	42	31	0.11	63	< 10	68			
942819	205 226	485	4	0.14	8	550	34	32	0.14	79	10	54			
942820	205 226	800	3	0.29	7	540	54	46	0.12	73	10	98			
942821	205 226	770	4	0.15	10	560	70	34	0.15	80	10	94			
942822	205 226	790	7	0.18	8	580	104	43	0.10	75	10	70			
942823	205 226	540	30	0.17	7	640	104	40	0.12	69	10	114			
942824	205 226	390	23	0.17	8	650	32	43	0.14	64	10	120			
942825	205 226	320	24	0.20	6	480	144	43	0.18	73	10	536			
942826	205 226	965	8	0.29	7	570	28	100	0.24	105	< 10	150			
942827	205 226	1400	7	0.47	7	970	16	136	0.37	166	30	110			
942828	205 226	1985	2	0.54	9	1070	12	154	0.40	193	30	140			
942829	205 226	2070	1	0.56	9	980	2	186	0.37	170	30	132			
942830	205 226	2010	< 1	0.61	6	990	4	220	0.36	179	30	118			
942831	205 226	1850	5	0.51	8	910	4	335	0.32	175	20	94			
942832	205 226	2260	< 1	0.63	6	1080	< 2	135	0.42	213	30	122			
942833	205 226	2020	< 1	1.64	6	1150	10	912	0.43	206	30	116			
942834	205 226	1430	7	2.26	4	1110	14	368	0.41	212	30	118			
942835	205 226	1855	16	1.49	3	1140	10	300	0.39	192	30	98			





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To: WESTMIN RESOURCES LTD.

P.O. BOX 49066, THE BENTALL CENTRE  
 VANCOUVER, BC  
 V7X 1C4

A9639516

Comments: ATTN:M.JONES

**CERTIFICATE**

**A9639516**

(GP) - WESTMIN RESOURCES LTD.

Project: 6004  
 P.O.#:

Samples submitted to our lab in Vancouver, BC.  
 This report was printed on 15-NOV-96.

## SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
255	28	RUSH Geo ring to approx 150 mesh
295	28	RUSH crush and split (0-3 Kg)
3202	28	Rock - save entire reject
285	28	ICP - HF digestion charge

## ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
991	28	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
578	28	Ag ppm: 24 element, rock & core	AAS	0.2	100.0
573	28	Al %: 24 element, rock & core	ICP-AES	0.01	25.0
565	28	Ba ppm: 24 element, rock & core	ICP-AES	10	10000
575	28	Be ppm: 24 element, rock & core	ICP-AES	0.5	1000
561	28	Bi ppm: 24 element, rock & core	ICP-AES	2	10000
576	28	Ca %: 24 element, rock & core	ICP-AES	0.01	25.0
562	28	Cd ppm: 24 element, rock & core	ICP-AES	0.5	500
563	28	Co ppm: 24 element, rock & core	ICP-AES	1	10000
569	28	Cr ppm: 24 element, rock & core	ICP-AES	1	10000
577	28	Cu ppm: 24 element, rock & core	ICP-AES	1	10000
566	28	Fe %: 24 element, rock & core	ICP-AES	0.01	25.0
584	28	K %: 24 element, rock & core	ICP-AES	0.01	10.00
570	28	Mg %: 24 element, rock & core	ICP-AES	0.01	15.00
568	28	Mn ppm: 24 element, rock & core	ICP-AES	5	10000
554	28	Mo ppm: 24 element, rock & core	ICP-AES	1	10000
583	28	Na %: 24 element, rock & core	ICP-AES	0.01	10.00
564	28	Ni ppm: 24 element, rock & core	ICP-AES	1	10000
559	28	P ppm: 24 element, rock & core	ICP-AES	10	10000
560	28	Pb ppm: 24 element, rock & core	AAS	2	10000
582	28	Sr ppm: 24 element, rock & core	ICP-AES	1	10000
579	28	Ti %: 24 element, rock & core	ICP-AES	0.01	10.00
572	28	V ppm: 24 element, rock & core	ICP-AES	1	10000
556	28	W ppm: 24 element, rock & core	ICP-AES	10	10000
558	28	Zn ppm: 24 element, rock & core	ICP-AES	2	10000



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To: WESTMIN RESOURCES LTD.

P.O. BOX 49066, THE BENTALL CENTRE  
 VANCOUVER, BC  
 V7X 1C4

Project: 6004  
 Comments: ATTN:M.JONES

QC Page #: 1-A  
 Tot QC Pg: 1  
 Date: 15-NOV-96  
 Invoice #: I9639516  
 P.O. #: GP

## QC DATA OF CERTIFICATE A9639516

STD/DUP/BLANK DESCRIPTION	QC TYPE	PAGE NO.	Au ppb RUSH	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)
FMC-1 CHEMEX MEAN	std2 ---	1 ---	355 363	----	----	----	----	----	----	----	----	----	----	----	----	----
G96-TOT G96-TOT CHEMEX MEAN	std1 std2 ---	1 1 ---	----- ----- -----	----- ----- -----	7.28 7.70 7.52	1140 1200 1155	< 0.5 < 0.5 0.5	< 2 2 < 2	2.04 2.15 2.04	0.5 1.0 1.0	18 18 16	101 100 97	178 188 177	4.60 4.85 4.41	1.76 1.86 1.86	1.00 1.06 1.03
GEO-96 GEO-96 CHEMEX MEAN	std1 std2 ---	1 1 ---	----- ----- -----	5.6 5.8 5.5	----- ----- -----	----- ----- -----	----- ----- -----	----- ----- -----	----- ----- -----	----- ----- -----	----- ----- -----	----- ----- -----	----- ----- -----	----- ----- -----	----- ----- -----	----- ----- -----
SL-96 CHEMEX MEAN	std1 ---	1 ---	755 765	----- -----	----- -----	----- -----	----- -----	----- -----	----- -----	----- -----	----- -----	----- -----	----- -----	----- -----	----- -----	----- -----
148383	Dup1-01 Orig1-01		< 5 < 5	0.4 0.4	6.83 7.05	560 560	< 0.5 < 0.5	< 2 < 2	0.66 0.66	< 0.5 < 0.5	10 11	59 53	32 32	2.80 2.91	3.15 3.25	0.51 0.53



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To: WESTMIN RESOURCES LTD.

P.O. BOX 49066, THE BENTALL CENTRE  
 VANCOUVER, BC  
 V7X 1C4

Project: 6004  
 Comments: ATTN:M.JONES

QC Page #: 1-B  
 Tot QC Pg: 1  
 Date: 15-NOV-96  
 Invoice #: I9639516  
 P.O. #: GP

## QC DATA OF CERTIFICATE A9639516

STD/DUP/BLANK DESCRIPTION	QC PAGE TYPE NO.	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)			
FMC-1 CHEMEX MEAN	std2 1	----	----	----	----	----	----	----	----	----	----	----			
G96-TOT	std1 1	1025	8	0.94	24	660	----	223	0.35	151	30	182			
G96-TOT	std2 1	1090	9	0.99	25	660	----	235	0.36	159	30	194			
CHEMEX MEAN	----	927	9	1.03	20	648	----	226	0.35	156	20	186			
GEO-96	std1 1	----	----	----	----	----	128	----	----	----	----	----			
GEO-96	std2 1	----	----	----	----	----	126	----	----	----	----	----			
CHEMEX MEAN	----	----	----	----	----	----	120	----	----	----	----	----			
SL-96	std1 1	----	----	----	----	----	----	----	----	----	----	----			
CHEMEX MEAN	----	----	----	----	----	----	----	----	----	----	----	----			
148383	Dupl-01	365	7	0.16	5	490	24	29	0.11	76	10	38			
	Origl-01	380	8	0.15	7	500	26	30	0.11	78	10	40			



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To: WESTMIN RESOURCES LTD.

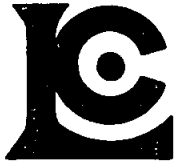
P.O. BOX 49066, THE BENTALL CENTRE  
 VANCOUVER, BC  
 V7X 1C4

Project : 6004  
 Comments: ATTN:M.JONES

Page Number : 1-A  
 Total Pages : 1  
 Certificate Date: 15-NOV-96  
 Invoice No. : 19639516  
 P.O. Number :  
 Account : GP

## CERTIFICATE OF ANALYSIS A9639516

SAMPLE	PREP CODE		Au ppb	Ag ppm	Al %	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %
	RUSH	AAS	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)
148383	255	295	< 5	0.4	7.05	560	< 0.5	< 2	0.66	< 0.5	11	53	32	2.91	3.25	0.53
148384	255	295	< 5	0.8	7.26	660	< 0.5	< 2	0.46	< 0.5	12	140	49	3.01	3.17	0.55
148385	255	295	20	2.2	7.12	570	0.5	< 2	0.38	0.5	11	83	46	2.91	3.15	0.54
148386	255	295	25	3.0	6.24	390	< 0.5	< 2	0.30	4.5	10	128	68	3.22	2.79	0.38
148387	255	295	25	3.2	5.47	380	< 0.5	< 2	0.23	< 0.5	8	140	81	2.72	2.51	0.25
148388	255	295	25	2.2	5.02	330	< 0.5	< 2	0.21	< 0.5	5	177	34	1.54	2.26	0.20
148389	255	295	120	9.2	3.71	190	< 0.5	< 2	0.21	5.0	3	232	107	2.81	1.64	0.13
148390	255	295	35	4.8	5.89	350	< 0.5	< 2	1.56	2.0	7	167	117	5.00	2.60	0.32
148391	255	295	< 5	0.8	7.59	650	< 0.5	< 2	0.30	2.0	14	165	26	3.17	3.37	0.47
148392	255	295	< 5	0.6	8.13	700	< 0.5	< 2	0.43	< 0.5	11	133	19	3.34	3.51	0.56
148393	255	295	< 5	0.6	7.64	760	< 0.5	< 2	0.78	< 0.5	10	132	24	2.94	3.20	0.72
148394	255	295	< 5	0.6	7.38	590	< 0.5	< 2	0.39	< 0.5	10	100	33	2.79	3.17	0.63
148395	255	295	< 5	1.0	6.98	610	< 0.5	< 2	0.45	< 0.5	9	147	29	2.72	2.96	0.54
148396	255	295	50	5.8	7.28	690	< 0.5	2	1.80	14.5	12	149	119	3.82	2.70	1.10
148397	255	295	35	2.8	8.73	660	< 0.5	< 2	4.52	0.5	30	78	66	6.06	1.37	1.63
148398	255	295	60	3.6	8.89	340	< 0.5	< 2	3.41	0.5	30	67	144	6.89	2.11	1.99
148399	255	295	15	2.2	6.24	380	< 0.5	< 2	0.87	1.0	13	183	86	2.96	2.57	0.42
148400	255	295	< 5	1.0	5.09	410	< 0.5	< 2	0.28	1.5	7	206	22	1.98	2.24	0.27
942801	255	295	< 5	1.4	6.26	580	0.5	< 2	0.23	2.5	8	204	31	2.31	2.75	0.34
942802	255	295	< 5	0.8	6.23	630	< 0.5	< 2	0.18	1.5	8	181	24	2.36	2.75	0.36
942803	255	295	< 5	0.6	6.24	640	< 0.5	< 2	0.27	1.0	8	177	28	2.40	2.69	0.39
942804	255	295	< 5	0.4	6.78	680	< 0.5	< 2	0.21	3.0	9	155	25	2.41	3.05	0.46
942805	255	295	< 5	0.8	7.44	590	< 0.5	< 2	0.33	< 0.5	11	160	42	3.07	3.23	0.58
942806	255	295	< 5	0.4	7.40	270	< 0.5	< 2	0.33	< 0.5	9	118	22	2.30	3.12	0.46
942807	255	295	< 5	0.4	7.41	250	< 0.5	< 2	0.38	1.5	8	116	28	2.51	3.17	0.48
942808	255	295	< 5	0.4	6.94	490	< 0.5	< 2	0.32	< 0.5	11	139	22	3.05	3.04	0.46
942809	255	295	< 5	0.4	6.77	550	0.5	< 2	0.31	< 0.5	11	96	21	2.66	2.96	0.44
942810	255	295	< 5	0.8	7.35	550	< 0.5	< 2	0.59	< 0.5	10	112	21	2.74	3.13	0.50



# 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

Project : 6004  
Comments: ATTN:M.JONES

Page Number : 1-B  
Total Pages : 1  
Certificate Date: 15-NOV-96  
Invoice No. : I9639516  
P.O. Number :  
Account : GP

## CERTIFICATE OF ANALYSIS A9639516

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)			
148383	255 295	380	8	0.15	7	500	26	30	0.11	78	10	40			
148384	255 295	405	9	0.18	8	560	22	33	0.12	94	10	44			
148385	255 295	490	8	0.16	4	560	184	30	0.11	92	< 10	52			
148386	255 295	270	24	0.15	7	500	370	24	0.08	74	10	1390			
148387	255 295	120	38	0.13	5	370	310	19	0.08	57	< 10	142			
148388	255 295	95	74	0.12	6	210	200	19	0.06	38	< 10	116			
148389	255 295	90	60	0.09	5	310	820	12	0.05	32	10	1865			
148390	255 295	465	47	0.14	6	1460	580	49	0.08	54	20	666			
148391	255 295	275	23	0.17	6	600	24	29	0.11	88	< 10	462			
148392	255 295	390	2	0.19	7	620	24	40	0.11	81	10	78			
148393	255 295	555	3	0.24	5	550	36	59	0.12	77	10	66			
148394	255 295	445	24	0.15	7	550	40	35	0.10	71	< 10	112			
148395	255 295	320	16	0.22	7	520	136	39	0.08	65	10	128			
148396	255 295	1080	29	0.48	7	730	1100	92	0.18	97	10	3690			
148397	255 295	1505	< 1	1.56	7	1180	48	388	0.39	168	40	166			
148398	255 295	1520	1	1.72	7	1270	60	255	0.42	194	40	218			
148399	255 295	330	86	0.49	7	520	190	58	0.09	58	10	388			
148400	255 295	140	22	0.17	5	340	228	27	0.08	58	< 10	488			
942801	255 295	170	62	0.17	7	350	290	30	0.08	67	< 10	642			
942802	255 295	195	16	0.18	5	340	120	24	0.09	56	< 10	418			
942803	255 295	250	26	0.16	4	380	84	33	0.08	53	< 10	290			
942804	255 295	345	12	0.20	5	400	52	26	0.10	69	< 10	554			
942805	255 295	500	15	0.20	6	490	68	35	0.10	73	10	82			
942806	255 295	410	5	0.21	7	460	38	39	0.10	64	< 10	46			
942807	255 295	430	4	0.21	5	520	34	42	0.10	68	< 10	308			
942808	255 295	390	22	0.18	8	450	20	36	0.10	70	10	60			
942809	255 295	380	13	0.18	8	450	26	35	0.09	65	10	38			
942810	255 295	605	5	0.26	8	500	24	56	0.09	69	10	48			



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To: WESTMIN RESOURCES LTD.

P.O. BOX 49066, THE BENTALL CENTRE  
 VANCOUVER, BC  
 V7X 1C4

A9640601

Comments: ATTN: M. JONES

**CERTIFICATE** **A9640601**

(GP) - WESTMIN RESOURCES LTD.

Project: 6004  
 P.O. #:

Samples submitted to our lab in Vancouver, BC.  
 This report was printed on 29-NOV-96.

SAMPLE PREPARATION		
CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	52	Geochem ring to approx 150 mesh
226	52	0-3 Kg crush and split
3202	52	Rock - save entire reject
285	52	ICP - HF digestion charge

ANALYTICAL PROCEDURES					
CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	52	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
578	52	Ag ppm: 24 element, rock & core	AAS	0.2	100.0
573	52	Al %: 24 element, rock & core	ICP-AES	0.01	25.0
565	52	Ba ppm: 24 element, rock & core	ICP-AES	10	10000
575	52	Be ppm: 24 element, rock & core	ICP-AES	0.5	1000
561	52	Bi ppm: 24 element, rock & core	ICP-AES	2	10000
576	52	Ca %: 24 element, rock & core	ICP-AES	0.01	25.0
562	52	Cd ppm: 24 element, rock & core	ICP-AES	0.5	500
563	52	Co ppm: 24 element, rock & core	ICP-AES	1	10000
569	52	Cr ppm: 24 element, rock & core	ICP-AES	1	10000
577	52	Cu ppm: 24 element, rock & core	ICP-AES	1	10000
566	52	Fe %: 24 element, rock & core	ICP-AES	0.01	25.0
584	52	K %: 24 element, rock & core	ICP-AES	0.01	10.00
570	52	Mg %: 24 element, rock & core	ICP-AES	0.01	15.00
568	52	Mn ppm: 24 element, rock & core	ICP-AES	5	10000
554	52	Mo ppm: 24 element, rock & core	ICP-AES	1	10000
583	52	Na %: 24 element, rock & core	ICP-AES	0.01	10.00
564	52	Ni ppm: 24 element, rock & core	ICP-AES	1	10000
559	52	P ppm: 24 element, rock & core	ICP-AES	10	10000
560	52	Pb ppm: 24 element, rock & core	AAS	2	10000
582	52	Sr ppm: 24 element, rock & core	ICP-AES	1	10000
579	52	Ti %: 24 element, rock & core	ICP-AES	0.01	10.00
572	52	V ppm: 24 element, rock & core	ICP-AES	1	10000
556	52	W ppm: 24 element, rock & core	ICP-AES	10	10000
558	52	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 FAX: 604-984-0218

To: WESTMIN RESOURCES LTD.

P.O. BOX 49066, THE BENTALL CENTRE  
 VANCOUVER, BC  
 V7X 1C4

Project : 6004  
 Comments: ATTN: M. JONES

Page Number : 1-A  
 Total Pages : 2  
 Certificate Date: 29-NOV-96  
 Invoice No. : I9640601  
 P.O. Number :  
 Account : GP

## CERTIFICATE OF ANALYSIS A9640601

SAMPLE	PREP CODE		Au ppb	Ag ppm	Al %	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %
	FA+AA	AAS	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)
942836	205	226	< 5	< 0.2	5.19	620	1.5	2	0.34	4.0	< 1	56	6	1.13	5.18	0.04
942837	205	226	< 5	< 0.2	5.65	570	1.5	2	0.34	< 0.5	1	52	9	1.50	4.99	0.07
942838	205	226	< 5	< 0.2	5.12	560	1.5	2	0.35	< 0.5	< 1	35	10	1.30	4.67	0.06
942839	205	226	< 5	< 0.2	5.12	480	1.5	2	2.06	0.5	< 1	76	3	1.37	4.24	0.08
942840	205	226	< 5	< 0.2	5.46	570	2.0	< 2	0.49	< 0.5	1	70	3	1.21	4.17	0.06
942841	205	226	< 5	< 0.2	5.54	620	2.0	< 2	1.28	< 0.5	1	100	7	1.43	4.58	0.09
942842	205	226	< 5	< 0.2	5.63	1030	2.5	< 2	0.81	0.5	1	78	8	2.16	5.11	0.20
942843	205	226	< 5	< 0.2	5.70	1060	2.0	6	0.26	0.5	1	52	3	1.85	5.85	0.17
942844	205	226	< 5	< 0.2	6.15	1110	2.0	2	0.53	1.0	1	42	7	1.75	6.62	0.15
942845	205	226	< 5	< 0.2	6.65	1130	2.5	2	0.87	2.0	1	39	8	2.07	6.88	0.21
942846	205	226	< 5	< 0.2	7.00	1200	2.5	2	0.83	3.0	2	38	5	2.43	7.32	0.38
942847	205	226	< 5	< 0.2	5.57	830	2.0	2	1.35	1.0	1	63	2	2.83	5.09	0.64
942848	205	226	< 5	< 0.2	7.63	590	14.0	6	0.36	< 0.5	2	33	79	5.61	3.56	1.75
942849	205	226	< 5	< 0.2	6.44	760	1.5	< 2	1.75	< 0.5	2	65	16	0.83	2.46	0.22
942850	205	226	< 5	< 0.2	7.97	960	1.0	4	1.63	< 0.5	7	25	31	2.93	2.66	0.93
942851	205	226	40	< 0.2	6.89	810	2.0	6	1.56	< 0.5	5	45	11	2.11	1.24	1.29
942852	205	226	10	1.0	5.04	380	< 0.5	2	0.57	2.0	7	84	120	2.48	2.31	0.44
942853	205	226	15	2.6	5.76	350	< 0.5	2	0.35	2.0	9	78	55	2.43	2.74	0.39
942854	205	226	5	1.0	6.12	240	0.5	4	0.33	0.5	8	65	25	2.71	2.75	0.43
942855	205	226	15	0.8	4.90	280	0.5	< 2	0.21	1.5	6	131	29	1.98	2.11	0.32
942856	205	226	30	2.2	4.45	290	< 0.5	2	0.24	36.5	5	89	60	1.93	1.93	0.33
942857	205	226	20	1.4	5.26	290	< 0.5	6	0.27	0.5	6	89	39	2.21	2.14	0.34
942858	205	226	70	2.8	4.77	180	< 0.5	6	0.18	< 0.5	6	61	178	4.46	1.94	0.28
942859	205	226	25	0.8	5.66	340	0.5	2	0.23	< 0.5	6	150	36	2.49	2.32	0.33
942860	205	226	25	1.0	5.83	270	< 0.5	2	0.30	< 0.5	9	134	61	2.74	2.32	0.36
942861	205	226	20	1.2	6.34	290	0.5	2	0.32	< 0.5	11	93	115	2.81	2.54	0.39
942862	205	226	10	0.6	5.60	240	0.5	6	0.24	< 0.5	5	105	23	2.25	2.25	0.32
942863	205	226	15	0.8	5.45	260	0.5	2	0.22	3.0	6	98	25	2.16	2.24	0.32
942864	205	226	10	< 0.2	4.88	350	< 0.5	2	0.28	0.5	4	106	46	1.92	2.06	0.33
942865	205	226	< 5	0.6	5.24	270	0.5	2	0.19	< 0.5	6	92	28	2.00	2.04	0.24
942866	205	226	< 5	< 0.2	5.77	380	0.5	2	0.14	1.5	6	109	58	2.90	2.35	0.27
942867	205	226	< 5	< 0.2	7.74	610	0.5	6	0.16	< 0.5	8	91	98	3.19	3.10	0.56
942868	205	226	< 5	< 0.2	8.00	470	0.5	30	0.40	< 0.5	10	87	104	3.67	3.25	0.70
942869	205	226	15	< 0.2	7.88	450	0.5	4	0.35	< 0.5	8	96	77	3.92	3.01	1.03
942870	205	226	45	0.4	6.88	640	0.5	2	0.22	< 0.5	9	91	33	3.03	2.59	0.46
942871	205	226	50	0.4	6.67	370	< 0.5	4	0.49	< 0.5	16	93	36	4.41	2.17	0.96
942872	205	226	45	1.2	7.04	390	0.5	4	0.17	0.5	11	117	55	3.33	2.88	0.54
942873	205	226	20	0.4	5.86	420	0.5	2	0.14	0.5	5	127	112	2.44	2.35	0.47
942874	205	226	30	2.0	4.75	290	< 0.5	2	0.33	5.0	5	117	288	2.70	1.96	0.31
942875	205	226	< 5	< 0.2	7.73	680	1.0	4	1.45	< 0.5	10	163	89	3.64	3.27	1.14



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To: WESTMIN RESOURCES LTD.

P.O. BOX 49066, THE BENTALL CENTRE  
VANCOUVER, BC  
V7X 1C4

Project : 6004  
Comments: ATTN: M. JONES

Page Number : 1-B  
Total Pages : 2  
Certificate Date: 29-NOV-96  
Invoice No. : I9640601  
P.O. Number :  
Account : GP

## CERTIFICATE OF ANALYSIS A9640601

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)			
942836	205 226	105	1	0.52	< 1	40	8	45	0.09	1	< 10	188			
942837	205 226	195	< 1	0.88	1	50	4	45	0.10	< 1	< 10	58			
942838	205 226	175	< 1	0.64	< 1	50	4	46	0.09	< 1	< 10	48			
942839	205 226	350	2	0.46	< 1	40	10	68	0.09	1	< 10	102			
942840	205 226	155	< 1	1.28	< 1	80	6	52	0.10	1	< 10	50			
942841	205 226	270	< 1	0.69	1	70	16	97	0.10	3	< 10	78			
942842	205 226	410	< 1	0.27	2	80	12	114	0.10	3	< 10	168			
942843	205 226	190	1	0.22	< 1	50	8	51	0.10	3	< 10	266			
942844	205 226	180	< 1	0.16	1	70	8	54	0.12	4	< 10	266			
942845	205 226	255	< 1	0.17	< 1	80	12	60	0.13	4	< 10	342			
942846	205 226	305	1	0.24	2	80	28	66	0.14	6	< 10	414			
942847	205 226	530	< 1	0.19	3	50	16	60	0.13	10	< 10	336			
942848	205 226	615	1	0.69	5	160	2	85	0.42	68	< 10	252			
942849	205 226	190	2	2.26	2	90	16	110	0.05	7	< 10	18			
942850	205 226	695	1	2.53	3	680	14	178	0.24	34	< 10	76			
942851	205 226	675	9	2.04	3	180	6	130	0.25	43	< 10	78			
942852	205 226	255	14	0.32	6	200	74	54	0.08	57	30	368			
942853	205 226	240	16	0.33	7	330	130	45	0.08	55	< 10	368			
942854	205 226	180	9	0.20	5	340	44	37	0.06	61	< 10	150			
942855	205 226	140	12	0.16	5	170	64	29	0.06	40	< 10	296			
942856	205 226	195	77	0.12	4	170	120	30	0.06	48	< 10	5020			
942857	205 226	170	18	0.15	7	200	46	39	0.07	43	< 10	170			
942858	205 226	140	41	0.10	7	200	44	24	0.05	44	< 10	90			
942859	205 226	170	21	0.15	5	150	50	32	0.06	42	< 10	202			
942860	205 226	195	8	0.12	7	330	40	28	0.07	58	< 10	114			
942861	205 226	220	22	0.15	8	400	60	35	0.07	61	< 10	68			
942862	205 226	150	8	0.11	5	170	44	26	0.06	41	< 10	162			
942863	205 226	180	10	0.17	2	170	50	24	0.07	45	< 10	850			
942864	205 226	190	16	0.12	4	170	18	17	0.07	39	< 10	46			
942865	205 226	115	11	0.20	5	130	92	19	0.06	37	< 10	200			
942866	205 226	140	7	0.18	4	280	18	12	0.06	47	< 10	322			
942867	205 226	250	3	0.19	4	390	2	13	0.12	80	< 10	22			
942868	205 226	460	4	0.19	7	390	8	18	0.17	96	< 10	28			
942869	205 226	995	1	0.29	3	390	6	27	0.15	108	< 10	62			
942870	205 226	900	2	0.38	4	400	10	30	0.10	55	< 10	48			
942871	205 226	2460	2	0.43	6	370	20	28	0.28	91	< 10	134			
942872	205 226	630	6	0.22	7	300	36	18	0.11	55	< 10	158			
942873	205 226	265	38	0.14	3	270	20	11	0.08	47	< 10	358			
942874	205 226	220	49	0.13	5	460	110	14	0.05	52	< 10	1120			
942875	205 226	860	6	0.19	21	410	14	47	0.25	133	10	80			





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To: WESTMIN RESOURCES LTD.

P.O. BOX 49066, THE BENTALL CENTRE  
 VANCOUVER, BC  
 V7X 1C4

Project : 6004  
 Comments: ATTN: M. JONES

Page Number :2-A  
 Total Pages :2  
 Certificate Date: 29-NOV-96  
 Invoice No. :I9640601  
 P.O. Number :  
 Account :GP

## CERTIFICATE OF ANALYSIS A9640601

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)
942876	205 226	< 5	< 0.2	7.76	780	0.5	6	1.21	< 0.5	6	100	26	2.79	2.52	0.64
942877	205 226	< 5	< 0.2	7.45	620	0.5	2	3.20	< 0.5	6	57	20	2.86	2.86	0.74
942878	205 226	< 5	< 0.2	8.04	960	0.5	2	2.07	< 0.5	7	62	16	3.47	2.77	0.90
942879	205 226	< 5	< 0.2	7.88	430	1.0	2	2.06	< 0.5	4	79	18	2.73	2.20	0.73
942880	205 226	< 5	< 0.2	7.57	590	0.5	6	2.26	< 0.5	5	62	19	3.18	3.01	0.99
942881	205 226	< 5	< 0.2	6.71	350	0.5	4	1.93	< 0.5	5	46	20	2.92	2.67	0.67
942882	205 226	< 5	< 0.2	6.71	500	0.5	< 2	0.92	< 0.5	5	77	15	2.74	3.06	0.71
942883	205 226	10	< 0.2	8.66	440	< 0.5	6	3.50	< 0.5	14	46	64	5.38	1.97	1.15
942884	205 226	< 5	< 0.2	7.66	250	< 0.5	2	4.82	< 0.5	19	139	85	4.46	1.27	2.36
942885	205 226	< 5	< 0.2	8.65	390	< 0.5	2	4.67	< 0.5	11	46	17	3.90	1.38	1.54
942886	205 226	< 5	< 0.2	8.80	160	< 0.5	2	3.93	< 0.5	12	22	52	4.95	0.85	1.60
942887	205 226	< 5	< 0.2	9.08	160	< 0.5	2	3.54	< 0.5	13	18	64	5.26	0.85	1.70



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 V7X 1C4

Project : 6004  
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Page Number :2-B  
 Total Pages :2  
 Certificate Date: 29-NOV-96  
 Invoice No. : I9640601  
 P.O. Number :  
 Account : GP

## CERTIFICATE OF ANALYSIS A9640601

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)			
942876	205 226	955	1	1.28	2	270	10	113	0.27	82	< 10	62			
942877	205 226	1015	2	0.46	1	480	4	52	0.30	77	10	58			
942878	205 226	1515	1	1.10	4	540	6	115	0.34	100	< 10	74			
942879	205 226	785	2	1.05	< 1	540	8	91	0.37	58	10	54			
942880	205 226	1110	2	0.52	< 1	630	6	88	0.40	72	10	66			
942881	205 226	700	4	0.12	< 1	580	2	39	0.30	62	10	56			
942882	205 226	565	4	0.33	< 1	580	6	44	0.24	58	< 10	46			
942883	205 226	1320	< 1	0.96	1	750	4	114	0.41	189	10	100			
942884	205 226	1170	< 1	2.03	28	420	< 2	270	0.31	178	10	72			
942885	205 226	970	< 1	2.15	6	660	< 2	304	0.36	179	< 10	66			
942886	205 226	1470	< 1	3.66	< 1	840	< 2	302	0.42	187	10	86			
942887	205 226	1375	< 1	3.80	4	850	< 2	275	0.43	202	< 10	84			



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To: WESTMIN RESOURCES LTD.

P.O. BOX 49066, THE BENTALL CENTRE  
VANCOUVER, BC  
V7X 1C4

A9641377

Comments: ATTN: M. JONES

**CERTIFICATE**

**A9641377**

(GP) - WESTMIN RESOURCES LTD.

Project: 6004  
P.O. #:

Samples submitted to our lab in Vancouver, BC.  
This report was printed on 1-DEC-96.

## SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	23	Geochem ring to approx 150 mesh
294	23	4-7 Kg crush and split
3202	23	Rock - save entire reject
285	23	ICP - HF digestion charge

## ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	23	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
578	23	Ag ppm: 24 element, rock & core	AAS	0.2	100.0
573	23	Al %: 24 element, rock & core	ICP-AES	0.01	25.0
565	23	Ba ppm: 24 element, rock & core	ICP-AES	10	10000
575	23	Be ppm: 24 element, rock & core	ICP-AES	0.5	1000
561	23	Bi ppm: 24 element, rock & core	ICP-AES	2	10000
576	23	Ca %: 24 element, rock & core	ICP-AES	0.01	25.0
562	23	Cd ppm: 24 element, rock & core	ICP-AES	0.5	500
563	23	Co ppm: 24 element, rock & core	ICP-AES	1	10000
569	23	Cr ppm: 24 element, rock & core	ICP-AES	1	10000
577	23	Cu ppm: 24 element, rock & core	ICP-AES	1	10000
566	23	Fe %: 24 element, rock & core	ICP-AES	0.01	25.0
584	23	K %: 24 element, rock & core	ICP-AES	0.01	10.00
570	23	Mg %: 24 element, rock & core	ICP-AES	0.01	15.00
568	23	Mn ppm: 24 element, rock & core	ICP-AES	5	10000
554	23	Mo ppm: 24 element, rock & core	ICP-AES	1	10000
583	23	Na %: 24 element, rock & core	ICP-AES	0.01	10.00
564	23	Ni ppm: 24 element, rock & core	ICP-AES	1	10000
559	23	P ppm: 24 element, rock & core	ICP-AES	10	10000
560	23	Pb ppm: 24 element, rock & core	AAS	2	10000
582	23	Sr ppm: 24 element, rock & core	ICP-AES	1	10000
579	23	Ti %: 24 element, rock & core	ICP-AES	0.01	10.00
572	23	V ppm: 24 element, rock & core	ICP-AES	1	10000
556	23	W ppm: 24 element, rock & core	ICP-AES	10	10000
558	23	Zn ppm: 24 element, rock & core	ICP-AES	2	10000



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Project: 6004  
 Comments: ATTN: M. JONES

QC Page #: 1-A  
 Tot QC Pg: 1  
 Date: 01-DEC-96  
 Invoice #: 19641377  
 P.O. #: GP

## QC DATA OF CERTIFICATE A9641377

STD/DUP/BLANK DESCRIPTION	QC PAGE TYPE NO.	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)
FMC-1 CHEMEX MEAN	Std1 1 ---	340 363	----	----	----	----	----	----	----	----	----	----	----	----	----
G96-TOT CHEMEX MEAN	Std1 1 ---	----	----	7.79 7.52	1190 1155	0.5 0.5	< 2 < 2	2.21 2.04	1.0 1.0	19 16	104 97	190 177	4.89 4.41	2.05 1.86	1.07 1.03
GEO-96 CHEMEX MEAN	Std1 1 ---	----	5.4 5.5	----	----	----	----	----	----	----	----	----	----	----	----
942888	Dup1-01 Orig1-01	< 5 < 5	< 0.2 < 0.2	6.41 6.48	550 560	0.5 0.5	< 2 < 2	2.12 2.14	0.5 < 0.5	3 3	91 97	7 5	1.24 1.23	2.23 2.26	0.48 0.47



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P.O. BOX 49066, THE BENTALL CENTRE  
 VANCOUVER, BC  
 V7X 1C4

Project: 6004  
 Comments: ATTN: M. JONES

QC Page #: 1-B  
 Tot QC Pg: 1  
 Date: 01-DEC-96  
 Invoice #: I9641377  
 P.O. #: GP

## QC DATA OF CERTIFICATE

A9641377

STD/DUP/BLANK DESCRIPTION	QC PAGE TYPE NO.	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)			
FMC-1 CHEMEX MEAN	Std1 1 --- ---	----- -----	----- -----	----- -----	----- -----	----- -----	----- -----	----- -----	----- -----	----- -----	----- -----	----- -----			
G96-TOT CHEMEX MEAN	Std1 1 --- ---	1110 927	8 9	0.96 1.03	24 20	670 648	----- -----	225 226	0.37 0.35	169 156	< 10 20	190 186			
GEO-96 CHEMEX MEAN	Std1 1 --- ---	----- -----	----- -----	----- -----	----- -----	----- -----	130 120	----- -----	----- -----	----- -----	----- -----	----- -----			
942888	Dup1-01 Orig1-01	355 365	< 1 < 1	2.56 2.61	3 < 1	250 270	10 10	85 86	0.13 0.14	21 21	< 10 < 10	38 38			



# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers  
 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
 PHONE: 604-984-0221 FAX: 604-984-0218

To: WESTMIN RESOURCES LTD.

P.O. BOX 49066, THE BENTALL CENTRE  
 VANCOUVER, BC  
 V7X 1C4

Project : 6004  
 Comments: ATTN: M. JONES

Page Number : 1-A  
 Total Pages : 1  
 Certificate Date: 01-DEC-96  
 Invoice No. : I9641377  
 P.O. Number :  
 Account : GP

## CERTIFICATE OF ANALYSIS A9641377

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)
942888	205 294	< 5	< 0.2	6.48	560	0.5	< 2	2.14	< 0.5	3	97	5	1.23	2.26	0.47
942889	205 294	< 5	< 0.2	6.29	430	0.5	< 2	1.48	< 0.5	3	56	10	1.31	2.16	0.52
942890	205 294	< 5	< 0.2	6.20	340	0.5	< 2	1.84	< 0.5	3	79	19	1.33	2.01	0.56
942891	205 294	< 5	< 0.2	7.82	670	0.5	< 2	5.05	0.5	22	56	25	4.69	4.42	1.89
942892	205 294	< 5	< 0.2	6.61	680	0.5	< 2	1.38	< 0.5	4	117	40	1.50	2.59	0.57
942893	205 294	< 5	< 0.2	6.99	890	0.5	< 2	1.12	< 0.5	4	56	1	1.52	2.66	0.70
942894	205 294	< 5	< 0.2	7.35	600	0.5	< 2	2.99	< 0.5	9	117	23	2.76	3.21	0.71
942895	205 294	< 5	< 0.2	6.04	330	0.5	< 2	2.95	< 0.5	7	75	7	1.51	2.86	0.45
942896	205 294	< 5	< 0.2	6.90	840	0.5	< 2	3.55	< 0.5	5	97	1	1.57	2.24	0.52
942897	205 294	< 5	< 0.2	7.59	1680	0.5	< 2	2.41	< 0.5	5	75	2	1.76	1.46	0.66
942898	205 294	< 5	< 0.2	7.74	920	0.5	< 2	1.92	< 0.5	10	110	44	3.78	1.86	0.72
942899	205 294	< 5	< 0.2	8.06	780	0.5	< 2	2.53	< 0.5	6	57	40	2.31	2.00	0.63
942900	205 294	< 5	< 0.2	8.33	810	0.5	< 2	2.28	< 0.5	8	66	74	2.86	1.28	0.92
942901	205 294	< 5	< 0.2	8.24	530	0.5	< 2	2.00	< 0.5	7	43	58	2.84	1.27	0.86
942902	205 294	< 5	0.6	8.42	720	0.5	< 2	2.42	0.5	9	57	1875	2.97	1.68	0.76
942903	205 294	< 5	< 0.2	8.22	580	0.5	< 2	1.99	< 0.5	8	43	16	2.55	1.49	0.78
942904	205 294	< 5	< 0.2	8.50	910	0.5	< 2	1.94	< 0.5	9	64	976	2.89	1.48	0.85
942905	205 294	< 5	< 0.2	8.22	790	0.5	< 2	2.40	< 0.5	9	49	1260	3.01	1.50	0.82
942906	205 294	< 5	< 0.2	9.13	580	1.0	< 2	2.69	0.5	8	49	13	2.75	2.24	0.70
942907	205 294	< 5	0.4	8.63	510	0.5	< 2	2.22	2.0	28	55	847	3.02	0.93	0.77
942908	205 294	< 5	< 0.2	8.22	780	0.5	< 2	2.34	0.5	7	96	134	2.13	1.44	0.50
942909	205 294	< 5	< 0.2	7.93	1190	0.5	< 2	1.16	< 0.5	6	67	11	1.56	2.52	0.53
942910	205 294	< 5	< 0.2	7.45	940	0.5	< 2	1.81	< 0.5	6	97	14	1.74	1.87	0.45



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Analytical Chemists \* Geochemists \* Registered Assayers

212 Brooksbank Ave., North Vancouver  
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PHONE: 604-984-0221 FAX: 604-984-0218

To: WESTMIN RESOURCES LTD.

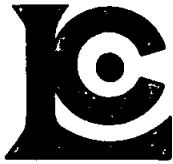
P.O. BOX 49066, THE BENTALL CENTRE  
VANCOUVER, BC  
V7X 1C4

Project : 6004  
Comments: ATTN: M. JONES

Page Number : 1-B  
Total Pages : 1  
Certificate Date: 01-DEC-96  
Invoice No. : 19641377  
P.O. Number :  
Account : GP

## CERTIFICATE OF ANALYSIS A9641377

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)			
942888	205 294	365	< 1	2.61	< 1	270	10	86	0.14	21	< 10	38			
942889	205 294	420	7	2.52	< 1	260	20	70	0.14	24	< 10	38			
942890	205 294	400	6	2.28	1	240	24	59	0.14	25	< 10	34			
942891	205 294	1065	< 1	0.29	10	650	12	106	0.37	181	< 10	82			
942892	205 294	545	1	1.68	< 1	290	56	117	0.16	31	< 10	44			
942893	205 294	485	< 1	2.56	2	300	6	211	0.15	29	< 10	52			
942894	205 294	625	< 1	1.40	9	430	8	151	0.39	124	< 10	44			
942895	205 294	490	1	0.87	2	280	< 2	75	0.13	76	< 10	24			
942896	205 294	665	< 1	2.64	1	290	< 2	253	0.14	34	< 10	70			
942897	205 294	705	1	4.00	< 1	370	6	181	0.20	33	< 10	72			
942898	205 294	755	1	3.29	2	430	< 2	214	0.22	48	< 10	34			
942899	205 294	680	3	3.10	< 1	530	4	113	0.22	55	< 10	40			
942900	205 294	685	< 1	3.62	1	560	4	211	0.26	61	< 10	30			
942901	205 294	655	< 1	3.75	< 1	520	2	173	0.26	60	< 10	26			
942902	205 294	640	< 1	3.53	< 1	510	2	188	0.24	59	< 10	24			
942903	205 294	540	< 1	3.69	2	480	4	160	0.23	54	< 10	22			
942904	205 294	685	1	3.81	1	510	2	219	0.26	55	< 10	22			
942905	205 294	695	4	3.73	< 1	490	< 2	222	0.26	56	< 10	22			
942906	205 294	550	4	3.44	< 1	500	4	152	0.24	58	< 10	28			
942907	205 294	405	3	4.28	1	560	2	245	0.29	61	< 10	40			
942908	205 294	305	1	4.10	1	410	4	220	0.23	49	< 10	20			
942909	205 294	220	4	3.56	1	400	4	173	0.22	43	< 10	16			
942910	205 294	290	< 1	3.40	6	330	< 2	210	0.21	40	< 10	16			



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To: WESTMIN RESOURCES LTD.

P.O. BOX 49066, THE BENTALL CENTRE  
VANCOUVER, BC  
V7X 1C4

A9639452

Comments: ATTN: M. JONES

**CERTIFICATE**

**A9639452**

(GP) - WESTMIN RESOURCES LTD.

Project: 6004  
P.O. #:

Samples submitted to our lab in Vancouver, BC.  
This report was printed on 15-NOV-96.

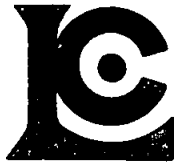
## SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	4	Geochem ring to approx 150 mesh
226	4	0-3 Kg crush and split
3202	4	Rock - save entire reject
285	4	ICP - HF digestion charge

## ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	4	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
578	4	Ag ppm: 24 element, rock & core	AAS	0.2	100.0
573	4	Al %: 24 element, rock & core	ICP-AES	0.01	25.0
565	4	Ba ppm: 24 element, rock & core	ICP-AES	10	10000
575	4	Be ppm: 24 element, rock & core	ICP-AES	0.5	1000
561	4	Bi ppm: 24 element, rock & core	ICP-AES	2	10000
576	4	Ca %: 24 element, rock & core	ICP-AES	0.01	25.0
562	4	Cd ppm: 24 element, rock & core	ICP-AES	0.5	500
563	4	Co ppm: 24 element, rock & core	ICP-AES	1	10000
569	4	Cr ppm: 24 element, rock & core	ICP-AES	1	10000
577	4	Cu ppm: 24 element, rock & core	ICP-AES	1	10000
566	4	Fe %: 24 element, rock & core	ICP-AES	0.01	25.0
584	4	K %: 24 element, rock & core	ICP-AES	0.01	10.00
570	4	Mg %: 24 element, rock & core	ICP-AES	0.01	15.00
568	4	Mn ppm: 24 element, rock & core	ICP-AES	5	10000
554	4	Mo ppm: 24 element, rock & core	ICP-AES	1	10000
583	4	Na %: 24 element, rock & core	ICP-AES	0.01	10.00
564	4	Ni ppm: 24 element, rock & core	ICP-AES	1	10000
559	4	P ppm: 24 element, rock & core	ICP-AES	10	10000
560	4	Pb ppm: 24 element, rock & core	AAS	2	10000
582	4	Sr ppm: 24 element, rock & core	ICP-AES	1	10000
579	4	Ti %: 24 element, rock & core	ICP-AES	0.01	10.00
572	4	V ppm: 24 element, rock & core	ICP-AES	1	10000
556	4	W ppm: 24 element, rock & core	ICP-AES	10	10000
558	4	Zn ppm: 24 element, rock & core	ICP-AES	2	10000





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To: WESTMIN RESOURCES LTD.

P.O. BOX 49066, THE BENTALL CENTRE  
 VANCOUVER, BC  
 V7X 1C4

Project : 6004  
 Comments: ATTN: M. JONES

Page Number : 1-A  
 Total Pages : 1  
 Certificate Date: 15-NOV-96  
 Invoice No. : I9639452  
 P.O. Number :  
 Account : GP

## CERTIFICATE OF ANALYSIS A9639452

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)
118833	205 226	30	0.8	3.09	180	< 0.5	< 2	0.04	3.0	5	214	38	1.80	1.34	0.17
118835	205 226	30	1.6	7.06	180	< 0.5	< 2	0.26	0.5	22	87	413	5.52	3.10	0.71
118836	205 226	140	4.4	5.88	410	< 0.5	< 2	0.19	0.5	17	124	402	5.18	2.51	0.31
118837	205 226	< 5	0.6	0.17	< 10	< 0.5	10	0.13	< 0.5	137	273	272	10.05	0.01	0.03



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VANCOUVER, BC  
V7X 1C4

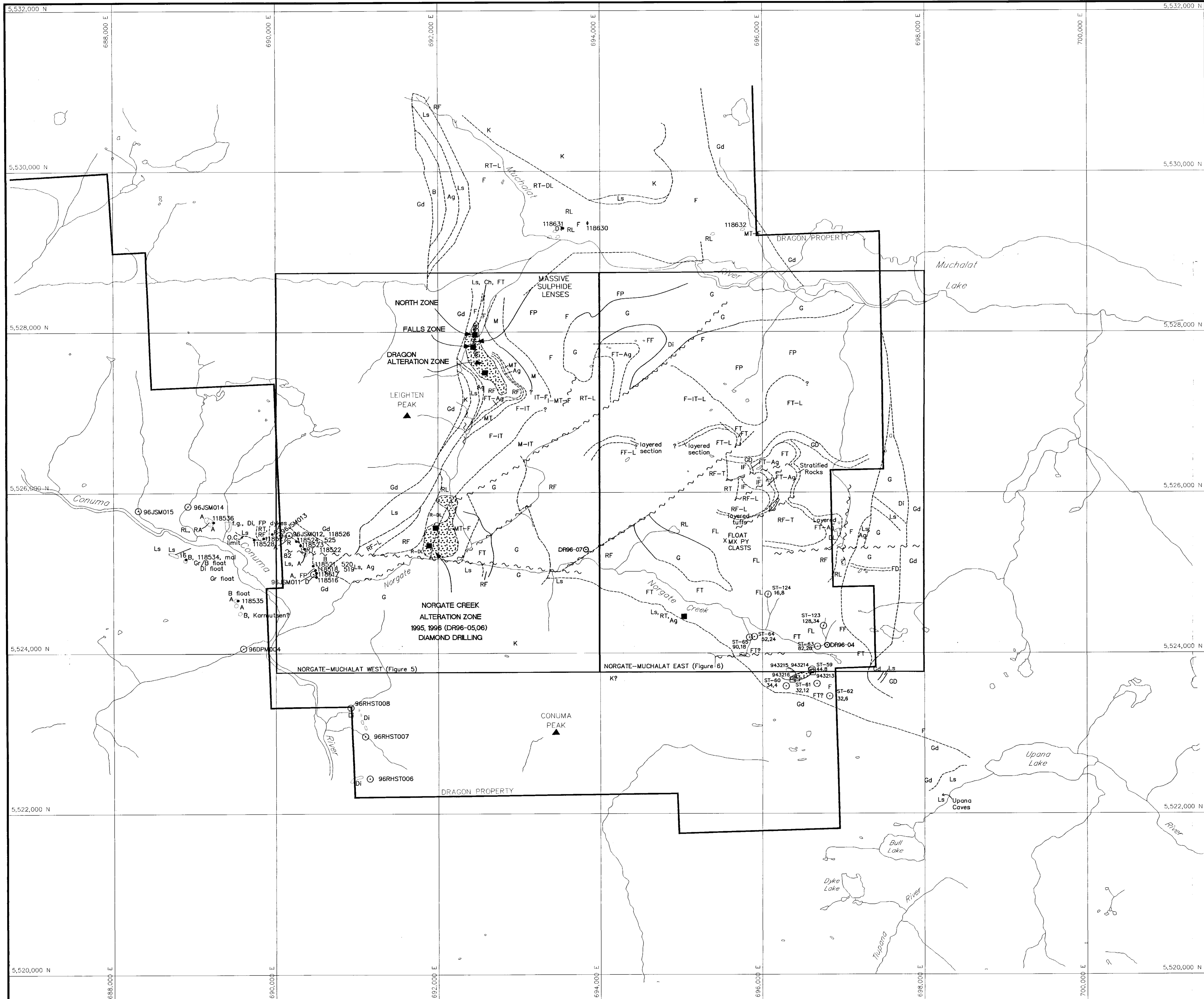
Project: 6004  
Comments: ATTN: M. JONES

Page Number : 1-B  
Total Pages : 1  
Certificate Date: 15-NOV-96  
Invoice No. : I9639452  
P.O. Number :  
Account : GP

## CERTIFICATE OF ANALYSIS

### A9639452

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)			
118833	205 226	135	164	0.06	4	160	104	5	0.06	44	< 10	580			
118835	205 226	1840	8	0.17	11	830	88	28	0.20	190	30	472			
118836	205 226	130	24	0.22	14	500	154	44	0.20	150	20	142			
118837	205 226	470	206	0.01	89	50	< 2	1	0.37	11	30	6			



**LEGEND**

- LATE DYKES**
- AD Andesite Dyke
  - FP Feldspar Porphyry Dyke
  - FDpp Feldspar Porphyry Intermediate Dyke
- ISLAND PLUTONIC INTRUSIONS (Jurassic)**
- G Gabbro
  - Di Diorite
  - Gr Granite
  - Gd Granodiorite
- VANCOUVER GROUP (Triassic)**
- K Karmutsen Fm Basalt, Gabbro
- SICKER GROUP (Paleozoic)**
- Ls Limestone
  - Ch Chert
  - Ag Argillite
  - St Siltstone
  - F Felsic Volcanic
  - R Rhyolite
  - D Dacite
  - A Andesite
  - I Intermediate Volcanic
  - B Basalt
  - M Mafic Volcanic
- ROCK DESCRIPTORS**
- L Lapilli Tuff
  - A Agglomerate
  - T Tuff
  - F Flow
  - D Karmutsen Fm Basalt, Gabbro

- ABBREVIATIONS**
- biot biotite
  - bs brecciated
  - cd cordierite
  - c.g. coarse grained
  - chl chlorite
  - chp chalcopyrite
  - ep epidote
  - f.b. flow banded
  - f.g. fine grained
  - frag fragmental
  - goss gossan
  - gt garnet
  - mag magnetite
  - mal malachite
  - po pyrrhotite
  - py pyrite
  - qtz sericite

- 943090 Westmin Rock Samples ('96)
- ◻ 943072 Westmin Rock Samples (Fall '95)
- ◻ 943072 Westmin Rock Samples (Spring '95)
- ◻ 286-E Noranda Rock Samples
- ST-23 Silt Sample, Zn,Pb ppm
- 12,20
- ~ Fault
- ⊃ Strike and Slip
- ⊃ Fault (strike & dip)
- ⊃ Bedding (strike & dip)
- ⊃ Joints (strike & dip)
- ⊃ Foliation (strike & dip)
- Drill Hole
- Outcrop
- Geological Contact (defined, assumed)
- Alteration Zone
- Cu, Pb, Zn mineralization

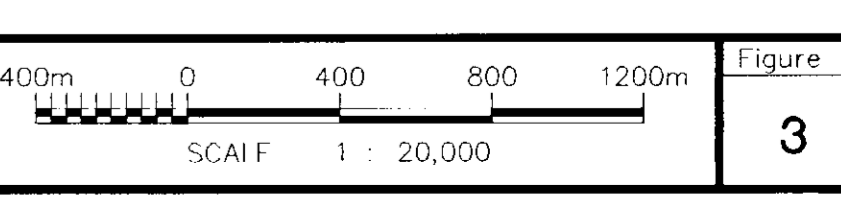
GEOLOGICAL SURVEY BR. NC 11  
ASSESSMENT REPORT

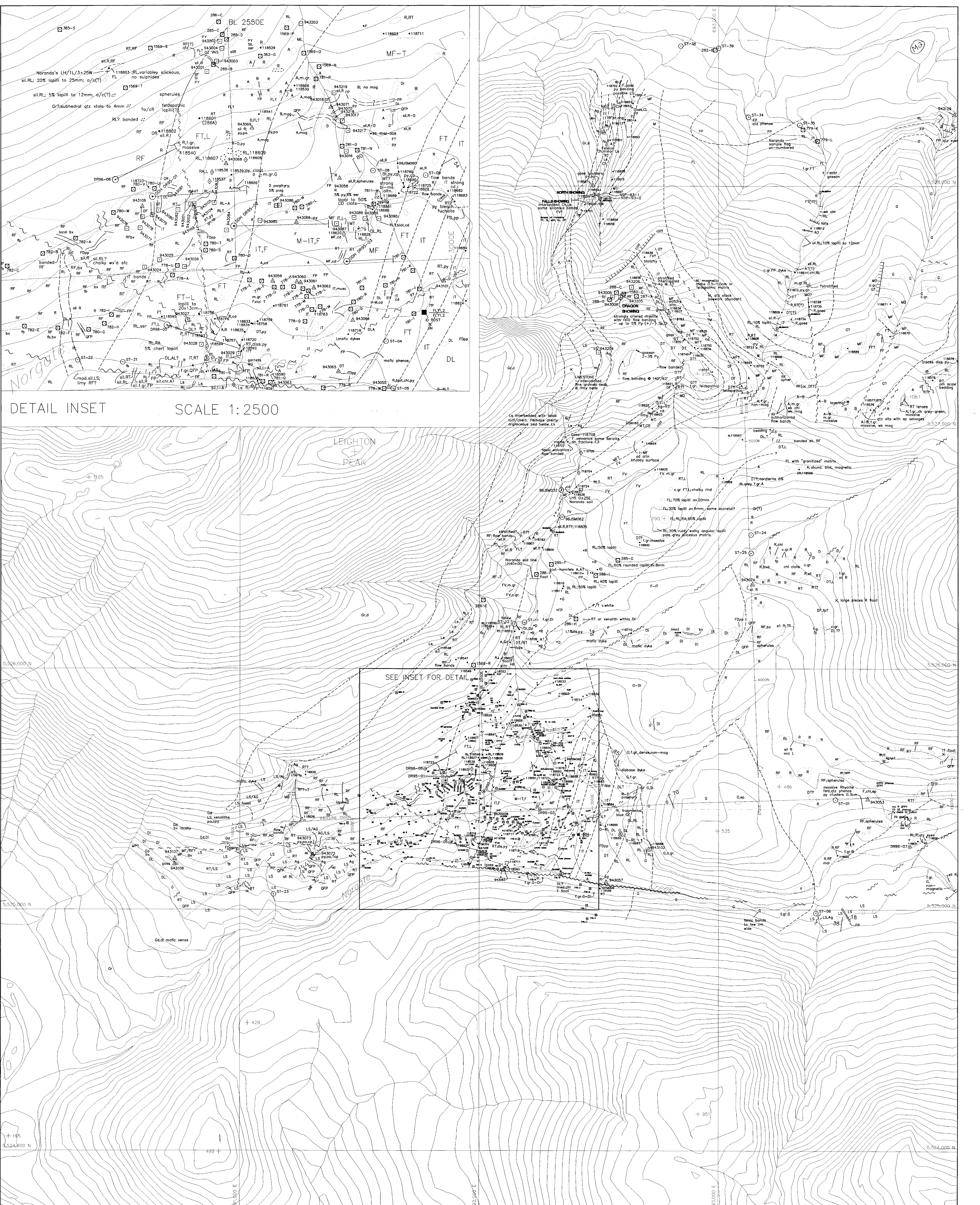
24,895

**WESTMIN** Westmin Resources Limited

Work By	M. Jones
Date Drafted	02/29/96
Drafted By	GEO DRAFTING
Date Revised	Sept. 26, 1996
Revised By	J.M. Klein
N.T.S. Number	92 E/16
File Name	SCAIF
GEO	SIH

**DRAGON PROJECT**  
GENERALIZED GEOLOGY MAP  
(South Half)





DETAIL INSET SCALE 1:2500

**ROCK CLASSIFICATIONS**

- LATE DYKES**  
 AD Andesite Dyke  
 FP Feldspar Porphyry Dyke  
 FDpp Feldspar Porphyry Intermediate Dyke  
 QFP Quartz Feldspar Porphyry
- ISLAND PLUTONIC INTRUSIONS (Jurassic)**  
 G Gabbro  
 Di Diorite  
 Gr Granite  
 Gd Granodiorite
- VANCOUVER GROUP (Triassic)**  
 K Karmutsen Fm Basalt, Gabbro

- SICKER GROUP (Paleozoic)**  
 Ls Limestone  
 Ch Chert  
 Ag Argillite  
 St Siltstone  
 F Felsic Volcanic  
 R Rhyolite  
 D Dacite  
 A Andesite  
 I Intermediate Volcanic  
 B Basalt  
 M Mafic Volcanic
- ROCK DESCRIPTORS**  
 L Lapilli Tuff  
 A Agglomerate  
 T Tuff  
 F Flow

**LEGEND**

- ABBREVIATIONS**  
 bi, biot biotite  
 bx, bs brecciated  
 cd cordierite  
 c.g. coarse grained  
 chl chlorite  
 chlcp chalcopyrite  
 ep epidote  
 f.b. flow banded  
 f.g. fine grained  
 m.g. medium grained  
 c.g. coarse grained  
 frag fragmental  
 M Mafic Volcanic  
 goss gossan  
 gal, gn galena  
 gt garnet  
 hem hematite

- ABBREVIATIONS**  
 limnt limonite  
 mag magnetite  
 mal malachite  
 mu muscovite  
 o/c outcrop  
 po pyrrhotite  
 py pyrite  
 qtz quartz  
 ser sericite  
 sil silicified  
 sl, sp sphalerite  
 spher spherulites  
 spherulitic spherulitic xenoliths  
 xenos xenos

- SYMBOLS**
- 118681 Westmin Rock + Soil Samples (Fall '96)
  - 943080 Westmin Rock Samples (Fall '95)
  - 286-E Westmin Rock Samples (Spring '95)
  - Noranda Rock Samples
  - ST-23 Noranda Sample Site
  - 118682 Noranda Sample Site
  - Fault
  - Strike and Slip
  - Fault (strike & dip)
  - Bedding (strike & dip)
  - Joints (strike & dip)
  - Foliation (strike & dip)
  - Drill Hole
  - Outcrop
  - Geological Contact (defined, assumed)
  - Logging Road
  - Cliff scarp

UTM GRID NORTH

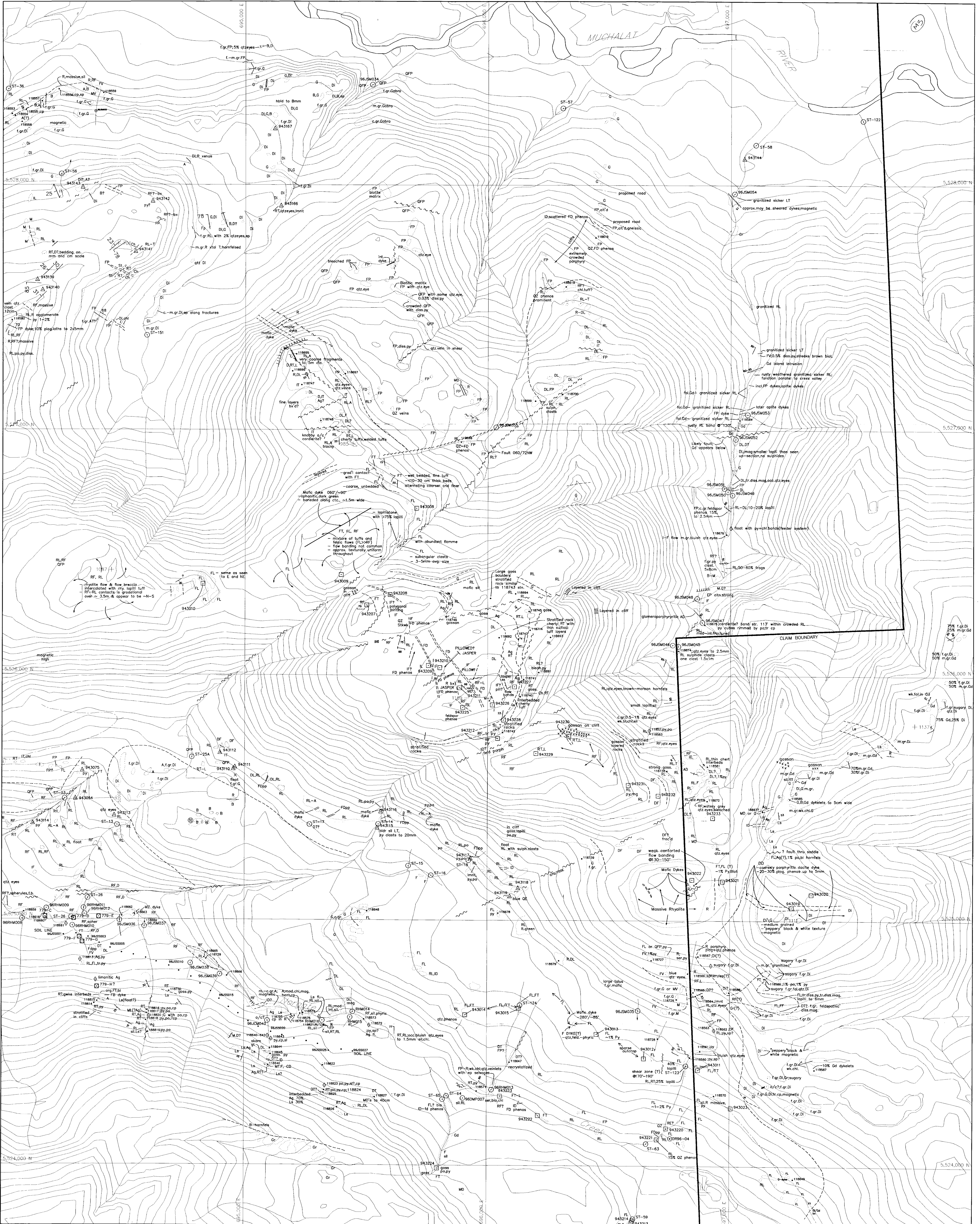
24,895

Westmin Resources Limited

**DRAGON PROJECT**  
 NORGATE GRID  
 (West Sheet)

Scale 1:5,000

4



**ROCK CLASSIFICATIONS**

- LATE DYKES**
- AD Andesite Dyke
  - FP Feldspar Porphyry Dyke
  - FDpp Feldspar Porphyry Intermediate Dyke
  - QFP Quartz Feldspar Porphyry
- ISLAND PLUTONIC INTRUSIONS (Jurassic)**
- G Gabbro
  - Di Diorite
  - Gr Granite
  - Gd Granodiorite
- VANCOUVER GROUP (Triassic)**
- K Karmutsen Fm Basalt, Gabbro

- SICKER GROUP (Paleozoic)**
- Ls Limestone
  - Ch Chert
  - Ag Argillite
  - St Siltstone
  - F Felsic Volcanic
  - R Rhyolite
  - D Dacite
  - A Andesite
  - I Intermediate Volcanic
  - B Basalt
  - M Mafic Volcanic
- ROCK DESCRIPTORS**
- L Lapilli Tuff
  - A Agglomerate
  - T Tuff
  - F Flow

**LEGEND**

- ABBREVIATIONS**
- bi, biot biotite
  - bx, bs brecciated
  - cd cordierite
  - c.g. coarse grained
  - chl chlorite
  - cpy chalcopryrite
  - ep epidote
  - fb flow banded
  - f.g. fine grained
  - m.g. medium grained
  - c.g. coarse grained
  - frag fragmental
  - frag Mafic Volcanic
  - goss gossan
  - gal, gn galena
  - gt garnet
  - hem hematite
- ABBREVIATIONS**
- lmnt limonite
  - mag magnetite
  - mal malachite
  - mu muscovite
  - o/c outcrop
  - py pyrrhotite
  - py pyrite
  - qtz quartz
  - ser sericite
  - sil silicified
  - sl, sp spherulite
  - spher spherulites
  - xenos xenoliths
- SYMBOLS**
- Westmin Rock + Soil Samples (Fall '96)
  - Westmin Rock Samples (Fall '95)
  - Westmin Rock Samples (Spring '95)
  - Noranda Rock Samples
  - Silt Sample
  - Fault Sample site
  - Fault
  - Strike and Slip
  - Fault (strike & dip)
  - Bedding (strike & dip)
  - Joints (strike & dip)
  - Foliation (strike & dip)
  - Drill Hole
  - Outcrop
  - Geological Contact (defined, assumed)
  - Logging Road
  - Cliff scarp

UTM GRID NORTH

24,895

**Westmin Resources Limited**

**DRAGON PROJECT**  
NORGATE GRID  
(East Sheet)

Scale: 1 : 5,000

5