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SAIL PROPERTY

**1998 ASSESSMENT REPORT ON GEOLOGICAL MAPPING,
GEOCHEMICAL ROCK AND SOIL SAMPLING SURVEYS**

**ON THE SAIL 1 TO 8 MINERAL CLAIMS,
CASSIAR MOUNTAINS, BRITISH COLUMBIA**

DATES WORKED: August 4 to 29, 1998

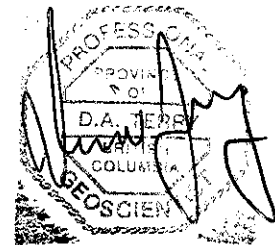
**NTS MAP AREA 104I/15
LATITUDE 58° 47'00" N, LONGITUDE 128° 45'00" W
LIARD MINING DIVISION**

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June, 1999



**GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT**

25,932

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1.0 INTRODUCTION

The SAIL 1 – 6 mineral claims were staked by Westmin Resources Ltd. in July, 1996 to follow-up on base metal anomalies generated during silt sampling surveys by Western Mines Limited (Westmin Resources Limited's precursor company) in 1979 and the B.C. Geological Survey in 1995 (Jackaman, 1996). A number of rock and soil samples containing anomalous concentrations of gold and base metals were identified during 1996 exploration. Rocks containing up to 32.4 % lead, 1.1 % zinc and 0.25 % copper were obtained from a mineralized fault zone. A quartz-sericite-pyrite schist unit contained up to 5.0 g/t gold. Numerous precious and base metal geochemical soil anomalies were also identified (Jones, 1997).

Fieldwork was concentrated on the SAIL 5 and 6 mineral claims during 1997 exploration. The contour soil anomalies delineated during 1996 exploration were better-defined by grid geochemical soil sampling. Mineralized float boulders containing massive sulphides were discovered. These massive sulphide boulders contain up to 15% chalcopyrite and 65 to 80 % pyrrhotite within a silica-chlorite gangue. The bedrock source of the boulders was not determined in 1997 due to extremely steep topography in the apparent source area. A linear gossan approximately 500 m in length on an east-facing cliff face was thought to be the bedrock source of the massive sulphide boulders. Locally anomalous concentrations of gold and zinc occur within a quartz-sericite-pyrite schist within the property area. Whole rock geochemical analyses indicated that this unit could be a felsic meta-volcanic rock.

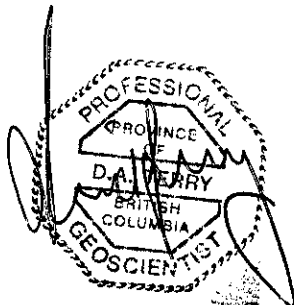
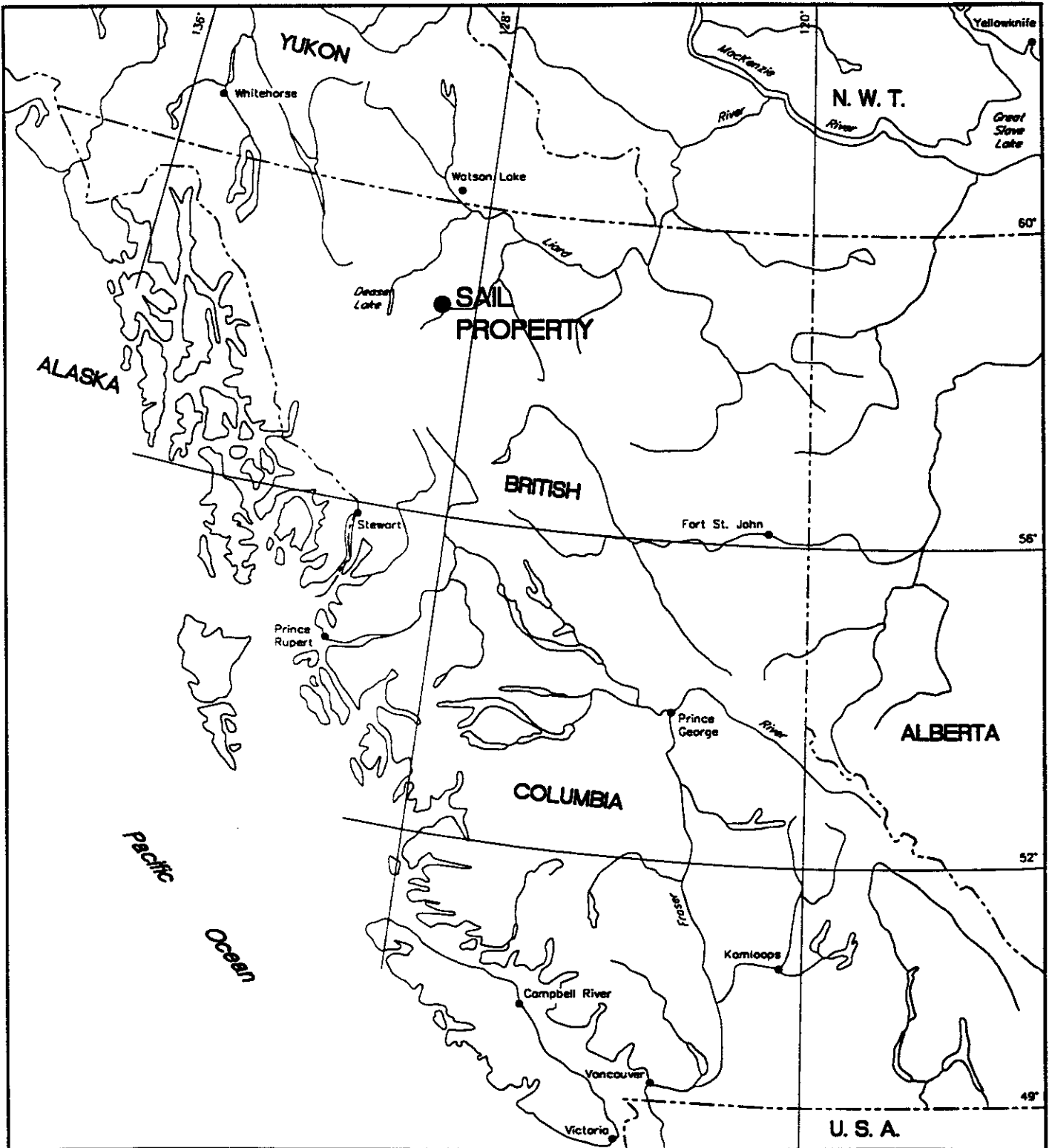
The objectives of the 1998 exploration program were to determine the source of mineralized massive sulphide boulders found during 1997 work, to determine the character and extent of the gold-bearing quartz-sericite-pyrite schist, and to test the potential for a volcanogenic massive sulphide deposit on the property. Lead- and zinc-in-soil geochemical anomalies delineated by 1996 contour soil sampling to the

southeast of the SAIL 1 to 6 claims were also investigated by 1998 work. Claim staking, grid geochemical soil sampling, geological mapping and rock sampling were done to follow-up these lead- and zinc-in-soil anomalies. Fly camps with six people were established on the SAIL 5 and SAIL 6 mineral claims from August 4th to 17th; a four-person camp was established on the SAIL 7 mineral claim from August 18th to 29th. Camp material and crew were flown from Watson Lake to the northern end of Cry Lake by a fixed-wing DHC-3 Otter floatplane. A Bell 206B helicopter chartered from Pacific Western Helicopters at Dease Lake was used to position the camp and crew onto the property from Cry Lake. The camp and crew were demobilized to Dease Lake by Pacific Western Helicopters Bell 206B helicopter. The exploration program involved geological mapping combined with detailed rock and soil sampling. The work was done by Boliden Limited field personnel, and under contract by Nanoose Geoservices.

2.0 LOCATION, ACCESS AND PHYSIOGRAPHY

The SAIL property is located approximately 10 km east-southeast of the northern end of Cry Lake, and about 65 km east of the Stewart-Cassiar Highway (#37). The nearest community is Dease Lake, B.C., located 80 km southwest of the property (Fig. 2.1). The property lies within NTS map-sheet 104 I/15 E and is centred at approximately 58° 47' N latitude and 128° 45' W longitude. Access to the property is by helicopter.

Elevations on the property range from about 1300 metres at the northern boundary of SAIL 5 mineral claim to over 2200 metres in the southern part of the property. The terrain consists of steep ridges separated by long, broad, cirque valleys. Treeline is at approximately 1400 metres with only local patches of small trees and alpine vegetation above that elevation.



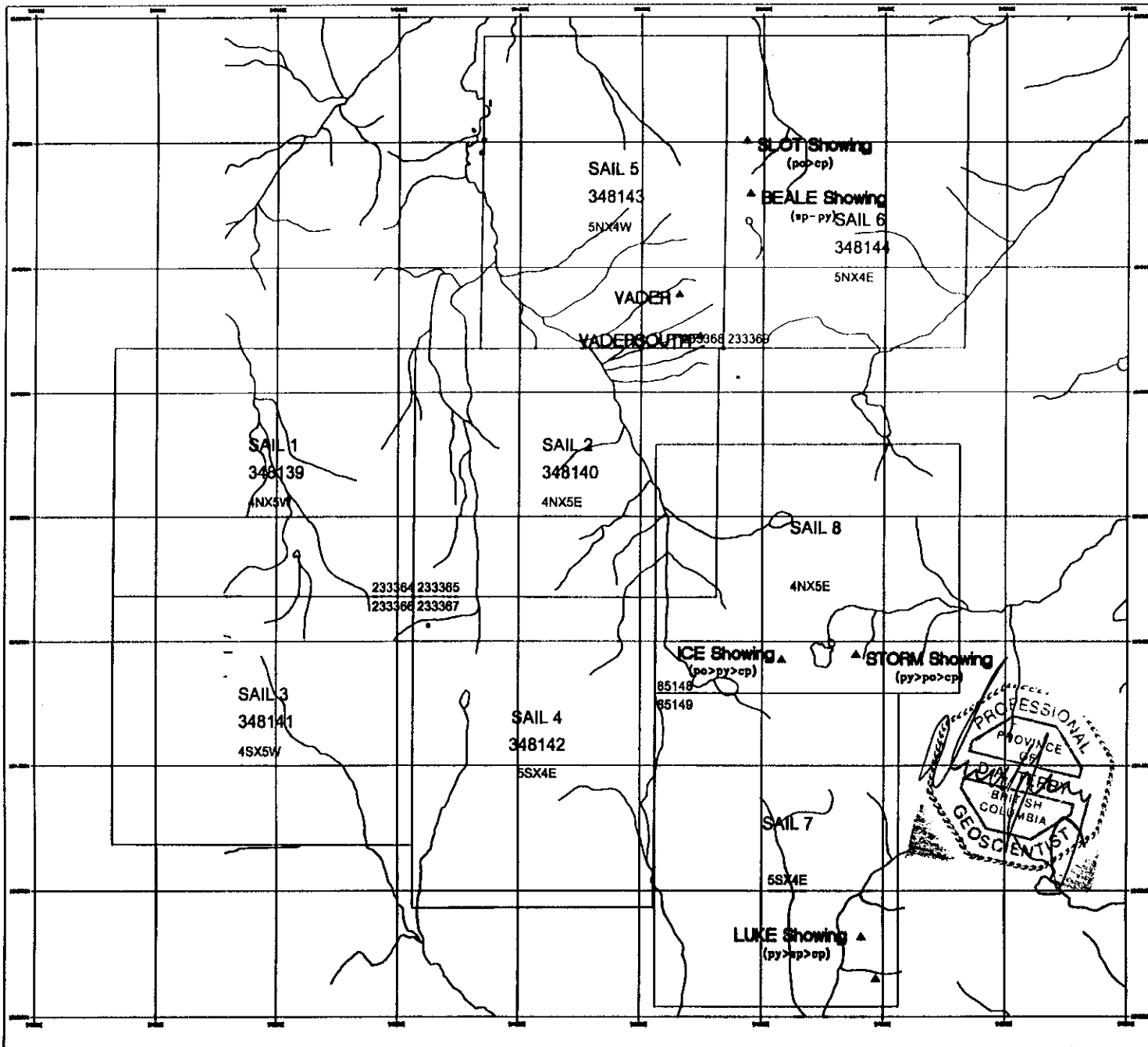
Boliden Limited	
Work By D. Terry	BEALE PROJECT SAIL PROPERTY LOCATION MAP
Date Drafted Sept. 30, 1998	
Drafted By J.M. Klein	
Date Revised	
Revised By	
N.T.S. Number	75 0 75 150 225km
File Name SAIL_LOC.DWG	SCALE 1 : 7,500,000
	Figure 2.1

3.0 LIST OF CLAIMS AND OWNERSHIP

The property currently consists of 8 contiguous mineral claims containing 160 units in total. The claims are shown on Figure 3.1 and are listed below in Table 3.1. The expiry dates shown below are those in effect prior to filing the current work programme for assessment.

Table 3.1 List of Claims

Claim Name	Tenure No.	Expiry Date	Owner
SAIL 1	348139	July 2, 2001	Boliden Limited
SAIL 2	348140	July 2, 2001	Boliden Limited
SAIL 3	348141	July 2, 2001	Boliden Limited
SAIL 4	348142	July 2, 2001	Boliden Limited
SAIL 5	348143	July 2, 2001	Boliden Limited
SAIL 6	348144	July 2, 2001	Boliden Limited
SAIL 7	364957	August 18, 1999	Boliden Limited
SAIL 8	364958	August 18, 1999	Boliden Limited



Taken From:
MINERAL TITLES REFERENCE
MAP 104115E,W

MINING DIVISIONS: LIARD

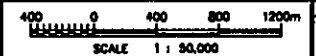
MINERAL TENURE

—	MINERAL CLAIM
SAIL 2	CLAIM NAME
348142	TITLE NUMBER
233369	TAG NUMBER
•	LEGAL POST
▲	SHOWING

bolden Bolden Limited

Drawn By
D. Terry
Date Drafted
April 8, 1987
Drafted By
A. Walsh
Date Revised
Feb. 8, 1988
Revised By
A. Walsh
N.T.S. Number
104/15
File Name
348-01m.dwg

**BEALE PROJECT
SAIL PROPERTY
PROSPECT MAP**



4.0 PREVIOUS WORK

Exploration has been carried out in the northern Cry Lake area since the late 1800's. Several showings are known in the Rapid River Tectonite including the vein-hosted gold-zinc-silver-copper Nizi Showing, an un-named polymetallic occurrence on Beale Mountain, and the GB copper-nickel-asbestos showing (B.C. Minfile Map 104I).

The Nizi property is 22 km northwest of the SAIL property. Nizi has been explored on several occasions dating back to the early 1970's. In 1991-92 Goldfields Canadian Mining Limited carried out geological mapping and sampling, and drilled several vein showings on the property. Madrona Mining Limited also drilled the Nizi property during the summer of 1996. Drilling results have varied widely. However, intersections such as 13.5 g/t gold, 146.8 g/t silver and 2.85 % zinc across 3.0 m and 1.16 g/t gold, 733.4 g/t silver and 7.8 % zinc over 4.5 m indicate that the vein-controlled mineralization is significant (Wojdak, 1997).

A search of assessment file records did not show any previous work on the ground covered by the SAIL mineral claims prior to Westmin's 1996 summer program. However, claim posts dating from 1970 and 1991 are present within the property area. The area was covered by a regional stream sediment sampling survey conducted by the provincial government in 1995 (Jackaman, 1996)

5.0 REGIONAL GEOLOGY

The SAIL property is situated within the Rapid River Tectonite assemblage, part of the dominantly oceanic Sylvester Allochthon (Gabielse, 1994; Gabielse and Harms, 1989). The allochthon in the SAIL property area includes tectonized meta-volcanics, meta-sediments, and limestone of possibly Upper Devonian to

Mississippian age (K-Ar date of 358.8±7.6 Ma on hornblende; Gabrielse, 1994). Foliated granodiorite and gabbro of Mississippian age intrude the supracrustal rocks. The supracrustal rocks have also been intruded by elongate, commonly serpentinized, peridotite and pyroxenite bodies. Collectively this assemblage is characteristic of a relatively deep oceanic environment. Tuffaceous, intermediate to felsic volcanic units and limestone are locally present. Cretaceous granite plugs, characterized by strong hornfels margins, and the Eocene Major Hart Pluton, a high-level granite body, intrude the other rocks.

The dominant structural trend of the Sylvester Allochthon is northwesterly with variable dips at SAIL property area. Complexly faulted and lithologically distinct terranes comprise the Sylvester Allochthon. A basal fault separates the allochthon from underlying miogeoclinal Devonian strata to the east (Gabrielse and Harms, 1989).

6.0 PROPERTY GEOLOGY

Chlorite-feldspar gneiss, quartz-biotite gneiss, quartz-sericite-pyrite gneiss, argillite, dacitic volcanic rocks, serpentinite and granite are the main rock types present within the SAIL property area. The gneisses are generally metamorphosed to upper greenschist - lower amphibolite grade, making recognition of original lithologies difficult.

Quartz-biotite gneiss

Quartzose and quartz-biotite gneisses contain quartz- and biotite-rich bands from 1 to 5 cm wide. These rocks are interpreted to be meta-sedimentary rocks because of their combined low Zr and TiO₂ content (Jones, 1997; Gale and Terry, 1998). These rocks are locally silica-indurated and cherty.

Chlorite-feldspar gneiss

Structurally above these sedimentary gneisses there is a package of chlorite-feldspar gneisses, which form many of the ridges within the property area (Fig. 6.1). These rocks usually consist of alternating bands of chlorite and feldspar, or are mostly chlorite. These gneisses are mainly banded on a mm scale. The protolith of the chlorite-feldspar gneiss is interpreted to be mafic volcanic rocks such as basaltic tuffs and gabbro flows.

The quartz-biotite gneiss and the chlorite-feldspar gneiss are usually interbanded across 5 to 15 metres at the contact between these two gneissic packages. The two rock units are conformable.

Quartz-sericite-pyrite schist (thrust fault unit)

The quartz-sericite-pyrite schist crossing SAIL 6 and SAIL 2 mineral claims is likely the surface expression of a shallow-dipping thrust fault (Fig. 6.1). Detailed geological mapping indicates that this rock unit crosscuts other lithologies, and is therefore not part of the meta-volcanic/meta-sedimentary sequence in the property area. The schist unit varies along strike from quartz-sericite-pyrite schist to a massive siliceous rock (Fig. 6.1). The schist is a distinctive yellow-brown colour in outcrop and hosts a number of gossanous zones. It is a continuous unit 5 to 35 metres thick. Pyrite content varies from 1 to 13 % throughout the unit; pyrite is typically disseminated with a weakly developed, banded texture. The schist unit has the whole rock chemical signature of a felsic volcanic unit (Gale and Terry, 1998). The siliceous rock occurs along strike from the quartz-sericite-pyrite schist and is composed of fine to medium grained silica with only a weakly developed

foliation. At one locale the thrust fault unit appears to be crosscut by a later serpentinite body.

Felsic lapilli tuff

A band of felsic lapilli tuff 2 to 4 m wide was observed at one locale within SAIL 6 mineral claim. This rock consists of quartz- and feldspar-phyric fragments 2 to 5 cm across within a fine-grained, siliceous matrix.

Serpentinite and peridotite

Peridotite and serpentinite bodies occur throughout the northern portion of the property (Fig. 6.1). These ultramafic bodies trend northwesterly, parallel to the regional structural trend, but locally crosscut the gneissic layering. The peridotite is melanocratic, medium to coarse grained, orange-brown on weathered surfaces and weathers positively with respect to the surrounding lithologies. The serpentinite bodies are presumably altered equivalents of the intrusive peridotites but could have been partially tectonically emplaced. The serpentinite body south of SAIL 5 mineral claim has a ramp-like thrust fault contact with the underlying chlorite gneisses. The serpentinite body within south-central SAIL 5 mineral claim appears to have intruded the country rock in that area. A serpentinite body at southwestern SAIL 6 mineral claim was mapped by Gale and Terry (Fig. 6.1, 1998) as crosscutting the thrust fault unit described above.

Argillite

Argillite underlies much of SAIL 7 mineral claim (Fig. 8.1). It is dark grey to black, schistose and usually banded on a mm to cm scale. Most of the unit contains graphite and traces of finely disseminated, sooty pyrite. Local, irregular, hairline

pyrite veinlets occur within the argillite. Pyrite, chalcopyrite, galena and sphalerite veinlets line fracture surfaces at one locale in eastern SAIL 7 mineral claim. Galena and chalcopyrite traces also occur within quartz veinlets in argillite in eastern SAIL 7 claim. Greyish white barite crystals up to 2 or 3 mm across spot the argillite at many places. Argillite contains light grey to light brown siltstone interbeds that increase in thickness and abundance towards the structural top of the argillite, the dacitic lapilli tuff contact. Argillite has a conformable contact with the overlying dacitic lapilli tuff. Bedding within the argillite strikes easterly and dips steeply to the north.

Dacite lapilli tuff

Dacitic volcanic rocks in the SAIL 7 mineral claim are light greyish green lapilli tuffs that appear to have undergone greenschist facies metamorphism (Fig. 8.1). The lapilli average about 8 mm in length, and range up to about 10 by 30 mm. The dacitic volcanic rocks are relatively unaltered and unmineralized. They contain rare traces of pyrite.

The dacitic lapilli tuffs are conformable with the argillites in eastern SAIL 7 mineral claim. Argillite interbeds are present within the dacitic lapilli tuff near the contact between the two units.

Granitic dykes and stocks

Granitic dykes intrude the chlorite-feldspar gneisses at northern SAIL 5 mineral claim and in the southwestern corner of SAIL 6 mineral claim (Fig. 6.1). These dykes are sometimes foliated and pegmatitic. The dykes are presumably related to the Cretaceous granites or the Eocene Major Hart granitic pluton.

Granite and granodiorite stocks also intrude the stratified rocks at the SAIL mineral claims (Fig. 6.1). The granitic rocks are mostly coarse grained, leucocratic and quartz-rich. Granite at western SAIL 8 mineral claim contains elongate to blocky hornblende phenocrysts along the intrusive contact with chlorite gneiss wallrock. These hornblende phenocrysts are up to 6 cm across.

6.1 Structure

A well-developed, pervasive, schistose to gneissic foliation (S_1) is present throughout most lithologies on the SAIL property. This foliation has a general northwest trend but locally the strike is quite variable. An equal-area stereonet with poles to S_1 foliation planes defines an F_2 fold axis that plunges 24° towards 329° (Fig. 6.1; Gale and Terry, 1998). A broad, open, northwesterly trending antiform (F_2) is present within SAIL 6 claim (Fig 6.1). Open to closed F_2 folds observed at outcrop scale are 0.2-1 m across. The measured fold axes of these structures correspond to the F_2 fold axis generated by the poles to the S_1 foliation (Fig. 6.1). F_2 Z-folds in a felsic lapilli tuff unit at southern SAIL 6 claim suggest an F_2 antiform to the north (Gale and Terry, 1998).

A joint set that strikes slightly east of north and has a near vertical eastward dip is irregularly developed throughout the property. The jointing post-dates the gneissic foliation.

Numerous faults are present within the SAIL property. Most of these faults strike northerly to northeasterly and dip steeply. The quartz-sericite-pyrite schist/siliceous rock unit crossing other lithologies at SAIL 6 mineral claim has been determined by detailed geological mapping to be the surface expression of a shallow-dipping thrust fault. Other thrust faults are present within the property area.

Jones (1997) described a large north-south trending fault located along the boundary between SAIL 5 and 6 mineral claims. Evidence for this structure occurs at east-central SAIL 5 claim where a 1 to 2 metre wide zone of fault gouge, quartz veining, ferricrete and gossan is present (Fig. 6.1).

At the Ice Showing – Storm Showing area within SAIL 7 and SAIL 8 mineral claims the meta-volcanic rock sequence has likely been overturned. At both of these occurrences chlorite gneiss (mafic meta-volcanic) overlies cherty quartzite or siliceous gneiss (felsic meta-sediment).

The argillite and dacitic lapilli tuff in southern SAIL 7 mineral claim may also be overturned. Siltstone interbeds within the argillite are most abundant and thicker near the contact with the dacitic lapilli tuffs. The dacitic lapilli tuffs structurally overlie the argillite (Fig. 8.1). If grain sizes within the argillite interval are fining-upwards, then siltstone would be most abundant within the lowermost section of the argillites. As siltstone is most abundant near the contact with the overlying lapilli tuff, these units could be overturned.

6.2 Alteration and Mineralization

Alteration

The rocks within the Sail property have locally been silicified, sericite- and chlorite-altered.

There is a pervasive weak to moderate, sericitic alteration developed within the quartz-sericite-pyrite schist (thrust fault unit). The sericite is a distinctive straw-yellow colour. Little to no sericite alteration has occurred within the rocks structurally above and below the thrust fault (schist).

Silicification on the property occurs as a weak to intense, pervasive silica flooding. The quartz-sericite-pyrite schist (thrust fault unit) has been moderately to intensely silicified. The massive siliceous rocks occurring along strike from the schist unit show sporadic silica alteration.

Some of the quartzose meta-sediments, quartz-biotite gneisses and felsic meta-volcanics have been silica-indurated and are cherty.

Quartz veins are generally rare within the stratified rocks in the property area. However, several quartz veins were mapped along faults, as at the Slot, Vader and South Vader showings in SAIL 5 mineral claim (Fig. 6.1; Appendix D). The intermediate meta-volcanic(?) host rock along the fault at the Slot Showing has been moderately silicified. Quartz vein stockwork occurs near inferred fault structures (Gale and Terry, 1998).

Mineralization

Mineralization has occurred within most lithologies at Sail property area as disseminated traces to veinlets to pods and bands of massive sulphide. Numerous gossans occur on the property where limonite is present along fractures and weathered surfaces. Typically the gossans are erratic patches 2 to 5 metres across. A linear gossan is developed over a strike length of about 500 m along the east-facing cliff face at west-central SAIL 5 mineral claim. This gossan is the surface expression of a steeply dipping, northerly trending fault.

Analytical results from 1998 rock sampling on the SAIL property are summarised in Section 6.3, and are also discussed below in the occurrence descriptions.

Volcanogenic massive sulphide-style mineralization has occurred within SAIL 7 and SAIL 8 mineral claims (Figs. 8.1, 8.1a). Gossans in this area are associated with sulphide mineralization along a specific stratigraphic unit, a chlorite gneiss/felsic meta-sediment contact.

The quartz-biotite and chlorite gneisses are typically unmineralized but locally contain up to 6% fine-grained, disseminated pyrite, traces pyrrhotite, and up to 1% chalcopyrite.

Beale Showing

The quartz-sericite-pyrite schist (thrust fault unit) contains up to 13% fine-grained, disseminated and weakly banded pyrite, up to 4 % pyrrhotite, and trace to 1% fine-grained chalcopyrite. The schist unit contains up to 6% dark red, fine-grained sphalerite at 5530N/4245E, the "Beale" Showing (Fig. 6.1). Select samples BE3009, BE3010 and BE3011 from here contain 5 to 10 % disseminated pyrite, 1 to 3 % disseminated chalcopyrite and 1 to 5 % fine grained sphalerite. These rocks are intensely silicified (Appendix D). They contain up to 6,330 ppb gold, 2 ppm silver, 708 ppm copper and up to 1.75 % zinc (Appendix E). Grab sample BE2016 from Beale Showing contains 1 to 2 % disseminated pyrite and is intensely sericite-altered (Appendix D); it contains 1,525 ppb gold and 3,220 ppm zinc.

Many of the gossans on SAIL 5 and 6 mineral claims are developed along the presumed surface expression of the thrust fault, in massive siliceous rocks occurring along strike from the quartz-sericite-pyrite schist. The massive siliceous rock contains up to 4% pyrite, trace chalcopyrite and up to 4% pyrrhotite. The massive siliceous unit is 35 metres thick and contains 2 % disseminated pyrite at UTM 6517805N/516305E (Fig. 6.1). Chip samples BE2005-BE2011 were collected

across the siliceous unit at this locale; they all contain less than 5 ppb gold (Appendix E).

Slot Showing

Massive sulphide boulders up to 0.5 meters in diameter were discovered along an east-sloping talus slope at northeastern SAIL 5 claim during 1997 exploration (Gale and Terry, 1998). The massive sulphide boulders contain up to 15% chalcopyrite as clots, blebs, stringers, and fracture-fillings within massive, coarse-grained pyrrhotite and a silica-chlorite gangue. One of the main objectives of 1998 exploration at the SAIL property was to discover the bedrock source of these mineralized boulders.

The Slot Showing is likely the bedrock source of these mineralized boulders. The Slot Showing is at 6040N/4010E in a dilation zone or warp along a large, subvertical fault trending 022° (Fig. 6.1). This Slot Fault forms a steep-sided gully or slot 5 to 10 metres wide and approximately 40 metres deep. A lens or pod of massive pyrrhotite and chalcopyrite occurs along the Slot Fault, within silicified and chlorite-altered intermediate meta-volcanic(?) host rock. The fault strikes 011° at the Slot Showing. Continuous chip samples BER1011, BER1012 and BER1013 contain a weighted average of 1.14% copper, 36.0 ppm silver, 295 ppm lead and 540 ppm zinc across 212 cm at the showing (Appendix E). The rocks within this interval contain up to 40 % pyrrhotite and 20 % chalcopyrite across 40 cm (Appendix D). The sulphides are predominantly massive, and largely confined to within 100 cm of the fault. Disseminated sulphides are rare at the Slot Showing. The chlorite gneiss wallrocks outside of the mineralized zone at Slot Showing appear unmineralized and unaltered.

Continuous chip sample BER1014 was collected 17 metres along strike to the north of samples BER1011 – BER1013 (Fig. 6.1). A late, cream-coloured quartz-carbonate vein up to 50 cm wide is here emplaced along the Slot Fault structure. Traces of disseminated pyrite, chalcopyrite and pyrrhotite occur within BER1014; it contains 3,410 ppm copper, 9.2 ppm silver and 288 ppm zinc across 80 cm (Appendices D and E).

Vader Showing

The Vader Showing is located at approximately 4900N/3540E within southeastern SAIL 5 mineral claim (Fig. 6.1). Sheared mafic rock occurs along a fault zone 1.5 m wide striking 040° and dipping 75° northwest. The rocks within the fault zone are stained by manganese oxides and by red-orange limonite. Disseminated pyrite, galena and lesser chalcopyrite occur within a quartz vein 1.5 m wide emplaced along the fault zone over a strike length of 7 m. The sulphides comprise 5 to 7 % of the quartz vein. Grab samples BE2032-BE2034 were collected at the Vader Showing; they contain up to 1.12 % lead, 49.6 ppm silver, 1,790 ppm copper and up to 9,760 ppm zinc (Appendices D and E).

Another quartz vein is emplaced along the same fault structure 100 m along strike to the southwest, at 4830N/3475E (Fig. 6.1). The vein here is 2 m wide, with euhedral quartz crystals lining open cavities and rimming angular breccia fragments. The quartz vein is stained by manganese oxides. The vein contains up to 10 % limonite and traces disseminated galena. Chip samples BE2029-BE2031 were collected here; they contain up to 6.13 % lead, 13.4 ppm silver, 438 ppm copper and up to 730 ppm zinc across 2 m (Appendices D and E).

South Vader Showing

The South Vader Showing is located at approximately 4750N/3350E, south of Vader Showing (Fig. 6.1). A quartz-iron carbonate vein 3 m wide is emplaced along a fault striking approximately 020° and dipping 70° northwest. The vein contains angular fragments of chlorite gneiss wallrock up to 4 cm across, and fewer euhedral quartz crystals lining open spaces than at the Vader Showing. The quartz vein has been moderately stained by manganese oxides and by 5 to 10 % limonite. The vein contains rare disseminated pyrite, galena and lesser chalcopyrite across a width of 1 m. Grab samples BE2035-BE2037 and BE3021 were collected here; they contain up to 2,690 ppm lead, 5 ppm silver, 143 ppm copper and up to 976 ppm zinc (Appendices D and E).

Ice Showing

The Ice Showing is within SAIL 7 mineral claim, at UTM co-ordinates 6514650N/515970E (Figs 8.1 and 10.1). Gossans with associated sulphide mineralization occur along a specific stratigraphic unit, the contact between meta-volcanic chlorite gneiss and a siliceous meta-sediment. The stratigraphic sequence is overturned. The mineralized horizon extends for 210 m along strike, and likely extends a further 75 m across an inaccessible cliff face (Fig. 10.1).

Selected rock samples from the mineralized area contain up to 30 % combined pyrrhotite, pyrite and chalcopyrite within an intensely chlorite-altered mafic to intermediate volcanic meta-tuff. The chlorite is a dark, green-black colour, characteristic of footwall-style alteration chlorite at volcanogenic massive sulphide occurrences. Pyrrhotite is the most abundant sulphide. Lesser amounts of pyrite and chalcopyrite occur at the Ice Showing. Select samples BE2054-BE2056 were collected from the best-mineralized float at the Ice Showing. These rocks contain

up to 8,690 ppm copper, 885 ppm zinc, 40 ppm lead and up to 3 ppm silver (Appendix E).

Storm Showing

The Storm Showing is within SAIL 8 mineral claim, at UTM co-ordinates 6515155N/516870E (Fig 8.1). As at the Ice Showing, gossans with associated sulphide mineralization occur along a specific stratigraphic unit, the contact between meta-volcanic chlorite gneiss and a fine grained cherty, biotite-rich quartzite about 25 m thick. The quartzite structurally underlies the mineralized horizon. The quartzite contains abundant subhorizontal, isoclinal to open folds an average of 10 to 20 cm across. The stratigraphic sequence is likely overturned. The mineralized horizon is a garnet-biotite-quartz gneiss up to 6 m thick that extends for 43 m along a strike of 015° at the main showing area. The mineralized horizon extends 250 m along strike to the south where it is cut-off by a steep fault trending 076° (Fig. 8.1). Numerous gossans are present around the perimeter of the cirque in which the Storm Showing is located. These may be the surface expression of mineralized horizons, similar in character to the Storm and the Ice showings.

The best-mineralized part of the Storm Showing is 6 m thick. Here the host garnet-black biotite-quartz gneiss contains subhedral to euhedral, red, spessartine garnets average about 3 mm diameter. Syn-depositional faulting may have occurred where the garnet-biotite-quartz gneiss is best-mineralized. The mineralized gneiss here contains up to about 35 % pyrite, 3 % pyrrhotite and up to 2 % chalcopyrite within a steeply dipping band or fault shear 30 cm wide. The sulphides are very finely disseminated and faintly banded. Subround fault breccia (or lapilli?) fragments up to 3 cm across have locally been mineralized with very fine grained, disseminated pyrite within the steeply dipping band or shear. The mineralized horizon averages 1 to 5 % disseminated pyrite.

Select samples BE2070 and BE2070A were collected from the best-mineralized portion of the Storm Showing, the steeply dipping band or shear. These rocks contain up to 2,490 ppm copper, 95 ppm zinc, 50 ppm lead and up to 1 ppm silver (Appendix E). Continuous chip samples BE2077 and BE2078 were each taken across 1 metre at the best-mineralized portion of Storm Showing, the steeply dipping band or shear. These samples contain up to 360 ppm copper, 80 ppm zinc, 55 ppm lead and less than 1 ppm silver (Appendix E).

6.3 Rock Geochemistry

Rock samples collected during 1998 exploration were submitted to Chemex Labs Ltd. in North Vancouver, B.C. to be analysed for 27 elements by ICP-AES and gold by fire assay-atomic absorption. Seven selected rocks were analyzed by whole rock (ICP-MS) analysis. A total of 163 rocks were analyzed; the analytical certificates form Appendix E. Figures 6.2 and 8.2 show the results for gold, silver, copper, lead, zinc and barium within the rocks.

Argillite

Twenty samples of argillite were collected within SAIL 7 mineral claim area during 1998 exploration (Fig. 8.1).

Grab sample BE2048 was collected at UTM 6512857N/515162E (Fig. 8.1). Here a quartz vein 2 cm wide contains 15 % limonite (after pyrite?); this vein intrudes fresh black argillite. This rock contains 11.4 ppm silver, 4,630 ppm lead and 1,995 ppm zinc (Appendix E).

Grab sample BE2061 was collected across 10 cm at 10600N/10495E (Fig. 8.1). This rock is a sheared black argillite with light manganese and iron oxide stains. It

contains 2.8 ppm silver, 1,220 ppm lead and 2,030 ppm zinc (Appendix E). This sample was collected within the central part of a large, multi-element geochemical soil anomaly (Figs. 9.1 – 9.6).

Grab sample BE2063 was collected from subcrop at 10525N/10480E (Fig. 8.1). This rock is black argillite with light manganese oxide stains; a quartz veinlet with limonite intrudes the argillite. This sample contains 3.0 ppm silver, 1,540 ppm lead and 2,000 ppm zinc (Appendix E). As for sample BE2061 above, this rock was collected within the central part of the same large, multi-element geochemical soil anomaly (Figs. 9.1 – 9.6).

The other seventeen samples of argillite contain up to 15 ppb gold, 1.8 ppm silver, 2,910 ppm barium, 124 ppm copper, 256 ppm lead and up to 224 ppm zinc (Appendix E).

Sail 5 fault samples

Samples BER1020 and BER1021 were collected near the top of the ridge within Sail 5 mineral claim (Fig. 6.1). The two samples were collected 25 m apart, along a north-northeasterly trending fault zone 3 m wide that crosscuts metagabbro or coarse grained chlorite gneiss. The rocks are pervasively stained by limonite and contain less than 0.5 % dark grey, irregular quartz veinlets to 3 mm wide. These samples contain up to 2.54 % lead, 2.2 % zinc, 1,120 ppm copper and up to 13.4 ppm silver (Appendix E).

Slot Showing Massive Sulphides

Samples BER1011 – BER1014 are from the presumed bedrock source of the massive sulphide boulders discovered at the end of the 1997 field exploration. The analytical results for these rocks are summarised below in Table 6.1.

These samples contain from 0.278 to 3.5 % copper, from 266 to 1,460 ppm zinc and from 9.2 to 122.0 ppm silver. These rocks also contain 1.0 to 8.5 ppm cadmium, 64 to 178 ppm cobalt, 52 to 80 ppm chromium, 2,790 to 5,910 ppm manganese and from 41 to 246 ppm nickel (Appendix E).

The 1997 massive sulphide float samples contained from 1.55 % to 8.86 % copper (Gale and Terry, 1998). The float also contained from 0.05 % to 0.3% zinc and from 37 g/t to 233 g/t silver. The 1997 massive sulphide float samples also contained <10 ppm to 20 ppm cadmium, 220 to 640 ppm cobalt, 10-30 ppm chromium, 970 ppm to 3440 ppm manganese, and 140 ppm to 360 ppm nickel (Gale and Terry, 1998).

Table 6.1 Rock Geochemistry of Slot Showing Samples

Sample #	Au ppb	Ag ppm	Cu %	Pb %	Zn ppm	Ba ppm
BER1011	<5	122	3.5	0.104	1460	10
BER1012	<5	24.8	1.14	0.003	432	50
BER1013	<5	11.0	0.278	0.017	266	170

7.0 SOIL GEOCHEMISTRY

Contour soil sampling was done along many of the slopes and ridges on the SAIL property during 1996. A significant multi-element soil anomaly was found along the boundary between SAIL 5 and 6 mineral claims.

Detailed grid soil sampling in 1997 further tested this anomalous area. Three contour soil lines were also sampled in the area of the quartz-sericite-pyrite schist south of the 1997 grid area.

The 1997 soil sampling grid at SAIL 5 and 6 mineral claims was extended during 1998 work (Figs. 7.1-7.6). This was done to better-define the anomalies generated as a result of the 1997 work, and to provide survey grid control for detailed geological mapping and rock sampling.

A separate grid was surveyed and soil sampled in SAIL 7 mineral claim during 1998 exploration (Figs. 9.1-9.6). This was done to better-define 1996 contour soil geochemical anomalies within this area, and to provide survey grid control for 1:5,000 scale geological mapping and rock sampling.

Samples of B-horizon soil were taken except where the soils are poorly developed. Talus fines or other C-horizon type material was sampled where B-horizon material could not be obtained. Soil sample stations were marked in the field with flagging tape and a Tyvek tag with the station number written on it. Samples were partially dried in the field and then shipped to Chemex Labs Ltd. in North Vancouver, B.C. for analysis. They were subsequently dried, sieved to -80 mesh, pulverized and then analysed for 24 elements using ICP-AES and Au by fire assay-atomic absorption. Analytical certificates form Appendix E.

A total of 731 soil samples were collected during the 1998 exploration program. Twenty-one man-days were required for the soil sampling.

7.1 Grid Soils

North Half

Figures 7.2 to 7.7 inclusive show the results for gold, silver, copper, lead, zinc and barium in the northern part of the property. A northerly-trending, multi-element anomaly occurs along the eastern side of the steep-sided ridge at

eastern SAIL 5 mineral claim. Soils here contain up to 10 ppb gold, 5.2 ppm silver, 813 ppm copper, 2,750 ppm lead and up to 2,520 ppm zinc. This anomalous area extends 1.6 km north to south (5000N to 6600N), and includes the known Slot Showing, Beale Showing and massive sulphide float samples.

Table 7.1 Soil Geochemical Statistics for the North Grid

	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ba (ppm)
Maximum	210	5.2	813	2570	4200	2500
Average	4.9	0.4	125	204	315	681
Minimum	2.5	0.1	8	8	38	160
Percentiles						
95th	10	1.2	353	928	950	1440
90th	5	0.8	234	604	708	1120
75th	2.5	0.6	153	196	326	780

Another anomalous area was identified from soil results in SAIL 5 and 6 claims, at 4600N/4200E, in the southwestern part of the grid (Figs. 7.1-7.6). This circular anomaly is about 400 metres across and is defined by concentrations of up to 1,470 ppm lead (Fig 7.4) and up to 1275 ppm zinc (Fig. 7.5). This anomaly is generally downslope of the Vader and South Vader showing areas (Fig. 6.1).

Soils overlying the quartz-sericite-pyrite schist (thrust fault unit) within southwestern SAIL 6 mineral claim also contain anomalous concentrations of up to 210 ppb gold, up to 554 ppm zinc and up to 533 ppm copper (Figs. 7.1, 7.3, 7.5).

South Half

Figures 9.1 to 9.6 inclusive show the results for gold, silver, copper, lead, zinc and barium in 262 soils from SAIL 7 mineral claim, in the southern part of the property. Soils here contain up to 260 ppb gold, 8.8 ppm silver, 434 ppm copper, 2,900 ppm lead, 2,900 ppm zinc and up to 6,470 ppm barium.

Table 7.2: Soil Geochemical Statistics for the South Grid

	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ba (ppm)
Maximum	260	8.8	434	2900	2900	6470
Average	4.8	0.6	70	130	256	958
Minimum	2.5	0.1	3	16	66	230
Percentiles						
95th	10	1.8	165	409	602	1351
90th	10	1.4	140	250	436	1232
75th	2.5	0.8	92	108	278	1110
50th	2.5	0.4	55	56	194	950

A northwesterly trending multi-element anomaly extends from 10000N/10675E to 11000N/10250E. The anomaly coincides with 2 showings where rock samples BE2061 and BE2063 were collected within SAIL 7 mineral claim.

Another, more irregular anomaly extends from 9800N/11525E to 10000N/11600E. This second anomaly contains mainly anomalous silver and zinc concentrations in soil.

Large lead-in soil anomalies extend from 11375E to 11450E along line 10600N; from 10050E to 10400E and from 10575E to 10700E along line 10800N. Many of the soils from line 11000N and much of the soil from the western end of line 11200N also contains anomalous concentrations of lead in soil (Fig. 9.4). These soils also often contain anomalous concentrations of zinc and silver (Figs. 9.2 and 9.5); copper and barium are not as abundant within these soils (Figs. 9.3 and 9.6).

8.0 DISCUSSION AND CONCLUSIONS

The SAIL property is primarily underlain by strongly metamorphosed and deformed meta-sedimentary (quartz-biotite gneiss) and meta-volcanic rocks (chlorite-feldspar

gneiss), with minor interlayered felsic volcanic units. Argillite and dacitic lapilli tuffs were also mapped within the southeastern corner of the property. The supracrustal rocks are intruded and/or tectonically interleaved with ultramafic bodies of uncertain age and intruded by Eocene(?) or Cretaceous granitic stocks and dykes.

There are several mineral occurrences on the SAIL property.

The stratified rocks within the Sail property area are mainly interlayered sediments and mafic volcanics with some interlayered ultramafic rocks and minor felsic volcanics. This package collectively fits the model for Besshi-type massive sulphide deposits. The main host rocks at the Storm and the Ice showings are interlayered quartz-garnet-biotite gneiss (siliciclastic meta-sediment) and chlorite-feldspar gneiss (mafic meta-volcanic). Felsic meta-volcanic rocks make up only a minor component of the section. Therefore Besshi-type massive sulphide deposits, or a hybrid between Besshi-type and Cyprus-type categories of VMS deposits supply the best analogue for the mineralization observed at the Ice and Storm occurrences. Franklin et al. (1998) put Besshi-type and Cyprus-type deposits into the mature backarc - spreading centre class of the intra-oceanic setting for VMS deposits.

The cobalt content of samples from the Storm and Ice showings ranges from 15 to 250 ppm. This is below the average for Besshi deposits of 0.06% cobalt (Slack, 1993). The nickel content (45 ppm to 265 ppm) however is near the average for Besshi-type deposits which usually contain <100 ppm nickel (Slack, 1993). Besshi-type deposits contain an average of 5 to 20 g/t silver; Storm and Ice showing samples contain <1 to 5 g/t silver.

The Ice Showing contains anomalous though sub-economic metal concentrations. The mineralized horizon here has been chlorite-altered. This chlorite is green-black in colour, typical of chlorite associated with volcanogenic massive sulphide deposits. The Ice Showing contains the best mineralization discovered to date on the Sail property.

The Storm Showing contains anomalous though sub-economic metal concentrations. The mineralized horizon at the Storm Showing contains garnet and fresh black biotite, compared to the chlorite at the Ice Showing. The Storm Showing contains relatively more pyrite and less pyrrhotite than the Ice Showing.

The quartz-sericite-pyrite schist/massive siliceous (thrust fault) unit was extensively sampled during 1997 and 1998 exploration. This rock was earlier interpreted to be an altered felsic volcanic rock. It is also the expression of a shallow-dipping thrust fault. This thin rock unit extends throughout SAIL 5 and 6 claims and probably continues to the west onto SAIL 2 claim. The unit is extensively sericite- and silica-altered, and locally contains anomalous concentrations of gold and zinc.

The rocks from the Slot Showing contain up to 3.5 % copper and 122 ppm silver along a north-northeasterly trending fault structure. The Slot Showing is likely the source of the copper- and silver-bearing massive sulphide float boulders found during 1997 exploration at western SAIL 5 mineral claim. A multi-element soil anomaly coincides with the location of the massive sulphide boulder float downslope of the Slot Showing.

Argillites collected within a large, multi-element geochemical soil anomaly within SAIL 7 mineral claim contain anomalous concentrations of lead, zinc and silver.

These mineralized argillites have been intruded by quartz veins or veinlets, and stained by limonite.

9.0 RECOMMENDATIONS

The numerous gossans in the vicinity of the Storm Showing and the Ice Showing should be ground-checked to determine if they are associated with significant volcanogenic massive sulphide-style mineralization. A fly camp should be established near the tarn at central SAIL 8 mineral claim during the recommended follow-up work. The steep terrain makes ground access difficult, and travelling for any distance on foot is slow. Both the gossans to the east and south of the Storm Showing, and those in the East Ice Showing area can be accessed from the vicinity of the tarn.

As this area is well above treeline at an elevation of over 1,800 m a.s.l., the work should be done during late summer. Due to the steep terrain, it is recommended that a geologist with some technical climbing experience be included on the exploration team to facilitate a detailed investigation of the target areas.

The lead- and zinc-in-soil anomalies from 1996 sampling within SAIL 7 claim were better defined by 1998 exploration. Hand trenching followed by detailed rock sampling should be done within the anomalous areas delineated by 1998 soil sampling. This work should determine the bedrock source of the anomalous metal concentrations within the soils. Grab samples of argillite collected within one of the geochemical soil anomalies at SAIL 7 claim contain anomalous concentrations of lead, zinc and silver. The extent and character of the mineralization within the argillite in this area should be determined. The mineralized argillites found during 1998 exploration are crosscut by quartz veins or veinlets, and also stained by limonite.

The cost estimate for the program outlined above is \$80,000. If this phase provides encouragement then ground geophysics and possibly diamond drilling may be considered.

The Slot Showing is small and fault-hosted; this showing is not an economically important sulphide occurrence. No further work should be done at the Slot Showing.

The Vader and South Vader showings are small and fault-hosted; they are not economically important sulphide occurrences. No further work should be done at these showings.

The quartz-sericite-pyrite schist – massive siliceous horizon is the expression of a thrust fault. A number of precious and base metal soil anomalies occur along the surface trace of the thrust fault, but detailed geochemical rock sampling of the thrust fault horizon shows that it contains only spotty, erratic concentrations of gold and zinc. This rock unit requires no further exploration.

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APPENDIX A
STATEMENT OF EXPENDITURES

STATEMENT OF EXPENDITURES

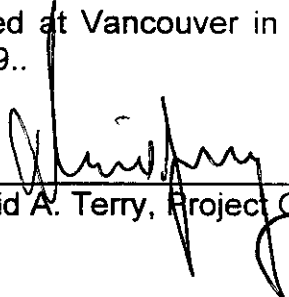
I, David A. Terry as agent for Boliden Limited, #904-1055 Dunsmuir Street, Vancouver, B.C. do believe that a field program consisting of soil sampling, rock sampling, and geologic mapping was carried out on SAIL 1 to 8 mineral claims from August 4 to August 29, 1998.

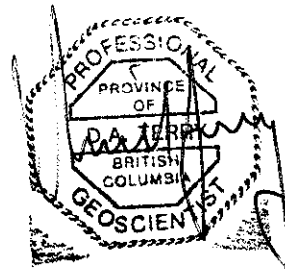
The following expenses were incurred during the course of this work.

Labour costs	\$36,716
Travel	\$10,950
Helicopter	\$17,102
Fixed Wing	\$3,420
Miscellaneous field costs	\$9,682
Geochemistry	\$15,433
Drafting	\$2,402
Shipping	\$719
Miscellaneous report preparation costs	\$150
Telephone	\$2,849
Total:	\$99,423

And I make this solemn declaration conscientiously believing it to be true and knowing it is the same force and effect as if made under oath and by virtue of the Canadian Evidence Act.

Dated at Vancouver in the Province of British Columbia this 23 day of June, 1999..


David A. Terry, Project Geologist



APPENDIX B
LIST OF PERSONNEL

LIST OF PERSONNEL

Alan Dennis (Mountaineer)
P.O. Box 2426
Revelstoke, B.C.
V0E 2S0

Ken Gibson (Contract Geologist)
c/o #904 – 1055 Dunsmuir Street
Vancouver, B.C.
V7X 1C4

Keith Miller (Field Assistant)
#904 – 1055 Dunsmuir Street
Vancouver, B.C.
V7X 1C4

Jan Tindle (Field Assistant)
3341 Lakeside Road
Whistler, B.C.
V0N 1B3

Mark Padberg (Field Assistant)
#904 – 1055 Dunsmuir Street
Vancouver, B.C.
V7X 1C4

David A. Terry (Project Geologist)
904-1055 Dunsmuir St.
Vancouver, B.C.
V7X 1C4

Christopher Rockingham (Exploration Manager)
904-1055 Dunsmuir St.
Vancouver, B.C.
V7X 1C4

David Pawliuk (Consulting Geologist)
c/o Nanoose Geoservices
2960 Anchor Drive
Nanoose Bay, B.C.
V9P 9G2

APPENDIX C

GEOLOGISTS CERTIFICATES

GEOLOGIST CERTIFICATE

I, David J. Pawliuk, of 2960 Anchor Drive, Nanoose Bay, in the Province of British Columbia, DO HEREBY CERTIFY:

1. THAT I am a consulting geologist with Nanoose Geoservices with offices at 2960 Anchor Drive, Nanoose Bay, British Columbia, V9P 9G2.
2. That I am a graduate of the University of Alberta and hold a Bachelor of Science degree with Specialization in Geology.
3. That I am registered as a Professional Geoscientist with the Association of Professional Engineers and Geoscientists of the Province of British Columbia.
4. That I am registered as a Professional Geologist with the Association of Professional Engineers, Geologists and Geophysicists of the Province of Alberta.
5. That I have practiced geology in Canada, Mexico, Ecuador and the United States since 1975.
6. That I have no direct nor indirect interest in the property described herein, nor do I expect to receive any such interest.

Dated at Nanoose Bay, British Columbia this 1st day of October, 1998.



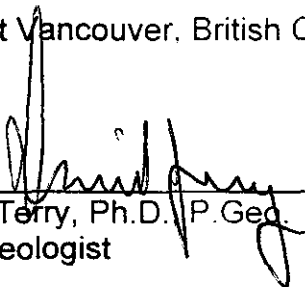
David J. Pawliuk, P. Geo.

GEOLOGISTS CERTIFICATE

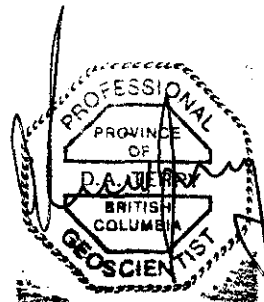
I, David A. Terry of 1040 Spruce Avenue, Port Coquitlam, in the Province of British Columbia, DO HEREBY CERTIFY:

1. THAT I am a Project Geologist with Boliden Limited with offices at #904-1055 Dunsmuir Street, Vancouver, British Columbia.
2. THAT I have practiced my profession with various mining companies in Ontario, Quebec, British Columbia, Yukon, the United States, Mexico and Argentina for ten years.
3. THAT I am a graduate of the University of Western Ontario and hold a Bachelor of Science in Geology (1988) and a Doctor of Philosophy in Geology (1997).
4. THAT I am a member of the Prospectors and Developers Association of Canada, and the Society of Economic Geologists.
5. THAT I am registered as a Professional Geoscientist with the Association of Professional Engineers and Geoscientists of British Columbia.
6. THAT this report is based on property work I managed and that I visited the property on August 21, 1998.
7. THAT I have no direct interest in the property described herein, nor do I expect to receive any interest.

DATED at Vancouver, British Columbia this 23 day of June, 1999..



David A. Terry, Ph.D., P. Geol.
Project Geologist



APPENDIX D

ROCK SAMPLE DESCRIPTIONS

Rock Sample Descriptions

Number	Type	Description
Note: samples BER1001 to BER1042 inclusive were collected by D. Pawliuk.		
Samples BE2000 to BE2078 inclusive were collected by K. Gibson.		
Samples BE3000 to BE3040 inclusive were collected by M. Padberg.		
BER1001	Chip	Fine gr., light greenish grey dacitic tuff(?); strong limonite alteration, 0.5% disseminated pyrite, traces chalcopyrite. Mineralized band str. 158/26 W. Chip across 10 cm.
BER1002	Cont. chip	Biotite gneiss 1 m below andesite contact. 0.5 % pyrite, trace chalcopyrite; sulphides mainly as irregular, cusped masses to 3 mm across. S1 str. 176/27 W. Chip across 55 cm.
BER1003	Discont. chip	Med. Gr. Biotite gneiss; moderate limonite staining; 0.5% combined disseminated po (mostly), pyrite, chalcopyrite(?). Str. 017/32 W. Chip across 100 cm.
BER1004	Discont. chip	Fine gr, cherty biotite gneiss with abundant limonite. Traces disseminated pyrite, to 0.5% finely disseminated chalcopyrite. S1 str. 173/35 W. Chip across 70 cm.
BER1005	Cont. chip	Sheared, banded, lenticular andesite; limonite staining, traces very finely disseminated pyrite; within large, northerly trending fault str. 009/60 W. Chip across 70 cm.
BER1006	Discont. chip	Fine gr. Biotite gneiss; moderate limonite staining, traces very fine gr. disseminated pyrite, chalcopyrite(?), azurite(?). S1 str. 167/30 W. Chip across 80 cm.
BER1007	Discont. chip	Siliceous, sheared andesite; weakly silicified, local 2 % disseminated pyrite. 18 m S of M.I.J. sample #535. From fault str. 011/60 W. Chip across 100 cm.
BER1008	Grab	Orange weathering, faintly laminated felsic ash tuff; weakly silicified; locally to 8 % combined sulphides, mostly very fine gr. Disseminated pyrite, traces chalcopyrite, also grey very fine sphalerite or pyrrhotite.
BER1009	Float	Intermediate tuff? With 60-85 % po, local 2 % cp, local 2 % py, sph? Subangular boulder 35 cm across, from margin of scree cone below big slot fault cut in mountainside.
BER1010	Discont. chip	Medium gr. Andesite with yellow-brown limonite on weathered surface. 0.5 % disseminated py, traces cp, and possibly po present. From splay fault hangingwall on N side of Slot Fault entrance. Splay fault str. 040/70 NW. Slot Fault trend 022, 3 to 4 m wide, 50 m plus deep. Discont. Chip sample across 150 cm.
BER1011	Cont. chip	Host rock intermediate volcanic(?), moderately chlorite-altered, weakly silicified. Wallrocks outside of mineralized lens typical chlorite gneiss. Sample from western margin of vein or dilation lens along Slot Fault. Po 40 %, cp 20 %. Chip across 40 cm. Lens str. 011/approx. 80 E. Elev. 1790 m asl.

- BER1012 Cont. chip Fine gr. Intermediate volcanic immediately adjacent to and east of BER1011 above. 20 % po, 12 % cp; across 62 cm.
- BER1013 Cont. chip Immediately west of BER1011 above. Av. < 1 % po, cp, py combined. Local 5 % py. Sulphides rarely disseminated, largely confined to faults. Local 20 % combined py, cp across 10 cm along small splay(?) fault which dips steeply west within sample interval. Sample across 110 cm.
- BER1014 Cont. chip Upslope of BER1011 - 013; 98 m upslope from junction. across 80 cm Sample taken on west side of Slot Fault. Traces cp, py. Po within 15 cm of fault. Abundant limonite on wx'd sfc. Slot Fault here occupied by carbonate vein.
- BER1015 Discont. Chip Fine gr. Intermediate tuff(?) with S1 str. 008/47 W. Biotite 200cm altered. Traces to locally 3 % combined diss. Py, cp, po. From base of mountainside exposure, overlooking 1997 campsite.
- BER1017 Float Orange-stained medium gr chl gn, somewhat massive. 1 to 2 % combined diss po, py, cp. Angular boulder 30 X 35 cm. Elev. 1710 m.
- BER1016 Discont. Chip Fine gr. Intermediate tuff. S1 str 161/40W. 6400 N/4055 E. 400 cm. To 1 % combined finely disseminated py, po, cp. Weakly silicified? Typical occurrence.
- BER1018 Discont. Chip Very fine gr. Quartzitic ash tuff, laminated. S1 str 159/30 W. 75 cm To 1 % combined diss po, py, cp. From E-facing bluff.
- BER1019 Discont. Chip Medium grey, fine gr quartzitic tuff with typical orange brown 80 cm limonite on wx'd surface. To 2 % combined py and cp. S1 str 146/80 W.
- BER1020 Select Coarse grained chl gn / metagabbro with abundant limonite. Occasional dk grey qtz vlts. Local float likely associated with large fault 3 m wide str 011 / 76W. No sulphides seen. Elev. 2050 m.
- BER1021 Grab Pervasive limonite stained, clay-altered meta-gabbro. S1 str 012/steep W. 25 m along strike from -1020; no sulphides seen. From 60 cm area on western side of 3 m wide fault zone. < 0.5 % irregular qtz vlts to 3 mm wide.
- BER1022 Grab Medium gr qtz-ser-py-bi schist; S1 str 121/45 S. 0.5 % py diss and as smeared flakes. Unit may correlate with qtz-ser-py schist to SE across ridge that is locally gold-bearing. Grab from several sites across 1 X 1 m area.
- BER1023 Cont chip 40 Fine gr quartzite band within chl gn/andesitic meta-tuff cm. sequence contains up to 1 % py across few cm as patches on fracture surfaces. S1 str 098/65 N. Elev 1885 m.
- BER1024 Cont chip 55 Limonite-stained andesite tuff S1 str 173/20 E. Below main cm mineralized zone at Ice Showing. 9 m N from BER2051. No sulphides seen.

- BER1025 Cont chip 60 cm Andesite tuff; lower third of mineralized horizon. Immediately above -024. Friable rock, looks to be within mineralized horizon. Po seen. Elev 1981 m.
- BER1026 Float Medium grained quartzite with 1 % combined po, py, cp mainly as irregular masses along margins of chloritic laminae. Chlorite say 6 % rock volume. Recrystallized exhalite?? Few other similar float pieces in vicinity. Boulder 25 cm diameter. Elev 1820 m.
- BER1027 Float Light maroon grey, fine gr andesite. Cp, po, py. Elev 1575 m. Bldr 30 cm diameter. 264 m S of 5E X 2N post SAIL8.
- BER1028 Cont chip 70 cm. Chert? 5 m from creek, on W side stream. 1 to 2 % py as diss subhedral masses, and as elongate, thin, wispy lenses parallel S1 str 078/62 N. Traces cp as irregular, diss masses. Elev 1650 m.
- BER1029 Grab Graphitic, schistose argillite with red-brown Fe oxides on wx'd sfc. To 5 % py within lenoid areas to 10 X 25 mm. Grab from few places across 2 m. S1 str 129/54N. Elev 1560 m.
- BER1030 Discont chip 50 cm Graphitic, schistose argillite with red-brown Fe oxides on wx'd sfc. Say 0.5 % very finely diss py throughout. S1 str 107/steep. Elev 1580 m.
- BER1031 Float Fine gr dacite? Bldr 30 cm diameter. 5 to locally 15 % po, av 1 - 2 % py, < 0.5 % cp. Sulphides diss and as irregular bands. Subround float. Elev 1595 m.
- BER1032 Float Brecciated, rehealed (soft sediment deformation?) argillite with very fine gr py plus other sulphides? Dense, graphitic argillite. 15 cm diameter. Elev. 1600 m.
- BER1033 Float Fine gr dacite? As for BER1031 above. Bldr 20 cm diameter. Say 20 % po, 1 % py, 1 % cp, ?? sp. Po coarsely crystalline, recrystallized; probably skarn-style mineralization. Cp mostly in later, cross-cutting veinlets. Round float. Elev 1610 m.
- BER1034 Grab Tough, dense, cherty argillite with conchoidal fracture. 9 m upstream of BER1033. Py vlt's lining irregular, hairline fractures, locally with splashes cp. Very fine grained sulphides throughout, cannot identify with hand lens.
- BER1035 Discont chip 150 cm Somewhat dense, graphitic, schistose argillite; S1 str 105/56N. Local traces very finely disseminated pyrite seen, other sulphides may be present. Also irregular, discontinuous, greyish white barite(?) veinlets present. 9920N/11585E.
- BER1036 Cont chip 50 cm Dense, graphitic argillite with trace to locally 1 % very fine disseminated pyrite. F1 str 104/66N. 9825N/11608E.
- BER1037 Cont chip 50 cm Dense, graphitic argillite with local siltstone interbeds. Traces very fine, sooty, diss py. May be more sulphides +/- or barite present. F1 str 109/83S. 9830N/11660E. Elev 1670 m.

- BER1038 Grab Light grey, silica – indurated siltstone with 6 % qtz vlt. Up to 0.5 % combined diss py, po, cp, sp(?). S1 str 123/73N. Grab from 50 X 100cm area. Sample 8 m N sidehill from 1996 soil sample site; cannot read number on Tyvek tag.
- BER1039 Cont chip 70 cm Orange-brown weathering graphitic argillite with barite clots and lenses. No sulphides seen. S1 str 137/44NE. 9830N/11737E.
- BER1040 Cont chip 100 cm Red-brown to yellow weathering silty argillite with 1 % irregular qtz vlt. Trace py; near top of gully. 9830N/11820E. S1 str 095/65N.
- BER1041 Grab Representative sample of argillite near contact with dacitic lapilli tuff. No sulphides seen. Silty argillite with local faint limonite on wx'd sfc. S1 str 085/37N. Sample from 1 X 2 m area. Elev 1850 m.
- BER1042 Discont chip 100 cm Argillaceous siltstone with 3 % qtz vlt. Rare specks cp and gn seen within irregular, discontinuous qtz vlt. S1 str 097/57N.
- BE2000 Grab from 5 cm area; unit fine grained, disseminated py. 5840N/4450E. 10 m wide
- BE2001 Grab Chl schist/gneiss with diss py, po; rare trace cp. Silicified, possibly chlorite-altered rock. 5475N/4430E.
- BE2002 Grab Chl schist/gneiss with 15 % very fine grained, vuggy diss py throughout. Silicified; similar to BE2000, BE2001 above. 5480N/4420E.
- BE2003 Grab Quartz-biotite gneiss; silicified. Fine qtz-py vlt, abundant limonite; vuggy. 5490N/4410E.
- BE2004 Float Chl-qtz gneiss; massive, moderately silicified. Py-po-cp(trace) vlt. From valley south of Beale Showing. UTM 6517700N/516305E.
- BE2005 Discont chip 500 cm Quartz-sericite-pyrite schist (thrust fault) unit with 2 % py disseminated throughout. No base metal sulphides. Well-defined quartz domains. UTM 6517805N/516410E. Part of series from BE2005 – BE2011 inclusive across thrust fault unit where it is 35 m thick.
- BE2006 Discont chip 500 cm Quartz-sericite-pyrite schist (thrust fault) unit with 2 % py disseminated throughout. No base metal sulphides. Well-defined quartz domains. UTM 6517805N/516410E. Part of series from BE2005 – BE2011 inclusive across thrust fault unit where it is 35 m thick.
- BE2007 Discont chip 500 cm Quartz-sericite-pyrite schist (thrust fault) unit with 2 % py disseminated throughout. No base metal sulphides. Well-defined quartz domains. UTM 6517805N/516410E. Part of series from BE2005 – BE2011 inclusive across thrust fault

			unit where it is 35 m thick.
BE2008	Discont 500 cm	chip	Quartz-sericite-pyrite schist (thrust fault) unit with 2 % py disseminated throughout. No base metal sulphides. Well-defined quartz domains. UTM 6517805N/516410E. Part of series from BE2005 – BE2011 inclusive across thrust fault unit where it is 35 m thick.
BE2009	Discont 500 cm	chip	Quartz-sericite-pyrite schist (thrust fault) unit with 2 % py disseminated throughout. No base metal sulphides. Well-defined quartz domains. UTM 6517805N/516410E. Part of series from BE2005 – BE2011 inclusive across thrust fault unit where it is 35 m thick.
BE2010	Discont 500 cm	chip	Quartz-sericite-pyrite schist (thrust fault) unit with 2 % py disseminated throughout. No base metal sulphides. Well-defined quartz domains. UTM 6517805N/516410E. Part of series from BE2005 – BE2011 inclusive across thrust fault unit where it is 35 m thick.
BE2011	Discont 500 cm	chip	Quartz-sericite-pyrite schist (thrust fault) unit with 2 % py disseminated throughout. No base metal sulphides. Well-defined quartz domains. UTM 6517805N/516410E. Part of series from BE2005 – BE2011 inclusive across thrust fault unit where it is 35 m thick.
BE2012	Discont 500 cm	chip	Chl gneiss; silicified. Trace disseminated pyrite throughout. Samples across fault zone where silica-flooding has occurred. Part of sample series BE2012 – BE2014 inclusive. UTM 6518005N/516525E.
BE2013	Discont 500 cm	chip	Chl gneiss; silicified. Trace disseminated pyrite throughout. Samples across fault zone where silica-flooding has occurred. Part of sample series BE2012 – BE2014 inclusive. UTM 6518005N/516525E
BE2014	Discont 500 cm	chip	Chl gneiss; silicified. Trace disseminated pyrite throughout. Samples across fault zone where silica-flooding has occurred. Part of sample series BE2012 – BE2014 inclusive. UTM 6518005N/516525E
BE2015	Float; subcrop		Chl gneiss; silicified and sericite-altered. Traces disseminated pyrite & po throughout. Altered unit pinches and swells up to several metres wide, but poorly developed. UTM 6518150N/516460E.
BE2016	Grab		Beale Showing where 272226, 272227 collected earlier. Intensely sericite-altered quartz-sericite-pyrite schist with 1 – 2 % disseminated py. Q-S-S band 5 cm wide within a quartz-biotite gneiss. 5530N/4245E
BE2017	Grab		Quartz-biotite gneiss with minor silica alteration, trace disseminated pyrite. Beale Showing area. 5565N/4250E.
BE2018	Grab		Chl gneiss from band 10 cm wide. Trace diss py. Beale

- Showing area. 5540N/4250E.
- BE2019 Grab Chl ash tuff across 10 cm, from 5 m wide shear. 1 % diss py. 5910N/4125E.
- BE2020 Grab Chl ash/lapilli tuff across 20 cm, from 5 m wide band. Traces diss py and po. Rusty-weathering. 5875N/4055E.
- BE2021 Grab from 10 Chl gneiss from silicified shear 10 cm wide. To 5 % diss py. cm 5500N/4300E.
- BE2022 Grab from 10 Chl gneiss from silicified shear 5 m wide. 1 to 2 % diss py, cm. trace cp and po. Mineralized, discontinuous pod 15 m long. 5500N/4300E
- BE2023 Grab Weakly sericite-altered, silicified quartz-biotite gneiss. Rare tr py. UTM 6518450N/516650E.
- BE2024 Grab across 2 Silica-altered chl gneiss with abundant limonite (after py?). m 5790N/5375E.
- BE2025 Grab across 2 Silica-altered chl schist/gneiss with abundant limonite (after m py?) and qtz veining across 2 m zone. 5785N/5425E
- BE2026 Grab from 10 Chloritic ash tuff; intensely sericite-altered, weakly silicified, cm. band 6 m wide. Total 5 % sulphides po>py>cp. Cp traces within centres of po masses. 4925N/2940E.
- BE2027 Grab from 10 Chloritic ash tuff; intensely sericite-altered, weakly silicified, cm. band 6 m wide. Total 5 % sulphides po>py>cp. Cp traces within centres of po masses. 4925N/2940E.
- BE2028 Grab from 10 Chloritic ash tuff; intensely sericite-altered, weakly silicified, cm. band 6 m wide. Total 5 % sulphides po>py>cp. Cp traces within centres of po masses. 4925N/2940E.
- BE2029 Grab across 2 Quartz vein 2 m wide, 20 m long with 10 % limonite and Mn- m staining. Quartz crystals line open spaces around breccia fragments. 4830N/3475E.
- BE2030 Grab across 2 Quartz vein 2 m wide, 20 m long with 10 % limonite and Mn- m staining. Quartz crystals line open spaces around breccia fragments. 4830N/3475E.
- BE2031 Grab across 2 Quartz vein 2 m wide, 20 m long with 10 % limonite and Mn- m staining. Quartz crystals line open spaces around breccia fragments. 4830N/3475E.
- BE2032 Grab across 1 VADER SHOWING. Sample from 1 m wide quartz vein within m 1.5 m wide fault zone. 5 – 7 % total sulphides, with py>gn>cp. Heavy Mn-oxide staining along fault. 4900N/3540E.
- BE2033 Grab across 1 VADER SHOWING. Sample from 1 m wide quartz vein within m 1.5 m wide fault zone. 5 – 7 % total sulphides, with py>gn>cp. Heavy Mn-oxide staining along fault. 4900N/3540E.
- BE2034 Grab across 1 VADER SHOWING. Sample from 1 m wide quartz vein within m 1.5 m wide fault zone. 5 – 7 % total sulphides, with

- py>gn>cp. Heavy Mn-oxide staining along fault. 4900N/3540E.
- BE2035 Grab across 1 SOUTH VADER SHOWING. Sample from 1 m wide quartz vein along fault zone; moderate sericite alteration along fault. Py>gn>cp; trace cp. Moderate Mn-oxide staining along fault. Some qtz crystals lining open cavities. 4750N/3000E approx. loc'n.
- BE2036 Grab across 1 SOUTH VADER SHOWING. Sample from 1 m wide quartz vein along fault zone; moderate sericite alteration along fault. Py>gn>cp; trace cp. Moderate Mn-oxide staining along fault. Some qtz crystals lining open cavities. 4750N/3000E approx. loc'n.
- BE2037 Grab across 1 SOUTH VADER SHOWING. Sample from 1 m wide quartz vein along fault zone; moderate sericite alteration along fault. Py>gn>cp; trace cp. Moderate Mn-oxide staining along fault. Some qtz crystals lining open cavities. 4750N/3000E approx. loc'n.
- BE2038 Grab across 10 m Weakly sericite-altered qtz-biotite gneiss with 1 – 2 % diss py and po. Hornfels?? underlying meta-gabbro. 4595N/3665E.
- BE2039 Grab across 50 cm Intensely silicified horizon 1 m wide within chl tuff; about 5 % py and po. 4225N/3450E.
- BE2040 Grab across 10 cm Silicified pod 20 cm wide within chl gneiss unit. Total 3 - 5 % sulphides; py = po > cp > sp. 4290N/3585E.
- BE2041 Grab across 10 m Quartz-sericite schist with 5 % disseminated py. Unit 25 m thick; thrust fault unit. 4370N/3680E.
- BE2042 Grab across 10 m Quartz-sericite schist with 5 % disseminated py. Unit 25 m thick; thrust fault unit. 4370N/3680E.
- BE2043 Float Coarse-grained chlorite schist; stringer py > po > cp; total 5 – 7 % sulphides. Chlorite appears typical of footwall-type alteration. Float 10 cm diameter. UTM 6515974N/9515210E.
- BE2044 Float Silicified felsic ash tuff with wispy py + aspy + trace sp; total 3 % sulphides. Float 50 cm diameter. 150 m south of BE2043. UTM 6515975N/515160E.
- BE2045 Float Intensely silicified felsic tuff? with total 10 - 15 % very fine grained sulphides; py, trace cp; gn?. Float 30 cm diameter. UTM 6515800N/515230E.
- BE2046 Grab across 10 cm Silicified pod 10 cm wide within chl gneiss unit. Total 3 % sulphides; py = po > cp. UTM 6515490N/515237E
- BE2047 Grab across 1 m Chlorite stringers to 1 cm within strongly foliated gneiss or meta-gabbro. Py = po > cp. Total 1 – 2 % sulphides. Chlorite stringer zone? UTM 6514999N/514640E.
- BE2048 Grab 2 cm wide qtz vein with 15 % limonite (after py?) in fresh black argillite. UTM6512857N/515762E.

BE2049	Float	Black chlorite schist with 2 % wispy stringers py + cp. Float from base of cliff of dark green – black chlorite schist. Footwall-type chlorite. UTM 6515020N/515856E.
BE2050	Float	Black chlorite schist with 4 - 5 % total sulphides; 1 – 2 % po. Wispy stringers py + po + cp. Footwall-type chlorite. UTM 6514850N/515946E. Elev. 1926 m.
BE2051	Grab	Chlorite schist; immediate footwall to Ice Showing. Taken 1 – 2 m below 3.5 m wide mineralized horizon. For whole rock analysis. UTM 6514644N/516001E.
BE2052	Grab	Chlorite schist; 20 m within footwall of Ice Showing. Strong chlorite alteration. For whole rock analysis. UTM 6514644N/515997E.
BE2053	Grab across 10 cm	From qtz-biotite gneiss band 3 m wide in hangingwall above mineralized zone. Felsic volcanic? For whole rock analysis. UTM 6514660N/516017E.
BE2054	Select float	Select sample chlorite schist/gneiss from talus below Ice Showing. Strong footwall-type chlorite alteration with 20 % sulphides. Po > py > cp. UTM6514650N/515970E.
BE2055	Select float	Select sample chlorite schist/gneiss from talus below Ice Showing. Strong footwall-type chlorite alteration with 20 % sulphides. Po > py > cp. UTM6514650N/515970E.
BE2056	Select float	Select sample chlorite schist/gneiss from talus below Ice Showing. Strong footwall-type chlorite alteration with 20 % sulphides. Po > py > cp. UTM6514650N/515970E.
BE2057	Grab from 20 cm wide bed	Rusty weathering black argillite with 1 % diss py, and possibly very fine grained sphalerite? Also fine grained, white phase may indicate barite. Bed strike 140° dip 68 SW. UTM 651257N/515145E.
BE2058	Grab from 20 cm wide bed	Rusty weathering black argillite with 1 % diss py, and possibly very fine grained sphalerite? Also fine grained, white phase may indicate barite. Bed strike 140° dip 68 SW. UTM 651257N/515145E.
BE2059	Grab from 10 cm	Silicified black argillite near contact with a quartz-biotite dyke. Moderately silicified with 2 % fine grained pyrite. UTM 6512130N/515025E. Bed 5 m wide.
BE2060	Float	Grey argillite with limonite staining and trace py. UTM 6512384N/515828E. Elev. 1675 m.
BE2061	Grab from 10 cm	Black argillite, sheared, with limonite and manganese oxide staining. Grid 10600N/10495E. Bed 20 m wide; strike 290/dip 60.
BE2062	Grab	Altered basalt(?) with possible pillowed flows. Sample for whole rock analysis. 10650N/10500E.
BE2063	Float	Black argillite, subcrop, with limonite and manganese oxide staining. Quartz veinlet. Next to old sample 530416. Grid

		10525N/10480E.
BE2064	Grab from 10 cm	Black argillite with quartz veinlet stockwork. No limonite nor manganese oxides present. Bed 5 m wide. 10400N/10540E.
BE2065	Float	Chlorite schist with intense chlorite alteration; po>py>>cp. Total sulphides 5 %. Float from south end of tarn. EAST ICE. UTM 6514791N/516521E. Elev. 1850 m.
BE2066	Float	Quartz – chlorite gneiss with intense chlorite alteration. Total 10 % very finely disseminated py and po. Float from talus 100 m SE of outcrop. EAST ICE area. UTM 6515175N/516460E. Elev. 1825 m.
BE2067	Float	Black chlorite schist with intense chlorite alteration. 2 % disseminated cp. Float from talus 100 m SE of source outcrop. EAST ICE area. UTM 6515175N/516460E. Elev. 1825 m.
BE2068	Grab	Felsic volcanic tuff band 2 m wide with 5 - 10 % diss py and cp. Very fine grained sulphides in a quartz-chlorite rock (intermediate exhalite or felsic tuff?) UTM 6515175N/516460E. Elev. 1775 m. 75 m up-section from the Storm Showing.
BE2069	Float; select	Chloritic schist/gneiss with 10 - 13 % po and 1 – 2 % cp. EAST ICE AREA. Intensely chlorite-altered. Float from talus 100 m SE of outcrop source, as for BE2066-BE2067 above. UTM 6515175N/516460E. Elev. 1825 m.
BE2070	Select	STORM SHOWING. From 30 cm wide better-mineralized band with up to 40 % disseminated sulphides hosted in a garnet – chlorite – biotite – garnet horizon 8 m wide. Py, cp and ?sp, all very fine grained. UTM 6515155N/516850E. Subround sulphidized, pyritic clasts to 3 cm present.
BE2070A	Select	STORM SHOWING. From 30 cm wide better-mineralized band with up to 40 % disseminated sulphides hosted in a garnet – chlorite – biotite – garnet horizon 8 m wide. Py, cp and ?sp, all very fine grained. UTM 6515155N/516850E. Subround sulphidized, pyritic clasts to 3 cm present.
BE2071	Chip across 1 m	STORM SHOWING. Sample series: BE2071 at top of mineralized interval; BE2076 at base of 6 m wide mineralized horizon. Garnet – biotite – chlorite gneiss. UTM 6515155N/516850E.
BE2072	Chip across 1 m	STORM SHOWING. Sample series: BE2071 at top of mineralized interval; BE2076 at base of 6 m wide mineralized horizon. Garnet – biotite – chlorite gneiss. UTM 6515155N/516850E.
BE2073	Chip across 1 m	STORM SHOWING. Sample series: BE2071 at top of mineralized interval; BE2076 at base of 6 m wide mineralized horizon. Garnet – biotite – chlorite gneiss. UTM

- 6515155N/516850E.
- BE2074 Chip across 1 m STORM SHOWING. Sample series: BE2071 at top of mineralized interval; BE2076 at base of 6 m wide mineralized horizon. Garnet – biotite – chlorite gneiss. UTM 6515155N/516850E.
- BE2075 Chip across 1 m STORM SHOWING. Sample series: BE2071 at top of mineralized interval; BE2076 at base of 6 m wide mineralized horizon. Garnet – biotite – chlorite gneiss. UTM 6515155N/516850E.
- BE2076 Chip across 1 m STORM SHOWING. Sample series: BE2071 at top of mineralized interval; BE2076 at base of 6 m wide mineralized horizon. Garnet – biotite – chlorite gneiss. UTM 6515155N/516850E.
- BE2077 Chip across 1 m STORM SHOWING. From 30 cm wide better-mineralized band with up to 40 % disseminated sulphides hosted in a garnet – chlorite – biotite – garnet horizon 8 m wide. Py, cp and ?sp, all very fine grained. Sample collected within better-mineralized band, along dip of steeply-dipping band. UTM 6515155N/516850E. Subround sulphidized, pyritic clasts to 3 cm present. Overlies BE2078.
- BE2078 Chip across 1 m STORM SHOWING. From 30 cm wide better-mineralized band with up to 40 % disseminated sulphides hosted in a garnet – chlorite – biotite – garnet horizon 8 m wide. Py, cp and ?sp, all very fine grained. Sample collected within better-mineralized band, along dip of steeply-dipping band. UTM 6515155N/516850E. Subround sulphidized, pyritic clasts to 3 cm present.
- BE3000 Grab Weakly chlorite altered, massive siliceous unit with 1 – 2 % fine, disseminated py/po; trace cp. Limonite on weathered sfc. Spindly serpentinite crystals present. From 5 cm wide band. Joint strike 352/74.
- BE3001 Grab Moderately chlorite-altered, silicified massive siliceous unit with 3 – 4 % fine, disseminated py. 1 % orange-yellow fine grained sp. Traces fine cp. Limonite on weathered sfc. From 20 cm wide band.
- BE3002 Grab Moderately to intensely chlorite-altered, silicified, aphyric, massive siliceous unit with 1 % fine, disseminated py. 1 % orange-yellow fine grained sp. Rare diss cp. Limonite on weathered sfc. From 10 cm wide band. Joint str. 358/85.
- BE3003 Grab Moderately chlorite-altered, silicified, aphyric, massive siliceous unit with 5 % fine, disseminated po. 1 – 2 % diss sp. 1 % fine cp stringers. Traces py. Limonite on weathered sfc. From 10 cm wide band.
- BE3004 Chip across 4 m Up to 5 % py in siliceous shear zone 4 m wide with Fe-

	m	carbonate. Traces cp and po.
BE3005	Select	Qtz-Fe carbonate vein with trace fine grained diss py. Aphyric siliceous texture; does not appear sheared.
BE3006	Select float	Rusty-weathering stringer of Fe-carbonate 10 cm wide within qtz vein with trace fine grained diss py. Large float boulder 2 m N of BE3005.
BE3007	Select	Smokey coloured, intensely silicified intermediate volcanic band 10 cm wide with 2 - 3 % fine grained diss py. Minor chl stringers. 20 m along strike(?) of 255° from BE3005, BE3006.
BE3008	Select float	Qtz vein with 3 % py, traces gn, sp, cp.
BE3009	Select	BEALE SHOWING. Intensely silicified volcanic band with 5 % fine grained diss py, 1 % diss cp and sp. Moderately limonite-stained. At sample sites 272226, 272227.
BE3010	Select	BEALE SHOWING. Intensely silicified volcanic band with 7 - 10 % fine grained diss py, 3 % diss cp and 5 % fine grained sp. Moderately limonite-stained. At sample sites 272226, 272227. Same outcrop as BE3009 above.
BE3011	Select	BEALE SHOWING. Intensely silicified volcanic band with 7 - 10 % fine grained diss py, 3 % diss cp and 5 % fine grained sp. Sulphides interbanded. Moderately limonite-stained. At sample sites 272226, 272227. Same outcrop as BE3009, BE3010 above.
BE3012	Select	Intensely silicified felsic volcanic band with 3 % fine grained diss py, 1 % black, fine grained sp. Weak to moderate limonite stain. Small outcrop exposure about 15 m N of BE3009 - BE3011.
BE3013	Select	Intensely silicified, weakly chloritized felsic volcanic band with 1 % fine grained diss py. Weak to moderate limonite stain. Small, 50 cm outcrop exposure along extension of rock unit in previous samples.
BE3014	Select	Intensely silicified, weakly chloritized felsic volcanic band with 1 % fine grained diss py, traces cp and sp. Weak to moderate limonite stain. Local rare, blebby chlorite.
BE3015	Select	Intensely silicified, weakly chloritized felsic volcanic band with 1 - 2 % fine grained diss py. Weak to moderate limonite stain. Local rare, blebby chlorite. Similar to BE3014 above.
BE3016	Select	Intensely silicified felsic volcanic band with 3 - 5 % fine grained diss py, 1 % cp, trace sp. Native copper.
BE3017	Select	Pervasively silicified, fine grained chlorite ash tuff(?) band 10 cm wide. Local quartz veinlets. Fine grained sulphides throughout. 4925N/2940E.
BE3018	Float	Coarsely fragmental, felsic fragmental. Float found in stream bed. Manganese oxides. Limonite.

- BE3019 Select Bullish quartz vein with Fe carbonate, trace fine grained diss py. Weak to moderate limonite stain. Vein 10 cm wide. Elev. 1810 m.
- BE3020 Select VADER SHOWING. Sample from fault str. 060/75 within chloritic gneiss. 5 % cp, 3 % gn, 1 % bornite generally medium to fine grained. Gn locally euhedral, coarse grained. Sample across 10 cm from 150 cm wide fault.
- BE3021 Select SOUTH VADER SHOWING. Quartz- Fe carbonate vein with 4 cm wide wallrock (chl gneiss) fragments. Rare very fine grained diss py. Sample across 10 cm from 4 m wide vein. Elev. 1690 m.
- BE3022 Grab Limonitic qtz-sericite-biotite gneiss with 1 % po and py along contact with overlying meta-gabbro. Rock grey – apple green colour, with aphyric silica. Grab from 10 cm wide band within unit 25 m wide.
- BE3023 Grab from 10 cm ICE SHOWING. Pervasive, intense chlorite alteration within ash tuff(?). Rare, very fine grained cp and po in chloritic groundmass. Sample from 10 cm wide band within unit about 4 m wide, strike 340/55. Abundant limonite. Elev. 1990 m.
- BE3024 Grab from 10 cm ICE SHOWING HANGINGWALL. Banded (on 1 – 2 cm scale) chlorite and quartz-Fe carbonate gneiss structurally above Ice Showing, in hangingwall. Chlorite very finely mottled. Siliceous speckles throughout. No visible sulphides. Sample from 10 cm wide band within unit ? m thick. Local limonite. Elev. 1990 m.
- BE3025 Grab from 10 cm ICE SHOWING. Pervasive chlorite alteration within ash tuff(?). Weakly banded sulphides. 1 – 2 % po with splashes of local, very fine grained cp; rare fine grained honey brown sp(?). Siliceous stringers 1 mm wide form stockwork throughout. Sample from 10 cm wide band within unit about 5 m wide. Abundant limonite. Elev. 1990 m.
- BE3026 Grab from 10 cm ICE SHOWING. Pervasive, very fine grained chlorite alteration within ash tuff(?). Weakly banded sulphides. 1 – 2 % fine grained diss po with rare fine grained cp. Sample from 10 cm wide band within unit about 5 m wide. Abundant limonite. Elev. 1990 m.
- BE3027 Grab from 20 cm ICE SHOWING HANGINGWALL. Chlorite-altered lapilli tuff structurally above Ice Showing, in hangingwall. Rare sulphides; fine stringers of yellow-brown sp. Sample from 20 cm wide band within unit ? m thick. Local limonite. Elev. 1980 m.
- BE3028 Select from 10 cm ICE SHOWING. Pervasive, intense, very fine grained chlorite alteration within ash tuff(?). Up to 1 % fine grained diss po,

- traces cp and py. Sample from 10 cm wide band within unit 2 m wide. Abundant limonite.
- BE3029 Grab from 10 cm ICE SHOWING FOOTWALL. Fine to medium grained chloritic gneiss with rare fine grained diss py and sp stringers. Elev. 1980 m.
- BE3030 Grab from 10 cm ICE SHOWING. Moderately to intensely chlorite altered chloritic gneiss with up to 1 % fine grained diss py. Finely mottled texture. Sample from band 4 m wide.
- BE3031 Select grab from 10 cm ICE SHOWING Moderately chlorite altered chloritic gneiss with 2 to 3 % po with local splashes cp and py. Weakly banded appearance. Sample from band 2 m wide. Elev. 1980 m.
- BE3032 Grab from 10 cm ICE SHOWING. Trace to 1 % sulphides; po, py, cp. Sample from 10 cm wide band within chloritic gneiss unit about 5 m wide. Abundant limonite.
- BE3033 Grab from 20 cm ICE SHOWING northern portion. Chloritic gneiss with 1 – 2 % fine grained diss py and po with rare fine stringers cp. Sample from 20 cm wide band within unit about 5 m wide. Abundant limonite. Elev. 1980 m.
- BE3034 Select grab from 50 cm ICE SHOWING. Chloritic gneiss with local 3 % fine grained diss to massive py stringers and trace cp as blebs. Sample from 50 cm wide band within unit about 10 m wide. Abundant limonite.
- BE3035 Select from 15 cm ICE SHOWING. Moderately sheared chloritic gneiss with up to 1 % py. Quartz veinlets. Sample from 15 cm wide band within unit 8 m wide. Abundant purple and orange limonite. Elev. 1980 m
- BE3036 Select from 10 cm ICE SHOWING. Chloritic gneiss with 2 % py stringers. Sample from 10 cm wide band within unit 8 m wide. Abundant purple and orange limonite. Abundant limonite.
- BE3037 Select from 5 cm ICE SHOWING. Quartz – Fe carbonate vein with 1 - 2 % coarse grained, euhedral gn. Steeply dipping vein strike 325/85 crosscuts outcrop exposure of Ice Showing. Vein 5 cm wide. Elev. 1990 m.
- BE3038 Select from 10 cm Massive, black aphyric argillite with trace to 1 % very fine grained diss py and sp. Locally moderately silicified. Abundant purple and orange limonite. Sample from 10 cm wide bed within unit 25 m wide strike 140/68. Elev. 1710 m. UTM 6512157N/15145E.
- BE3039 Select from 10 cm Massive, black aphyric argillite with 2 to 3 % very fine grained diss py. Abundant purple and orange limonite. Sample from 10 cm wide bed within unit 25 m wide strike 140/70. Elev. 1703 m. UTM 6512150N/15143E.
- BE3040 Float Backside of ICE SHOWING ridge. Moderately silicified,

moderately chlorite altered chlorite gneiss with 5 to 7 % po, 3
– 5 % fine grained diss cp. Abundant purple limonite. UTM
6515175N/516460E.

APPENDIX E
ASSAY CERTIFICATES



Chemex Labs Ltd.

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

To: BOLIDEN - WESTMIN LIMITED
P.O. BOX 49066
STE. 904 - 1055 DUNSMUIR ST.
VANCOUVER, BC
V7X 1C4

INVOICE NUMBER

I 9 8 2 9 3 7 7

BILLING INFORMATION

Date: 31-AUG-98
Project: BEALE
P.O. No.: 6112
Account: QDGD

Comments:

Billing: For analysis performed on
Certificate A9829377

Terms: Payment due on receipt of invoice
1.25% per month (15% per annum)
charged on overdue accounts

Please Remit Payments to:

CHEMEX LABS LTD.
212 Brooksbank Ave.,
North Vancouver, B.C.
Canada V7J 2C1

# OF SAMPLES	ANALYSED FOR CODE - DESCRIPTION	UNIT PRICE	SAMPLE PRICE	AMOUNT
10	258 - RUSH Assay ring approx 150 mesh A-30 ICP Package RUSH 0-3 Kg crush/split	3.15 13.50 3.00	19.65	196.50
Total Cost \$				196.50
Client Discount (25%) \$				-49.13
TOTAL PAYABLE (U.S.) \$				147.37

COPY



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: BOLIDEN - WESTMIN LIMITED
ATTN: DAVID TERRY
P.O. BOX 49066, STE. 904 - 1055 DUNSMUIR ST.
VANCOUVER, BC
V7X 1C4

A9829377

Comments: ATTN: DAVID TERRY CC: DAVID PAWLIUK

CERTIFICATE

A9829377

(QDGD) - BOLIDEN - WESTMIN LIMITED

Project: BEALE
P.O.#: 6112

Samples submitted to our lab in Vancouver, BC.
This report was printed on 31-AUG-1998.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
258	10	RUSH Assay ring approx 150 mesh
295	10	RUSH crush and split (0-3 Kg)
3202	10	Rock - save entire reject
233	10	Assay AQ ICP digestion charge

* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
4001	10	Ag ppm: A30 ICP package	ICP-AES	1	200
4002	10	Al %: A30 ICP package	ICP-AES	0.01	15.00
4003	10	As ppm: A30 ICP package	ICP-AES	10	50000
4004	10	Ba ppm: A30 ICP package	ICP-AES	20	20000
4005	10	Be ppm: A30 ICP package	ICP-AES	5	100
4006	10	Bi ppm: A30 ICP package	ICP-AES	10	50000
4007	10	Ca %: A30 ICP package	ICP-AES	0.01	30.0
4008	10	Cd ppm: A30 ICP package	ICP-AES	5	1000
4009	10	Co ppm: A30 ICP package	ICP-AES	5	50000
4010	10	Cr ppm: A30 ICP package	ICP-AES	10	20000
4011	10	Cu ppm: A30 ICP package	ICP-AES	5	50000
4012	10	Fe %: A30 ICP package	ICP-AES	0.01	30.0
4013	10	Hg ppm: A30 ICP package	ICP-AES	10	10000
4014	10	K %: A30 ICP package	ICP-AES	0.01	10.00
4015	10	Mg %: A30 ICP package	ICP-AES	0.01	30.0
4016	10	Mn ppm: A30 ICP package	ICP-AES	10	50000
4017	10	Mo ppm: A30 ICP package	ICP-AES	5	50000
4018	10	Na %: A30 ICP package	ICP-AES	0.01	20.0
4019	10	Ni ppm: A30 ICP package	ICP-AES	5	50000
4020	10	P ppm: A30 ICP package	ICP-AES	100	10000
4021	10	Pb ppm: A30 ICP package	ICP-AES	5	50000
4022	10	Sb ppm: A30 ICP package	ICP-AES	10	10000
4023	10	Sc ppm: A30 ICP package	ICP-AES	5	10000
4024	10	Sr ppm: A30 ICP package	ICP-AES	5	10000
4025	10	Ti %: A30 ICP package	ICP-AES	0.01	10.00
4026	10	Tl ppm: A30 ICP package	ICP-AES	20	10000
4027	10	U ppm: A30 ICP package	ICP-AES	20	10000
4028	10	V ppm: A30 ICP package	ICP-AES	20	50000
4029	10	W ppm: A30 ICP package	ICP-AES	20	10000
4030	10	Zn ppm: A30 ICP package	ICP-AES	5	50000



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: BOLIDEN - WESTMIN LIMITED
 ATTN: DAVID TERRY
 P.O. BOX 49066, STE. 904 - 1055 DUNSMUIR ST.
 VANCOUVER, BC
 V7X 1C4

Page Number : 1-A
 Total Pages : 1
 Certificate Date: 31-AUG-1998
 Invoice No. : 19829377
 P.O. Number : 6112
 Account : QDGD

Project : BEALE
 Comments: ATTN: DAVID TERRY CC: DAVID PAWLIUK

CERTIFICATE OF ANALYSIS A9829377

SAMPLE	PREP CODE		Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Hg	K	Mg	Mn	Mo	Na	Ni
			ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	%	ppm
BE2054	258	295	3	0.93	50	< 20	< 5	< 10	1.42	< 5	165	50	8690	13.60	10	0.03	0.53	150	< 5	0.09	125
BE2055	258	295	3	2.15	40	< 20	< 5	< 10	0.25	< 5	205	90	6860	16.40	< 10	0.04	1.47	340	< 5	0.06	120
BE2056	258	295	1	3.36	40	< 20	< 5	< 10	0.53	< 5	45	170	175	7.81	< 10	0.03	1.68	860	5	0.07	50
BE2066	258	295	1	1.88	50	< 20	< 5	< 10	0.33	< 5	165	80	5700	14.85	< 10	0.05	1.28	310	5	0.08	110
BE2067	258	295	5	2.64	50	< 20	< 5	< 10	0.80	< 5	70	80	2150	4.91	< 10	0.03	1.69	540	5	0.18	55
BE2068	--	--	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed
BE2069	258	295	3	1.33	50	< 20	< 5	< 10	1.14	< 5	250	100	2120	14.95	< 10	0.03	0.72	490	5	0.09	265
BE2070	258	295	< 1	3.19	60	120	< 5	< 10	1.70	< 5	90	80	2490	15.10	< 10	0.38	0.88	480	20	0.07	150
BE2070A	258	295	1	2.55	50	60	< 5	< 10	1.31	< 5	105	80	1920	18.05	< 10	0.20	0.83	610	10	0.04	170
BE2077	258	295	< 1	2.79	20	260	< 5	< 10	1.96	< 5	15	120	310	9.62	< 10	0.58	0.68	610	< 5	0.06	45
BE2078	258	295	< 1	2.75	60	180	< 5	< 10	1.06	< 5	25	90	360	10.80	< 10	0.58	0.68	620	10	0.05	55

CERTIFICATION: *Hartfelder*



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: BOLIDEN - WESTMIN LIMITED
ATTN: DAVID TERRY
P.O. BOX 49066, STE. 904 - 1055 DUNSMUIR ST.
VANCOUVER, BC
V7X 1C4

Page Number : 1-B
Total Pages : 1
Certificate Date: 31-AUG-1998
Invoice No. : 19829377
P.O. Number : 6112
Account : QDGD

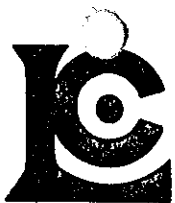
Project : BEALE
Comments: ATTN: DAVID TERRY CC: DAVID PAWLIUK

CERTIFICATE OF ANALYSIS A9829377

SAMPLE	PREP CODE		P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
			ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
BE2054	258	295	1500	30	< 10	< 5	10	0.05	< 20	< 20	20	< 20	380
BE2055	258	295	500	40	< 10	< 5	5	0.08	< 20	< 20	120	20	885
BE2056	258	295	1100	< 5	< 10	5	30	0.19	< 20	< 20	140	20	55
BE2066	258	295	500	5	< 10	< 5	< 5	0.09	< 20	< 20	100	< 20	800
BE2067	258	295	400	35	< 10	< 5	15	0.14	< 20	< 20	60	< 20	220
BE2068	--	--	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed
BE2069	258	295	2500	20	< 10	10	5	0.27	< 20	< 20	120	20	65
BE2070	258	295	7000	30	< 10	< 5	215	0.05	< 20	< 20	140	< 20	95
BE2070A	258	295	6100	50	10	< 5	145	0.04	< 20	< 20	120	< 20	80
BE2077	258	295	6300	45	< 10	< 5	130	0.11	< 20	< 20	160	20	80
BE2078	258	295	5100	55	< 10	< 5	130	0.11	< 20	< 20	120	< 20	75

CERTIFICATION:

David Terry



Chemex Labs Ltd.

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

To: BOLIDEN - WESTMIN LIMITED

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

INVOICE NUMBER

I 9 8 3 0 7 3 2

BILLING INFORMATION

Date: 11-SEP-98
Project: BEALE
P.O. No.: 6112
Account: GP D

Comments:

Billing: For analysis performed on
Certificate A9830732

Terms: Payment due on receipt of invoice
1.25% per month (15% per annum)
charged on overdue accounts

Please Remit Payments to:

CHEMEX LABS LTD.
212 Brooksbank Ave.,
North Vancouver, B.C.
Canada V7J 2C1

# OF SAMPLES	ANALYSED FOR CODE - DESCRIPTION	UNIT PRICE	SAMPLE PRICE	AMOUNT
10	258 - RUSH Assay ring approx 150 mesh A-30 ICP Package RUSH 0-3 Kg crush/split	3.75 15.75 3.90		234.00
Total Cost \$				234.00
Client Discount (25%) \$				-58.50
Net Cost \$				175.50
(Req# R100938885) GST \$				12.29
TOTAL PAYABLE (CDN) \$				187.79



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: BOLIDEN - WESTMIN LIMITED
ATTN: DAVID TERRY
P.O. BOX 49066, STE. 904 - 1055 DUNSMUIR ST.
VANCOUVER, BC
V7X 1C4

A9830732

Comments: ATTN: DAVID TERRY CC: DAVID PAWLIUK

CERTIFICATE **A9830732**

(GP D) - BOLIDEN - WESTMIN LIMITED

Project: BEALE
P.O. #: 6112

Samples submitted to our lab in Vancouver, BC.
This report was printed on 11-SEP-1998.

SAMPLE PREPARATION		
CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
258	10	RUSH Assay ring approx 150 mesh
295	10	RUSH crush and split (0-3 Kg)
3202	10	Rock - save entire reject
233	10	Assay AQ ICP digestion charge

* NOTE 1:

ANALYTICAL PROCEDURES					
CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
4001	10	Ag ppm: A30 ICP package	ICP-AES	1	200
4002	10	Al %: A30 ICP package	ICP-AES	0.01	15.00
4003	10	As ppm: A30 ICP package	ICP-AES	10	50000
4004	10	Ba ppm: A30 ICP package	ICP-AES	20	20000
4005	10	Be ppm: A30 ICP package	ICP-AES	5	100
4006	10	Bi ppm: A30 ICP package	ICP-AES	10	50000
4007	10	Ca %: A30 ICP package	ICP-AES	0.01	30.0
4008	10	Cd ppm: A30 ICP package	ICP-AES	5	1000
4009	10	Co ppm: A30 ICP package	ICP-AES	5	50000
4010	10	Cr ppm: A30 ICP package	ICP-AES	10	20000
4011	10	Cu ppm: A30 ICP package	ICP-AES	5	50000
4012	10	Fe %: A30 ICP package	ICP-AES	0.01	30.0
4013	10	Hg ppm: A30 ICP package	ICP-AES	10	10000
4014	10	K %: A30 ICP package	ICP-AES	0.01	10.00
4015	10	Mg %: A30 ICP package	ICP-AES	0.01	30.0
4016	10	Mn ppm: A30 ICP package	ICP-AES	10	50000
4017	10	Mo ppm: A30 ICP package	ICP-AES	5	50000
4018	10	Na %: A30 ICP package	ICP-AES	0.01	20.0
4019	10	Ni ppm: A30 ICP package	ICP-AES	5	50000
4020	10	P ppm: A30 ICP package	ICP-AES	100	10000
4021	10	Pb ppm: A30 ICP package	ICP-AES	5	50000
4022	10	Sb ppm: A30 ICP package	ICP-AES	10	10000
4023	10	Sc ppm: A30 ICP package	ICP-AES	5	10000
4024	10	Sr ppm: A30 ICP package	ICP-AES	5	10000
4025	10	Ti %: A30 ICP package	ICP-AES	0.01	10.00
4026	10	Tl ppm: A30 ICP package	ICP-AES	20	10000
4027	10	U ppm: A30 ICP package	ICP-AES	20	10000
4028	10	V ppm: A30 ICP package	ICP-AES	20	50000
4029	10	W ppm: A30 ICP package	ICP-AES	20	10000
4030	10	Zn ppm: A30 ICP package	ICP-AES	5	50000

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.



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: BOLIDEN - WESTMIN LIMITED
 ATTN: DAVID TERRY
 P.O. BOX 49066, STE. 904 - 1055 DUNSMUIR ST.
 VANCOUVER, BC
 V7X 1C4

Page 1 of 1
 Total Pages : 1
 Certificate Date: 11-SEP-1998
 Invoice No. : I9830732
 P.O. Number : 6112
 Account : GP D

Project : BEALE
 Comments : ATTN: DAVID TERRY CC: DAVID PAWLIUK

CERTIFICATE OF ANALYSIS A9830732

SAMPLE	PREP CODE		Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Hg	K	Mg	Mn	Mo	Na	Ni
			ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	%	ppm
BE2054	258	295	3	0.93	50	< 20	< 5	< 10	1.42	< 5	165	50	8690	13.60	10	0.03	0.53	150	< 5	0.09	125
BE2055	258	295	3	2.15	40	< 20	< 5	< 10	0.25	< 5	205	90	6860	16.40	< 10	0.04	1.47	340	< 5	0.06	120
BE2056	258	295	1	3.36	40	< 20	< 5	< 10	0.53	< 5	45	170	175	7.81	< 10	0.03	1.68	860	5	0.07	50
BE2066	258	295	1	1.88	50	< 20	< 5	< 10	0.33	< 5	165	80	5700	14.85	< 10	0.05	1.28	310	5	0.08	110
BE2067	258	295	5	2.64	50	< 20	< 5	< 10	0.80	< 5	70	80	2150	4.91	< 10	0.03	1.69	540	5	0.18	55
BE2068	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
BE2069	258	295	3	1.33	50	< 20	< 5	< 10	1.14	< 5	250	100	2120	14.95	< 10	0.03	0.72	490	5	0.09	265
BE2070	258	295	< 1	3.19	60	120	< 5	< 10	1.70	< 5	90	80	2490	15.10	< 10	0.38	0.88	480	20	0.07	150
BE2070A	258	295	1	2.55	50	60	< 5	< 10	1.31	< 5	105	80	1920	18.05	< 10	0.20	0.83	610	10	0.04	170
BE2077	258	295	< 1	2.79	20	260	< 5	< 10	1.96	< 5	15	120	310	9.62	< 10	0.58	0.68	610	< 5	0.06	45
BE2078	258	295	< 1	2.75	60	180	< 5	< 10	1.06	< 5	25	90	360	10.80	< 10	0.58	0.68	620	10	0.05	55

CERTIFICATION

David Terry



Chemex Labs Ltd.

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

No: BOLIDEN - WESTMIN LIMITED

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

INVOICE NUMBER

I 9 8 3 0 7 3 3

BILLING INFORMATION

Date: 14-SEP-98
Project: BEALE
P.O. No.: 6112
Account: GP D

Comments:

Billing: For analysis performed on
Certificate A9830733

Terms: Payment due on receipt of invoice
1.25% per month (15% per annum)
charged on overdue accounts

Please Remit Payments to:

CHEMEX LABS LTD.
212 Brooksbank Ave.,
North Vancouver, B.C.
Canada V7J 2C1

# OF SAMPLES	ANALYSED FOR CODE - DESCRIPTION	UNIT PRICE	SAMPLE PRICE	AMOUNT
10	244 - Pulp; prev. prepared at Chemex 983 - Au ppb FA+AA	0.00 9.75	9.75	97.50
Total Cost \$				97.50
Client Discount (25%) \$				-24.38
Net Cost \$				73.12
(Ref# R100938885) GST \$				5.12
TOTAL PAYABLE (CDN) \$				78.24

COPY



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: BOLIDEN - WESTMIN LIMITED
ATTN: DAVID TERRY
P.O. BOX 49066, STE. 904 - 1055 DUNSMUIR ST.
VANCOUVER, BC
V7X 1C4

A9830733

Comments: ATTN: DAVID TERRY CC: DAVID PAWLIUK

CERTIFICATE

A9830733

(GP D) - BOLIDEN - WESTMIN LIMITED

Project: BEALE
P.O. #: 6112

Samples submitted to our lab in Vancouver, BC.
This report was printed on 14-SEP-1998.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
244	10	Pulp; prev. prepared at Chemex

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	10	Au ppb: Fuse 30 g sample	FA-AAS	5	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: BOLIDEN - WESTMIN LIMITED
ATTN: DAVID TERRY
P.O. BOX 49066, STE 904 - 1055 DUNSMUIR ST.
VANCOUVER, BC
V7X 1C4

Page Number : 1
Total Pages : 1
Certificate Date: 14-SEP-1998
Invoice No. : 19830733
P.O. Number : 6112
Account : GP D

Project : BEALE
Comments: ATTN: DAVID TERRY CC: DAVID PAWLIUK

CERTIFICATE OF ANALYSIS

A9830733

SAMPLE	PREP CODE	Au ppb FA+AA									
BE2054	244 --	< 5									
BE2055	244 --	< 5									
BE2056	244 --	< 5									
BE2066	244 --	< 5									
BE2067	244 --	< 5									
BE2068	-- --	Not Rcd									
BE2069	244 --	< 5									
BE2070	244 --	< 5									
BE2070A	244 --	< 5									
BE2077	244 --	< 5									
BE2078	244 --	< 5									

CERTIFICATION:

David Terry



Chemex Labs Ltd.

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

To: BOLIDEN - WESTMIN LIMITED

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

INVOICE NUMBER

I 9 8 2 9 7 9 2

BILLING INFORMATION

Date: 10-SEP-98
Project: BEALE
P.O. No.: 6112
Account: GP D

Comments:

Billing: For analysis performed on
Certificate A9829792

Terms: Payment due on receipt of invoice
1.25% per month (15% per annum)
charged on overdue accounts

Please Remit Payments to:

CHEMEX LABS LTD.
212 Brooksbank Ave.,
North Vancouver, B.C.
Canada V7J 2C1

# OF SAMPLES	ANALYSED FOR CODE - DESCRIPTION	UNIT PRICE	SAMPLE PRICE	AMOUNT
249	201 - Dry, sieve to -80 mesh	1.25		
	202 - save reject	0.85		
	ICP-24	10.50		
	983 - Au ppb FA+AA	9.75	22.35	5565.15
				Total Cost \$ 5565.15
				Client Discount (25%) \$ -1391.29
				Net Cost \$ 4173.86
				(Reg# R100938885) GST \$ 292.17
				TOTAL PAYABLE (CDN) \$ 4466.03

COPY



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: BOLIDEN - WESTMIN LIMITED
 ATTN: DAVID TERRY
 P.O. BOX 49066, STE. 904 - 1055 DUNSMUIR ST.
 VANCOUVER, BC
 V7X 1C4

A9829792

Comments: ATTN: DAVID TERRY CC: DAVID PAWLIUK

CERTIFICATE **A9829792**

(GP D) - BOLIDEN - WESTMIN LIMITED

Project: BEALE
 P.O. #: 6112

Samples submitted to our lab in Vancouver, BC.
 This report was printed on 10-SEP-1998.

SAMPLE PREPARATION		
CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201	249	Dry, sieve to -80 mesh
202	249	save reject
285	249	ICP - HF digestion charge

ANALYTICAL PROCEDURES						
CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT	
983	249	Au ppb: Fuse 30 g sample	FA-AAS	5	10000	
578	249	Ag ppm: 24 element, rock & core	AAS	0.2	100.0	
573	249	Al %: 24 element, rock & core	ICP-AES	0.01	25.0	
565	249	Ba ppm: 24 element, rock & core	ICP-AES	10	10000	
575	249	Be ppm: 24 element, rock & core	ICP-AES	0.5	1000	
561	249	Bi ppm: 24 element, rock & core	ICP-AES	2	10000	
576	249	Ca %: 24 element, rock & core	ICP-AES	0.01	25.0	
562	249	Cd ppm: 24 element, rock & core	ICP-AES	0.5	500	
563	249	Co ppm: 24 element, rock & core	ICP-AES	1	10000	
569	249	Cr ppm: 24 element, rock & core	ICP-AES	1	10000	
577	249	Cu ppm: 24 element, rock & core	ICP-AES	1	10000	
566	249	Fe %: 24 element, rock & core	ICP-AES	0.01	25.0	
584	249	K %: 24 element, rock & core	ICP-AES	0.01	10.00	
570	249	Mg %: 24 element, rock & core	ICP-AES	0.01	15.00	
568	249	Mn ppm: 24 element, rock & core	ICP-AES	5	10000	
554	249	Mo ppm: 24 element, rock & core	ICP-AES	1	10000	
583	249	Na %: 24 element, rock & core	ICP-AES	0.01	10.00	
564	249	Ni ppm: 24 element, rock & core	ICP-AES	1	10000	
559	249	P ppm: 24 element, rock & core	ICP-AES	10	10000	
560	249	Pb ppm: 24 element, rock & core	AAS	2	10000	
582	249	Sr ppm: 24 element, rock & core	ICP-AES	1	10000	
579	249	Ti %: 24 element, rock & core	ICP-AES	0.01	10.00	
572	249	V ppm: 24 element, rock & core	ICP-AES	1	10000	
556	249	W ppm: 24 element, rock & core	ICP-AES	10	10000	
558	249	Zn ppm: 24 element, rock & core	ICP-AES	2	10000	



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Page No. : 1-A
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Certificate Date: 10-SEP-1998
Invoice No. : 19829792
P.O. Number : 6112
Account : GP D

Project : BEALE
Comments: ATTN: DAVID TERRY CC: DAVID PAWLIUK

CERTIFICATE OF ANALYSIS A9829792

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)
2750E 4450N	201 202	< 5	0.4	6.68	630	1.0	6	2.63	4.0	40	462	122	6.22	0.72	5.31
2750E 4500N	201 202	< 5	0.6	6.84	620	1.5	< 2	2.23	2.5	35	263	111	5.34	0.95	3.21
2750E 4550N	201 202	< 5	< 0.2	5.78	440	0.5	6	2.92	0.5	24	197	43	5.25	0.73	2.64
2750E 4650N	201 202	< 5	0.2	5.41	530	0.5	8	2.28	0.5	40	886	37	5.87	0.70	5.41
2750E 4700N	201 202	< 5	0.2	5.02	640	0.5	6	2.16	2.0	75	858	66	5.58	0.71	8.25
2750E 4900N	201 202	< 5	0.2	6.69	670	1.5	< 2	1.56	1.5	26	250	19	5.82	1.62	1.74
2750E 4950N	201 202	< 5	0.6	7.58	410	2.0	8	1.44	1.5	25	182	51	5.79	1.50	1.56
4400N 2750E	201 202	< 5	1.4	6.87	680	1.5	16	2.51	4.0	45	500	130	6.35	0.86	5.39
4400N 2800E	201 202	< 5	0.4	6.77	640	1.0	16	2.54	2.5	39	469	141	6.00	0.76	5.31
4400N 2850E	201 202	< 5	0.6	6.78	520	1.0	< 2	2.70	1.5	45	444	191	5.88	0.80	4.97
4400N 2900E	201 202	< 5	0.6	6.03	460	0.5	10	2.46	0.5	33	413	104	5.46	0.65	4.54
4400N 2950E	201 202	< 5	0.8	6.17	490	1.0	2	2.67	1.0	44	438	113	5.43	0.72	5.01
4400N 3000E	201 202	< 5	0.4	6.05	520	0.5	6	2.40	0.5	30	268	82	5.56	0.74	3.08
4400N 3050E	201 202	< 5	0.2	6.56	640	1.0	< 2	2.51	1.0	44	318	121	5.64	0.83	3.85
4400N 3100E	201 202	< 5	2.0	5.91	630	1.0	10	2.45	3.5	51	270	138	5.11	0.82	3.22
4400N 3150E	201 202	< 5	0.6	6.49	600	1.0	10	2.56	1.5	44	327	143	5.68	0.81	3.86
4400N 3200E	201 202	< 5	0.6	5.85	520	0.5	6	2.20	0.5	29	281	80	5.51	0.77	2.90
4400N 3250E	201 202	< 5	0.4	6.16	540	1.0	8	2.33	2.5	33	253	52	5.98	1.04	2.77
4400N 3300E	201 202	< 5	0.2	6.00	610	1.0	10	2.39	1.5	35	242	68	5.35	0.97	2.75
4400N 3350E	201 202	< 5	0.6	6.68	690	1.5	< 2	1.88	4.5	39	189	135	5.65	0.98	2.38
4400N 3400E	201 202	100	0.8	6.95	680	1.5	10	2.26	1.5	39	278	152	5.64	1.01	3.41
4400N 3450E	201 202	< 5	1.0	6.56	570	1.5	10	1.96	9.5	40	165	226	5.35	0.91	2.10
4400N 4200E	201 202	< 5	0.4	6.65	320	0.5	16	4.19	0.5	55	449	209	5.53	0.62	5.90
4400N 4300E	201 202	< 5	0.6	6.39	490	0.5	12	4.26	1.5	67	468	185	6.66	0.70	6.17
4400N 4350E	201 202	< 5	0.6	6.08	420	1.0	6	2.77	0.5	63	489	138	4.89	0.82	6.72
4400N 4400E	201 202	< 5	1.0	7.29	650	1.5	18	2.02	1.5	60	315	219	5.48	1.04	4.82
4400N 4450E	201 202	< 5	0.2	7.80	510	2.0	6	2.79	1.0	66	474	160	6.40	0.97	4.91
4400N 4500E	201 202	< 5	0.4	8.14	580	3.5	< 2	1.79	0.5	42	161	191	5.76	1.58	2.33
4400N 4550E	201 202	< 5	< 0.2	7.74	390	1.5	< 2	3.20	< 0.5	38	299	35	5.46	0.89	3.93
4400N 4600E	201 202	< 5	0.2	7.91	440	2.0	10	2.46	< 0.5	37	230	100	5.03	0.97	3.41
4400N 4650E	201 202	< 5	< 0.2	6.92	400	2.0	8	2.53	0.5	40	274	98	5.04	1.10	3.76
4400N 4700E	201 202	< 5	< 0.2	8.13	450	3.0	2	1.44	< 0.5	47	305	101	5.62	1.28	3.90
4400N 4750E	201 202	< 5	< 0.2	5.97	300	1.5	6	2.23	< 0.5	58	739	54	4.79	0.75	8.19
4400N 4800E	201 202	< 5	< 0.2	8.58	310	4.5	< 2	1.18	< 0.5	25	111	27	5.74	2.03	1.28
4400N 4850E	201 202	< 5	0.2	6.93	350	2.5	8	0.76	< 0.5	8	78	8	5.30	2.03	0.54
4400N 4900E	201 202	< 5	0.2	6.87	440	2.0	2	2.12	0.5	28	247	45	4.63	0.93	2.82
4400N 4950E	201 202	< 5	0.2	6.45	300	2.0	< 2	0.74	< 0.5	9	87	12	6.70	1.62	0.59
4400N 5000E	201 202	< 5	0.2	6.52	450	2.0	< 2	1.96	0.5	24	196	37	4.82	1.09	2.25
4400N 5050E	201 202	< 5	0.2	7.59	320	2.5	< 2	1.07	< 0.5	15	134	13	7.50	1.79	0.78
4400N 5100E	201 202	< 5	< 0.2	5.90	240	0.5	8	2.73	< 0.5	33	221	36	4.88	0.44	2.80

CERTIFICATION:

David Terry



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
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 P.O. Number : 6112
 Account : GP D

Project : BEALE
 Comments: ATTN: DAVID TERRY CC: DAVID PAWLIUK

CERTIFICATE OF ANALYSIS A9829792

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)			
2750E 4450N	201 202	2410	3	1.12	350	1020	796	158	0.55	193	< 10	908			
2750E 4500N	201 202	1625	1	1.29	218	950	670	169	0.51	179	< 10	620			
2750E 4550N	201 202	1235	< 1	1.28	109	560	50	154	0.72	198	< 10	152			
2750E 4650N	201 202	1015	< 1	1.33	386	970	58	143	0.55	175	< 10	174			
2750E 4700N	201 202	1495	< 1	1.08	667	1060	92	134	0.42	150	< 10	194			
2750E 4900N	201 202	1085	< 1	1.93	94	830	52	175	0.72	161	< 10	194			
2750E 4950N	201 202	755	1	1.69	145	1270	90	134	0.66	119	< 10	288			
4400N 2750E	201 202	2670	3	1.13	358	1160	928	165	0.49	195	< 10	944			
4400N 2800E	201 202	2120	1	1.20	362	920	674	159	0.48	183	< 10	796			
4400N 2850E	201 202	2050	< 1	1.43	341	780	660	167	0.46	167	< 10	588			
4400N 2900E	201 202	1450	< 1	1.20	314	1150	286	143	0.49	166	< 10	344			
4400N 2950E	201 202	1705	< 1	1.29	382	870	350	155	0.50	160	< 10	416			
4400N 3000E	201 202	1430	2	1.08	147	1200	180	134	0.64	190	< 10	294			
4400N 3050E	201 202	1610	1	1.20	214	1090	192	146	0.56	191	< 10	356			
4400N 3100E	201 202	2510	5	1.00	196	1300	474	139	0.50	170	< 10	420			
4400N 3150E	201 202	1640	1	1.18	219	1050	196	145	0.57	195	< 10	350			
4400N 3200E	201 202	1890	< 1	1.11	141	2110	136	124	0.62	199	< 10	186			
4400N 3250E	201 202	1530	< 1	1.42	134	660	92	144	0.70	186	< 10	268			
4400N 3300E	201 202	2010	< 1	1.32	135	1130	106	148	0.65	171	< 10	272			
4400N 3350E	201 202	1770	< 1	1.23	133	980	126	141	0.68	170	< 10	394			
4400N 3400E	201 202	1535	< 1	1.32	204	990	226	162	0.64	177	< 10	362			
4400N 3450E	201 202	2240	4	0.90	148	1020	246	138	0.48	138	< 10	836			
4400N 4200E	201 202	1335	< 1	1.27	484	730	60	178	0.52	197	< 10	168			
4400N 4300E	201 202	1755	< 1	0.92	357	1170	150	153	0.57	267	< 10	326			
4400N 4350E	201 202	1120	< 1	1.20	816	820	92	164	0.45	157	< 10	190			
4400N 4400E	201 202	1560	< 1	1.03	488	1060	432	153	0.47	162	< 10	554			
4400N 4450E	201 202	1760	< 1	1.22	355	700	140	172	0.51	174	< 10	326			
4400N 4500E	201 202	1705	< 1	1.73	160	1280	90	176	0.54	146	< 10	230			
4400N 4550E	201 202	1950	< 1	0.74	184	690	32	122	0.58	174	< 10	108			
4400N 4600E	201 202	1080	< 1	1.28	218	1040	50	187	0.54	155	< 10	142			
4400N 4650E	201 202	1170	< 1	1.55	381	1050	32	209	0.56	129	< 10	132			
4400N 4700E	201 202	1355	< 1	1.40	575	990	60	138	0.46	129	< 10	190			
4400N 4750E	201 202	1290	< 1	1.34	946	570	32	131	0.36	108	< 10	114			
4400N 4800E	201 202	1160	1	2.27	204	1080	16	104	0.55	73	< 10	134			
4400N 4850E	201 202	845	4	2.33	21	1410	28	101	0.55	88	< 10	72			
4400N 4900E	201 202	1120	< 1	1.37	172	1380	30	177	0.45	129	< 10	128			
4400N 4950E	201 202	610	5	1.86	23	1350	34	97	0.58	99	< 10	70			
4400N 5000E	201 202	920	1	1.56	143	1080	28	188	0.57	138	< 10	122			
4400N 5050E	201 202	610	1	2.01	40	830	18	110	0.79	117	< 10	104			
4400N 5100E	201 202	1390	< 1	1.19	144	870	20	139	0.70	172	< 10	106			

CERTIFICATION

David Terry



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CERTIFICATE OF ANALYSIS A9829792

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)
4400N 5150E	201 202	< 5	0.4	7.12	460	2.0	6	2.74	1.5	65	469	181	6.01	0.90	5.09
4400N 5200E	201 202	< 5	0.2	5.81	280	1.0	2	2.50	< 0.5	27	266	31	4.89	0.63	2.78
4600N 2750E	201 202	< 5	< 0.2	5.60	590	0.5	14	2.15	0.5	50	769	69	5.79	0.74	6.67
4600N 2800E	201 202	< 5	0.4	7.57	560	2.0	2	1.36	0.5	18	121	34	5.49	1.78	1.20
4600N 2850E	201 202	< 5	0.2	6.31	550	1.0	2	2.56	0.5	31	341	79	5.26	0.82	3.77
4600N 2950E	201 202	< 5	< 0.2	5.62	580	0.5	2	2.81	1.0	39	634	45	5.53	0.77	4.83
4600N 3000E	201 202	< 5	0.6	6.44	570	1.0	14	3.08	3.0	45	415	147	5.96	0.82	4.75
4600N 3050E	201 202	< 5	0.6	6.67	620	1.0	< 2	2.90	3.5	48	418	177	5.94	0.87	4.82
4600N 3100E	201 202	< 5	1.0	6.46	590	1.0	12	2.73	4.0	45	414	167	5.77	0.80	4.78
4600N 3150E	201 202	< 5	0.4	6.46	600	0.5	12	3.44	1.5	52	313	113	6.00	0.80	4.49
4600N 3200E	201 202	< 5	0.4	6.50	590	1.0	12	3.37	2.0	44	461	126	6.00	0.74	5.24
4600N 3250E	201 202	< 5	0.2	5.32	420	1.0	2	1.81	1.5	23	216	62	4.88	0.72	2.30
4600N 3300E	201 202	< 5	1.0	6.69	590	1.5	12	2.37	2.5	40	299	151	6.36	0.93	3.22
4600N 3350E	201 202	< 5	0.8	6.47	800	1.0	8	2.98	2.5	39	274	197	6.22	0.94	3.57
4600N 3400E	201 202	5	0.2	6.49	970	1.5	6	2.47	2.0	37	252	125	5.41	1.13	3.15
4600N 3450E	201 202	< 5	0.2	5.62	430	1.0	8	1.99	1.5	48	144	166	5.56	0.83	2.10
4600N 4500E	201 202	< 5	0.2	6.73	320	< 0.5	4	1.08	< 0.5	16	305	134	9.32	1.01	4.21
4600N 4550E	201 202	< 5	0.2	5.89	520	1.5	4	2.05	1.5	55	373	153	5.58	0.82	4.26
4600N 4600E	201 202	< 5	0.2	6.44	480	1.0	2	2.58	0.5	53	464	144	5.98	0.80	4.98
4600N 4700E	201 202	20	< 0.2	6.29	510	1.5	4	2.30	< 0.5	51	445	136	5.51	0.79	5.17
4600N 4750E	201 202	< 5	0.2	8.13	1120	1.5	< 2	1.38	0.5	27	271	11	3.66	0.86	3.70
4600N 4800E	201 202	< 5	0.2	5.33	470	1.0	8	1.91	< 0.5	19	190	32	4.22	0.77	2.27
4600N 4850E	201 202	< 5	0.4	5.25	600	1.0	6	1.27	0.5	12	118	33	2.66	1.02	1.13
4600N 4900E	201 202	10	0.4	6.92	570	2.5	14	0.86	1.0	32	190	159	5.23	1.01	2.02
4600N 4950E	201 202	< 5	0.6	7.47	600	3.0	< 2	1.57	1.5	29	173	91	4.72	1.27	1.75
4600N 5050E	201 202	< 5	0.8	7.00	450	3.0	2	0.97	< 0.5	13	113	41	4.64	1.58	1.00
4600N 5100E	201 202	< 5	0.6	6.03	550	2.0	< 2	1.63	0.5	20	154	32	4.65	1.21	1.66
4600N 5150E	201 202	< 5	0.8	6.37	460	2.5	6	1.27	1.0	27	181	138	4.80	0.89	1.57
4800N 2750E	201 202	< 5	0.4	6.33	570	1.5	12	1.38	2.0	17	151	14	5.23	1.73	1.06
4800N 2800E	201 202	< 5	0.6	7.07	590	1.5	2	1.65	0.5	19	183	25	5.06	1.38	1.59
4800N 2850E	201 202	< 5	0.2	5.80	600	0.5	10	2.63	2.0	56	751	106	5.74	0.80	6.88
4800N 2900E	201 202	< 5	0.6	6.03	440	1.5	< 2	1.68	0.5	18	195	22	6.49	1.30	1.63
4800N 2950E	201 202	< 5	0.6	8.71	340	3.0	8	1.25	0.5	17	152	52	6.02	1.61	1.10
4800N 3000E	201 202	< 5	0.2	6.80	470	1.0	20	2.34	3.5	37	307	119	5.28	0.93	3.83
4800N 3050E	201 202	5	0.2	6.61	490	1.0	12	2.34	0.5	35	308	119	5.06	0.88	3.79
4800N 3100E	201 202	< 5	1.0	6.21	510	1.5	8	2.12	2.0	27	225	94	4.93	0.98	2.50
4800N 3150E	201 202	< 5	0.4	7.11	560	1.5	< 2	2.40	1.5	37	313	113	5.53	1.12	3.59
4800N 3200E	201 202	< 5	0.2	4.71	360	0.5	< 2	2.31	0.5	26	204	44	3.93	0.74	2.39
4800N 3250E	201 202	< 5	< 0.2	6.11	590	1.5	10	2.22	1.5	54	682	67	5.47	1.10	5.76
4800N 3300E	201 202	< 5	0.6	7.35	610	1.5	2	1.80	2.0	34	245	147	4.92	1.14	2.95

CERTIFICATION: *David Terry*



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: BOLIDEN - WESTMIN LIMITED
 ATTN: DAVID TERRY
 P.O. BOX 49066, STE. 904 - 1055 DUNSMUIR ST.
 VANCOUVER, BC
 V7X 1C4

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 P.O. Number : 6112
 Account : GP D

Project : BEALE
 Comments : ATTN: DAVID TERRY CC: DAVID PAWLIUK

CERTIFICATE OF ANALYSIS A9829792

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)			
4400N 5150E	201 202	1495	< 1	1.27	512	980	176	170	0.48	163	< 10	380			
4400N 5200E	201 202	1205	< 1	1.35	167	780	36	136	0.68	159	< 10	116			
4600N 2750E	201 202	1200	< 1	1.25	525	1050	122	134	0.46	162	< 10	232			
4600N 2800E	201 202	805	2	2.08	50	1200	48	170	0.65	116	< 10	160			
4600N 2850E	201 202	1120	< 1	1.40	220	920	104	154	0.55	165	< 10	232			
4600N 2950E	201 202	1230	< 1	1.44	301	670	94	180	0.56	168	< 10	218			
4600N 3000E	201 202	1975	< 1	1.42	320	870	620	181	0.60	179	< 10	582			
4600N 3050E	201 202	2100	< 1	1.38	332	970	844	177	0.57	180	< 10	708			
4600N 3100E	201 202	2050	< 1	1.29	335	1080	834	165	0.52	169	< 10	716			
4600N 3150E	201 202	1760	< 1	1.40	410	950	166	185	0.75	196	< 10	252			
4600N 3200E	201 202	2170	< 1	1.32	310	770	414	153	0.62	182	< 10	472			
4600N 3250E	201 202	1285	1	0.97	121	1500	280	99	0.53	136	< 10	278			
4600N 3300E	201 202	2860	2	1.20	184	1260	1470	147	0.61	164	< 10	1075			
4600N 3350E	201 202	2360	< 1	1.36	181	890	876	161	0.68	193	< 10	1275			
4600N 3400E	201 202	1690	< 1	1.27	143	940	422	159	0.64	171	< 10	628			
4600N 3450E	201 202	1345	1	1.08	105	1350	142	129	0.59	172	< 10	364			
4600N 4500E	201 202	850	< 1	1.41	126	1070	68	87	0.30	211	< 10	98			
4600N 4550E	201 202	1495	< 1	1.03	408	1230	156	124	0.43	190	< 10	284			
4600N 4600E	201 202	1440	< 1	1.24	397	1120	68	122	0.52	187	< 10	206			
4600N 4700E	201 202	1300	< 1	1.21	438	860	38	120	0.46	164	< 10	138			
4600N 4750E	201 202	400	< 1	2.85	146	1180	24	427	0.54	123	< 10	66			
4600N 4800E	201 202	865	1	1.06	83	1050	34	123	0.57	163	< 10	72			
4600N 4850E	201 202	565	2	1.25	47	1410	50	173	0.42	95	< 10	58			
4600N 4900E	201 202	1170	2	1.05	124	1680	108	88	0.43	153	10	230			
4600N 4950E	201 202	1740	9	1.40	113	1570	54	133	0.50	143	< 10	220			
4600N 5050E	201 202	640	6	1.75	56	2060	42	109	0.48	95	< 10	122			
4600N 5100E	201 202	935	3	1.42	66	1240	34	133	0.66	133	< 10	128			
4600N 5150E	201 202	1590	5	0.98	135	2360	48	97	0.47	139	10	148			
4800N 2750E	201 202	930	1	1.97	51	1180	38	168	0.74	136	< 10	146			
4800N 2800E	201 202	770	< 1	1.75	97	950	58	180	0.62	132	< 10	160			
4800N 2850E	201 202	1410	< 1	1.36	578	1020	144	155	0.47	158	< 10	236			
4800N 2900E	201 202	910	1	1.65	76	1500	90	147	0.63	140	< 10	134			
4800N 2950E	201 202	725	2	2.06	80	1270	114	132	0.63	98	< 10	176			
4800N 3000E	201 202	1185	< 1	1.61	202	810	134	156	0.46	153	< 10	260			
4800N 3050E	201 202	1200	< 1	1.57	206	880	176	164	0.45	148	< 10	276			
4800N 3100E	201 202	1105	1	1.36	141	1340	244	165	0.53	136	< 10	344			
4800N 3150E	201 202	1355	< 1	1.60	219	1140	150	154	0.55	154	< 10	270			
4800N 3200E	201 202	1030	< 1	1.25	103	650	56	144	0.44	124	< 10	132			
4800N 3250E	201 202	1445	< 1	1.55	546	1420	104	180	0.51	145	< 10	224			
4800N 3300E	201 202	1105	< 1	1.78	279	650	420	234	0.42	133	< 10	576			

CERTIFICATION:

Handwritten signature: H. K. K. K.



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: BOLIDEN - WESTMIN LIMITED
 ATTN: DAVID TERRY
 P.O. BOX 49066, STE. 904 - 1055 DUNSMUIR ST.
 VANCOUVER, BC
 V7X 1C4

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Project : BEALE
 Comments : ATTN: DAVID TERRY CC: DAVID PAWLIUK

CERTIFICATE OF ANALYSIS A9829792

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)
4800N 3350E	201 202	< 5	< 0.2	6.39	590	1.5	4	1.57	3.0	54	371	91	5.22	1.06	3.36
4800N 3400E	201 202	10	2.0	7.39	680	2.0	12	1.73	3.0	37	230	475	5.42	1.28	2.62
4800N 3450E	201 202	< 5	0.6	7.38	590	2.0	22	1.90	1.5	41	277	171	5.29	1.33	3.13
4800N 3500E	201 202	< 5	0.2	7.24	570	0.5	4	2.09	0.5	47	400	124	4.85	0.72	4.87
4800N 4700E	201 202	< 5	2.0	7.66	640	2.0	< 2	2.03	2.5	46	398	268	5.53	1.23	4.25
4800N 4750E	201 202	5	0.2	7.80	550	1.0	14	1.86	0.5	48	345	187	5.19	1.01	4.62
4800N 4800E	201 202	40	0.6	6.53	910	1.5	6	1.01	0.5	35	157	487	6.30	1.03	2.29
4800N 4850E	201 202	< 5	0.8	6.88	1050	2.5	8	1.19	2.0	56	128	479	5.98	1.14	2.21
4800N 4900E	201 202	30	1.0	6.86	1120	2.5	12	1.08	1.5	35	115	353	4.99	1.21	1.74
4800N 4950E	201 202	5	0.8	5.34	1610	2.0	< 2	0.53	1.0	20	78	127	4.18	1.21	0.94
4800N 5050E	201 202	< 5	< 0.2	5.30	1030	2.0	4	0.53	0.5	14	72	102	3.35	0.89	1.03
4800N 5100E	201 202	10	0.6	4.85	1330	2.0	6	0.52	1.0	24	72	111	3.87	1.03	0.85
4800N 5150E	201 202	< 5	0.2	3.21	940	0.5	< 2	0.77	< 0.5	7	62	20	1.64	0.79	0.61
4800N 5200E	201 202	< 5	0.2	5.49	880	2.0	< 2	1.04	0.5	17	110	64	4.22	1.12	1.27
5000N 3450E	201 202	< 5	0.2	7.35	500	1.5	14	3.42	1.0	46	272	158	6.32	0.95	3.90
5000N 3500E	201 202	< 5	< 0.2	6.52	710	1.5	2	2.30	1.5	49	400	73	5.72	1.11	4.25
5000N 3550E	201 202	< 5	< 0.2	5.24	730	1.0	4	1.91	0.5	54	592	70	5.28	0.89	5.99
5000N 3600E	201 202	< 5	0.2	5.67	520	1.0	2	2.37	0.5	52	416	71	5.23	0.87	4.41
5000N 4100E	201 202	< 5	0.2	6.67	570	1.5	8	2.66	0.5	63	591	185	5.99	0.87	6.31
5000N 4150E	201 202	< 5	< 0.2	7.21	520	1.5	10	3.05	0.5	62	460	321	6.60	0.80	5.28
5000N 4200E	201 202	5	0.4	6.86	490	1.0	4	2.62	1.0	67	528	477	6.11	0.78	5.78
5000N 4250E	201 202	< 5	1.2	5.62	360	1.0	12	3.29	6.5	93	975	180	6.60	0.64	9.15
5000N 4300E	201 202	< 10	0.2	2.95	160	0.5	10	1.84	1.5	137	979	91	5.26	0.39	14.90
5000N 4350E	201 202	< 5	0.2	5.50	200	0.5	4	3.07	0.5	71	971	94	5.68	0.57	9.43
5000N 4400E	201 202	< 5	< 0.2	6.87	470	1.5	12	2.25	0.5	70	422	171	5.25	1.11	3.94
5000N 4450E	201 202	< 5	< 0.2	6.25	750	1.5	< 2	2.33	0.5	33	249	118	4.38	1.08	2.91
5000N 4500E	201 202	10	< 0.2	5.32	750	2.0	6	2.07	0.5	25	203	55	4.04	1.05	2.38
5000N 4550E	201 202	10	< 0.2	6.79	820	2.0	< 2	1.73	0.5	26	154	85	4.44	1.30	1.98
5000N 4600E	201 202	10	0.2	5.54	810	2.0	10	1.58	0.5	25	158	81	4.07	1.00	1.99
5000N 4650E	201 202	< 5	0.4	6.69	790	2.5	6	1.70	< 0.5	24	156	60	4.61	1.33	1.96
5000N 4700E	201 202	< 5	< 0.2	6.85	530	3.0	8	1.27	< 0.5	18	103	27	4.74	1.72	1.34
5000N 4750E	201 202	25	< 0.2	6.46	800	1.5	12	1.54	< 0.5	24	150	64	4.59	1.25	1.79
5000N 4800E	201 202	15	< 0.2	7.32	800	2.0	6	1.56	< 0.5	28	167	101	4.97	1.34	2.14
5000N 4850E	201 202	10	0.6	7.37	1070	2.5	< 2	1.63	0.5	36	198	191	5.22	1.30	2.53
5000E 4450N	201 202	< 5	0.2	6.64	420	2.0	4	2.11	1.5	59	455	144	5.78	0.79	4.57
5000E 4500N	201 202	< 5	0.2	4.60	390	0.5	8	2.72	0.5	33	159	45	5.79	0.67	2.39
5000E 4550N	201 202	10	0.2	5.99	430	1.5	8	1.17	< 0.5	31	407	114	4.94	0.58	4.09
5000E 4600N	201 202	< 5	< 0.2	6.03	440	1.5	10	1.52	< 0.5	26	207	101	5.27	0.77	2.11
5000E 4650N	201 202	5	1.0	8.32	510	4.5	4	0.92	0.5	24	150	206	5.75	1.67	1.40
5000E 4700N	201 202	5	0.4	5.90	1620	7.0	2	0.79	0.5	32	106	323	4.78	1.12	1.32

CERTIFICATION: *Hart Kichler* *



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: BOLIDEN - WESTMIN LIMITED
 ATTN: DAVID TERRY
 P.O. BOX 49066, STE. 904 - 1055 DUNSMUIR ST.
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CERTIFICATE OF ANALYSIS A9829792

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)			
4800N 3350E	201 202	1345	< 1	1.25	293	1120	262	155	0.44	145	< 10	428			
4800N 3400E	201 202	1865	< 1	1.54	212	1340	1020	190	0.46	139	< 10	752			
4800N 3450E	201 202	1595	< 1	1.61	248	1070	330	200	0.50	154	< 10	480			
4800N 3500E	201 202	1200	< 1	1.74	417	530	244	206	0.40	167	< 10	300			
4800N 4700E	201 202	1480	< 1	1.47	476	1150	524	204	0.52	159	< 10	642			
4800N 4750E	201 202	1075	< 1	1.89	322	590	136	196	0.43	164	< 10	180			
4800N 4800E	201 202	880	8	1.07	106	1370	88	99	0.43	179	< 10	210			
4800N 4850E	201 202	1740	4	1.22	118	900	424	125	0.60	174	< 10	636			
4800N 4900E	201 202	1915	4	1.46	75	920	418	134	0.43	160	< 10	406			
4800N 4950E	201 202	2040	< 1	1.01	41	1020	106	88	0.42	141	< 10	176			
4800N 5050E	201 202	1325	< 1	0.96	40	620	40	87	0.36	140	< 10	96			
4800N 5100E	201 202	2120	< 1	0.97	40	1860	56	92	0.37	137	< 10	136			
4800N 5150E	201 202	1040	< 1	0.87	22	850	18	91	0.36	84	< 10	38			
4800N 5200E	201 202	1350	< 1	1.19	52	1500	32	133	0.45	122	< 10	106			
5000N 3450E	201 202	1600	< 1	1.73	167	800	86	307	0.81	209	< 10	200			
5000N 3500E	201 202	1660	< 1	1.44	313	1040	156	208	0.66	161	< 10	238			
5000N 3550E	201 202	1490	< 1	1.01	696	1530	66	151	0.43	128	< 10	130			
5000N 3600E	201 202	1470	< 1	1.26	370	1450	102	205	0.52	142	< 10	136			
5000N 4100E	201 202	1335	< 1	1.13	551	1000	70	155	0.51	196	< 10	210			
5000N 4150E	201 202	1220	< 1	1.20	394	920	42	150	0.55	218	< 10	232			
5000N 4200E	201 202	1210	< 1	1.10	458	830	58	128	0.46	194	< 10	318			
5000N 4250E	201 202	1935	< 1	0.78	1005	1010	354	141	0.55	165	< 10	1105			
5000N 4300E	201 202	1835	< 1	0.69	2110	410	134	63	0.19	72	< 10	224			
5000N 4350E	201 202	1445	< 1	0.96	978	830	72	88	0.41	129	< 10	156			
5000N 4400E	201 202	1330	< 1	1.48	603	1320	64	148	0.53	141	< 10	182			
5000N 4450E	201 202	1155	< 1	1.55	174	860	34	178	0.51	137	< 10	124			
5000N 4500E	201 202	1250	< 1	1.47	128	730	22	159	0.55	131	< 10	96			
5000N 4550E	201 202	920	< 1	1.80	153	890	38	225	0.57	135	< 10	126			
5000N 4600E	201 202	1350	< 1	1.19	113	730	34	122	0.49	130	< 10	122			
5000N 4650E	201 202	1170	< 1	1.69	106	920	36	163	0.56	131	< 10	116			
5000N 4700E	201 202	1125	1	2.11	66	1110	28	147	0.48	94	< 10	120			
5000N 4750E	201 202	1270	< 1	1.56	86	1120	34	135	0.55	139	< 10	116			
5000N 4800E	201 202	1245	< 1	1.68	119	1560	42	148	0.50	141	< 10	150			
5000N 4850E	201 202	1535	< 1	1.47	180	1090	108	162	0.51	163	< 10	262			
5000E 4450N	201 202	1405	< 1	1.16	488	1010	144	131	0.42	150	< 10	364			
5000E 4500N	201 202	5020	2	1.05	63	2180	28	112	0.89	273	< 10	112			
5000E 4550N	201 202	965	< 1	0.41	318	690	28	54	0.48	124	< 10	88			
5000E 4600N	201 202	885	1	0.92	111	970	22	97	0.63	144	< 10	86			
5000E 4650N	201 202	1085	5	1.76	98	1430	52	94	0.52	135	< 10	160			
5000E 4700N	201 202	2270	2	0.77	71	840	90	88	0.41	166	10	212			

CERTIFICATION: *Hank Fischer*



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
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 British Columbia, Canada V7J 2C1
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CERTIFICATE OF ANALYSIS A9829792

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)
5000E 4750N	201 202	< 5	< 0.2	5.34	770	1.5	2	1.44	0.5	17	96	57	3.34	1.01	1.37
5000E 4800N	201 202	< 5	< 0.2	5.46	1330	2.5	8	0.58	1.5	20	76	128	4.55	1.21	0.92
5000E 4850N	201 202	< 5	< 0.2	5.96	1390	3.0	8	0.69	1.5	32	75	167	3.63	1.22	1.35
5000E 4900N	201 202	210	< 0.2	5.42	1520	2.0	4	0.71	0.5	22	83	119	4.33	1.20	0.98
5000E 4950N	201 202	20	< 0.2	5.86	1120	2.5	8	1.22	0.5	34	94	553	4.28	1.10	1.39
5200N 3400E	201 202	< 5	< 0.2	6.78	460	1.5	8	2.92	0.5	57	188	331	5.93	1.02	2.60
5200N 3450E	201 202	< 5	< 0.2	6.47	510	1.0	8	2.61	< 0.5	55	186	243	6.23	1.00	2.73
5200N 3500E	201 202	< 5	0.8	3.88	510	0.5	6	1.40	5.0	98	1055	128	5.80	0.54	7.45
5200N 3550E	201 202	< 10	< 0.2	2.96	670	0.5	8	1.10	1.0	95	1335	57	4.95	0.53	13.50
5200N 3600E	201 202	< 5	< 0.2	3.73	570	0.5	12	1.30	0.5	83	1105	37	4.66	0.69	13.65
5200N 3650E	201 202	< 5	< 0.2	3.70	410	0.5	4	1.26	< 0.5	76	1065	29	4.59	0.77	13.95
5200N 3700E	201 202	5	< 0.2	3.42	380	0.5	14	1.23	< 0.5	82	1115	20	4.66	0.66	13.80
5200N 3750E	201 202	< 5	0.8	4.89	850	0.5	6	1.28	3.0	88	1060	77	6.76	0.79	11.50
5200N 3900E	201 202	< 5	0.8	3.89	580	0.5	8	1.27	11.0	121	1295	209	6.19	0.49	11.40
5200N 3950E	201 202	< 5	0.6	3.75	590	0.5	8	1.27	10.5	112	1345	162	6.14	0.49	12.00
5200N 4150E	201 202	< 5	0.6	6.09	530	1.5	6	1.90	6.0	73	451	223	6.33	0.72	5.85
5200N 4200E	201 202	< 5	< 0.2	6.79	580	1.5	4	2.78	1.0	62	406	276	6.07	0.95	4.66
5200N 4300E	201 202	< 5	< 0.2	6.42	510	1.5	10	2.05	0.5	41	283	121	4.99	1.11	3.34
5200N 4350E	201 202	< 5	< 0.2	6.80	460	2.0	12	2.42	0.5	37	310	117	5.39	1.23	3.48
5400N 3050E	201 202	< 5	< 0.2	6.13	450	2.0	< 2	1.10	1.5	41	108	68	5.03	1.54	0.91
5400N 3100E	201 202	< 5	< 0.2	5.72	740	1.5	2	1.17	0.5	45	434	51	4.39	1.05	3.80
5400N 3150E	201 202	< 5	< 0.2	4.60	1010	1.0	4	1.16	2.0	45	332	65	4.71	0.86	2.97
5400N 3200E	201 202	< 5	< 0.2	5.79	680	1.5	2	1.64	0.5	54	633	82	5.57	0.92	6.40
5400N 3250E	201 202	< 5	< 0.2	6.33	730	2.0	2	1.67	0.5	41	325	67	5.19	1.20	3.00
5400N 3300E	201 202	< 5	< 0.2	6.65	940	2.0	6	1.71	0.5	47	393	76	5.70	1.31	3.93
5400N 3350E	201 202	< 5	< 0.2	6.59	1670	2.0	6	1.64	1.5	47	308	71	6.22	1.51	3.62
5400N 3400E	201 202	15	< 0.2	2.41	990	0.5	2	0.73	0.5	44	497	52	3.32	0.56	5.53
5400N 3450E	201 202	< 5	< 0.2	4.30	2500	0.5	4	0.89	1.5	44	470	71	4.37	0.85	6.68
5400N 3500E	201 202	< 5	< 0.2	2.29	600	< 0.5	10	0.92	0.5	119	1180	46	4.92	0.42	>15.00
5400N 3850E	201 202	< 5	1.2	3.37	650	0.5	8	1.57	7.5	97	1065	175	6.38	0.42	12.05
5400N 3900E	201 202	10	0.4	3.44	780	0.5	6	1.71	6.0	106	1110	211	6.77	0.44	11.90
5400N 3950E	201 202	5	< 0.2	2.18	310	< 0.5	10	0.99	3.0	121	1210	82	5.33	0.28	>15.00
5400N 4000E	201 202	5	0.2	1.70	310	< 0.5	10	0.67	2.5	121	1230	63	5.41	0.27	>15.00
5400N 4050E	201 202	5	< 0.2	1.88	290	< 0.5	10	0.66	2.5	118	1120	65	5.27	0.32	>15.00
5400N 4150E	201 202	10	0.8	3.58	430	0.5	8	1.54	3.5	98	820	142	5.62	0.67	12.45
5600N 2850E	201 202	10	< 0.2	4.49	560	1.0	< 2	2.62	1.0	28	158	49	4.47	0.80	1.92
5600N 2900E	201 202	< 5	< 0.2	6.22	1300	2.0	4	1.63	1.0	42	225	114	5.47	1.36	2.15
5600N 2950E	201 202	< 5	< 0.2	6.13	1140	1.5	< 2	0.95	2.0	40	164	84	4.72	1.62	1.23
5600N 3000E	201 202	< 5	< 0.2	5.09	1100	1.5	< 2	1.29	1.0	48	264	69	4.64	1.16	2.32
5600N 3050E	201 202	< 5	0.2	5.93	750	1.5	12	1.96	1.0	62	318	148	5.86	0.91	2.78

CERTIFICATION: *Hartfelder*



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
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 PHONE: 604-984-0221 FAX: 604-984-0218

To: BOLIDEN - WESTMIN LIMITED
 ATTN: DAVID TERRY
 P.O. BOX 49066, STE. 904 - 1055 DUNSMUIR ST.
 VANCOUVER, BC
 V7X 1C4

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 P.O. Number : 6112
 Account : GP D

Project : BEALE
 Comments : ATTN: DAVID TERRY CC: DAVID PAWLIUK

CERTIFICATE OF ANALYSIS A9829792

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)			
5000E 4750N	201 202	1190	< 1	1.18	43	1020	38	150	0.48	143	10	98			
5000E 4800N	201 202	1885	< 1	1.15	44	1350	92	97	0.37	143	< 10	158			
5000E 4850N	201 202	1915	< 1	0.99	73	640	176	114	0.31	146	< 10	274			
5000E 4900N	201 202	1760	< 1	1.17	48	1150	64	118	0.39	164	< 10	112			
5000E 4950N	201 202	1565	< 1	1.43	78	1150	40	175	0.45	136	< 10	122			
5200N 3400E	201 202	1205	< 1	1.70	137	1110	40	218	0.60	180	< 10	574			
5200N 3450E	201 202	1105	< 1	1.62	159	690	44	212	0.61	210	< 10	134			
5200N 3500E	201 202	1810	< 1	0.67	1440	1630	604	79	0.29	136	< 10	300			
5200N 3550E	201 202	1260	< 1	0.62	1560	870	32	71	0.19	105	< 10	114			
5200N 3600E	201 202	1270	< 1	1.01	1285	530	30	112	0.27	93	< 10	96			
5200N 3650E	201 202	1150	< 1	1.18	1290	390	22	143	0.27	81	< 10	82			
5200N 3700E	201 202	1185	< 1	1.03	1210	310	16	133	0.24	78	< 10	70			
5200N 3750E	201 202	2460	< 1	0.86	1230	1350	200	132	0.50	175	< 10	444			
5200N 3900E	201 202	2610	< 1	0.50	1640	1140	1255	110	0.23	177	< 10	1300			
5200N 3950E	201 202	2860	< 1	0.51	1635	1090	1275	108	0.23	173	< 10	1135			
5200N 4150E	201 202	2300	< 1	0.93	584	1110	1170	169	0.43	210	< 10	1465			
5200N 4200E	201 202	1330	< 1	1.26	364	910	196	175	0.55	204	< 10	312			
5200N 4300E	201 202	1040	< 1	1.54	447	1120	86	147	0.47	127	< 10	186			
5200N 4350E	201 202	1300	< 1	1.68	317	1070	116	149	0.55	125	< 10	200			
5400N 3050E	201 202	1280	2	1.62	90	2030	52	120	0.53	105	< 10	146			
5400N 3100E	201 202	1735	< 1	1.11	374	1530	66	141	0.35	127	< 10	178			
5400N 3150E	201 202	2130	< 1	0.70	236	2350	62	194	0.33	169	< 10	206			
5400N 3200E	201 202	1560	< 1	1.03	598	1340	64	188	0.43	164	< 10	230			
5400N 3250E	201 202	1320	< 1	1.34	238	1840	32	252	0.53	161	< 10	148			
5400N 3300E	201 202	1245	< 1	1.34	344	1110	26	234	0.53	186	< 10	146			
5400N 3350E	201 202	2060	2	1.41	261	1580	60	755	0.64	246	< 10	256			
5400N 3400E	201 202	895	5	0.58	589	1440	28	108	0.16	111	< 10	88			
5400N 3450E	201 202	735	1	0.75	537	1120	10	97	0.34	150	< 10	138			
5400N 3500E	201 202	1690	< 1	0.65	2210	1020	8	68	0.13	92	< 10	104			
5400N 3850E	201 202	1925	3	0.48	1420	1680	1130	104	0.27	198	< 10	786			
5400N 3900E	201 202	2090	4	0.54	1460	2010	972	108	0.28	226	< 10	814			
5400N 3950E	201 202	1755	< 1	0.42	2060	610	360	60	0.14	92	< 10	452			
5400N 4000E	201 202	1770	< 1	0.37	2120	600	300	55	0.13	87	< 10	364			
5400N 4050E	201 202	1745	< 1	0.48	2100	510	340	51	0.14	77	< 10	368			
5400N 4150E	201 202	1390	< 1	0.88	1405	780	864	110	0.31	124	< 10	596			
5600N 2850E	201 202	1060	< 1	0.95	130	1890	78	195	0.50	98	< 10	162			
5600N 2900E	201 202	2050	1	1.37	168	1780	104	285	0.50	194	10	288			
5600N 2950E	201 202	2020	3	1.09	112	2070	44	149	0.43	187	< 10	208			
5600N 3000E	201 202	1390	1	0.83	211	1780	32	136	0.40	155	< 10	192			
5600N 3050E	201 202	2090	3	1.05	274	2340	28	204	0.47	207	< 10	184			

CERTIFICATION: *Hart Rieker*



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Project : BEALE
 Comments : ATTN: DAVID TERRY CC: DAVID PAWLIUK

CERTIFICATE OF ANALYSIS A9829792

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)
5600N 3100E	201 202	< 5	0.6	6.37	1080	2.0	2	1.57	4.0	64	335	190	5.89	1.23	3.35
5600N 3150E	201 202	< 5	< 0.2	4.79	870	1.5	6	0.88	1.5	38	228	105	4.45	1.01	1.94
5600N 3200E	201 202	< 5	0.2	7.15	860	2.0	4	1.23	1.5	28	181	68	4.24	1.45	1.83
5600N 3250E	201 202	< 5	< 0.2	7.28	790	1.5	< 2	1.74	0.5	48	167	133	4.69	1.42	1.94
5600N 3300E	201 202	< 5	< 0.2	6.83	940	2.0	2	1.68	0.5	39	393	59	5.05	1.55	3.80
5600N 3350E	201 202	< 5	< 0.2	6.35	770	1.5	2	1.89	0.5	61	1060	38	5.24	1.34	6.96
5600N 3400E	201 202	< 5	< 0.2	5.04	630	1.0	< 2	1.49	< 0.5	61	1110	24	4.43	1.09	8.89
5600N 4000E	201 202	< 5	0.6	5.92	570	1.0	12	2.77	3.5	75	446	364	6.53	0.68	4.82
5600N 4050E	201 202	< 5	0.2	5.84	610	1.0	8	2.56	6.0	70	520	291	6.67	0.77	5.46
5600N 4100E	201 202	< 5	0.6	6.71	540	1.5	12	2.48	2.0	63	466	318	6.64	0.90	4.94
5600N 4150E	201 202	< 5	< 0.2	1.94	310	< 0.5	8	0.82	2.0	113	1290	69	5.44	0.25	>15.00
5600N 5250E	201 202	< 5	< 0.2	6.23	960	3.0	18	1.27	0.5	31	125	65	4.69	1.42	1.73
5600N 5300E	201 202	< 5	< 0.2	6.86	1440	2.5	2	1.26	0.5	38	179	84	6.14	1.53	2.08
5600N 5350E	201 202	< 5	< 0.2	6.77	1430	2.5	10	1.02	0.5	33	155	107	5.20	1.55	1.40
5600N 5400E	201 202	< 5	< 0.2	5.36	1510	2.0	2	0.67	0.5	21	133	70	4.25	1.25	0.94
5600N 5450E	201 202	< 5	< 0.2	5.56	1120	2.0	2	1.47	0.5	25	147	82	4.22	1.07	1.58
5600N 5500E	201 202	< 5	< 0.2	8.58	1550	3.5	2	1.56	0.5	31	277	78	4.90	1.47	1.98
5600N 5550E	201 202	< 5	< 0.2	7.06	790	2.0	2	2.54	0.5	31	228	65	4.93	0.98	2.53
5600N 5600E	201 202	< 5	< 0.2	6.55	820	1.5	< 2	2.31	< 0.5	27	178	45	4.89	1.17	2.02
5800N 2750E	201 202	< 5	1.2	7.07	1310	3.0	10	1.86	32.5	52	215	170	5.96	1.40	2.78
5800N 2800E	201 202	< 5	0.4	7.14	1030	2.0	< 2	2.57	3.0	98	285	372	7.02	1.08	2.94
5800N 4050E	201 202	< 5	< 0.2	6.26	570	1.0	8	2.61	2.0	68	301	316	6.51	0.90	3.31
5800N 4100E	201 202	10	1.4	6.56	640	1.5	26	2.01	4.0	95	611	385	8.06	1.13	6.02
5800N 4150E	201 202	< 5	0.6	6.39	600	1.5	12	2.13	2.0	71	606	284	7.22	0.95	6.00
5800N 5250E	201 202	< 5	< 0.2	6.73	1370	2.5	10	2.24	0.5	42	198	231	5.64	1.10	2.41
5800N 5300E	201 202	< 5	< 0.2	8.34	1620	5.5	2	1.74	0.5	48	315	234	5.87	1.33	2.62
5800N 5350E	201 202	< 5	2.8	6.78	2400	5.0	434	1.78	1.5	217	197	109	8.00	1.16	1.90
5800N 5400E	201 202	< 5	< 0.2	5.94	1910	2.5	24	1.73	0.5	45	147	107	5.47	1.37	1.63
5800N 5450E	201 202	< 5	< 0.2	5.99	1630	2.5	24	2.22	0.5	31	120	49	5.28	1.35	1.79
5800N 5500E	201 202	< 5	< 0.2	7.84	1350	1.5	2	2.43	0.5	53	158	73	8.14	1.47	2.86
5800N 5550E	201 202	< 5	< 0.2	8.93	980	2.5	6	1.79	< 0.5	36	78	52	6.71	1.88	1.53
5800N 5600E	201 202	< 5	< 0.2	7.50	990	3.0	6	1.70	< 0.5	29	108	45	5.40	1.53	1.58
6000N 2850E	201 202	< 5	0.6	3.52	1110	1.5	8	1.70	4.5	32	136	58	3.36	0.69	0.89
6000N 2950E	201 202	< 5	1.0	6.97	1590	3.0	< 2	0.93	16.0	81	170	197	6.22	1.52	2.23
6000N 3000E	201 202	< 5	0.2	4.67	570	1.0	< 2	1.53	1.5	20	281	70	4.40	0.85	1.83
6000N 4150E	201 202	< 5	0.4	7.01	310	0.5	8	2.17	0.5	59	390	557	8.18	0.91	4.20
6000N 5250E	201 202	< 5	< 0.2	8.76	500	5.0	10	2.80	< 0.5	40	70	96	7.55	1.42	2.67
6000N 5300E	201 202	< 5	< 0.2	6.64	360	1.5	10	3.22	< 0.5	47	141	80	7.21	0.74	3.55
6000N 5350E	201 202	< 5	< 0.2	6.53	430	1.5	8	3.20	< 0.5	48	135	127	7.69	1.03	3.38
6000N 5400E	201 202	< 5	< 0.2	6.59	490	2.0	10	2.35	< 0.5	27	83	26	5.31	1.07	1.89

CERTIFICATION: *David Terry* *



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CERTIFICATE OF ANALYSIS A9829792

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)			
5600N 3100E	201 202	5160	4	0.95	331	1910	98	175	0.44	221	< 10	380			
5600N 3150E	201 202	3110	2	0.82	166	2760	36	118	0.37	149	< 10	164			
5600N 3200E	201 202	1535	1	1.68	145	1230	248	218	0.44	142	< 10	332			
5600N 3250E	201 202	905	< 1	1.80	163	1250	28	225	0.48	151	< 10	126			
5600N 3300E	201 202	1170	< 1	1.70	432	1190	26	238	0.45	143	< 10	146			
5600N 3350E	201 202	1070	< 1	1.91	890	850	18	274	0.42	128	< 10	98			
5600N 3400E	201 202	940	< 1	1.54	941	460	22	220	0.31	94	< 10	86			
5600N 4000E	201 202	1890	< 1	1.01	440	1420	1010	136	0.44	200	< 10	950			
5600N 4050E	201 202	1925	< 1	1.06	506	1530	870	124	0.48	206	< 10	962			
5600N 4100E	201 202	1680	< 1	1.38	502	1350	596	136	0.58	206	< 10	736			
5600N 4150E	201 202	1505	< 1	0.37	1925	590	252	49	0.15	91	< 10	280			
5600N 5250E	201 202	1290	< 1	1.04	82	1290	50	137	0.69	129	10	124			
5600N 5300E	201 202	1745	< 1	0.96	100	980	26	116	0.92	204	20	110			
5600N 5350E	201 202	1215	2	1.06	97	980	20	128	0.75	159	10	98			
5600N 5400E	201 202	1115	2	0.84	64	1460	20	107	0.51	147	< 10	84			
5600N 5450E	201 202	1125	< 1	1.10	72	670	14	104	0.48	140	< 10	82			
5600N 5500E	201 202	1140	< 1	1.10	126	770	14	103	0.68	206	10	102			
5600N 5550E	201 202	1170	< 1	1.65	89	650	16	138	0.56	170	< 10	104			
5600N 5600E	201 202	1380	< 1	1.72	61	1430	22	133	0.55	162	< 10	114			
5800N 2750E	201 202	8720	2	0.80	180	1500	1805	377	0.49	246	< 10	2990			
5800N 2800E	201 202	2930	4	1.09	360	2270	136	380	0.53	259	< 10	452			
5800N 4050E	201 202	1750	< 1	1.02	223	1750	76	187	0.41	150	10	242			
5800N 4100E	201 202	1995	< 1	0.80	568	1290	322	116	0.54	192	< 10	936			
5800N 4150E	201 202	1740	< 1	0.92	508	1190	256	108	0.54	190	< 10	716			
5800N 5250E	201 202	1765	< 1	1.23	85	840	26	132	0.57	194	10	156			
5800N 5300E	201 202	1585	< 1	0.84	146	630	22	99	0.72	290	10	188			
5800N 5350E	201 202	3680	< 1	0.79	114	1720	268	102	0.66	261	40	162			
5800N 5400E	201 202	1760	< 1	1.40	130	1170	34	139	0.67	166	10	94			
5800N 5450E	201 202	1550	< 1	1.54	71	1440	30	203	0.86	157	10	100			
5800N 5500E	201 202	1870	< 1	1.11	128	1420	18	150	1.55	210	< 10	136			
5800N 5550E	201 202	1790	< 1	2.05	57	3140	16	203	1.20	113	< 10	114			
5800N 5600E	201 202	1320	< 1	1.73	68	2070	18	185	0.86	125	< 10	106			
6000N 2850E	201 202	2660	3	0.47	107	2980	192	215	0.27	152	< 10	288			
6000N 2950E	201 202	>10000	3	0.35	196	1740	1205	186	0.43	225	< 10	1275			
6000N 3000E	201 202	755	1	0.96	143	3520	362	167	0.43	160	< 10	206			
6000N 4150E	201 202	1355	< 1	1.42	228	1020	78	125	0.39	193	30	182			
6000N 5250E	201 202	1335	< 1	1.09	62	5770	12	202	1.42	124	20	116			
6000N 5300E	201 202	1335	< 1	1.57	103	2340	12	296	1.44	163	< 10	98			
6000N 5350E	201 202	1550	< 1	1.66	91	1960	12	348	1.74	173	< 10	104			
6000N 5400E	201 202	1085	< 1	1.62	50	2990	18	306	1.06	118	< 10	82			

CERTIFICATION: *David Terry*



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CERTIFICATE OF ANALYSIS A9829792

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)
6000N 5450E	201 202	< 5	< 0.2	6.99	440	2.0	4	2.69	< 0.5	34	119	32	6.43	0.91	2.55
6000N 5500E	201 202	< 5	< 0.2	9.60	560	2.5	16	4.09	< 0.5	55	161	45	9.93	1.12	3.78
6000N 5550E	201 202	< 5	< 0.2	4.93	1410	3.5	14	1.37	0.5	23	109	42	3.85	1.26	1.54
6000N 5600E	201 202	< 5	0.2	5.87	930	2.5	< 2	2.19	< 0.5	32	130	46	5.30	1.14	2.05
6200N 2950E	201 202	< 5	0.4	5.41	850	0.5	2	1.74	0.5	46	314	131	5.67	0.77	3.20
6200N 4100E	201 202	< 5	1.6	6.97	400	1.0	16	2.79	2.5	97	413	486	7.64	0.77	5.04
6200N 4150E	201 202	< 5	2.6	6.96	350	1.5	32	2.71	3.0	72	403	813	8.41	1.02	5.09
6200N 5250E	201 202	< 5	< 0.2	7.13	360	1.5	12	3.57	< 0.5	51	112	71	7.87	0.98	3.63
6200N 5400E	201 202	< 5	< 0.2	7.78	460	2.0	6	2.71	< 0.5	45	52	42	7.51	1.16	2.81
6200N 5450E	201 202	< 5	< 0.2	7.84	550	2.0	8	2.40	< 0.5	42	54	43	7.24	1.25	2.42
6200N 5500E	201 202	< 5	< 0.2	7.49	510	2.0	< 2	2.40	< 0.5	35	58	33	6.66	1.14	1.96
6200N 5550E	201 202	< 5	< 0.2	7.89	540	2.0	2	2.17	< 0.5	37	51	34	6.66	1.15	2.27
6200N 5600E	201 202	< 5	< 0.2	7.31	700	3.0	4	2.47	< 0.5	37	71	32	7.00	1.29	2.34
6400N 3450E	201 202	< 5	< 0.2	6.67	660	1.5	< 2	3.26	0.5	38	261	138	5.12	0.94	3.44
6400N 3500E	201 202	< 5	0.2	6.43	670	1.5	< 2	2.99	1.0	37	265	128	4.85	1.05	3.19
6400N 3550E	201 202	< 5	0.6	6.34	750	1.5	2	2.81	1.5	38	217	219	5.27	0.91	2.81
6400N 3600E	-- --	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed
6400N 3650E	201 202	< 5	< 0.2	7.30	420	0.5	2	3.28	0.5	63	260	184	4.82	0.85	3.50
6400N 3700E	201 202	< 5	< 0.2	6.38	470	1.0	2	2.70	0.5	39	240	77	4.92	0.88	2.81
6400N 3750E	201 202	< 5	0.2	7.09	560	1.5	6	2.83	1.5	39	305	125	5.21	1.01	3.35
6400N 3800E	201 202	< 5	< 0.2	5.86	630	1.5	4	2.17	0.5	40	453	54	4.79	1.00	4.24
6400N 3850E	201 202	< 5	0.2	6.28	620	1.5	< 2	2.72	1.5	40	385	83	4.93	0.98	4.17
6400N 3900E	201 202	< 5	0.2	6.34	550	1.0	8	3.46	0.5	41	384	65	5.44	0.89	4.45
6400N 4100E	201 202	10	5.2	7.02	450	2.0	24	2.45	7.5	86	242	397	7.16	0.87	3.03
6400N 4150E	201 202	10	3.4	7.06	440	2.0	52	2.86	3.5	127	294	204	6.34	0.87	3.61
6400N 5250E	201 202	< 5	< 0.2	6.98	360	2.5	14	2.67	< 0.5	35	27	20	7.23	0.82	2.37
6400N 5300E	201 202	< 5	< 0.2	7.89	420	3.0	12	3.36	< 0.5	37	29	17	8.12	1.10	2.61
6400N 5350E	201 202	< 5	< 0.2	7.60	490	2.5	6	3.93	< 0.5	38	33	18	8.06	1.26	2.69
6400N 5400E	201 202	< 5	< 0.2	6.63	420	2.0	2	2.83	< 0.5	34	52	27	6.83	1.08	2.24
6400N 5450E	201 202	< 5	0.2	6.98	480	2.5	8	3.04	0.5	34	21	21	7.64	1.11	2.26
6400N 5500E	201 202	< 5	< 0.2	6.38	530	2.0	< 2	1.94	< 0.5	26	29	19	5.58	1.34	1.96
6400N 5550E	201 202	< 5	< 0.2	5.86	680	2.5	16	2.32	< 0.5	26	83	21	5.38	1.06	1.90
6400N 5600E	201 202	< 5	< 0.2	5.67	700	3.0	< 2	1.96	< 0.5	28	109	29	5.17	1.18	1.71
6600N 3550E	201 202	< 5	0.2	7.08	590	0.5	8	2.65	0.5	47	408	137	5.44	0.94	4.67
6600N 3600E	201 202	< 5	< 0.2	7.21	340	0.5	< 2	4.34	< 0.5	40	349	70	5.18	0.67	5.06
6600N 3650E	201 202	< 5	0.2	6.85	320	0.5	8	4.03	< 0.5	41	371	77	5.01	0.69	5.55
6600N 3700E	201 202	< 5	< 0.2	5.95	320	0.5	4	2.60	0.5	53	520	107	5.60	0.70	6.14
6600N 3750E	201 202	< 5	1.2	6.08	340	0.5	8	2.46	0.5	61	175	212	5.99	0.57	2.75
6600N 3800E	201 202	< 5	0.4	6.05	360	0.5	< 2	2.81	0.5	42	181	140	5.75	0.63	2.81
6600N 3850E	201 202	< 5	0.6	7.06	400	1.0	10	3.04	0.5	46	207	131	6.42	0.80	3.47

CERTIFICATION:

David Pawliuk



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: BOLIDEN - WESTMIN LIMITED
ATTN: DAVID TERRY
P.O. BOX 49066, STE 904 - 1055 DUNSMUIR ST.
VANCOUVER, BC
V7X 1C4

Project: BEALE
Comments: ATTN: DAVID TERRY CC: DAVID PAWLIUK

Page Number : 6-B
Total Pages : 7
Certificate Date: 10-SEP-1998
Invoice No. : 19829792
P.O. Number : 6112
Account : GP D

CERTIFICATE OF ANALYSIS A9829792

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)			
6000N 5450E	201 202	1150	< 1	1.89	73	2660	14	294	1.18	135	< 10	104			
6000N 5500E	201 202	2180	< 1	2.68	118	3130	12	418	2.14	220	< 10	142			
6000N 5550E	201 202	1140	< 1	1.07	69	990	16	128	0.57	110	< 10	84			
6000N 5600E	201 202	1330	< 1	1.41	84	1400	14	181	1.00	128	< 10	90			
6200N 2950E	201 202	1010	< 1	0.73	242	1540	130	184	0.51	234	< 10	234			
6200N 4100E	201 202	1855	< 1	1.15	330	720	310	145	0.62	237	< 10	380			
6200N 4150E	201 202	2320	< 1	1.04	277	630	262	138	0.53	215	< 10	470			
6200N 5250E	201 202	1240	< 1	1.94	107	2460	12	397	1.53	174	< 10	120			
6200N 5400E	201 202	1315	< 1	1.60	52	2780	16	318	1.91	166	< 10	122			
6200N 5450E	201 202	1440	< 1	1.55	50	2770	12	302	1.69	147	< 10	118			
6200N 5500E	201 202	1280	< 1	1.57	48	2840	14	307	1.62	144	< 10	106			
6200N 5550E	201 202	1265	< 1	1.49	44	2520	16	284	1.44	133	< 10	116			
6200N 5600E	201 202	1510	< 1	1.48	54	2640	16	262	1.53	141	< 10	110			
6400N 3450E	201 202	1045	< 1	1.69	168	800	96	193	0.71	188	< 10	176			
6400N 3500E	201 202	1055	< 1	1.71	180	1220	164	201	0.67	170	< 10	234			
6400N 3550E	201 202	1155	< 1	1.35	142	1570	222	180	0.73	185	< 10	308			
6400N 3600E	-- --	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed			
6400N 3650E	201 202	1045	< 1	1.83	305	900	36	194	0.43	163	< 10	158			
6400N 3700E	201 202	1505	< 1	1.70	146	1060	62	175	0.42	145	< 10	176			
6400N 3750E	201 202	1130	< 1	1.72	183	960	202	208	0.55	180	< 10	202			
6400N 3800E	201 202	985	< 1	1.51	389	850	60	168	0.52	152	< 10	144			
6400N 3850E	201 202	1205	< 1	1.68	306	860	292	189	0.60	170	< 10	314			
6400N 3900E	201 202	1285	< 1	1.87	269	890	92	184	0.76	213	< 10	168			
6400N 4100E	201 202	2310	< 1	1.53	160	1000	2570	147	0.58	199	< 10	2520			
6400N 4150E	201 202	2090	< 1	1.68	184	900	694	150	0.61	190	< 10	1040			
6400N 5250E	201 202	1420	< 1	2.02	19	3400	20	360	1.41	112	< 10	122			
6400N 5300E	201 202	1735	< 1	2.46	21	4490	20	460	1.74	123	< 10	122			
6400N 5350E	201 202	1635	< 1	2.19	36	4430	24	587	1.68	137	< 10	142			
6400N 5400E	201 202	1230	< 1	1.72	44	3140	26	383	1.29	138	< 10	136			
6400N 5450E	201 202	1715	< 1	2.03	14	4840	28	561	1.41	94	< 10	146			
6400N 5500E	201 202	1040	< 1	1.64	23	2750	26	292	0.83	84	< 10	124			
6400N 5550E	201 202	1180	< 1	1.58	48	2430	20	280	1.05	108	< 10	104			
6400N 5600E	201 202	1290	< 1	1.50	65	1730	16	181	1.06	119	< 10	88			
6600N 3550E	201 202	1070	< 1	1.46	294	950	32	142	0.53	229	< 10	124			
6600N 3600E	201 202	1185	< 1	2.06	184	540	26	218	0.55	199	< 10	96			
6600N 3650E	201 202	1170	< 1	1.89	203	540	24	206	0.51	190	< 10	94			
6600N 3700E	201 202	1155	< 1	1.56	580	620	80	138	0.59	179	< 10	172			
6600N 3750E	201 202	1450	< 1	1.22	161	1430	198	125	0.55	210	< 10	226			
6600N 3800E	201 202	1465	< 1	1.34	129	1120	118	130	0.68	224	< 10	166			
6600N 3850E	201 202	1505	< 1	1.66	182	940	130	143	0.74	244	< 10	198			

CERTIFICATION: *David Terry*



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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 British Columbia, Canada V7J 2C1
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 VANCOUVER, BC
 V7X 1C4

Project: BEALE
 Comments: ATTN: DAVID TERRY CC: DAVID PAWLIUK

Page Number: 7-A
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CERTIFICATE OF ANALYSIS A9829792

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)
6600N 3900E	201 202	< 5	0.4	7.15	430	2.5	2	2.26	0.5	29	141	45	5.21	1.38	2.07
6600N 4050E	201 202	< 5	2.4	6.55	870	2.0	18	2.51	17.5	42	425	258	5.54	0.85	4.11
KGS 001	201 202	70	< 0.2	10.05	900	0.5	2	0.56	0.5	7	95	66	8.38	3.01	3.74
KGS 002	201 202	130	< 0.2	9.72	680	0.5	6	1.03	0.5	9	502	56	7.49	2.13	4.53
KGS 003	201 202	230	< 0.2	10.05	610	0.5	2	0.56	< 0.5	8	604	40	7.76	2.73	4.25
KGS 004	201 202	< 5	18.8	4.31	420	0.5	60	0.92	1.5	32	268	1415	21.9	0.72	1.38
KGS 005	201 202	10	19.8	3.88	260	1.0	190	0.71	4.5	28	132	1050	22.1	0.50	1.02
KGS 006	201 202	15	47.0	4.57	450	0.5	82	1.20	5.0	79	257	1225	19.80	0.64	2.57
MPS 001	201 202	3700	3.4	8.63	2650	0.5	6	0.22	1.0	7	138	226	10.25	2.62	2.40
MPS 002	201 202	4960	2.8	4.87	250	< 0.5	6	0.26	2.5	4	129	144	6.90	1.51	4.01

CERTIFICATION: *Hart Fischer*



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
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 British Columbia, Canada V7J 2C1
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 VANCOUVER, BC
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Project : BEALE
 Comments: ATTN: DAVID TERRY CC: DAVID PAWLIUK

CERTIFICATE OF ANALYSIS A9829792

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)			
6600N 3900E	201 202	1105	< 1	2.01	91	900	84	168	0.66	141	< 10	144			
6600N 4050E	201 202	1790	1	1.26	392	1240	1630	125	0.43	169	< 10	4200			
KGS 001	201 202	365	< 1	0.83	59	250	26	66	0.22	138	< 10	100			
KGS 002	201 202	495	< 1	1.21	76	610	24	100	0.30	225	< 10	120			
KGS 003	201 202	420	< 1	0.98	71	710	26	81	0.26	272	< 10	140			
KGS 004	201 202	785	23	0.64	106	990	1960	97	0.43	192	10	412			
KGS 005	201 202	1305	308	0.46	96	470	1950	84	0.24	193	20	1250			
KGS 006	201 202	5250	17	0.67	147	900	2870	123	0.35	167	10	1380			
MPS 001	201 202	375	59	1.39	34	360	214	46	0.21	195	< 10	224			
MPS 002	201 202	310	382	0.78	33	320	190	41	0.13	242	< 10	634			

CERTIFICATION: *[Signature]*



Chemex Labs Ltd.

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

To: BOLIDEN - WESTMIN LIMITED

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

INVOICE NUMBER

I 9 8 3 0 6 2 5

BILLING INFORMATION

Date: 18-SEP-98
Project: BEALE
P.O. No.: 6112
Account: GP D

Comments:

Billing: For analysis performed on
Certificate A9830625

Terms: Payment due on receipt of invoice
1.25% per month (15% per annum)
charged on overdue accounts

Please Remit Payments to:

CHEMEX LABS LTD.
212 Brooksbank Ave.,
North Vancouver, B.C.
Canada V7J 2C1

# OF SAMPLES	ANALYSED FOR CODE - DESCRIPTION	UNIT PRICE	SAMPLE PRICE	AMOUNT
1	208 - Assay ring to approx 150 mesh A-30 ICP Package 0-3 Kg crush and split	2.50 10.50 2.60		15.60
Total Cost \$				15.60
Client Discount (25%) \$				-3.90
Net Cost \$				11.70
(Reg# R100938885) GST \$				0.82
TOTAL PAYABLE (CDN) \$				12.52

COPY



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
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To: BOLIDEN - WESTMIN LIMITED
ATTN: DAVID TERRY
P.O. BOX 49066, STE. 904 - 1055 DUNSMUIR ST.
VANCOUVER, BC
V7X 1C4

A9830625

Comments: ATTN:DAVID TERRY CC:DAVID PAWLIUK

CERTIFICATE

A9830625

(GP D) - BOLIDEN - WESTMIN LIMITED

Project: BEALE
P.O.#: 6112

Samples submitted to our lab in Vancouver, BC.
This report was printed on 17-SEP-1998.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
208	1	Assay ring to approx 150 mesh
226	1	0-3 Kg crush and split
3202	1	Rock - save entire reject
233	1	Assay AQ ICP digestion charge

* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
4001	1	Ag ppm: A30 ICP package	ICP-AES	1	200
4002	1	Al %: A30 ICP package	ICP-AES	0.01	15.00
4003	1	As ppm: A30 ICP package	ICP-AES	10	50000
4004	1	Ba ppm: A30 ICP package	ICP-AES	20	20000
4005	1	Be ppm: A30 ICP package	ICP-AES	5	100
4006	1	Bi ppm: A30 ICP package	ICP-AES	10	50000
4007	1	Ca %: A30 ICP package	ICP-AES	0.01	30.0
4008	1	Cd ppm: A30 ICP package	ICP-AES	5	1000
4009	1	Co ppm: A30 ICP package	ICP-AES	5	50000
4010	1	Cr ppm: A30 ICP package	ICP-AES	10	20000
4011	1	Cu ppm: A30 ICP package	ICP-AES	5	50000
4012	1	Fe %: A30 ICP package	ICP-AES	0.01	30.0
4013	1	Hg ppm: A30 ICP package	ICP-AES	10	10000
4014	1	K %: A30 ICP package	ICP-AES	0.01	10.00
4015	1	Mg %: A30 ICP package	ICP-AES	0.01	30.0
4016	1	Mn ppm: A30 ICP package	ICP-AES	10	50000
4017	1	Mo ppm: A30 ICP package	ICP-AES	5	50000
4018	1	Na %: A30 ICP package	ICP-AES	0.01	20.0
4019	1	Ni ppm: A30 ICP package	ICP-AES	5	50000
4020	1	P ppm: A30 ICP package	ICP-AES	100	10000
4021	1	Pb ppm: A30 ICP package	ICP-AES	5	50000
4022	1	Sb ppm: A30 ICP package	ICP-AES	10	10000
4023	1	Sc ppm: A30 ICP package	ICP-AES	5	10000
4024	1	Sr ppm: A30 ICP package	ICP-AES	5	10000
4025	1	Ti %: A30 ICP package	ICP-AES	0.01	10.00
4026	1	Tl ppm: A30 ICP package	ICP-AES	20	10000
4027	1	U ppm: A30 ICP package	ICP-AES	20	10000
4028	1	V ppm: A30 ICP package	ICP-AES	20	50000
4029	1	W ppm: A30 ICP package	ICP-AES	20	10000
4030	1	Zn ppm: A30 ICP package	ICP-AES	5	50000



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CERTIFICATE OF ANALYSIS

A9830625

SAMPLE	PREP CODE	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppm	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm
BE 2068	208 226	< 1	1.35	60	120	< 5	< 10	0.86	< 5	40	100	430	4.33	< 10	0.10	0.42	380	< 5	0.08	50

CERTIFICATION: David Terry



Chemex Labs Ltd.

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CERTIFICATE OF ANALYSIS

A9830625

SAMPLE	PREP CODE	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
BE 2068	208 226	2600	< 5	< 10	< 5	10	0.08	< 20	< 20	80	< 20	25

CERTIFICATION:

David Terry



Chemex Labs Ltd.

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

To: BOLIDEN - WESTMIN LIMITED

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

INVOICE NUMBER

I 9 8 3 1 5 5 4

BILLING INFORMATION

Date: 24-SEP-98
Project: BEALE
P.O. No.: 6112
Account: GP D

Comments:

Billing: For analysis performed on
Certificate A9831554

Terms: Payment due on receipt of invoice
1.25% per month (15% per annum)
charged on overdue accounts

Please Remit Payments to:

CHEMEX LABS LTD.
212 Brooksbank Ave.,
North Vancouver, B.C.
Canada V7J 2C1

# OF SAMPLES	ANALYSED FOR CODE - DESCRIPTION	UNIT PRICE	SAMPLE PRICE	AMOUNT
3	244 - Pulp; prev. prepared at Chemex 312 - Pb %	0.00 8.00	8.00	24.00
4	244 - Pulp; prev. prepared at Chemex 316 - Zn %	0.00 8.00	8.00	32.00
2	244 - Pulp; prev. prepared at Chemex 312 - Pb % 316 Zn %	0.00 8.00 8.00	16.00	32.00
1	244 - Pulp; prev. prepared at Chemex 384 - Ag FA g/t 301 - Cu %	0.00 10.50 8.00	18.50	18.50
1	244 - Pulp; prev. prepared at Chemex 301 - Cu %	0.00 8.00	8.00	8.00

Total Cost \$	114.50
Client Discount (25%) \$	<u>-28.63</u>
Net Cost \$	85.87
(Reg# R100938885) GST \$	<u>6.01</u>
TOTAL PAYABLE (CDN) \$	91.88

COPY



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

o: BOLIDEN - WESTMIN LIMITED
ATTN: DAVID TERRY
P.O. BOX 49066, STE. 904 - 1055 DUNSMUIR ST.
VANCOUVER, BC
V7X 1C4

A9831554

Comments: ATTN:DAVID TERRY CC:DAVID PAWLIUK

CERTIFICATE

A9831554

(GP D) - BOLIDEN - WESTMIN LIMITED

Project: BEALE
P.O. #: 6112

Samples submitted to our lab in Vancouver, BC.
This report was printed on 23-SEP-1998.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
244	11	Pulp; prev. prepared at Chemex

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
384	1	Ag g/t: Gravimetric	FA-GRAVIMETRIC	3	1000
301	2	Cu %: Conc. Nitric-HCL dig'n	AAS	0.01	100.0
312	5	Pb %: Conc. Nitric-HCL dig'n	AAS	0.01	100.0
316	6	Zn %: Conc. Nitric-HCL dig'n	AAS	0.01	100.0



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VANCOUVER, BC
V7X 1C4

Page Number : 1
Total Pages : 1
Certificate Date: 23-SEP-1998
Invoice No. : 19831554
P.O. Number : 6112
Account : GP D

Project : BEALE
Comments : ATTN:DAVID TERRY CC:DAVID PAWLIUK

CERTIFICATE OF ANALYSIS

A9831554

SAMPLE	PREP CODE	Ag FA g/t	Cu %	Pb %	Zn %						
BE 2030	244 --	-----	-----	6.13	-----						
BE 2031	244 --	-----	-----	1.12	-----						
BE 2033	244 --	-----	-----	1.12	-----						
BE 3009	244 --	-----	-----	-----	1.66						
BE 3010	244 --	-----	-----	-----	1.75						
BE 3011	244 --	-----	-----	-----	1.30						
BE 3020	244 --	-----	-----	1.56	1.67						
BER 1011	244 --	122	3.50	-----	-----						
BER 1012	244 --	-----	1.14	-----	-----						
BER 1020	244 --	-----	-----	-----	1.26						
BER 1021	244 --	-----	-----	2.54	2.20						

CERTIFICATION:

David Terry



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To: BOLIDEN - WESTMIN LIMITED

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

INVOICE NUMBER

I 9 8 3 0 7 9 1

BILLING INFORMATION

Date: 25-SEP-98
Project: BEALE
P.O. No.: 6112
Account: GPD

Comments:

Billing: For analysis performed on
Certificate A9830791

Terms: Payment due on receipt of invoice
1.25% per month (15% per annum)
charged on overdue accounts

Please Remit Payments to:

CHEMEX LABS LTD.
212 Brooksbank Ave.,
North Vancouver, B.C.
Canada V7J 2C1

# OF SAMPLES	ANALYSED FOR CODE - DESCRIPTION	UNIT PRICE	SAMPLE PRICE	AMOUNT
219	201 - Dry, sieve to -80 mesh	1.25		
	202 - save reject	0.85		
	ICP-24	10.50		
	983 - Au ppb FA+AA	9.75	22.35	4894.65
Total Cost \$				4894.65
Client Discount (25%) \$				-1223.66
Net Cost \$				3670.99
(Reg# R100938885) GST \$				256.97
TOTAL PAYABLE (CDN) \$				3927.96

COPY



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 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221 FAX: 604-984-0218

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 P.O. BOX 49066, STE. 904 - 1055 DUNSMUIR ST.
 VANCOUVER, BC
 V7X 1C4

QC Pag
 Tot QC Pg:
 Date:
 Invoice #:
 P.O. #:

1-A
 2
 25-SEP-1998
 19830791
 6112
 GPD

Project: BEALE
 Comments: ATTN:DAVID TERRY CC:DAVID PAWLIUK

QC DATA OF CERTIFICATE A9830791

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)
AY-97	Std1	1	610	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
AY-97	Std1	2	620	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
AY-97	Std1	3	605	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
AY-97	Std1	5	525	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
AY-97	Std1	6	630	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
CHEMEX MEAN	---	---	639	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
BL-C	Blnk	1	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
BL-C	Blnk	2	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
BL-C	Blnk	3	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
BL-C	Blnk	4	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
BL-C	Blnk	5	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
CHEMEX MEAN	---	---	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
G96-TOT	Std1	1	-----	-----	7.90	1150	1.0	< 2	2.10	1.5	22	97	183	4.69	1.84	1.02
G96-TOT	Std2	1	-----	-----	7.79	1160	1.0	2	2.05	1.5	21	94	178	4.58	1.80	1.00
G96-TOT	Std1	2	-----	-----	7.86	1160	1.0	< 2	2.22	1.5	21	98	175	4.77	1.85	0.99
G96-TOT	Std2	2	-----	-----	7.70	1130	1.0	< 2	2.15	1.5	20	94	171	4.66	1.84	0.97
G96-TOT	Std1	3	-----	-----	7.82	1150	1.0	< 2	2.15	1.5	21	99	180	4.74	1.86	0.98
G96-TOT	Std2	3	-----	-----	7.99	1180	1.0	2	2.24	1.5	21	97	183	4.87	1.87	1.00
G96-TOT	Std1	4	-----	-----	7.36	1090	1.0	< 2	2.06	1.5	19	89	165	4.54	1.74	0.95
G96-TOT	Std2	4	-----	-----	7.43	1110	1.0	< 2	2.06	1.5	20	93	170	4.55	1.74	0.95
G96-TOT	Std1	5	-----	-----	8.05	1180	1.0	< 2	2.25	1.5	21	99	185	4.87	1.89	1.01
G96-TOT	Std2	5	-----	-----	7.71	1130	1.0	2	2.14	1.5	19	93	179	4.74	1.77	0.96
G96-TOT	Std1	6	-----	-----	8.16	1170	1.0	2	2.25	1.5	20	96	185	4.86	1.97	0.99
CHEMEX MEAN	---	---	-----	-----	7.60	1135	1.1	2	2.13	0.9	17	98	177	4.60	1.82	1.00
GEO-96	Std1	1	-----	5.8	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
GEO-96	Std2	1	-----	6.8	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
GEO-96	Std1	2	-----	5.6	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
GEO-96	Std2	2	-----	5.2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
GEO-96	Std1	3	-----	6.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
GEO-96	Std2	3	-----	5.4	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
GEO-96	Std1	4	-----	5.6	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
GEO-96	Std2	4	-----	5.2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
GEO-96	Std1	5	-----	6.4	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
GEO-96	Std2	5	-----	6.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
GEO-96	Std1	6	-----	5.8	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
CHEMEX MEAN	---	---	-----	5.6	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
RV-98	Std2	1	510	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
RV-98	Std2	2	535	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
RV-98	Std2	3	535	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
RV-98	Std2	4	510	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
RV-98	Std2	5	530	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
CHEMEX MEAN	---	---	522	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

CERTIFICATION:

David Bickler



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 212 Brooksbank Ave., North Vancouver
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To: BOLIDEN - WESTMIN LIMITED
 ATTN: DAVID TERRY
 P.O. BOX 49066, STE. 904 - 1055 DUNSMUIR ST.
 VANCOUVER, BC
 V7X 1C4

QC Pa.
 Tot QC Pg:
 Date:
 Invoice #:
 P.O. #:

1-B
 2
 25-SEP-1998
 19830791
 6112
 GP D

Project: BEALE
 Comments: ATTN:DAVID TERRY CC:DAVID PAWLIUK

QC DATA OF CERTIFICATE A9830791

STD/DUP/BLANK DESCRIPTION	QC TYPE	PAGE 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)			
AY-97	std1	1	----	----	----	----	----	----	----	----	----	----	----			
AY-97	std1	2	----	----	----	----	----	----	----	----	----	----	----			
AY-97	std1	3	----	----	----	----	----	----	----	----	----	----	----			
AY-97	std1	5	----	----	----	----	----	----	----	----	----	----	----			
AY-97	std1	6	----	----	----	----	----	----	----	----	----	----	----			
CHEMEX MEAN	---	---	----	----	----	----	----	----	----	----	----	----	----			
BL-C	Blnk	1	----	----	----	----	----	----	----	----	----	----	----			
BL-C	Blnk	2	----	----	----	----	----	----	----	----	----	----	----			
BL-C	Blnk	3	----	----	----	----	----	----	----	----	----	----	----			
BL-C	Blnk	4	----	----	----	----	----	----	----	----	----	----	----			
BL-C	Blnk	5	----	----	----	----	----	----	----	----	----	----	----			
CHEMEX MEAN	---	---	----	----	----	----	----	----	----	----	----	----	----			
G96-TOT	std1	1	1075	8	1.06	26	610	----	240	0.37	168	< 10	202			
G96-TOT	std2	1	1050	8	1.02	25	590	----	236	0.35	164	< 10	192			
G96-TOT	std1	2	1065	8	1.01	25	630	----	240	0.34	161	< 10	188			
G96-TOT	std2	2	1050	8	1.03	24	610	----	234	0.35	156	< 10	188			
G96-TOT	std1	3	1060	7	1.05	24	610	----	241	0.35	159	< 10	188			
G96-TOT	std2	3	1070	8	1.03	24	630	----	245	0.35	164	< 10	194			
G96-TOT	std1	4	1010	7	0.90	24	570	----	224	0.34	155	< 10	178			
G96-TOT	std2	4	1020	8	0.91	24	580	----	228	0.34	155	< 10	184			
G96-TOT	std1	5	1095	8	1.05	25	650	----	245	0.36	166	< 10	198			
G96-TOT	std2	5	1050	8	1.01	24	600	----	237	0.35	158	< 10	188			
G96-TOT	std1	6	1075	7	1.09	24	640	----	247	0.35	160	< 10	198			
CHEMEX MEAN	---	---	1025	8	1.00	24	624	----	236	0.34	160	< 10	185			
GEO-96	std1	1	----	----	----	----	----	142	----	----	----	----	----			
GEO-96	std2	1	----	----	----	----	----	128	----	----	----	----	----			
GEO-96	std1	2	----	----	----	----	----	134	----	----	----	----	----			
GEO-96	std2	2	----	----	----	----	----	138	----	----	----	----	----			
GEO-96	std1	3	----	----	----	----	----	130	----	----	----	----	----			
GEO-96	std2	3	----	----	----	----	----	129	----	----	----	----	----			
GEO-96	std1	4	----	----	----	----	----	136	----	----	----	----	----			
GEO-96	std2	4	----	----	----	----	----	142	----	----	----	----	----			
GEO-96	std1	5	----	----	----	----	----	136	----	----	----	----	----			
GEO-96	std2	5	----	----	----	----	----	136	----	----	----	----	----			
GEO-96	std1	6	----	----	----	----	----	146	----	----	----	----	----			
CHEMEX MEAN	---	---	----	----	----	----	----	125	----	----	----	----	----			
RV-98	std2	1	----	----	----	----	----	----	----	----	----	----	----			
RV-98	std2	2	----	----	----	----	----	----	----	----	----	----	----			
RV-98	std2	3	----	----	----	----	----	----	----	----	----	----	----			
RV-98	std2	4	----	----	----	----	----	----	----	----	----	----	----			
RV-98	std2	5	----	----	----	----	----	----	----	----	----	----	----			
CHEMEX MEAN	---	---	----	----	----	----	----	----	----	----	----	----	----			

CERTIFICATION: Hart Bichler



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 P.O. BOX 49066, STE. 904 - 1055 DUNSMUIR ST.
 VANCOUVER, BC
 V7X 1C4

QC Pag. 2
 Tot QC Pg: 2
 Date: 25-SEP-1998
 Invoice #: 19830791
 P.O. #: 6112
 GPD

2-A
 2
 25-SEP-1998
 19830791
 6112
 GPD

Project: BEALE
 Comments: ATTN:DAVID TERRY CC:DAVID PAWLIUK

QC DATA OF CERTIFICATE A9830791

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)
SIO2-3	Blnk	1	----	< 0.2	----	----	----	----	----	----	----	----	----	----	----	----
SIO2-3	Blnk	2	----	< 0.2	----	----	----	----	----	----	----	----	----	----	----	----
SIO2-3	Blnk	3	----	< 0.2	----	----	----	----	----	----	----	----	----	----	----	----
SIO2-3	Blnk	4	----	< 0.2	----	----	----	----	----	----	----	----	----	----	----	----
SIO2-3	Blnk	5	----	< 0.2	----	----	----	----	----	----	----	----	----	----	----	----
CHEMEX MEAN	----	----	----	0.2	----	----	----	----	----	----	----	----	----	----	----	----
SIO2-T5	Blnk	1	----	----	0.26	30	< 0.5	< 2	0.03	< 0.5	< 1	5	2	0.07	0.05	0.01
SIO2-T5	Blnk	2	----	----	0.24	20	< 0.5	< 2	0.02	< 0.5	< 1	4	< 1	0.06	0.04	0.01
SIO2-T5	Blnk	3	----	----	0.25	20	< 0.5	< 2	0.03	< 0.5	< 1	4	< 1	0.06	0.05	0.01
SIO2-T5	Blnk	4	----	----	0.25	20	< 0.5	< 2	0.02	< 0.5	< 1	3	3	0.06	0.05	0.01
SIO2-T5	Blnk	5	----	----	0.24	20	< 0.5	< 2	0.02	< 0.5	< 1	4	< 1	0.06	0.04	0.01
CHEMEX MEAN	----	----	----	----	0.25	21	----	----	0.02	----	1	4	3	0.06	0.04	0.01
L10600N 10000E	Dup1-01		< 5	1.0	9.23	660	5.0	< 2	0.89	1.5	17	58	72	5.96	2.05	1.42
	Orig1-01		< 5	1.0	8.95	640	4.5	< 2	0.86	1.5	16	54	70	5.75	1.97	1.41
L10600N 11050E	Dup2-01		-----	< 0.2	8.16	880	2.5	< 2	1.04	0.5	15	70	26	4.25	1.95	1.19
	Orig2-01		< 5	< 0.2	7.80	880	2.5	< 2	0.98	0.5	15	70	26	4.18	1.80	1.19
L10800N 10600E	Dup3-01		< 5	1.0	8.10	1340	1.5	4	1.16	3.0	29	66	141	5.53	1.53	2.64
	Orig3-01		< 5	1.0	7.82	1300	1.5	< 2	1.13	2.5	27	63	133	5.32	1.49	2.56
L11000N 10075E	Dup4-01		-----	1.0	8.50	1350	2.5	< 2	0.88	2.5	33	108	122	5.55	2.24	2.09
	Orig4-01		< 5	0.8	8.43	1340	2.5	< 2	0.90	2.5	32	108	121	5.42	2.22	2.05
L11000N 11150E	Dup5-01		-----	1.8	7.91	1240	3.0	< 2	1.48	0.5	30	89	201	5.40	1.52	1.24
	Orig5-01		< 5	0.8	8.16	1310	3.0	< 2	1.57	0.5	32	90	206	5.68	1.60	1.29
L11200N 11000E	Dup6-01		< 5	0.4	9.84	1440	3.0	< 2	0.76	< 0.5	22	66	47	3.25	2.27	1.56
	Orig6-01		< 5	0.2	9.74	1420	3.0	< 2	0.77	0.5	22	67	49	3.26	2.18	1.53

CERTIFICATION: Hart Buchler



Chemex Labs Ltd.

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 British Columbia, Canada V7J 2C1
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To: BOLIDEN - WESTMIN LIMITED
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QC Pac
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2-B
 2
 25-SEP-1998
 19830791
 6112
 GP D

Project: BEALE
 Comments: ATTN:DAVID TERRY CC:DAVID PAWLIUK

QC DATA OF CERTIFICATE

A9830791

STD/DUP/BLANK DESCRIPTION	QC TYPE	PAGE 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)			
SIO2-3	Blnk	1	-----	-----	-----	-----	-----	2	-----	-----	-----	-----	-----			
SIO2-3	Blnk	2	-----	-----	-----	-----	-----	< 2	-----	-----	-----	-----	-----			
SIO2-3	Blnk	3	-----	-----	-----	-----	-----	< 2	-----	-----	-----	-----	-----			
SIO2-3	Blnk	4	-----	-----	-----	-----	-----	4	-----	-----	-----	-----	-----			
SIO2-3	Blnk	5	-----	-----	-----	-----	-----	2	-----	-----	-----	-----	-----			
CHEMEX MEAN	---	---	-----	-----	-----	-----	-----	< 2	-----	-----	-----	-----	-----			
SIO2-T5	Blnk	1	5	< 1	0.01	< 1	150	-----	126	0.01	4	< 10	2			
SIO2-T5	Blnk	2	5	< 1	0.01	< 1	140	-----	120	0.01	4	< 10	< 2			
SIO2-T5	Blnk	3	5	< 1	0.01	< 1	150	-----	124	0.01	4	< 10	< 2			
SIO2-T5	Blnk	4	5	< 1	0.01	< 1	140	-----	122	0.01	4	< 10	4			
SIO2-T5	Blnk	5	5	< 1	0.01	< 1	140	-----	123	0.01	4	< 10	< 2			
CHEMEX MEAN	---	---	5	-----	-----	2	176	-----	130	0.01	4	-----	2			
L10600N 10000E	Dup1-01		1175	6	2.10	61	1990	514	102	0.42	125	< 10	590			
	Orig1-01		1140	6	2.02	60	1950	516	99	0.42	124	< 10	574			
L10600N 11050E	Dup2-01		855	1	1.88	32	2100	40	218	0.47	118	< 10	114			
	Orig2-01		840	2	1.76	32	2070	36	216	0.46	117	< 10	114			
L10800N 10600E	Dup3-01		1980	< 1	1.61	46	1290	252	189	0.54	219	< 10	554			
	Orig3-01		1920	< 1	1.51	45	1260	244	179	0.49	210	< 10	530			
L11000N 10075E	Dup4-01		1940	1	0.93	83	1940	250	128	0.45	187	< 10	496			
	Orig4-01		1925	3	0.92	82	1930	252	126	0.44	181	< 10	488			
L11000N 11150E	Dup5-01		1950	1	1.57	57	2020	122	259	0.49	115	< 10	204			
	Orig5-01		2060	2	1.64	59	2090	122	269	0.52	121	< 10	206			
L11200N 11000E	Dup5-01		1075	< 1	1.00	27	700	84	141	0.40	108	< 10	88			
	Orig5-01		1115	< 1	1.01	28	700	88	137	0.41	105	< 10	88			

CERTIFICATION:

David Terry



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: BOLIDEN - WESTMIN LIMITED
 ATTN: DAVID TERRY
 P.O. BOX 49066, STE. 904 - 1055 DUNSMUIR ST.
 VANCOUVER, BC
 V7X 1C4

A9830791

Comments: ATTN:DAVID TERRY CC:DAVID PAWLIUK

CERTIFICATE

A9830791

(GP D) - BOLIDEN - WESTMIN LIMITED

Project: BEALE
 P.O. #: 6112

Samples submitted to our lab in Vancouver, BC.
 This report was printed on 25-SEP-1998.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201	219	Dry, sieve to -80 mesh
202	219	save reject
285	219	ICP - HF digestion charge

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	219	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
578	219	Ag ppm: 24 element, rock & core	AAS	0.2	100.0
573	219	Al %: 24 element, rock & core	ICP-AES	0.01	25.0
565	219	Ba ppm: 24 element, rock & core	ICP-AES	10	10000
575	219	Be ppm: 24 element, rock & core	ICP-AES	0.5	1000
561	219	Bi ppm: 24 element, rock & core	ICP-AES	2	10000
576	219	Ca %: 24 element, rock & core	ICP-AES	0.01	25.0
562	219	Cd ppm: 24 element, rock & core	ICP-AES	0.5	500
563	219	Co ppm: 24 element, rock & core	ICP-AES	1	10000
569	219	Cr ppm: 24 element, rock & core	ICP-AES	1	10000
577	219	Cu ppm: 24 element, rock & core	ICP-AES	1	10000
566	219	Fe %: 24 element, rock & core	ICP-AES	0.01	25.0
584	219	K %: 24 element, rock & core	ICP-AES	0.01	10.00
570	219	Mg %: 24 element, rock & core	ICP-AES	0.01	15.00
568	219	Mn ppm: 24 element, rock & core	ICP-AES	5	10000
554	219	Mo ppm: 24 element, rock & core	ICP-AES	1	10000
583	219	Na %: 24 element, rock & core	ICP-AES	0.01	10.00
564	219	Ni ppm: 24 element, rock & core	ICP-AES	1	10000
559	219	P ppm: 24 element, rock & core	ICP-AES	10	10000
560	219	Pb ppm: 24 element, rock & core	AAS	2	10000
582	219	Sr ppm: 24 element, rock & core	ICP-AES	1	10000
579	219	Ti %: 24 element, rock & core	ICP-AES	0.01	10.00
572	219	V ppm: 24 element, rock & core	ICP-AES	1	10000
556	219	W ppm: 24 element, rock & core	ICP-AES	10	10000
558	219	Zn ppm: 24 element, rock & core	ICP-AES	2	10000



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 Invoice No. : 19830791
 P.O. Number : 6112
 Account : GP D

Project : BEALE
 Comments : ATTN:DAVID TERRY CC:DAVID PAWLJUK

CERTIFICATE OF ANALYSIS A9830791

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)
L10600N 10000E	201 202	< 5	1.0	8.95	640	4.5	< 2	0.86	1.5	16	54	70	5.75	1.97	1.41
L10600N 10025E	201 202	< 5	0.2	8.04	800	3.0	< 2	1.16	2.5	17	79	40	4.43	1.78	1.24
L10600N 10050E	201 202	< 5	0.2	7.66	1010	2.5	< 2	1.43	1.5	18	67	28	3.49	1.80	1.09
L10600N 10125E	201 202	< 5	1.6	8.90	1290	3.5	< 2	0.44	8.5	48	110	119	5.41	2.43	1.49
L10600N 10150E	201 202	10	1.2	9.45	1200	3.5	< 2	0.76	2.5	41	112	93	5.65	2.54	1.55
L10600N 10175E	201 202	< 5	1.0	8.34	1020	3.5	< 2	0.74	2.5	36	101	92	5.14	2.11	1.30
L10600N 10200E	201 202	< 5	0.8	8.52	920	3.0	< 2	1.10	1.5	32	100	75	4.96	2.00	1.37
L10600N 10225E	201 202	< 5	0.8	8.77	1030	3.0	< 2	0.88	2.0	36	93	80	5.09	2.12	1.24
L10600N 10250E	201 202	< 5	0.6	8.25	1020	3.0	< 2	1.06	1.0	22	87	52	4.46	2.02	1.12
L10600N 10275E	201 202	< 5	0.4	8.25	1140	3.0	< 2	1.00	1.5	22	75	48	4.02	2.09	1.06
L10600N 10300E	201 202	5	1.0	9.82	1570	4.0	< 2	0.19	2.0	54	119	143	6.29	2.73	1.77
L10600N 10325E	201 202	10	1.2	7.40	1140	3.5	< 2	0.51	2.5	57	88	153	5.68	1.93	1.22
L10600N 10350E	201 202	15	2.2	8.68	1250	3.5	< 2	0.29	2.5	50	114	180	7.17	2.29	1.32
L10600N 10375E	201 202	15	3.0	9.59	1420	3.5	< 2	0.28	5.5	41	126	139	6.29	2.61	1.46
L10600N 10400E	201 202	< 5	0.6	7.32	930	3.0	< 2	0.48	1.5	26	94	89	5.36	1.87	0.91
L10600N 10425E	201 202	25	1.4	8.91	1270	4.0	< 2	0.41	3.0	66	125	253	8.25	2.34	1.42
L10600N 10450E	201 202	< 5	0.6	7.78	1080	3.0	< 2	0.44	2.0	31	112	83	5.12	2.02	1.08
L10600N 10475E	201 202	< 5	1.2	8.73	1240	3.5	< 2	1.02	4.5	36	109	80	5.65	2.25	1.62
L10600N 10500E	201 202	10	5.6	9.83	1470	4.0	2	0.60	6.0	46	133	150	7.35	2.56	1.88
L10600N 10525E	201 202	10	8.8	10.30	1790	4.0	< 2	0.31	17.0	54	132	222	7.76	2.96	1.96
L10600N 10550E	201 202	5	1.4	8.50	1040	2.5	< 2	0.61	2.0	24	106	77	5.28	2.04	1.54
L10600N 10575E	201 202	< 5	1.0	8.57	1110	3.0	< 2	0.56	2.0	24	110	71	5.38	2.15	1.41
L10600N 10600E	201 202	< 5	1.4	7.96	900	3.0	< 2	0.80	2.0	24	98	63	4.81	1.93	1.28
L10600N 10625E	201 202	10	0.2	7.77	940	2.5	2	1.32	1.5	22	94	43	4.63	1.63	1.60
L10600N 10650E	201 202	< 5	0.8	8.32	1080	2.5	< 2	0.92	1.5	22	96	61	4.52	2.10	1.48
L10600N 10675E	201 202	< 5	0.4	8.74	1140	3.0	< 2	0.97	1.5	23	102	59	4.71	2.22	1.55
L10600N 10700E	201 202	< 5	0.8	8.94	1180	3.0	< 2	0.72	1.5	24	102	70	4.68	2.34	1.52
L10600N 10725E	201 202	< 5	0.8	9.11	1230	3.0	< 2	0.61	2.0	25	103	78	4.74	2.38	1.55
L10600N 10750E	201 202	< 5	0.2	8.97	920	3.0	< 2	0.82	0.5	18	95	48	4.70	2.12	1.28
L10600N 10775E	201 202	< 5	0.6	8.96	1020	2.5	< 2	0.68	0.5	17	98	54	4.51	2.14	1.40
L10600N 10800E	201 202	< 5	0.6	7.96	800	2.5	< 2	0.64	0.5	13	89	35	4.00	1.89	1.07
L10600N 10825E	201 202	< 5	< 0.2	8.55	1070	3.0	< 2	1.35	0.5	16	68	27	3.74	1.96	1.31
L10600N 10850E	201 202	< 5	0.2	8.38	840	2.5	< 2	0.79	0.5	17	94	40	4.38	1.97	1.18
L10600N 10875E	201 202	55	0.6	9.07	960	3.0	2	0.74	0.5	19	99	47	4.78	2.18	1.31
L10600N 10900E	201 202	< 5	0.2	8.68	930	3.0	< 2	1.18	0.5	17	89	37	4.33	1.92	1.39
L10600N 10925E	201 202	< 5	0.6	8.86	710	3.0	2	1.21	0.5	17	110	33	5.24	1.99	1.27
L10600N 10950E	201 202	< 5	0.2	8.31	1110	2.5	< 2	1.90	1.0	16	69	30	3.70	2.00	1.29
L10600N 10975E	201 202	< 5	< 0.2	8.83	840	3.0	< 2	1.45	0.5	22	90	40	4.76	1.79	1.47
L10600N 11000E	201 202	< 5	< 0.2	8.79	840	3.0	< 2	1.96	0.5	16	92	23	3.93	2.01	1.27
L10600N 11025E	201 202	< 5	0.2	8.33	1040	2.5	< 2	1.48	2.5	21	80	70	4.55	1.88	1.92

CERTIFICATION: Hart Buchler



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CERTIFICATE OF ANALYSIS A9830791

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)			
L10600N 10000E	201 202	1140	6	2.02	60	1950	516	99	0.42	124	< 10	574			
L10600N 10025E	201 202	885	4	1.74	58	2340	74	209	0.51	123	< 10	556			
L10600N 10050E	201 202	805	1	2.11	46	2110	54	340	0.47	107	< 10	260			
L10600N 10125E	201 202	3090	11	1.13	92	1720	306	110	0.43	169	< 10	426			
L10600N 10150E	201 202	2030	10	1.71	98	1440	120	173	0.48	163	< 10	318			
L10600N 10175E	201 202	1690	8	1.50	95	1680	120	164	0.43	149	< 10	332			
L10600N 10200E	201 202	1320	5	1.80	112	1310	86	219	0.51	137	< 10	314			
L10600N 10225E	201 202	1780	10	1.75	94	1720	128	215	0.46	146	< 10	298			
L10600N 10250E	201 202	1095	7	1.92	60	1870	86	259	0.48	136	< 10	220			
L10600N 10275E	201 202	1080	6	1.86	56	1690	96	275	0.44	130	< 10	222			
L10600N 10300E	201 202	2170	13	1.01	135	1160	80	85	0.32	180	< 10	286			
L10600N 10325E	201 202	2110	12	0.84	118	1980	128	95	0.27	135	< 10	324			
L10600N 10350E	201 202	2460	23	1.09	110	2400	188	93	0.41	187	< 10	432			
L10600N 10375E	201 202	2240	15	1.24	102	1390	174	108	0.47	207	< 10	446			
L10600N 10400E	201 202	1275	10	1.15	60	3270	70	114	0.45	140	< 10	184			
L10600N 10425E	201 202	2400	38	1.22	192	1870	164	123	0.50	207	< 10	584			
L10600N 10450E	201 202	1885	10	1.14	69	2380	86	110	0.48	176	< 10	218			
L10600N 10475E	201 202	2720	7	1.39	73	1710	190	230	0.57	146	< 10	518			
L10600N 10500E	201 202	5130	17	1.06	94	1830	1465	147	0.61	198	< 10	1595			
L10600N 10525E	201 202	7410	29	0.65	111	1410	2900	90	0.58	196	< 10	2180			
L10600N 10550E	201 202	2290	5	1.45	62	1580	390	125	0.50	157	< 10	478			
L10600N 10575E	201 202	2040	7	1.39	62	1980	278	125	0.52	164	< 10	418			
L10600N 10600E	201 202	1515	6	1.39	67	1770	166	164	0.53	135	< 10	276			
L10600N 10625E	201 202	1615	4	1.65	48	2060	98	308	0.51	153	< 10	198			
L10600N 10650E	201 202	1315	5	1.55	69	1490	104	213	0.48	145	< 10	250			
L10600N 10675E	201 202	1300	5	1.60	68	1620	96	224	0.52	154	< 10	240			
L10600N 10700E	201 202	1240	6	1.39	77	1240	94	183	0.48	162	< 10	256			
L10600N 10725E	201 202	1335	6	1.33	84	1120	112	168	0.46	166	< 10	298			
L10600N 10750E	201 202	960	5	1.86	52	1760	78	189	0.51	136	< 10	204			
L10600N 10775E	201 202	855	5	1.52	58	1460	68	176	0.50	149	< 10	206			
L10600N 10800E	201 202	615	5	1.52	40	1970	64	150	0.48	121	< 10	170			
L10600N 10825E	201 202	800	1	2.07	44	1660	42	307	0.46	112	< 10	160			
L10600N 10850E	201 202	920	5	1.61	47	1690	66	164	0.51	129	< 10	192			
L10600N 10875E	201 202	970	5	1.73	55	1680	72	173	0.53	142	< 10	218			
L10600N 10900E	201 202	925	4	1.90	52	1640	70	246	0.51	125	< 10	234			
L10600N 10925E	201 202	800	8	1.88	56	1920	60	174	0.63	132	< 10	206			
L10600N 10950E	201 202	895	3	2.34	37	2420	86	374	0.50	112	< 10	214			
L10600N 10975E	201 202	1060	3	1.97	45	2120	66	282	0.53	130	< 10	186			
L10600N 11000E	201 202	570	4	2.16	41	2300	32	261	0.67	121	< 10	134			
L10600N 11025E	201 202	1655	3	1.69	59	1330	56	255	0.45	154	< 10	208			

CERTIFICATION: Hant Buchler



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CERTIFICATE OF ANALYSIS A9830791

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)
L10600N 11050E	201 202	< 5	< 0.2	7.80	880	2.5	< 2	0.98	0.5	15	70	26	4.18	1.80	1.19
L10600N 11075E	201 202	< 5	< 0.2	7.92	770	2.0	< 2	0.79	0.5	32	73	140	5.39	1.65	2.43
L10600N 11100E	201 202	< 5	< 0.2	6.42	600	1.5	< 2	0.57	0.5	31	51	81	4.36	1.15	1.75
L10600N 11150E	201 202	< 5	< 0.2	6.87	480	2.5	< 2	0.72	0.5	19	65	65	4.85	1.40	1.30
L10600N 11175E	201 202	< 5	< 0.2	7.58	610	2.0	< 2	0.72	< 0.5	29	69	121	5.16	1.23	2.00
L10600N 11200E	201 202	< 5	< 0.2	7.33	590	2.0	< 2	0.84	< 0.5	31	65	158	5.09	1.17	2.19
L10600N 11225E	201 202	< 5	< 0.2	7.54	630	2.0	< 2	0.87	< 0.5	43	85	147	5.10	1.12	2.77
L10600N 11250E	201 202	< 5	< 0.2	7.39	660	1.5	< 2	1.44	< 0.5	28	61	132	5.07	1.31	2.16
L10600N 11275E	201 202	< 5	< 0.2	6.63	680	1.5	< 2	0.91	< 0.5	26	60	118	4.90	1.35	2.07
L10600N 11300E	201 202	< 5	< 0.2	7.55	650	1.5	< 2	1.11	< 0.5	36	65	164	5.06	1.27	2.28
L10600N 11325E	201 202	< 5	< 0.2	6.73	680	1.5	< 2	0.96	< 0.5	21	73	131	4.53	1.33	1.57
L10600N 11350E	201 202	< 5	< 0.2	6.66	660	1.5	< 2	1.07	< 0.5	23	72	134	4.67	1.37	1.75
L10600N 11375E	201 202	< 5	< 0.2	8.50	770	1.5	< 2	0.68	1.5	34	49	196	5.15	1.45	2.15
L10600N 11400E	201 202	< 5	< 0.2	6.80	640	1.5	4	0.98	0.5	25	76	106	4.75	1.30	1.69
L10600N 11425E	201 202	< 5	< 0.2	7.98	590	2.5	4	1.09	0.5	26	76	243	5.38	1.37	1.91
L10600N 11450E	201 202	< 5	< 0.2	9.02	730	2.0	< 2	0.91	1.5	36	62	206	5.59	1.63	2.61
L10600N 11475E	201 202	< 5	< 0.2	8.12	730	2.5	< 2	1.09	0.5	40	81	86	5.54	1.91	1.88
L10600N 11500E	201 202	< 5	< 0.2	7.93	730	2.0	4	0.98	0.5	35	79	82	5.42	1.76	1.95
L10800N 10000E	201 202	< 5	< 0.2	7.90	1080	2.5	< 2	1.69	1.0	15	67	13	3.61	2.04	1.04
L10800N 10025E	201 202	< 5	0.4	7.10	560	2.5	< 2	0.92	1.0	12	75	9	4.47	1.85	0.56
L10800N 10050E	201 202	5	1.4	7.46	880	2.0	4	0.86	3.5	24	64	128	4.79	1.71	1.98
L10800N 10100E	201 202	< 5	3.2	8.22	910	2.0	< 2	0.93	4.5	33	71	163	5.80	1.78	2.57
L10800N 10125E	201 202	5	1.0	8.71	1200	3.0	< 2	1.21	2.0	26	79	102	4.92	2.15	1.68
L10800N 10150E	201 202	< 5	1.0	8.55	1040	3.0	< 2	0.94	3.0	32	78	135	5.67	2.02	1.98
L10800N 10175E	201 202	< 5	0.6	8.37	1040	2.5	< 2	0.93	2.5	32	75	123	5.51	1.95	2.11
L10800N 10200E	201 202	10	< 0.2	7.52	940	3.0	< 2	0.96	2.5	31	79	81	5.07	1.88	1.39
L10800N 10250E	201 202	20	1.2	8.11	1010	4.5	< 2	0.48	4.0	71	95	219	6.80	2.00	1.26
L10800N 10275E	201 202	< 5	< 0.2	8.86	1200	3.5	< 2	0.51	3.0	45	108	73	5.52	2.41	1.50
L10800N 10300E	201 202	< 5	< 0.2	7.64	940	2.5	< 2	1.19	1.0	32	93	77	5.33	1.90	1.64
L10800N 10325E	201 202	< 5	0.8	7.47	1020	1.5	8	1.53	1.5	33	67	116	5.69	1.55	2.77
L10800N 10350E	201 202	10	1.4	7.00	1020	1.0	< 2	1.40	2.0	34	61	113	5.37	1.47	2.70
L10800N 10375E	201 202	5	1.2	7.28	990	1.5	< 2	0.74	1.0	42	84	146	5.61	1.50	2.47
L10800N 10400E	201 202	< 5	< 0.2	7.67	900	1.5	< 2	0.99	2.0	39	80	138	5.85	1.55	3.19
L10800N 10425E	201 202	10	0.2	7.25	710	1.5	< 2	1.28	0.5	33	65	132	5.56	1.30	3.33
L10800N 10450E	201 202	< 5	< 0.2	6.33	560	1.0	< 2	1.45	< 0.5	35	48	140	5.21	0.98	2.92
L10800N 10475E	201 202	< 5	< 0.2	5.87	470	1.0	4	1.54	< 0.5	36	44	149	5.48	0.90	2.83
L10800N 10500E	201 202	< 5	< 0.2	7.74	480	1.5	< 2	0.69	0.5	40	46	286	6.65	1.27	3.71
L10800N 10525E	201 202	< 5	< 0.2	7.60	570	0.5	< 2	1.53	< 0.5	41	41	257	7.04	1.08	4.64
L10800N 10550E	201 202	5	< 0.2	7.94	1150	1.5	< 2	1.53	0.5	35	59	143	6.17	1.53	3.11
L10800N 10575E	201 202	< 5	1.4	7.55	1250	1.5	4	1.25	4.5	27	59	153	5.12	1.45	2.29

CERTIFICATION:

David Terry



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: BOLIDEN - WESTMIN LIMITED
 ATTN: DAVID TERRY
 P.O. BOX 49066, STE. 904 - 1055 DUNSMUIR ST.
 VANCOUVER, BC
 V7X 1C4

Page Number : 2-B
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 Certificate Date: 25-SEP-1998
 Invoice No. : 19830791
 P.O. Number : 6112
 Account : GP D

Project : BEALE
 Comments: ATTN:DAVID TERRY CC:DAVID PAWLIUK

CERTIFICATE OF ANALYSIS A9830791

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)			
L10600N 11050E	201 202	840	< 2	1.76	32	2070	36	216	0.46	117	< 10	114			
L10600N 11075E	201 202	2610	< 1	1.52	49	1680	30	163	0.46	177	< 10	114			
L10600N 11100E	201 202	2280	< 1	1.08	24	2390	34	132	0.41	162	< 10	92			
L10600N 11150E	201 202	1300	< 1	1.52	29	2360	26	129	0.46	124	< 10	84			
L10600N 11175E	201 202	1590	< 1	1.30	36	2570	30	143	0.45	168	< 10	98			
L10600N 11200E	201 202	1680	< 1	1.34	37	2200	28	175	0.44	176	< 10	76			
L10600N 11225E	201 202	2930	< 1	1.26	46	1070	32	120	0.33	173	< 10	66			
L10600N 11250E	201 202	1485	< 1	1.40	33	1880	26	281	0.46	173	< 10	82			
L10600N 11275E	201 202	1450	< 1	1.22	29	2420	28	127	0.46	163	< 10	76			
L10600N 11300E	201 202	1315	< 1	1.37	37	1100	22	228	0.45	185	< 10	82			
L10600N 11325E	201 202	1175	< 1	1.37	34	1670	18	254	0.44	171	< 10	74			
L10600N 11350E	201 202	1195	< 1	1.37	34	1550	22	243	0.41	162	< 10	76			
L10600N 11375E	201 202	3080	< 1	0.95	26	1830	436	157	0.42	175	< 10	530			
L10600N 11400E	201 202	1155	< 1	1.37	39	1720	106	174	0.46	152	< 10	172			
L10600N 11425E	201 202	1300	< 1	1.51	41	2320	100	173	0.49	163	< 10	256			
L10600N 11450E	201 202	1935	< 1	1.62	42	1630	144	172	0.47	180	< 10	282			
L10600N 11475E	201 202	1770	< 1	1.67	52	1850	90	202	0.54	152	< 10	192			
L10600N 11500E	201 202	1660	< 1	1.53	47	2000	70	186	0.54	164	< 10	162			
L10800N 10000E	201 202	680	1	2.40	37	1020	46	389	0.45	95	< 10	162			
L10800N 10025E	201 202	840	3	2.11	19	2080	36	196	0.60	101	< 10	100			
L10800N 10050E	201 202	1815	< 1	1.37	36	1540	682	156	0.44	164	< 10	716			
L10800N 10100E	201 202	2680	< 1	1.34	44	1280	924	140	0.48	191	< 10	982			
L10800N 10125E	201 202	1425	3	1.86	63	1260	260	268	0.46	156	< 10	368			
L10800N 10150E	201 202	1995	3	1.53	66	1810	366	169	0.45	177	< 10	584			
L10800N 10175E	201 202	1905	3	1.55	60	1620	240	165	0.46	180	< 10	446			
L10800N 10200E	201 202	1740	8	1.44	82	1720	172	180	0.41	145	< 10	302			
L10800N 10250E	201 202	2480	19	0.96	181	2000	144	97	0.36	141	< 10	436			
L10800N 10275E	201 202	2590	10	1.15	66	1860	88	106	0.50	172	< 10	228			
L10800N 10300E	201 202	1820	4	1.56	60	2100	98	160	0.50	145	< 10	166			
L10800N 10325E	201 202	2240	< 1	1.67	46	1400	184	180	0.53	214	< 10	224			
L10800N 10350E	201 202	2300	< 1	1.54	41	1340	344	158	0.49	213	< 10	324			
L10800N 10375E	201 202	3070	2	1.12	58	1560	300	115	0.41	195	< 10	308			
L10800N 10400E	201 202	2240	< 1	1.61	52	830	266	140	0.56	218	< 10	426			
L10800N 10425E	201 202	1610	< 1	1.38	41	1310	50	135	0.53	208	< 10	118			
L10800N 10450E	201 202	1865	< 1	1.16	34	1940	48	132	0.44	203	< 10	96			
L10800N 10475E	201 202	1555	< 1	1.05	33	2950	40	138	0.40	224	< 10	90			
L10800N 10500E	201 202	2230	< 1	1.19	62	590	20	122	0.41	223	< 10	90			
L10800N 10525E	201 202	1515	< 1	1.11	49	630	34	154	0.50	282	< 10	112			
L10800N 10550E	201 202	1415	< 1	1.64	45	1040	30	192	0.54	246	< 10	106			
L10800N 10575E	201 202	2630	< 1	1.29	40	1570	780	186	0.48	208	< 10	1020			

CERTIFICATION: _____



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: BOLIDEN - WESTMIN LIMITED
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P.O. BOX 49066, STE. 904 - 1055 DUNSMUIR ST.
VANCOUVER, BC
V7X 1C4

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Certificate Date: 25-SEP-1998
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P.O. Number : 6112
Account : GP D

Project : BEALE
Comments : ATTN:DAVID TERRY CC:DAVID PAWLIUK

CERTIFICATE OF ANALYSIS A9830791

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)
L10800N 10600E	201 202	< 5	1.0	7.82	1300	1.5	< 2	1.13	2.5	27	63	133	5.32	1.49	2.56
L10800N 10625E	201 202	< 5	0.4	7.96	1210	2.0	< 2	1.04	2.0	30	85	113	5.20	1.72	2.43
L10800N 10650E	201 202	< 5	0.8	7.73	1020	2.0	< 2	0.73	2.0	26	77	89	5.07	1.66	2.09
L10800N 10675E	201 202	< 5	0.2	7.58	1050	2.0	< 2	1.07	0.5	30	70	169	5.11	1.62	1.96
L10800N 10700E	201 202	< 5	0.6	8.10	1110	2.0	< 2	0.98	1.5	33	73	187	5.30	1.66	2.05
L10800N 10725E	201 202	< 5	0.2	7.82	920	2.5	< 2	1.74	1.5	26	82	88	4.67	1.62	2.20
L10800N 10750E	201 202	< 5	0.2	7.80	1000	2.5	< 2	1.43	0.5	23	78	56	4.66	1.76	1.75
L10800N 10775E	201 202	< 5	0.2	7.74	830	2.5	< 2	1.00	0.5	19	80	62	4.73	1.80	1.51
L10800N 10800E	201 202	< 5	0.2	7.37	920	2.0	< 2	1.29	0.5	17	66	31	3.76	1.63	1.16
L10800N 10825E	201 202	< 5	< 0.2	7.09	660	2.5	< 2	1.02	< 0.5	13	62	6	4.03	1.68	0.60
L10800N 10850E	201 202	< 5	< 0.2	7.98	780	2.5	< 2	1.01	0.5	15	83	25	4.72	1.86	1.13
L10800N 10875E	201 202	< 5	1.6	7.59	1050	2.5	< 2	1.31	1.0	15	69	24	4.12	1.58	1.46
L10800N 10900E	201 202	< 5	1.4	7.13	650	2.5	< 2	1.01	0.5	10	47	3	3.70	1.59	0.56
L10800N 10925E	201 202	< 5	0.2	7.59	1160	2.0	< 2	1.65	1.0	15	83	34	3.86	1.72	1.33
L10800N 10950E	201 202	< 5	< 0.2	7.45	750	2.5	< 2	1.28	< 0.5	15	84	29	4.24	1.39	1.29
L10800N 10975E	201 202	< 5	< 0.2	6.65	750	2.0	< 2	1.16	0.5	11	65	14	3.61	1.48	0.89
L10800N 11000E	201 202	< 5	< 0.2	7.31	930	2.5	< 2	1.73	2.5	17	76	38	4.10	1.51	1.62
L10800N 11025E	201 202	< 5	< 0.2	7.92	630	3.0	< 2	1.47	< 0.5	18	72	20	4.40	1.72	1.09
L10800N 11050E	201 202	< 5	0.6	7.74	730	3.0	< 2	1.25	0.5	19	82	29	4.71	1.79	1.40
L10800N 11075E	201 202	< 5	< 0.2	7.39	850	2.0	< 2	1.06	0.5	23	70	72	4.51	1.52	1.75
L10800N 11100E	201 202	< 5	< 0.2	8.15	750	2.5	< 2	1.36	0.5	28	102	49	5.41	1.84	1.81
L10800N 11125E	201 202	< 5	< 0.2	7.78	640	2.0	< 2	1.05	< 0.5	23	105	51	5.32	1.61	1.64
L10800N 11150E	201 202	< 5	< 0.2	8.17	800	2.5	< 2	1.31	< 0.5	27	104	62	5.24	1.70	1.81
L10800N 11175E	201 202	< 5	< 0.2	8.48	850	2.0	< 2	1.31	0.5	36	117	91	5.72	1.76	2.09
L10800N 11200E	201 202	10	< 0.2	8.09	760	2.0	6	1.17	< 0.5	31	107	81	5.77	1.76	1.85
L10800N 11225E	201 202	10	< 0.2	8.29	650	2.0	< 2	1.12	< 0.5	44	142	112	6.42	1.49	2.19
L10800N 11250E	201 202	20	0.2	7.33	850	1.5	< 2	1.62	0.5	46	103	90	5.43	1.28	1.78
L10800N 11275E	201 202	< 5	< 0.2	8.26	860	2.0	< 2	1.56	0.5	33	115	52	4.88	1.71	1.89
L10800N 11300E	201 202	< 5	0.2	8.84	1030	2.5	< 2	0.94	0.5	23	45	41	3.14	1.54	1.35
L10800N 11325E	201 202	< 5	< 0.2	8.90	1280	2.0	< 2	1.26	0.5	20	64	33	3.85	1.94	1.26
L10800N 11350E	201 202	< 5	0.2	8.17	1040	2.0	< 2	1.41	0.5	20	77	36	4.04	1.72	1.32
L10800N 11375E	201 202	< 5	0.6	8.42	1080	2.5	< 2	1.55	0.5	19	96	31	4.07	1.79	1.38
L10800N 11400E	201 202	< 5	0.2	7.39	950	2.0	< 2	1.02	< 0.5	15	70	14	3.33	1.59	1.08
L10800N 11425E	201 202	< 5	< 0.2	8.15	950	2.0	2	1.34	0.5	21	85	30	4.07	1.69	1.48
L10800N 11450E	201 202	< 5	< 0.2	8.04	1040	2.0	< 2	1.13	< 0.5	19	83	26	3.68	1.57	1.27
L10800N 11475E	201 202	< 5	0.4	9.57	1730	2.5	< 2	1.39	2.5	16	35	19	3.17	1.90	1.55
L10800N 11500E	201 202	< 5	< 0.2	8.35	1250	2.5	< 2	1.13	1.0	16	61	24	3.73	1.65	1.23
L11000N 10000E	201 202	< 5	0.2	7.25	790	2.5	< 2	1.23	< 0.5	9	48	6	3.25	1.70	0.58
L11000N 10025E	201 202	< 5	0.6	8.46	1030	3.0	< 2	1.37	1.5	25	83	59	4.68	2.16	1.30
L11000N 10050E	201 202	25	0.8	8.85	1200	3.0	< 2	1.04	2.0	35	92	106	5.34	2.26	1.64

CERTIFICATION:



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
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CERTIFICATE OF ANALYSIS A9830791

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)			
L10800N 10600E	201 202	1920	< 1	1.51	45	1260	244	179	0.49	210	< 10	530			
L10800N 10625E	201 202	2110	< 1	1.56	59	1010	218	173	0.51	184	< 10	304			
L10800N 10650E	201 202	2260	< 1	1.35	47	1710	256	128	0.47	176	< 10	452			
L10800N 10675E	201 202	1405	< 1	1.51	47	1230	120	181	0.44	162	< 10	210			
L10800N 10700E	201 202	1695	< 1	1.54	48	1400	138	184	0.46	171	< 10	232			
L10800N 10725E	201 202	1770	1	1.72	49	2440	94	317	0.46	155	< 10	192			
L10800N 10750E	201 202	1490	1	1.77	40	2170	88	273	0.49	145	< 10	178			
L10800N 10775E	201 202	1350	1	1.71	41	1720	84	174	0.48	128	< 10	174			
L10800N 10800E	201 202	940	1	1.82	29	2490	48	282	0.42	107	< 10	102			
L10800N 10825E	201 202	985	1	1.95	17	2070	26	228	0.45	78	< 10	84			
L10800N 10850E	201 202	1030	1	1.82	29	2270	38	216	0.52	126	< 10	164			
L10800N 10875E	201 202	1585	< 1	1.77	29	2370	1225	298	0.40	124	< 10	318			
L10800N 10900E	201 202	705	1	1.89	15	2310	30	230	0.41	68	< 10	76			
L10800N 10925E	201 202	1075	2	1.48	32	2060	88	248	0.41	112	< 10	252			
L10800N 10950E	201 202	835	< 1	1.49	35	1950	62	229	0.47	113	< 10	132			
L10800N 10975E	201 202	885	1	1.62	20	2080	28	280	0.42	101	< 10	70			
L10800N 11000E	201 202	1020	< 1	1.76	34	2430	108	369	0.43	126	< 10	976			
L10800N 11025E	201 202	955	1	2.07	36	2110	60	223	0.46	83	< 10	118			
L10800N 11050E	201 202	1120	1	2.01	45	1640	114	208	0.47	104	< 10	180			
L10800N 11075E	201 202	1305	< 1	1.58	36	1740	80	223	0.45	137	< 10	206			
L10800N 11100E	201 202	1500	< 1	1.79	53	2380	42	258	0.54	147	< 10	144			
L10800N 11125E	201 202	1135	1	1.54	50	2360	34	181	0.55	145	< 10	112			
L10800N 11150E	201 202	1160	1	1.66	58	2210	40	247	0.50	149	< 10	122			
L10800N 11175E	201 202	1495	< 1	1.64	69	1960	42	245	0.56	164	< 10	126			
L10800N 11200E	201 202	1355	< 1	1.65	60	1810	34	193	0.59	148	< 10	110			
L10800N 11225E	201 202	1635	< 1	1.76	83	1490	36	158	0.58	150	< 10	108			
L10800N 11250E	201 202	1330	< 1	1.85	66	1050	46	250	0.54	131	< 10	94			
L10800N 11275E	201 202	1270	< 1	1.92	88	1570	42	249	0.55	129	< 10	114			
L10800N 11300E	201 202	1610	< 1	1.47	25	720	96	165	0.36	102	< 10	114			
L10800N 11325E	201 202	1420	< 1	2.11	34	1000	112	272	0.43	107	< 10	208			
L10800N 11350E	201 202	1120	< 1	2.05	43	1170	124	251	0.46	113	< 10	126			
L10800N 11375E	201 202	1130	< 1	2.21	59	1190	56	284	0.44	121	< 10	118			
L10800N 11400E	201 202	735	< 1	1.98	38	1280	24	213	0.38	97	< 10	72			
L10800N 11425E	201 202	1070	< 1	1.92	49	1210	44	234	0.47	112	< 10	106			
L10800N 11450E	201 202	1295	< 1	1.81	53	840	66	221	0.42	111	< 10	118			
L10800N 11475E	201 202	2790	< 1	1.73	17	690	268	291	0.33	91	< 10	348			
L10800N 11500E	201 202	1755	< 1	1.77	34	980	164	289	0.39	99	< 10	320			
L11000N 10000E	201 202	635	2	2.14	19	1840	26	279	0.35	63	< 10	70			
L11000N 10025E	201 202	1320	2	1.99	60	1920	118	283	0.45	123	< 10	276			
L11000N 10050E	201 202	1870	4	1.70	82	1610	144	225	0.45	147	< 10	346			

CERTIFICATION: _____



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SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
L11000N 10075E	201 202	< 5	0.8	8.43	1340	2.5	< 2	0.90	2.5	32	108	121	5.42	2.22	2.05
L11000N 10125E	201 202	< 5	0.2	8.40	980	1.5	2	0.52	3.0	40	84	94	6.07	1.80	3.36
L11000N 10150E	201 202	< 5	0.8	7.22	890	1.5	2	1.09	4.0	43	89	158	5.31	1.51	2.52
L11000N 10175E	201 202	< 5	0.2	7.62	930	2.5	< 2	1.20	0.5	30	86	80	4.64	1.75	1.62
L11000N 10200E	201 202	< 5	1.6	7.92	860	2.5	< 2	1.22	5.5	40	100	116	5.32	1.91	1.89
L11000N 10225E	201 202	< 5	0.4	7.07	700	2.0	6	1.31	2.0	42	111	84	4.96	1.77	1.73
L11000N 10250E	201 202	< 5	1.2	7.53	750	2.0	6	1.10	2.5	40	122	100	5.19	2.08	1.88
L11000N 10275E	201 202	< 5	0.2	7.51	890	2.5	2	1.30	1.0	36	88	60	5.07	1.68	1.47
L11000N 10300E	201 202	< 5	1.0	7.93	780	2.0	< 2	1.12	1.5	51	80	77	4.79	1.73	1.67
L11000N 10325E	201 202	< 5	0.8	6.71	590	2.0	2	1.01	2.0	48	73	86	5.74	2.32	1.61
L11000N 10350E	201 202	< 5	1.0	6.64	710	2.0	8	0.82	3.0	86	114	92	5.20	1.62	1.35
L11000N 10375E	201 202	< 5	0.2	6.98	650	1.0	< 2	1.32	< 0.5	30	167	168	3.52	0.95	2.05
L11000N 10400E	201 202	< 5	0.8	7.09	820	1.5	< 2	1.02	2.0	49	105	333	4.49	1.17	1.59
L11000N 10425E	201 202	< 5	0.4	7.49	640	2.5	8	1.08	2.0	63	131	138	5.85	1.27	2.37
L11000N 10450E	201 202	< 5	< 0.2	7.14	770	1.5	< 2	2.07	0.5	32	176	71	4.92	1.38	2.29
L11000N 10475E	201 202	< 5	0.6	9.77	1140	3.0	< 2	0.78	0.5	27	47	59	2.86	2.84	1.71
L11000N 10500E	201 202	< 5	0.2	7.58	870	2.0	6	1.38	0.5	42	105	245	5.02	1.52	1.82
L11000N 10525E	201 202	< 5	0.2	7.36	1090	2.5	< 2	1.22	0.5	26	98	127	4.50	1.51	1.48
L11000N 10550E	201 202	< 5	0.2	7.64	1140	2.5	< 2	1.23	1.0	32	86	141	4.33	1.53	1.53
L11000N 10575E	201 202	< 5	0.4	7.57	1090	2.0	6	1.69	1.0	51	97	177	5.03	1.49	1.77
L11000N 10600E	201 202	< 5	0.2	7.98	960	2.5	< 2	1.49	0.5	43	98	163	5.07	1.64	1.68
L11000N 10625E	201 202	< 5	0.4	7.99	1000	2.5	10	1.27	0.5	44	108	165	5.01	1.65	1.79
L11000N 10650E	201 202	< 5	0.2	7.84	880	2.5	< 2	1.54	0.5	29	95	109	4.93	1.73	1.54
L11000N 10675E	201 202	< 5	1.6	7.66	1180	2.0	8	1.34	1.5	49	236	133	5.46	1.52	2.87
L11000N 10700E	201 202	< 5	2.6	7.69	1350	2.0	< 2	1.33	2.0	51	228	166	5.53	1.52	2.78
L11000N 10725E	201 202	< 5	0.8	7.71	1070	2.0	8	1.55	1.5	44	249	101	5.29	1.63	2.93
L11000N 10750E	201 202	< 5	< 0.2	7.77	1090	3.0	< 2	1.58	0.5	14	56	36	3.06	2.02	1.10
L11000N 10775E	201 202	< 5	< 0.2	7.91	850	2.5	2	1.59	< 0.5	14	80	21	3.97	1.74	1.31
L11000N 10800E	201 202	< 5	< 0.2	8.64	1220	3.0	< 2	2.01	1.0	17	70	31	3.72	2.03	1.40
L11000N 10825E	201 202	< 5	1.4	9.42	1320	3.0	< 2	1.38	3.0	17	69	92	3.72	1.99	1.64
L11000N 10850E	201 202	< 5	< 0.2	8.76	1440	2.0	< 2	1.26	0.5	16	56	55	3.16	2.13	1.55
L11000N 10875E	201 202	< 5	< 0.2	9.14	1690	2.5	< 2	1.36	0.5	20	70	62	3.60	2.04	1.47
L11000N 10900E	201 202	< 5	< 0.2	8.76	1960	2.5	< 2	1.73	0.5	22	69	55	3.49	1.93	1.56
L11000N 10975E	201 202	< 5	< 0.2	6.67	910	1.5	6	1.09	0.5	16	67	34	3.56	1.45	1.03
L11000N 11000E	201 202	< 5	< 0.2	7.68	1170	2.5	< 2	1.29	0.5	24	77	65	4.43	1.66	1.37
L11000N 11025E	201 202	< 5	< 0.2	7.80	1250	2.0	< 2	1.73	0.5	22	85	107	4.50	1.84	1.66
L11000N 11050E	201 202	< 5	< 0.2	8.51	540	3.0	< 2	1.45	< 0.5	21	90	17	5.04	1.71	1.25
L11000N 11075E	201 202	< 5	< 0.2	7.11	1040	2.0	< 2	1.12	0.5	18	62	30	3.50	1.62	1.28
L11000N 11100E	201 202	5	< 0.2	7.66	1440	2.5	< 2	1.59	0.5	16	63	37	3.46	1.54	1.24
L11000N 11125E	201 202	< 5	< 0.2	9.00	1150	2.5	< 2	1.61	1.0	14	57	27	3.15	1.66	1.46

CERTIFICATION: Hart Buchler



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: BOLIDEN - WESTMIN LIMITED
 ATTN: DAVID TERRY
 P.O. BOX 49066, STE. 904 - 1055 DUNSMUIR ST.
 VANCOUVER, BC
 V7X 1C4

Page No. : 4-B
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 Certificate Date: 25-SEP-1998
 Invoice No. : 19830791
 P.O. Number : 6112
 Account : GP D

Project : BEALE
 Comments: ATTN:DAVID TERRY CC:DAVID PAWLIUK

CERTIFICATE OF ANALYSIS A9830791

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)			
L11000N 10075E	201 202	1925	3	0.92	82	1930	252	126	0.44	181	< 10	488			
L11000N 10125E	201 202	2590	< 1	1.23	51	1140	134	100	0.35	205	< 10	232			
L11000N 10150E	201 202	3600	2	0.96	62	1540	112	125	0.30	163	< 10	322			
L11000N 10175E	201 202	1630	1	1.44	58	1570	240	214	0.43	135	< 10	242			
L11000N 10200E	201 202	2380	1	1.13	75	1770	468	146	0.45	151	< 10	758			
L11000N 10225E	201 202	2150	1	0.96	75	1910	176	131	0.46	134	< 10	288			
L11000N 10250E	201 202	2360	1	0.77	97	1240	214	105	0.45	133	< 10	436			
L11000N 10275E	201 202	1545	1	1.38	69	1500	164	236	0.46	134	< 10	322			
L11000N 10300E	201 202	2450	< 1	0.98	66	940	146	98	0.42	121	< 10	238			
L11000N 10325E	201 202	3760	< 1	0.39	82	1080	100	70	0.41	96	< 10	250			
L11000N 10350E	201 202	3160	2	1.11	112	1010	430	134	0.46	123	< 10	664			
L11000N 10375E	201 202	2600	< 1	0.98	107	520	42	146	0.29	100	< 10	94			
L11000N 10400E	201 202	5380	2	0.92	126	870	100	120	0.37	119	< 10	206			
L11000N 10425E	201 202	4330	< 1	0.81	81	1290	936	118	0.56	205	< 10	250			
L11000N 10450E	201 202	1630	< 1	1.60	115	890	272	230	0.61	158	< 10	206			
L11000N 10475E	201 202	2240	< 1	1.04	27	840	68	113	0.41	103	< 10	78			
L11000N 10500E	201 202	1880	< 1	1.53	71	1470	128	214	0.54	155	< 10	186			
L11000N 10525E	201 202	2040	< 1	1.57	60	1530	280	212	0.47	130	< 10	254			
L11000N 10550E	201 202	2240	< 1	1.64	59	1760	220	261	0.44	127	< 10	238			
L11000N 10575E	201 202	2160	1	1.76	94	1770	146	410	0.50	146	< 10	194			
L11000N 10600E	201 202	1975	1	1.81	85	2010	152	310	0.51	140	< 10	206			
L11000N 10625E	201 202	2600	1	1.66	97	1670	226	240	0.51	139	< 10	258			
L11000N 10650E	201 202	1740	1	1.90	56	2080	144	296	0.51	134	< 10	194			
L11000N 10675E	201 202	4000	< 1	1.31	199	1420	686	173	0.60	154	< 10	522			
L11000N 10700E	201 202	4150	< 1	1.36	187	1360	892	171	0.58	158	< 10	650			
L11000N 10725E	201 202	3180	< 1	1.48	196	1510	334	214	0.60	142	< 10	322			
L11000N 10750E	201 202	795	1	2.19	40	1620	52	372	0.34	100	< 10	130			
L11000N 10775E	201 202	690	1	1.96	38	2300	40	323	0.48	113	< 10	104			
L11000N 10800E	201 202	1005	< 1	2.16	37	2210	162	420	0.44	109	< 10	298			
L11000N 10825E	201 202	1815	< 1	1.38	35	1460	1735	238	0.41	120	< 10	1880			
L11000N 10850E	201 202	1325	< 1	1.41	23	1190	108	226	0.39	98	< 10	150			
L11000N 10875E	201 202	1720	< 1	1.40	38	990	132	270	0.41	105	< 10	178			
L11000N 10900E	201 202	1675	< 1	1.60	36	1100	184	329	0.42	103	< 10	260			
L11000N 10975E	201 202	1220	< 1	1.33	26	1950	48	200	0.43	105	< 10	112			
L11000N 11000E	201 202	1790	< 1	1.51	37	1600	72	239	0.48	117	< 10	166			
L11000N 11025E	201 202	1305	< 1	1.85	50	1200	58	284	0.47	129	< 10	120			
L11000N 11050E	201 202	1000	< 1	1.89	50	1610	22	162	0.61	94	< 10	90			
L11000N 11075E	201 202	1545	< 1	1.39	28	1940	52	224	0.40	104	< 10	102			
L11000N 11100E	201 202	1430	< 1	1.40	29	1590	104	326	0.42	99	< 10	156			
L11000N 11125E	201 202	1215	< 1	1.25	24	1170	266	255	0.37	102	< 10	454			

CERTIFICATION: *David Buckley*



Chemex Labs Ltd.

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CERTIFICATE OF ANALYSIS A9830791

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)
L11000N 11150E	201 202	< 5	0.8	8.16	1310	3.0	< 2	1.57	0.5	32	90	206	5.68	1.60	1.29
L11000N 11175E	201 202	< 5	< 0.2	7.56	850	2.5	< 2	1.51	0.5	19	90	31	4.75	1.68	1.22
L11000N 11200E	201 202	< 5	< 0.2	7.87	1010	3.0	< 2	2.00	0.5	22	83	43	4.24	1.67	1.53
L11000N 11225E	201 202	< 5	< 0.2	8.71	1230	3.0	< 2	2.10	0.5	22	83	79	4.25	1.84	1.83
L11000N 11275E	201 202	< 5	< 0.2	8.56	1180	3.0	< 2	2.17	0.5	21	91	63	4.29	1.97	1.76
L11000N 11325E	201 202	< 5	< 0.2	7.48	810	2.5	< 2	1.87	0.5	23	100	29	4.72	1.35	1.51
L11000N 11350E	201 202	< 5	< 0.2	8.55	1000	2.5	< 2	1.66	0.5	20	91	26	4.80	1.85	1.59
L11000N 11375E	201 202	< 5	< 0.2	8.13	1210	2.5	< 2	2.13	0.5	22	81	40	3.90	1.89	1.52
L11000N 11425E	201 202	< 5	< 0.2	9.01	1710	2.5	< 2	2.00	0.5	17	69	46	3.58	1.90	1.56
L11000N 11450E	201 202	< 5	< 0.2	8.19	1310	2.5	< 2	1.82	0.5	16	76	72	3.56	1.62	1.36
L11000N 11475E	201 202	10	< 0.2	8.07	1120	2.0	< 2	1.39	< 0.5	20	78	25	3.62	1.80	1.34
L11200N 10000E	201 202	< 5	< 0.2	7.20	840	2.0	< 2	0.96	0.5	15	79	37	4.30	1.65	1.31
L11200N 10025E	201 202	< 5	< 0.2	8.18	1040	2.5	< 2	1.37	1.0	26	95	96	4.68	1.88	1.83
L11200N 10050E	201 202	< 5	< 0.2	8.55	1240	2.5	< 2	1.65	2.0	22	87	52	4.79	2.11	1.83
L11200N 10150E	201 202	5	< 0.2	8.69	1020	2.5	< 2	1.24	1.5	29	89	76	5.28	2.11	1.71
L11200N 10175E	201 202	< 5	0.6	8.62	1020	2.5	< 2	1.46	1.5	31	93	100	5.49	1.96	2.04
L11200N 10200E	201 202	< 5	0.4	7.37	890	1.5	< 2	1.21	1.5	29	89	99	5.01	1.68	2.01
L11200N 10225E	201 202	< 5	0.8	8.04	910	2.0	< 2	1.14	1.0	34	99	139	5.54	1.85	2.18
L11200N 10250E	201 202	< 5	0.6	7.77	890	2.0	< 2	1.16	1.5	30	87	139	5.04	1.63	2.11
L11200N 10275E	201 202	< 5	< 0.2	8.07	1150	2.0	2	1.31	0.5	26	93	61	4.67	1.80	2.04
L11200N 10300E	201 202	< 5	0.8	7.82	880	1.5	< 2	1.89	1.5	35	113	155	5.52	1.69	2.32
L11200N 10325E	201 202	< 5	0.6	8.37	910	2.0	< 2	1.72	0.5	46	120	206	5.95	1.67	2.35
L11200N 10350E	201 202	< 5	0.8	7.95	920	1.5	2	2.09	1.5	39	127	160	5.81	1.68	2.36
L11200N 10375E	201 202	< 5	0.2	7.72	700	2.0	2	1.41	0.5	36	112	434	5.80	1.49	1.81
L11200N 10400E	201 202	< 5	< 0.2	7.33	810	1.5	< 2	1.19	< 0.5	38	115	88	5.39	1.50	1.79
L11200N 10500E	201 202	< 5	0.2	7.37	870	2.0	< 2	1.12	< 0.5	16	71	15	3.80	1.58	1.08
L11200N 10525E	201 202	< 5	< 0.2	8.01	1120	2.5	< 2	1.20	0.5	21	71	25	3.88	1.81	1.48
L11200N 10550E	201 202	< 5	< 0.2	7.81	1190	2.5	< 2	1.45	0.5	19	72	24	3.58	1.86	1.50
L11200N 10575E	201 202	< 5	0.2	7.93	1000	2.5	< 2	1.41	0.5	20	78	24	4.40	1.87	1.36
L11200N 10675E	201 202	< 5	0.6	8.58	1870	2.5	< 2	1.28	2.5	16	59	18	3.36	2.05	1.52
L11200N 10700E	201 202	< 5	1.8	8.42	1740	3.0	< 2	1.49	3.5	13	57	32	3.28	1.62	1.38
L11200N 10725E	201 202	< 5	0.6	8.85	1300	3.0	< 2	1.62	1.5	19	79	28	4.52	1.94	1.41
L11200N 10750E	201 202	< 5	0.2	7.52	980	2.5	< 2	1.17	1.0	17	72	17	3.64	1.60	1.15
L11200N 10775E	201 202	< 5	0.2	7.40	1030	2.0	< 2	1.22	1.0	13	70	21	3.57	1.70	1.13
L11200N 10800E	201 202	< 5	0.4	7.00	1160	2.0	< 2	1.35	1.5	16	62	36	3.58	1.52	1.16
L11200N 10825E	201 202	< 5	0.2	7.26	1200	2.5	< 2	1.55	2.0	17	74	57	3.51	1.56	1.17
L11200N 10850E	201 202	< 5	0.6	8.13	1970	2.5	< 2	1.67	2.0	15	75	26	3.46	1.49	1.20
L11200N 10875E	201 202	< 5	< 0.2	8.05	1360	2.5	< 2	1.23	0.5	16	67	36	3.70	1.78	1.25
L11200N 10900E	201 202	< 5	0.2	7.92	1300	2.5	< 2	1.56	0.5	18	86	21	3.95	1.64	1.34
L11200N 10925E	201 202	< 5	< 0.2	8.70	1990	2.5	< 2	1.74	0.5	15	76	53	3.35	1.78	1.40

CERTIFICATION:

David Beckler



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
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CERTIFICATE OF ANALYSIS A9830791

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)			
L11000N 11150E	201 202	2060	2	1.64	59	2090	122	269	0.52	121	< 10	206			
L11000N 11175E	201 202	1205	< 1	1.85	34	2140	34	265	0.57	118	< 10	102			
L11000N 11200E	201 202	1105	< 1	2.02	40	2020	38	365	0.47	119	< 10	102			
L11000N 11225E	201 202	1220	< 1	2.14	41	1800	46	426	0.50	129	< 10	114			
L11000N 11275E	201 202	1075	< 1	2.28	48	1690	48	430	0.50	127	< 10	128			
L11000N 11325E	201 202	1155	< 1	1.80	44	2590	42	351	0.56	141	< 10	118			
L11000N 11350E	201 202	1315	< 1	2.09	42	2270	68	346	0.53	130	< 10	216			
L11000N 11375E	201 202	910	< 1	2.24	51	1540	36	410	0.50	115	< 10	84			
L11000N 11425E	201 202	1380	< 1	2.01	35	1060	134	395	0.44	111	< 10	204			
L11000N 11450E	201 202	1155	< 1	1.83	39	960	216	354	0.42	111	< 10	228			
L11000N 11475E	201 202	805	< 1	2.08	48	1120	36	259	0.43	109	< 10	84			
L11200N 10000E	201 202	730	1	1.38	36	1740	72	171	0.43	127	< 10	126			
L11200N 10025E	201 202	1335	1	1.69	63	1450	98	238	0.48	142	< 10	240			
L11200N 10050E	201 202	1375	< 1	2.04	51	1100	108	271	0.53	129	< 10	258			
L11200N 10150E	201 202	1550	3	1.82	54	1700	132	208	0.52	147	< 10	230			
L11200N 10175E	201 202	1510	2	1.80	67	1610	166	274	0.52	160	< 10	272			
L11200N 10200E	201 202	1320	2	1.42	63	1070	144	156	0.52	154	< 10	236			
L11200N 10225E	201 202	1595	1	1.43	72	950	162	142	0.51	166	< 10	262			
L11200N 10250E	201 202	1575	1	1.27	60	1360	152	132	0.40	156	< 10	242			
L11200N 10275E	201 202	1580	< 1	1.56	42	1160	102	176	0.51	154	< 10	152			
L11200N 10300E	201 202	1380	1	1.71	75	1160	136	189	0.59	175	< 10	246			
L11200N 10325E	201 202	1765	1	1.59	80	1200	250	180	0.61	187	< 10	400			
L11200N 10350E	201 202	1470	1	1.69	91	1060	290	203	0.67	187	< 10	378			
L11200N 10375E	201 202	1280	3	1.43	73	1380	90	147	0.57	157	< 10	210			
L11200N 10400E	201 202	1750	2	1.19	58	1420	122	136	0.53	175	< 10	166			
L11200N 10500E	201 202	1235	< 1	1.61	22	2230	54	243	0.46	112	< 10	74			
L11200N 10525E	201 202	1330	< 1	1.75	32	1540	74	251	0.46	122	< 10	106			
L11200N 10550E	201 202	1165	< 1	1.93	35	1300	98	296	0.43	112	< 10	142			
L11200N 10575E	201 202	1395	< 1	1.96	35	1920	140	287	0.51	120	< 10	202			
L11200N 10675E	201 202	1675	< 1	1.67	25	920	400	279	0.39	97	< 10	700			
L11200N 10700E	201 202	1530	< 1	1.34	23	1250	876	286	0.35	99	< 10	1600			
L11200N 10725E	201 202	1485	< 1	2.06	40	1860	286	312	0.50	108	< 10	510			
L11200N 10750E	201 202	1150	< 1	1.59	27	1530	88	244	0.47	112	< 10	188			
L11200N 10775E	201 202	1010	1	1.57	24	1440	214	233	0.46	106	< 10	370			
L11200N 10800E	201 202	1500	< 1	1.45	25	1580	408	227	0.42	98	< 10	508			
L11200N 10825E	201 202	1170	< 1	1.61	35	1580	282	268	0.41	96	< 10	304			
L11200N 10850E	201 202	1410	< 1	1.53	40	1330	682	348	0.39	108	< 10	922			
L11200N 10875E	201 202	1260	1	1.58	29	1390	172	228	0.43	102	< 10	286			
L11200N 10900E	201 202	1260	< 1	1.71	45	1630	74	291	0.47	115	< 10	144			
L11200N 10925E	201 202	1140	< 1	1.69	39	1210	112	323	0.41	105	< 10	230			

CERTIFICATION:

David Terry



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: BOLIDEN - WESTMIN LIMITED
 ATTN: DAVID TERRY
 P.O. BOX 49066, STE. 904 - 1055 DUNSMUIR ST.
 VANCOUVER, BC
 V7X 1C4

Page Number : 6-A
 Total Pages : 6
 Certificate Date: 25-SEP-1998
 Invoice No. : 19830791
 P.O. Number : 6112
 Account : GP D

Project : BEALE
 Comments: ATTN:DAVID TERRY CC:DAVID PAWLIUK

CERTIFICATE OF ANALYSIS A9830791

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)
L11200N 11000E	201 202	< 5	0.2	9.74	1420	3.0	< 2	0.77	0.5	22	67	49	3.26	2.18	1.53
L11200N 11025E	201 202	< 5	< 0.2	8.68	1230	2.5	< 2	1.35	0.5	20	78	25	3.66	1.90	1.51
L11200N 11050E	201 202	< 5	< 0.2	8.70	1170	2.0	< 2	1.16	< 0.5	17	77	17	3.48	1.93	1.30
L11200N 11075E	201 202	< 5	< 0.2	7.65	1160	3.0	< 2	2.52	0.5	20	87	11	4.13	1.59	1.63
L11200N 11100E	201 202	< 5	0.2	6.92	620	2.5	< 2	1.19	< 0.5	19	100	7	4.75	1.58	1.12
L11200N 11125E	201 202	< 5	0.6	8.89	1080	3.5	< 2	2.02	1.5	19	89	25	4.61	1.82	1.50
L11200N 11150E	201 202	< 5	0.4	8.70	1050	2.0	< 2	1.81	0.5	20	89	16	4.03	1.84	1.46
L11200N 11175E	201 202	< 5	0.2	9.31	390	6.0	< 2	1.05	< 0.5	12	59	7	5.68	2.35	0.69
L11200N 11200E	201 202	< 5	0.2	8.76	760	3.5	< 2	2.27	< 0.5	23	112	25	5.18	2.17	1.88
L11200N 11225E	201 202	< 5	0.2	9.08	730	4.5	< 2	1.55	0.5	16	80	17	5.07	1.97	1.29
L11200N 11250E	201 202	< 5	< 0.2	8.50	1000	2.5	< 2	1.66	< 0.5	18	80	15	4.26	1.95	1.49
L11200N 11275E	201 202	< 5	< 0.2	8.59	1180	2.5	< 2	2.22	< 0.5	17	70	18	3.89	1.79	1.65
L11200N 11300E	201 202	< 5	0.2	9.04	1050	3.5	< 2	1.56	0.5	17	75	24	4.66	2.07	1.50
L11200N 11325E	201 202	< 5	0.2	8.57	1460	2.0	< 2	1.88	0.5	17	80	17	4.24	2.01	1.53
L11200N 11350E	201 202	< 5	0.2	8.76	1130	3.5	< 2	2.62	0.5	19	80	35	4.56	1.94	1.88
L11200N 11375E	201 202	< 5	0.4	11.95	6470	4.0	< 2	1.54	2.5	16	44	74	3.28	2.05	1.50
L11200N 11400E	201 202	< 5	< 0.2	8.17	1160	2.5	< 2	1.96	1.0	18	72	23	3.49	1.72	1.33
L11200N 11425E	201 202	< 5	< 0.2	9.13	1350	2.5	< 2	1.87	2.0	17	75	17	3.59	1.84	1.45
L11200N 11450E	201 202	< 5	< 0.2	9.26	1260	2.5	< 2	1.04	1.0	16	65	23	3.54	2.09	1.33

CERTIFICATION: _____



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: BOLIDEN - WESTMIN LIMITED
 ATTN: DAVID TERRY
 P.O. BOX 49066, STE. 904 - 1055 DUNSMUIR ST.
 VANCOUVER, BC
 V7X 1C4

Project: BEALE
 Comments: ATTN:DAVID TERRY CC:DAVID PAWLIUK

Page Number: 6-B
 Total Pages: 6
 Certificate Date: 25-SEP-1998
 Invoice No.: 19830791
 P.O. Number: 6112
 Account: GP D

CERTIFICATE OF ANALYSIS A9830791

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)			
L11200N 11000E	201 202	1115	< 1	1.01	28	700	88	137	0.41	105	< 10	88			
L11200N 11025E	201 202	1130	< 1	1.80	39	1140	58	239	0.44	113	< 10	104			
L11200N 11050E	201 202	925	< 1	1.60	35	1100	46	227	0.40	110	< 10	84			
L11200N 11075E	201 202	930	< 1	2.14	48	3470	32	568	0.46	125	< 10	82			
L11200N 11100E	201 202	1000	1	1.76	49	2510	24	218	0.54	102	< 10	86			
L11200N 11125E	201 202	1865	< 1	2.07	45	1900	362	371	0.52	111	< 10	288			
L11200N 11150E	201 202	1285	< 1	1.85	87	1790	158	321	0.46	109	< 10	286			
L11200N 11175E	201 202	1030	3	2.80	30	1520	46	124	0.44	63	< 10	196			
L11200N 11200E	201 202	1250	1	2.58	64	2140	94	332	0.57	114	< 10	186			
L11200N 11225E	201 202	1160	< 1	2.24	40	2010	64	217	0.47	103	< 10	160			
L11200N 11250E	201 202	1030	1	2.13	38	2020	34	287	0.50	114	< 10	102			
L11200N 11275E	201 202	920	< 1	2.23	32	1950	40	457	0.48	118	< 10	106			
L11200N 11300E	201 202	1135	1	2.21	37	1590	54	274	0.49	110	< 10	144			
L11200N 11325E	201 202	1165	< 1	2.15	37	1550	68	316	0.52	110	< 10	136			
L11200N 11350E	201 202	1015	< 1	2.50	39	2170	42	488	0.54	132	< 10	198			
L11200N 11375E	201 202	2760	< 1	0.58	18	710	72	164	0.30	90	< 10	210			
L11200N 11400E	201 202	1095	< 1	1.78	33	1190	70	323	0.43	104	< 10	300			
L11200N 11425E	201 202	1400	< 1	1.87	37	1100	214	325	0.43	112	< 10	440			
L11200N 11450E	201 202	1690	< 1	1.50	29	1080	172	195	0.38	107	< 10	268			

CERTIFICATION: _____



Chemex Labs Ltd.

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

To: BOLIDEN - WESTMIN LIMITED

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

INVOICE NUMBER I 9 8 3 0 7 9 0

BILLING INFORMATION

Date: 22-SEP-98
Project: BEALE
P.O. No.: 6112
Account: GP D

Comments:

Billing: For analysis performed on
Certificate A9830790

Terms: Payment due on receipt of invoice
1.25% per month (15% per annum)
charged on overdue accounts

Please Remit Payments to:

CHEMEX LABS LTD.
212 Brooksbank Ave.,
North Vancouver, B.C.
Canada V7J 2C1

COPY

# OF SAMPLES	ANALYSED FOR CODE - DESCRIPTION	UNIT PRICE	SAMPLE PRICE	AMOUNT
260	201 - Dry, sieve to -80 mesh	1.25		
	202 - save reject	0.85		
	ICP-24	10.50		
	983 - Au ppb FA+AA	9.75	22.35	5811.00
				Total Cost \$ 5811.00
				Client Discount (25%) \$ 1452.75
				Net Cost \$ 4358.25
				(Reg# R100938885) GST \$ 305.08
				TOTAL PAYABLE (CDN) \$ 4663.33



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: BOLIDEN - WESTMIN LIMITED
 ATTN: DAVID TERRY
 P.O. BOX 49066, STE. 904 - 1055 DUNSMUIR ST.
 VANCOUVER, BC
 V7X 1C4

QC Page #: 1-A
 Tot QC Pg: 2
 Date: 22-SEP-1998
 Invoice #: 19830790
 P.O. #: 6112
 GP D

Project: BEALE
 Comments: ATTN:DAVID TERRY CC:DAVID PAWLIUK

QC DATA OF CERTIFICATE A9830790

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)
AY-97	Std1	1	625	----	----	----	----	----	----	----	----	----	----	----	----	----
AY-97	Std1	2	580	----	----	----	----	----	----	----	----	----	----	----	----	----
AY-97	Std1	3	630	----	----	----	----	----	----	----	----	----	----	----	----	----
AY-97	Std1	4	620	----	----	----	----	----	----	----	----	----	----	----	----	----
AY-97	Std1	5	630	----	----	----	----	----	----	----	----	----	----	----	----	----
AY-97	Std1	6	650	----	----	----	----	----	----	----	----	----	----	----	----	----
AY-97	Std1	7	640	----	----	----	----	----	----	----	----	----	----	----	----	----
CHEMEX MEAN	----	----	639	----	----	----	----	----	----	----	----	----	----	----	----	----
BL-C	Blnk	1	< 5	----	----	----	----	----	----	----	----	----	----	----	----	----
BL-C	Blnk	2	< 5	----	----	----	----	----	----	----	----	----	----	----	----	----
BL-C	Blnk	3	< 5	----	----	----	----	----	----	----	----	----	----	----	----	----
BL-C	Blnk	4	< 5	----	----	----	----	----	----	----	----	----	----	----	----	----
BL-C	Blnk	5	< 5	----	----	----	----	----	----	----	----	----	----	----	----	----
BL-C	Blnk	6	< 5	----	----	----	----	----	----	----	----	----	----	----	----	----
CHEMEX MEAN	----	----	< 5	----	----	----	----	----	----	----	----	----	----	----	----	----
G96-TOT	Std1	1	----	----	7.59	1120	1.0	< 2	2.09	1.5	21	94	172	4.64	1.78	0.99
G96-TOT	Std2	1	----	----	7.68	1130	1.0	< 2	2.09	1.5	21	95	174	4.59	1.77	1.00
G96-TOT	Std1	2	----	----	7.43	1110	1.0	< 2	2.03	1.5	21	96	175	4.56	1.72	0.97
G96-TOT	Std2	2	----	----	7.19	1050	1.0	< 2	1.96	1.5	20	92	159	4.37	1.66	0.94
G96-TOT	Std1	3	----	----	7.64	1120	1.0	< 2	2.03	1.5	21	96	177	4.50	1.72	0.99
G96-TOT	Std2	3	----	----	7.45	1090	1.0	< 2	2.01	1.5	20	94	168	4.44	1.73	0.97
G96-TOT	Std1	4	----	----	7.62	1140	1.0	< 2	2.07	1.5	21	96	177	4.67	1.76	1.01
G96-TOT	Std2	4	----	----	7.60	1110	1.0	2	2.07	1.5	21	94	171	4.61	1.78	0.98
G96-TOT	Std1	5	----	----	7.76	1150	1.0	< 2	2.07	1.5	21	97	179	4.63	1.79	1.02
G96-TOT	Std2	5	----	----	8.10	1180	1.5	2	2.17	1.5	21	99	191	4.79	1.90	1.05
G96-TOT	Std1	6	----	----	7.81	1150	1.5	< 2	2.11	1.5	21	96	182	4.73	1.83	1.02
G96-TOT	Std2	6	----	----	7.75	1130	1.0	2	2.08	1.5	21	95	174	4.66	1.84	1.01
G96-TOT	Std1	7	----	----	8.03	1150	1.0	2	2.11	1.5	23	101	184	4.73	1.88	1.04
CHEMEX MEAN	----	----	----	----	7.60	1135	1.1	2	2.13	0.9	17	98	177	4.60	1.82	1.00
GEO-96	Std1	1	----	6.0	----	----	----	----	----	----	----	----	----	----	----	----
GEO-96	Std2	1	----	6.2	----	----	----	----	----	----	----	----	----	----	----	----
GEO-96	Std1	2	----	5.6	----	----	----	----	----	----	----	----	----	----	----	----
GEO-96	Std2	2	----	5.6	----	----	----	----	----	----	----	----	----	----	----	----
GEO-96	Std1	3	----	5.0	----	----	----	----	----	----	----	----	----	----	----	----
GEO-96	Std2	3	----	6.0	----	----	----	----	----	----	----	----	----	----	----	----
GEO-96	Std1	4	----	5.6	----	----	----	----	----	----	----	----	----	----	----	----
GEO-96	Std2	4	----	5.4	----	----	----	----	----	----	----	----	----	----	----	----
GEO-96	Std1	5	----	5.4	----	----	----	----	----	----	----	----	----	----	----	----
GEO-96	Std2	5	----	7.6	----	----	----	----	----	----	----	----	----	----	----	----
GEO-96	Std1	6	----	5.6	----	----	----	----	----	----	----	----	----	----	----	----
GEO-96	Std2	6	----	5.8	----	----	----	----	----	----	----	----	----	----	----	----
GEO-96	Std1	7	----	5.6	----	----	----	----	----	----	----	----	----	----	----	----
CHEMEX MEAN	----	----	----	5.6	----	----	----	----	----	----	----	----	----	----	----	----

CERTIFICATION: *Hart Kichler*



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: BOLIDEN - WESTMIN LIMITED
 ATTN: DAVID TERRY
 P.O. BOX 49066, STE. 904 - 1055 DUNSMUIR ST.
 VANCOUVER, BC
 V7X 1C4

QC Page #: 1-B
 Tot QC Pg: 2
 Date: 22-SEP-1998
 Invoice #: 19830790
 P.O. #: 6112
 GP D

Project: BEALE
 Comments: ATTN:DAVID TERRY CC:DAVID PAWLIUK

QC DATA OF CERTIFICATE A9830790

STD/DUP/BLANK DESCRIPTION	QC TYPE	PAGE 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)			
AY-97	Std1	1	----	----	----	----	----	----	----	----	----	----	----			
AY-97	Std1	2	----	----	----	----	----	----	----	----	----	----	----			
AY-97	Std1	3	----	----	----	----	----	----	----	----	----	----	----			
AY-97	Std1	4	----	----	----	----	----	----	----	----	----	----	----			
AY-97	Std1	5	----	----	----	----	----	----	----	----	----	----	----			
AY-97	Std1	6	----	----	----	----	----	----	----	----	----	----	----			
AY-97	Std1	7	----	----	----	----	----	----	----	----	----	----	----			
CHEMEX MEAN	---	---	----	----	----	----	----	----	----	----	----	----	----			
BL-C	Blnk	1	----	----	----	----	----	----	----	----	----	----	----			
BL-C	Blnk	2	----	----	----	----	----	----	----	----	----	----	----			
BL-C	Blnk	3	----	----	----	----	----	----	----	----	----	----	----			
BL-C	Blnk	4	----	----	----	----	----	----	----	----	----	----	----			
BL-C	Blnk	5	----	----	----	----	----	----	----	----	----	----	----			
BL-C	Blnk	6	----	----	----	----	----	----	----	----	----	----	----			
CHEMEX MEAN	---	---	----	----	----	----	----	----	----	----	----	----	----			
G96-TOT	Std1	1	1040	8	0.96	25	600	-----	236	0.36	162	< 10	186			
G96-TOT	Std2	1	1040	8	0.97	25	600	-----	237	0.33	164	< 10	190			
G96-TOT	Std1	2	1035	8	0.96	24	580	-----	232	0.35	159	< 10	190			
G96-TOT	Std2	2	990	7	0.91	24	570	-----	218	0.33	155	< 10	178			
G96-TOT	Std1	3	1040	8	0.94	24	600	-----	233	0.34	164	< 10	190			
G96-TOT	Std2	3	1005	7	0.99	24	580	-----	226	0.34	157	< 10	188			
G96-TOT	Std1	4	1045	7	1.00	25	600	-----	238	0.36	165	< 10	196			
G96-TOT	Std2	4	1020	8	1.00	24	590	-----	228	0.34	162	< 10	188			
G96-TOT	Std1	5	1025	8	1.00	25	580	-----	238	0.35	167	< 10	192			
G96-TOT	Std2	5	1080	8	1.09	26	620	-----	246	0.37	172	< 10	210			
G96-TOT	Std1	6	1070	7	1.03	25	600	-----	241	0.36	166	< 10	196			
G96-TOT	Std2	6	1045	8	1.04	24	600	-----	237	0.36	165	< 10	190			
G96-TOT	Std1	7	1080	8	1.17	26	620	-----	246	0.37	167	< 10	202			
CHEMEX MEAN	---	---	1025	8	1.00	24	624	-----	236	0.34	160	< 10	185			
GEO-96	Std1	1	----	----	----	----	----	132	----	----	----	----	----			
GEO-96	Std2	1	----	----	----	----	----	136	----	----	----	----	----			
GEO-96	Std1	2	----	----	----	----	----	136	----	----	----	----	----			
GEO-96	Std2	2	----	----	----	----	----	132	----	----	----	----	----			
GEO-96	Std1	3	----	----	----	----	----	138	----	----	----	----	----			
GEO-96	Std2	3	----	----	----	----	----	136	----	----	----	----	----			
GEO-96	Std1	4	----	----	----	----	----	134	----	----	----	----	----			
GEO-96	Std2	4	----	----	----	----	----	142	----	----	----	----	----			
GEO-96	Std1	5	----	----	----	----	----	144	----	----	----	----	----			
GEO-96	Std2	5	----	----	----	----	----	140	----	----	----	----	----			
GEO-96	Std1	6	----	----	----	----	----	136	----	----	----	----	----			
GEO-96	Std2	6	----	----	----	----	----	146	----	----	----	----	----			
GEO-96	Std1	7	----	----	----	----	----	142	----	----	----	----	----			
CHEMEX MEAN	---	---	----	----	----	----	----	125	----	----	----	----	----			

CERTIFICATION: *David Kishler*



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: BOLIDEN - WESTMIN LIMITED
 ATTN: DAVID TERRY
 P.O. BOX 49066, STE. 904 · 1055 DUNSMUIR ST.
 VANCOUVER, BC
 V7X 1C4

QC Pa. 2-A
 Tot QC Pg. 2
 Date: 22-SEP-1998
 Invoice #: 19830790
 P.O. #: 6112
 GPD

Project: BEALE
 Comments: ATTN:DAVID TERRY CC:DAVID PAWLIUK

QC DATA OF CERTIFICATE A9830790

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)
RV-98	Std2	1	530	----	----	----	----	----	----	----	----	----	----	----	----	----
RV-98	Std2	2	515	----	----	----	----	----	----	----	----	----	----	----	----	----
RV-98	Std2	3	510	----	----	----	----	----	----	----	----	----	----	----	----	----
RV-98	Std2	4	500	----	----	----	----	----	----	----	----	----	----	----	----	----
RV-98	Std2	5	540	----	----	----	----	----	----	----	----	----	----	----	----	----
RV-98	Std2	6	560	----	----	----	----	----	----	----	----	----	----	----	----	----
CHEMEX MEAN	----	----	522	----	----	----	----	----	----	----	----	----	----	----	----	----
SIO2-3	Blnk	1	----	< 0.2	----	----	----	----	----	----	----	----	----	----	----	----
SIO2-3	Blnk	2	----	< 0.2	----	----	----	----	----	----	----	----	----	----	----	----
SIO2-3	Blnk	3	----	< 0.2	----	----	----	----	----	----	----	----	----	----	----	----
SIO2-3	Blnk	4	----	< 0.2	----	----	----	----	----	----	----	----	----	----	----	----
SIO2-3	Blnk	5	----	< 0.2	----	----	----	----	----	----	----	----	----	----	----	----
SIO2-3	Blnk	6	----	< 0.2	----	----	----	----	----	----	----	----	----	----	----	----
CHEMEX MEAN	----	----	----	0.2	----	----	----	----	----	----	----	----	----	----	----	----
SIO2-T5	Blnk	1	----	----	0.26	20	< 0.5	< 2	0.03	< 0.5	< 1	4	3	0.07	0.05	0.01
SIO2-T5	Blnk	2	----	----	0.25	20	< 0.5	< 2	0.02	< 0.5	< 1	5	2	0.09	0.05	0.01
SIO2-T5	Blnk	3	----	----	0.25	20	< 0.5	< 2	0.03	< 0.5	< 1	4	1	0.06	0.04	0.01
SIO2-T5	Blnk	4	----	----	0.26	20	< 0.5	< 2	0.02	< 0.5	< 1	4	3	0.07	0.05	0.01
SIO2-T5	Blnk	5	----	----	0.25	20	< 0.5	< 2	0.02	< 0.5	< 1	4	17	0.07	0.04	0.01
SIO2-T5	Blnk	6	----	----	0.23	20	< 0.5	< 2	0.02	< 0.5	< 1	4	6	0.05	0.04	0.01
CHEMEX MEAN	----	----	----	----	0.25	21	----	----	0.02	----	1	4	3	0.06	0.04	0.01
L9600N 11500E	Dup1-01	----	----	1.2	6.71	310	1.5	< 2	0.71	< 0.5	13	91	9	6.51	1.68	0.59
	Orig1-01	< 5	1.0	6.44	300	1.5	< 2	0.68	< 0.5	12	94	9	6.26	1.65	0.55	
L9800N 11775E	Dup2-01	----	0.8	7.94	930	2.5	< 2	0.78	1.0	18	94	66	4.16	1.89	1.37	
	Orig2-01	< 5	1.0	8.13	930	2.5	< 2	0.79	1.0	18	93	65	4.12	1.90	1.38	
L10000N 10550E	Dup3-01	----	0.6	5.95	680	1.5	< 2	0.78	0.5	9	65	13	3.00	1.43	0.67	
	Orig3-01	< 5	0.4	5.94	670	1.5	< 2	0.77	< 0.5	9	65	15	2.97	1.39	0.67	
L10000N 11550E	Dup4-01	----	1.8	8.32	1040	3.0	< 2	0.92	2.0	32	89	73	4.72	1.90	1.17	
	Orig4-01	5	1.8	8.29	1020	3.0	< 2	0.91	2.0	32	85	72	4.61	1.86	1.18	
L10200N 10350E	Dup5-01	----	1.0	8.58	880	3.5	< 2	0.96	2.0	33	92	70	6.09	1.95	1.20	
	Orig5-01	< 5	1.0	8.52	880	3.5	< 2	0.95	2.0	32	100	67	6.33	1.92	1.18	
L10200N 11350E	Dup6-01	----	0.6	7.40	1050	1.5	< 2	1.14	0.5	13	67	33	3.99	1.56	1.27	
	Orig6-01	< 5	0.6	8.15	1140	2.0	2	1.22	1.0	14	73	44	4.26	1.69	1.41	
L10400N 10875E	Dup7-01	----	0.4	8.46	1100	2.5	< 2	0.65	1.0	13	90	43	3.93	2.13	1.34	
	Orig7-01	< 5	0.4	8.50	1110	2.5	< 2	0.66	1.0	14	90	41	3.91	2.15	1.35	

CERTIFICATION: *Hartfelder*



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: BOLIDEN - WESTMIN LIMITED
 ATTN: DAVID TERRY
 P.O. BOX 49066, STE. 904 - 1055 DUNSMUIR ST.
 VANCOUVER, BC
 V7X 1C4

QC Pa.
 Tot QC Pg:
 Date:
 Invoice #:
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2-B
 2
 22-SEP-1998
 19830790
 6112
 GP D

Project: BEALE
 Comments: ATTN:DAVID TERRY CC:DAVID PAWLIUK

QC DATA OF CERTIFICATE A9830790

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)			
RV-98	Std2 1	----	----	----	----	----	----	----	----	----	----	----			
RV-98	Std2 2	----	----	----	----	----	----	----	----	----	----	----			
RV-98	Std2 3	----	----	----	----	----	----	----	----	----	----	----			
RV-98	Std2 4	----	----	----	----	----	----	----	----	----	----	----			
RV-98	Std2 5	----	----	----	----	----	----	----	----	----	----	----			
RV-98	Std2 6	----	----	----	----	----	----	----	----	----	----	----			
CHEMEX MEAN	----	----	----	----	----	----	----	----	----	----	----	----			
SIO2-3	Blnk 1	----	----	----	----	----	< 2	----	----	----	----	----			
SIO2-3	Blnk 2	----	----	----	----	----	2	----	----	----	----	----			
SIO2-3	Blnk 3	----	----	----	----	----	2	----	----	----	----	----			
SIO2-3	Blnk 4	----	----	----	----	----	2	----	----	----	----	----			
SIO2-3	Blnk 5	----	----	----	----	----	< 2	----	----	----	----	----			
SIO2-3	Blnk 6	----	----	----	----	----	< 2	----	----	----	----	----			
CHEMEX MEAN	----	----	----	----	----	----	< 2	----	----	----	----	----			
SIO2-T5	Blnk 1	5	< 1	0.01	< 1	150	----	125	0.01	4	< 10	2			
SIO2-T5	Blnk 2	5	< 1	0.01	< 1	140	----	124	0.01	5	< 10	2			
SIO2-T5	Blnk 3	5	< 1	0.01	< 1	150	----	129	0.01	4	< 10	2			
SIO2-T5	Blnk 4	5	< 1	0.01	< 1	150	----	127	0.01	4	< 10	2			
SIO2-T5	Blnk 5	5	< 1	0.01	< 1	140	----	122	0.01	4	< 10	10			
SIO2-T5	Blnk 6	5	< 1	0.01	< 1	130	----	120	0.01	4	< 10	6			
CHEMEX MEAN	----	5	----	----	2	176	----	130	0.01	4	----	2			
L9600N 11500E	Dup1-01	1085	4	1.78	20	2750	20	91	0.74	110	< 10	78			
	Orig1-01	1050	3	1.72	19	2750	16	88	0.72	106	< 10	74			
L9800N 11775E	Dup2-01	980	5	1.10	85	1290	32	159	0.40	154	< 10	236			
	Orig2-01	980	5	1.11	85	1270	30	162	0.32	153	< 10	236			
L10000N 10550E	Dup3-01	530	5	1.48	19	1850	28	204	0.50	111	< 10	80			
	Orig3-01	525	4	1.45	18	1750	26	197	0.49	108	< 10	78			
L10000N 11550E	Dup4-01	1705	7	1.15	88	1800	78	166	0.38	152	< 10	286			
	Orig4-01	1710	6	1.09	88	1820	76	162	0.34	152	< 10	280			
L10200N 10350E	Dup5-01	1270	11	1.78	126	1320	164	219	0.51	133	< 10	654			
	Orig5-01	1270	11	1.76	128	1340	166	215	0.52	138	< 10	652			
L10200N 11350E	Dup6-01	845	1	1.37	32	1490	82	160	0.42	123	< 10	188			
	Orig6-01	925	1	1.48	35	1640	94	175	0.44	135	< 10	208			
L10400N 10875E	Dup7-01	620	4	1.32	53	1670	46	158	0.41	148	< 10	186			
	Orig7-01	630	5	1.32	53	1720	46	161	0.38	147	< 10	186			

CERTIFICATION:

David Terry



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: BOLIDEN - WESTMIN LIMITED
ATTN: DAVID TERRY
P.O. BOX 49066, STE. 904 - 1055 DUNSMUIR ST.
VANCOUVER, BC
V7X 1C4

A9830790

Comments: ATTN:DAVID TERRY CC:DAVID PAWLIUK

CERTIFICATE

A9830790

(GP D) - BOLIDEN - WESTMIN LIMITED

Project: BEALE
P.O. #: 6112

Samples submitted to our lab in Vancouver, BC.
This report was printed on 22-SEP-1998.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201	260	Dry, sieve to -80 mesh
202	260	save reject
285	260	ICP - HF digestion charge

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	260	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
578	260	Ag ppm: 24 element, rock & core	AAS	0.2	100.0
573	260	Al %: 24 element, rock & core	ICP-AES	0.01	25.0
565	260	Ba ppm: 24 element, rock & core	ICP-AES	10	10000
575	260	Be ppm: 24 element, rock & core	ICP-AES	0.5	1000
561	260	Bi ppm: 24 element, rock & core	ICP-AES	2	10000
576	260	Ca %: 24 element, rock & core	ICP-AES	0.01	25.0
562	260	Cd ppm: 24 element, rock & core	ICP-AES	0.5	500
563	260	Co ppm: 24 element, rock & core	ICP-AES	1	10000
569	260	Cr ppm: 24 element, rock & core	ICP-AES	1	10000
577	260	Cu ppm: 24 element, rock & core	ICP-AES	1	10000
566	260	Fe %: 24 element, rock & core	ICP-AES	0.01	25.0
584	260	K %: 24 element, rock & core	ICP-AES	0.01	10.00
570	260	Mg %: 24 element, rock & core	ICP-AES	0.01	15.00
568	260	Mn ppm: 24 element, rock & core	ICP-AES	5	10000
554	260	Mo ppm: 24 element, rock & core	ICP-AES	1	10000
583	260	Na %: 24 element, rock & core	ICP-AES	0.01	10.00
564	260	Ni ppm: 24 element, rock & core	ICP-AES	1	10000
559	260	P ppm: 24 element, rock & core	ICP-AES	10	10000
560	260	Pb ppm: 24 element, rock & core	AAS	2	10000
582	260	Sr ppm: 24 element, rock & core	ICP-AES	1	10000
579	260	Ti %: 24 element, rock & core	ICP-AES	0.01	10.00
572	260	V ppm: 24 element, rock & core	ICP-AES	1	10000
556	260	W ppm: 24 element, rock & core	ICP-AES	10	10000
558	260	Zn ppm: 24 element, rock & core	ICP-AES	2	10000



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Page Number : 1-A
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 Account : GP D

Project : BEALE
 Comments: ATTN:DAVID TERRY CC:DAVID PAWLIUK

CERTIFICATE OF ANALYSIS A9830790

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)
L9600N 11500E	201 202	< 5	1.0	6.44	300	1.5	< 2	0.68	< 0.5	12	94	9	6.26	1.65	0.55
L9600N 11525E	201 202	10	0.6	8.64	1110	3.0	< 2	0.40	2.0	34	106	86	5.00	2.38	1.46
L9600N 11550E	201 202	15	0.8	8.28	1060	2.5	< 2	0.40	2.5	35	105	91	4.93	2.28	1.39
L9600N 11575E	201 202	15	0.6	8.78	1170	3.0	< 2	0.31	2.0	37	107	92	4.88	2.46	1.50
L9600N 11600E	201 202	10	0.8	9.43	1260	3.0	< 2	0.26	3.0	39	119	104	5.46	2.69	1.67
L9600N 11625E	201 202	5	0.6	8.63	1100	3.0	< 2	0.34	3.0	44	102	95	5.40	2.34	1.46
L9600N 11650E	201 202	10	0.6	8.33	1020	3.0	< 2	0.24	7.0	63	90	93	4.85	2.36	1.38
L9600N 11675E	201 202	< 5	1.0	8.84	1160	3.0	< 2	0.38	2.0	21	112	75	4.55	2.41	1.36
L9600N 11700E	201 202	10	1.6	8.80	1350	2.5	< 2	0.22	1.5	15	139	98	5.17	2.36	1.23
L9600N 11725E	201 202	< 5	0.2	6.85	770	2.0	4	0.65	0.5	17	98	37	4.30	1.77	1.23
L9600N 11750E	201 202	25	1.6	9.70	1560	3.5	< 2	0.18	10.5	37	151	142	6.47	2.74	0.99
L9600N 11775E	201 202	5	0.8	7.95	1010	2.5	< 2	0.46	2.0	21	104	54	4.23	2.11	1.30
L9600N 11800E	201 202	< 5	0.6	8.13	1020	2.5	< 2	0.49	1.5	21	99	55	4.33	2.11	1.38
L9600N 11825E	201 202	10	1.4	7.84	1150	2.5	< 2	0.46	3.5	20	103	84	4.58	2.10	1.08
L9600N 11850E	201 202	< 5	0.8	8.10	1140	2.5	< 2	0.47	2.0	22	104	70	4.61	2.16	1.28
L9600N 11875E	201 202	< 5	0.4	7.68	980	2.5	< 2	0.55	1.0	19	90	52	3.84	1.84	1.44
L9600N 11900E	201 202	< 5	0.2	7.58	950	2.5	< 2	0.49	0.5	19	86	51	3.75	1.83	1.40
L9600N 11925E	201 202	< 5	0.2	7.83	980	2.5	< 2	0.44	0.5	21	86	62	3.70	1.86	1.42
L9600N 11950E	201 202	10	0.4	8.43	1100	2.5	< 2	0.40	0.5	22	100	64	4.16	2.12	1.49
L9600N 11975E	201 202	< 5	0.6	7.81	1020	2.5	< 2	0.37	0.5	20	92	58	3.76	1.84	1.44
L9600N 12000E	201 202	10	1.0	8.60	1020	2.5	< 2	0.61	1.0	25	102	61	4.38	2.09	1.61
L9600N 12025E	201 202	5	0.2	7.87	1030	2.5	< 2	0.45	0.5	21	86	60	3.76	1.86	1.45
L9600N 12050E	201 202	10	0.2	7.48	940	2.0	< 2	0.46	0.5	19	84	61	3.78	1.75	1.44
L9600N 12075E	201 202	< 5	< 0.2	7.69	980	2.5	< 2	0.40	1.0	24	87	63	4.04	1.86	1.39
L9600N 12100E	201 202	5	0.6	8.59	1100	2.5	< 2	0.38	1.5	24	96	73	4.34	2.21	1.59
L9600N 12125E	201 202	5	2.0	7.75	1010	2.5	< 2	0.45	2.0	40	103	116	4.73	2.06	1.36
L9600N 12150E	201 202	10	1.8	8.10	1010	3.0	< 2	0.45	2.5	44	104	155	5.02	2.04	1.35
L9600N 12175E	201 202	10	1.4	8.19	1000	3.0	< 2	0.53	2.5	37	100	122	5.01	2.10	1.47
L9600N 12200E	201 202	5	1.4	8.40	1110	3.0	< 2	0.42	2.5	34	96	123	4.74	2.14	1.51
L9800N 11500E	201 202	< 5	1.0	8.80	1060	3.0	< 2	0.38	2.0	34	101	104	4.83	2.14	1.45
L9800N 11525E	201 202	< 5	0.6	8.73	1150	3.0	< 2	0.32	3.5	40	108	74	5.33	2.39	1.43
L9800N 11550E	201 202	< 5	1.2	8.75	1120	3.5	< 2	0.45	3.0	39	103	110	5.22	2.32	1.52
L9800N 11575E	201 202	< 5	0.6	7.32	900	2.5	< 2	1.17	6.0	23	92	71	4.38	1.89	0.88
L9800N 11600E	201 202	< 5	0.6	7.55	840	3.0	< 2	1.40	1.5	18	93	64	4.36	1.98	1.05
L9800N 11625E	201 202	< 5	0.8	8.20	1050	3.0	< 2	1.21	2.0	21	98	73	4.22	2.11	1.32
L9800N 11650E	201 202	< 5	0.6	7.82	950	3.0	< 2	0.63	2.0	58	88	110	4.76	1.94	1.29
L9800N 11675E	201 202	10	1.2	8.93	1150	3.0	< 2	0.29	1.0	57	106	108	5.60	2.40	1.26
L9800N 11700E	201 202	< 5	0.2	8.17	1110	3.0	< 2	0.27	1.5	36	103	80	5.52	2.22	1.23
L9800N 11725E	201 202	5	1.6	7.95	920	3.0	< 2	0.63	1.0	22	94	87	4.09	1.87	1.26
L9800N 11750E	201 202	< 5	2.4	7.84	920	3.0	< 2	1.11	2.0	23	90	109	3.95	1.91	1.24

CERTIFICATION: *Hart Riedler*



Chemex Labs Ltd.

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Project : BEALE
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CERTIFICATE OF ANALYSIS A9830790

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)			
L9600N 11500E	201 202	1050	3	1.72	19	2750	16	88	0.72	106	< 10	74			
L9600N 11525E	201 202	1680	14	1.03	105	1390	46	134	0.46	202	< 10	256			
L9600N 11550E	201 202	1715	14	1.01	109	1320	44	132	0.44	191	< 10	264			
L9600N 11575E	201 202	1320	24	0.84	101	1180	30	126	0.42	202	< 10	246			
L9600N 11600E	201 202	1115	26	0.76	135	1110	28	100	0.48	222	< 10	296			
L9600N 11625E	201 202	1735	25	0.99	129	1340	38	128	0.44	179	< 10	274			
L9600N 11650E	201 202	2660	22	0.87	141	970	38	98	0.36	147	< 10	320			
L9600N 11675E	201 202	970	12	0.90	81	1260	34	140	0.41	216	< 10	236			
L9600N 11700E	201 202	610	30	0.87	83	1300	54	195	0.41	351	< 10	268			
L9600N 11725E	201 202	1190	6	1.14	48	1900	28	147	0.48	153	< 10	140			
L9600N 11750E	201 202	2460	37	0.67	160	1190	30	170	0.41	514	< 10	532			
L9600N 11775E	201 202	1350	9	1.07	69	1490	34	134	0.44	204	< 10	204			
L9600N 11800E	201 202	1365	8	1.12	71	1510	32	139	0.41	178	< 10	190			
L9600N 11825E	201 202	1240	22	1.15	86	1120	36	199	0.38	253	< 10	250			
L9600N 11850E	201 202	1195	15	1.07	80	1030	30	157	0.38	198	< 10	208			
L9600N 11875E	201 202	1225	4	1.06	67	1010	28	148	0.42	141	< 10	146			
L9600N 11900E	201 202	1250	4	1.00	65	1050	30	131	0.34	136	< 10	138			
L9600N 11925E	201 202	1215	4	0.95	75	780	28	125	0.39	134	< 10	140			
L9600N 11950E	201 202	1405	4	0.86	84	840	30	115	0.42	159	< 10	160			
L9600N 11975E	201 202	1430	3	0.89	73	1150	28	105	0.37	144	< 10	140			
L9600N 12000E	201 202	1770	4	1.17	87	1110	30	141	0.42	151	< 10	158			
L9600N 12025E	201 202	1175	3	0.90	82	620	26	118	0.36	135	< 10	134			
L9600N 12050E	201 202	1235	5	0.98	76	770	28	126	0.37	133	< 10	144			
L9600N 12075E	201 202	1395	6	1.00	83	730	32	119	0.41	140	< 10	152			
L9600N 12100E	201 202	1375	6	1.05	89	640	34	128	0.34	160	< 10	164			
L9600N 12125E	201 202	3140	11	1.03	129	1350	52	122	0.38	155	< 10	262			
L9600N 12150E	201 202	3830	15	1.08	142	1610	84	121	0.39	159	< 10	310			
L9600N 12175E	201 202	2430	11	1.14	130	1390	96	132	0.41	157	< 10	282			
L9600N 12200E	201 202	2160	11	1.04	119	1180	80	131	0.37	165	< 10	288			
L9800N 11500E	201 202	1755	8	1.02	100	1460	60	108	0.38	173	< 10	324			
L9800N 11525E	201 202	1915	10	0.89	84	1440	86	97	0.38	184	< 10	284			
L9800N 11550E	201 202	1930	10	1.02	132	1290	62	123	0.34	180	< 10	320			
L9800N 11575E	201 202	1845	12	1.05	85	1830	54	184	0.37	153	< 10	410			
L9800N 11600E	201 202	995	9	1.20	84	1510	54	196	0.38	136	< 10	268			
L9800N 11625E	201 202	960	8	1.11	89	1240	64	218	0.33	158	< 10	342			
L9800N 11650E	201 202	2430	8	1.18	170	1630	36	166	0.37	146	< 10	292			
L9800N 11675E	201 202	2460	13	0.99	132	1960	52	115	0.42	185	< 10	256			
L9800N 11700E	201 202	1720	15	0.88	106	2150	62	111	0.39	180	< 10	236			
L9800N 11725E	201 202	1140	5	0.98	102	1440	34	138	0.36	150	< 10	272			
L9800N 11750E	201 202	1220	5	0.89	112	1560	36	172	0.30	146	< 10	354			

CERTIFICATION:

David Terry



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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

To: BOLIDEN - WESTMIN LIMITED
ATTN: DAVID TERRY
P.O. BOX 49066, STE. 904 - 1055 DUNSMUIR ST.
VANCOUVER, BC
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Page: 2-A
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Certificate Date: 22-SEP-1998
Invoice No.: 19830790
P.O. Number: 6112
Account: GP D

Project: BEALE
Comments: ATTN:DAVID TERRY CC:DAVID PAWLIUK

CERTIFICATE OF ANALYSIS A9830790

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)
L9800N 11775E	201 202	< 5	1.0	8.13	930	2.5	< 2	0.79	1.0	18	93	65	4.12	1.90	1.38
L9800N 11800E	201 202	< 5	0.6	8.24	950	2.5	< 2	0.72	1.0	18	91	70	4.08	1.89	1.52
L9800N 11825E	201 202	< 5	0.4	7.68	1070	2.5	< 2	1.64	0.5	21	85	80	3.61	1.73	1.53
L9800N 11850E	201 202	< 5	0.8	8.22	960	2.5	< 2	0.44	0.5	17	96	71	4.10	1.84	1.44
L9800N 11875E	201 202	< 5	0.2	8.27	970	2.5	< 2	0.48	0.5	19	97	62	4.27	2.08	1.32
L9800N 11900E	201 202	< 5	< 0.2	7.12	790	2.0	< 2	0.76	0.5	14	81	48	3.83	1.67	1.17
L9800N 11925E	201 202	< 5	< 0.2	7.34	830	2.0	< 2	0.45	1.0	16	88	54	4.05	1.76	1.20
L9800N 11950E	201 202	< 5	0.2	7.96	940	2.5	< 2	0.50	0.5	20	85	63	4.08	1.84	1.34
L9800N 11975E	201 202	< 5	1.0	9.70	1080	3.0	< 2	0.88	1.0	20	112	90	4.88	2.23	1.56
L9800N 12000E	201 202	< 5	< 0.2	7.72	900	2.0	< 2	0.59	0.5	20	86	68	4.22	1.75	1.50
L9800N 12025E	201 202	< 5	0.6	8.44	1020	2.5	< 2	0.46	1.0	21	102	70	4.58	2.03	1.43
L9800N 12050E	201 202	< 5	< 0.2	8.24	950	2.5	< 2	0.49	1.0	22	92	79	4.46	1.91	1.65
L9800N 12075E	201 202	< 5	0.2	7.08	750	2.0	< 2	0.45	0.5	12	85	36	3.99	1.79	0.97
L9800N 12100E	201 202	< 5	0.8	8.05	870	2.5	< 2	0.52	0.5	18	97	48	4.08	1.84	1.16
L9800N 12125E	201 202	< 5	0.2	7.63	920	2.5	< 2	0.59	0.5	20	88	52	3.90	1.79	1.34
L9800N 12150E	201 202	< 5	0.4	8.97	900	3.0	< 2	0.66	1.0	27	104	60	5.07	2.31	1.34
L9800N 12175E	201 202	< 5	0.4	10.00	1200	3.5	< 2	0.26	1.5	39	113	88	5.20	2.69	1.56
L9800N 12200E	201 202	5	0.6	9.83	1400	3.0	< 2	0.36	2.0	39	113	101	5.50	2.73	1.66
L10000N 10000E	201 202	< 5	< 0.2	8.30	1220	2.5	< 2	1.59	1.5	13	74	32	3.52	2.11	1.25
L10000N 10025E	201 202	< 5	0.6	7.62	860	2.5	< 2	1.25	3.5	18	83	37	3.94	1.79	1.12
L10000N 10050E	201 202	< 5	< 0.2	7.95	1000	2.5	< 2	1.34	1.5	12	89	25	3.33	1.69	1.20
L10000N 10075E	201 202	< 5	0.6	8.12	630	3.5	< 2	1.08	2.0	12	87	43	3.25	1.77	0.79
L10000N 10100E	201 202	< 5	0.6	7.18	920	2.5	< 2	1.19	1.5	16	78	60	3.65	1.67	1.16
L10000N 10125E	201 202	< 5	< 0.2	7.36	1180	2.5	< 2	1.67	1.5	14	52	41	2.75	1.90	0.89
L10000N 10150E	201 202	< 5	< 0.2	7.75	1270	2.5	< 2	1.40	1.0	13	69	47	3.46	1.99	1.14
L10000N 10175E	201 202	< 5	0.2	9.03	410	4.5	< 2	1.42	3.0	16	88	23	5.53	2.04	0.71
L10000N 10200E	201 202	< 5	0.6	9.41	620	4.5	< 2	1.29	2.5	15	94	18	4.11	2.27	0.76
L10000N 10225E	201 202	10	< 0.2	7.20	700	2.5	< 2	1.31	1.5	18	102	12	4.16	1.56	1.11
L10000N 10250E	201 202	< 5	< 0.2	7.14	830	2.0	< 2	1.09	1.0	12	85	18	4.72	1.50	1.22
L10000N 10275E	201 202	< 5	0.2	6.91	570	1.5	< 2	0.89	0.5	9	90	14	3.91	1.32	0.80
L10000N 10300E	201 202	10	0.6	7.75	870	2.0	8	0.65	1.5	17	89	46	4.32	1.64	1.07
L10000N 10325E	201 202	15	0.2	6.30	650	1.5	< 2	0.81	0.5	10	77	13	4.02	1.46	0.74
L10000N 10350E	201 202	5	< 0.2	7.11	1080	1.5	< 2	0.35	0.5	10	89	21	4.19	1.86	1.10
L10000N 10375E	201 202	10	1.4	7.90	970	2.5	< 2	0.61	1.5	17	86	48	4.32	1.81	1.21
L10000N 10400E	201 202	< 5	0.2	7.02	690	2.0	6	0.82	< 0.5	9	72	11	3.88	1.74	0.63
L10000N 10425E	201 202	< 5	< 0.2	8.32	1030	2.5	< 2	1.56	0.5	14	56	29	3.35	1.64	0.97
L10000N 10450E	201 202	< 5	0.2	8.11	600	2.5	< 2	0.93	0.5	15	98	32	5.48	1.80	0.95
L10000N 10475E	201 202	< 5	< 0.2	6.07	580	1.5	< 2	0.70	0.5	12	74	12	4.92	1.54	0.63
L10000N 10500E	201 202	< 5	< 0.2	7.39	780	2.0	< 2	1.00	0.5	10	78	15	3.68	1.57	0.82
L10000N 10525E	201 202	< 5	0.8	8.12	890	2.5	< 2	1.19	0.5	14	76	22	3.97	1.69	0.98

CERTIFICATION:

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CERTIFICATE OF ANALYSIS A9830790

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)			
L9800N 11775E	201 202	980	5	1.11	85	1270	30	162	0.32	153	< 10	236			
L9800N 11800E	201 202	975	4	0.96	70	1310	30	134	0.32	159	< 10	190			
L9800N 11825E	201 202	835	4	1.79	85	1390	40	389	0.42	132	< 10	240			
L9800N 11850E	201 202	1010	5	1.01	68	1340	30	120	0.40	153	< 10	176			
L9800N 11875E	201 202	1070	4	1.14	56	1900	30	118	0.43	156	< 10	142			
L9800N 11900E	201 202	755	3	1.25	42	1960	22	154	0.42	129	< 10	118			
L9800N 11925E	201 202	1055	4	1.10	52	1990	28	115	0.43	141	< 10	134			
L9800N 11950E	201 202	1350	3	1.15	53	1730	30	138	0.38	146	< 10	134			
L9800N 11975E	201 202	1055	6	1.21	92	1680	34	167	0.46	178	< 10	194			
L9800N 12000E	201 202	1170	4	1.23	56	1800	26	142	0.41	152	< 10	138			
L9800N 12025E	201 202	1230	4	1.09	65	1840	30	116	0.46	169	< 10	152			
L9800N 12050E	201 202	1300	3	1.14	66	1360	28	120	0.39	164	< 10	142			
L9800N 12075E	201 202	775	4	1.18	47	2340	26	100	0.39	125	< 10	120			
L9800N 12100E	201 202	1020	3	1.02	56	2900	32	111	0.44	144	< 10	128			
L9800N 12125E	201 202	965	4	1.15	70	1230	36	150	0.36	140	< 10	140			
L9800N 12150E	201 202	1130	7	1.61	73	1570	40	148	0.47	147	< 10	168			
L9800N 12175E	201 202	1285	6	1.01	97	1040	48	107	0.47	174	< 10	206			
L9800N 12200E	201 202	1230	12	1.01	101	1080	68	111	0.50	205	< 10	242			
L10000N 10000E	201 202	570	14	2.08	54	1590	40	365	0.44	137	< 10	176			
L10000N 10025E	201 202	1080	20	1.60	68	1760	30	219	0.45	133	< 10	276			
L10000N 10050E	201 202	505	5	1.89	52	1440	34	306	0.43	126	< 10	148			
L10000N 10075E	201 202	360	23	1.91	63	1500	32	174	0.50	99	< 10	210			
L10000N 10100E	201 202	750	13	1.53	66	1310	30	247	0.39	137	< 10	212			
L10000N 10125E	201 202	665	1	2.23	34	1810	40	383	0.37	94	< 10	120			
L10000N 10150E	201 202	775	13	2.11	40	1300	44	364	0.44	127	< 10	172			
L10000N 10175E	201 202	855	17	2.41	78	1890	18	154	0.61	85	< 10	228			
L10000N 10200E	201 202	525	12	2.44	111	1530	36	183	0.45	96	< 10	386			
L10000N 10225E	201 202	865	6	1.95	54	1390	28	262	0.45	97	< 10	120			
L10000N 10250E	201 202	670	5	1.59	43	1370	34	265	0.43	119	< 10	120			
L10000N 10275E	201 202	510	5	1.61	29	1560	30	195	0.43	105	< 10	72			
L10000N 10300E	201 202	1960	15	1.22	67	1790	36	159	0.39	156	< 10	240			
L10000N 10325E	201 202	835	6	1.47	23	2360	42	179	0.47	124	< 10	84			
L10000N 10350E	201 202	715	11	0.80	32	1230	62	99	0.49	196	< 10	158			
L10000N 10375E	201 202	1005	9	1.20	52	1520	92	153	0.45	161	< 10	228			
L10000N 10400E	201 202	755	6	1.84	19	1790	38	203	0.58	124	< 10	82			
L10000N 10425E	201 202	610	4	2.06	37	1740	40	399	0.36	99	< 10	116			
L10000N 10450E	201 202	1140	10	1.87	30	2160	30	173	0.63	151	< 10	150			
L10000N 10475E	201 202	825	8	1.65	19	1600	30	166	0.51	115	< 10	84			
L10000N 10500E	201 202	450	5	1.69	25	1600	34	236	0.52	117	< 10	92			
L10000N 10525E	201 202	645	4	1.91	36	1760	28	282	0.49	114	< 10	110			

CERTIFICATION:

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CERTIFICATE OF ANALYSIS A9830790

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)
L10000N 10550E	201 202	< 5	0.4	5.94	670	1.5	< 2	0.77	< 0.5	9	65	15	2.97	1.39	0.67
L10000N 10575E	201 202	< 5	0.6	6.60	540	2.0	< 2	0.88	0.5	13	84	29	4.00	1.44	0.85
L10000N 10600E	201 202	5	1.0	7.76	820	2.5	< 2	1.09	1.0	19	89	54	4.32	1.64	1.28
L10000N 10625E	201 202	< 5	1.0	7.80	910	2.5	< 2	1.23	2.5	24	79	60	4.30	1.76	1.22
L10000N 10650E	201 202	15	8.8	8.76	830	3.5	< 2	0.89	9.5	37	103	189	9.22	1.87	1.26
L10000N 10675E	201 202	20	5.0	8.55	1110	3.5	< 2	0.60	10.5	47	117	197	9.23	2.01	1.45
L10000N 10700E	201 202	30	4.4	8.45	900	3.0	< 2	0.88	3.0	38	101	129	6.51	1.92	1.62
L10000N 10725E	201 202	20	2.2	8.34	960	3.0	< 2	0.89	6.0	46	99	132	6.83	1.92	1.60
L10000N 10750E	-- --	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed
L10000N 10775E	-- --	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed
L10000N 10800E	201 202	< 5	0.8	7.70	600	2.5	< 2	0.88	1.5	15	82	23	4.22	1.60	0.95
L10000N 10825E	201 202	< 5	1.6	8.38	540	3.0	< 2	0.82	1.0	17	92	26	5.25	1.75	0.86
L10000N 10850E	201 202	< 5	0.8	7.56	730	2.5	< 2	1.34	0.5	13	63	14	3.81	1.62	0.85
L10000N 10875E	201 202	< 5	2.2	9.52	230	5.5	< 2	0.59	< 0.5	5	26	17	5.12	2.19	0.25
L10000N 10900E	201 202	< 5	0.2	7.67	1010	2.5	< 2	1.63	0.5	13	55	19	3.14	1.61	1.13
L10000N 10925E	201 202	< 5	1.4	8.19	490	3.0	< 2	0.94	0.5	14	76	21	4.61	1.44	1.02
L10000N 10950E	201 202	< 5	< 0.2	7.35	800	2.5	< 2	1.05	0.5	14	76	31	4.00	1.50	1.32
L10000N 10975E	201 202	< 5	0.8	7.51	430	2.0	< 2	0.93	0.5	14	104	24	6.13	1.44	0.82
L10000N 11000E	201 202	< 5	0.4	7.59	600	2.0	< 2	0.89	0.5	14	84	27	4.44	1.65	0.82
L10000N 11025E	201 202	< 5	< 0.2	7.24	1090	1.5	< 2	1.55	0.5	19	66	42	3.44	1.68	1.58
L10000N 11050E	201 202	20	0.8	7.13	940	2.0	< 2	1.39	1.5	13	73	16	4.05	1.62	1.25
L10000N 11075E	201 202	< 5	0.8	7.97	870	2.5	< 2	1.81	0.5	15	86	18	4.32	1.64	1.41
L10000N 11100E	201 202	< 5	0.2	7.63	940	2.0	< 2	0.87	0.5	14	83	18	4.74	1.79	1.36
L10000N 11125E	201 202	< 5	0.4	8.62	1170	2.5	< 2	1.39	1.0	19	82	29	3.92	1.95	1.63
L10000N 11150E	201 202	< 5	1.4	9.21	470	3.0	< 2	0.84	0.5	16	85	35	4.96	1.89	0.94
L10000N 11175E	201 202	< 5	0.2	7.87	1010	1.5	< 2	1.15	0.5	18	67	33	4.18	1.65	1.76
L10000N 11200E	201 202	< 5	0.2	7.83	1010	1.5	< 2	1.10	0.5	19	73	37	4.05	1.77	1.56
L10000N 11225E	201 202	< 5	< 0.2	7.85	1010	1.5	< 2	1.49	0.5	16	74	27	4.18	1.66	1.56
L10000N 11250E	201 202	< 5	0.2	7.31	650	2.0	< 2	1.19	0.5	14	71	16	4.72	1.60	1.05
L10000N 11275E	201 202	< 5	< 0.2	7.85	970	1.5	< 2	1.83	0.5	21	80	35	4.21	1.73	1.68
L10000N 11300E	201 202	< 5	0.4	6.18	660	1.5	< 2	1.04	0.5	11	57	19	3.27	1.33	0.86
L10000N 11325E	201 202	< 5	0.4	7.09	870	2.0	< 2	1.28	1.0	14	75	23	3.97	1.57	1.27
L10000N 11350E	201 202	5	1.0	9.87	1210	4.5	< 2	0.90	1.0	27	136	116	5.50	2.30	1.81
L10000N 11375E	201 202	< 5	0.4	7.87	1100	2.5	< 2	2.21	0.5	13	71	12	3.07	1.72	1.43
L10000N 11400E	201 202	10	0.6	7.66	1080	2.0	< 2	1.46	2.0	23	82	51	4.12	1.91	1.56
L10000N 11425E	201 202	5	0.4	8.26	1190	2.5	< 2	1.29	1.0	27	85	56	4.08	1.88	1.65
L10000N 11450E	201 202	< 5	0.8	7.61	810	3.0	< 2	0.74	1.5	15	80	63	4.86	1.94	0.91
L10000N 11475E	201 202	< 5	1.0	7.39	1000	2.0	< 2	0.69	1.5	20	70	48	3.62	1.71	1.20
L10000N 11500E	201 202	< 5	1.0	7.15	780	2.0	< 2	0.57	1.5	17	75	34	4.84	1.80	0.93
L10000N 11525E	201 202	15	0.8	8.58	1140	2.5	< 2	0.83	2.0	29	97	50	5.00	2.21	1.34

CERTIFICATION:

David Terry



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: BOLIDEN - WESTMIN LIMITED
 ATTN: DAVID TERRY
 P.O. BOX 49066, STE. 904 - 1055 DUNSMUIR ST.
 VANCOUVER, BC
 V7X 1C4

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 P.O. Number : 6112
 Account : GP D

Project : BEALE
 Comments: ATTN:DAVID TERRY CC:DAVID PAWLIUK

CERTIFICATE OF ANALYSIS A9830790

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)			
L10000N 10550E	201	202	525	4	1.45	18	1750	26	197	0.49	108	< 10	78			
L10000N 10575E	201	202	875	4	1.45	31	2210	26	156	0.55	113	< 10	110			
L10000N 10600E	201	202	1000	7	1.59	52	1720	40	223	0.49	140	< 10	156			
L10000N 10625E	201	202	970	8	1.69	86	1450	156	276	0.42	126	< 10	372			
L10000N 10650E	201	202	2020	54	1.38	139	2220	2380	208	0.49	186	< 10	1320			
L10000N 10675E	201	202	2440	62	0.94	188	1790	1890	232	0.44	277	< 10	1670			
L10000N 10700E	201	202	1850	23	1.18	140	1670	1830	203	0.44	188	< 10	638			
L10000N 10725E	201	202	2200	26	1.25	167	1440	700	229	0.47	180	< 10	812			
L10000N 10750E	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd			
L10000N 10775E	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd			
L10000N 10800E	201	202	765	5	1.59	37	1870	50	148	0.52	105	< 10	144			
L10000N 10825E	201	202	940	10	1.58	46	1990	72	114	0.47	103	< 10	230			
L10000N 10850E	201	202	620	3	1.86	28	2320	34	259	0.41	88	< 10	98			
L10000N 10875E	201	202	515	4	2.59	19	1220	28	50	0.26	44	< 10	122			
L10000N 10900E	201	202	660	1	2.08	27	1990	36	387	0.39	97	< 10	92			
L10000N 10925E	201	202	620	1	1.64	35	1480	30	154	0.43	88	< 10	108			
L10000N 10950E	201	202	685	3	1.58	38	1460	28	197	0.44	111	< 10	132			
L10000N 10975E	201	202	720	4	1.66	27	1910	28	152	0.64	109	< 10	118			
L10000N 11000E	201	202	810	4	1.75	27	2380	50	182	0.48	103	< 10	120			
L10000N 11025E	201	202	925	< 1	1.75	36	930	56	218	0.41	122	< 10	138			
L10000N 11050E	201	202	615	3	1.74	32	1710	30	309	0.48	127	< 10	96			
L10000N 11075E	201	202	690	2	1.97	34	2460	30	398	0.54	130	< 10	118			
L10000N 11100E	201	202	770	2	1.40	38	1170	32	198	0.49	148	< 10	174			
L10000N 11125E	201	202	820	1	1.81	50	1110	40	324	0.43	136	< 10	146			
L10000N 11150E	201	202	725	3	1.84	39	1490	34	107	0.52	101	< 10	142			
L10000N 11175E	201	202	880	< 1	1.61	34	950	40	186	0.45	145	< 10	120			
L10000N 11200E	201	202	880	1	1.59	38	1460	40	187	0.46	139	< 10	124			
L10000N 11225E	201	202	830	< 1	1.75	33	1250	32	237	0.46	133	< 10	112			
L10000N 11250E	201	202	890	1	1.73	27	1710	34	151	0.46	103	< 10	108			
L10000N 11275E	201	202	1335	< 1	1.81	38	1410	42	237	0.48	135	< 10	150			
L10000N 11300E	201	202	820	2	1.42	19	2110	30	185	0.38	97	< 10	68			
L10000N 11325E	201	202	870	2	1.53	39	2600	26	283	0.40	113	< 10	104			
L10000N 11350E	201	202	1460	6	1.12	85	1090	74	157	0.46	196	< 10	258			
L10000N 11375E	201	202	580	< 1	2.29	38	1950	26	495	0.41	108	< 10	84			
L10000N 11400E	201	202	1115	4	1.53	63	1250	44	233	0.46	152	< 10	160			
L10000N 11425E	201	202	1065	4	1.61	66	1420	46	272	0.44	153	< 10	194			
L10000N 11450E	201	202	930	7	1.18	76	2180	46	128	0.38	130	< 10	296			
L10000N 11475E	201	202	1010	3	1.15	49	1780	46	135	0.37	130	< 10	162			
L10000N 11500E	201	202	890	6	1.26	50	1880	58	137	0.39	132	< 10	248			
L10000N 11525E	201	202	1295	7	1.32	79	1160	78	171	0.41	178	< 10	340			

CERTIFICATION: H. K. D.



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CERTIFICATE OF ANALYSIS A9830790

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)
L10000N 11550E	201	202	5	1.8	8.29	1020	3.0	< 2	0.91	2.0	32	85	72	4.61	1.86	1.18
L10000N 11575E	201	202	15	1.8	8.99	1110	3.5	< 2	0.63	4.5	44	106	93	6.05	2.13	1.37
L10000N 11600E	201	202	< 5	1.4	8.10	1210	2.5	< 2	1.11	10.5	25	90	66	4.40	1.98	1.31
L10000N 11625E	201	202	5	5.2	8.45	1410	3.0	< 2	0.90	13.5	39	100	150	5.19	1.97	1.44
L10000N 11650E	201	202	10	1.6	8.58	1110	2.5	< 2	0.46	1.5	24	95	91	4.75	2.10	1.53
L10000N 11675E	201	202	< 5	1.2	8.89	1150	3.0	< 2	0.52	0.5	28	97	60	4.62	2.28	1.28
L10000N 11700E	201	202	< 5	1.0	8.59	1100	3.0	< 2	0.34	1.5	20	99	58	4.69	2.25	1.29
L10000N 11725E	201	202	< 5	1.2	8.18	1010	2.5	< 2	0.46	1.5	22	93	61	4.11	2.07	1.37
L10000N 11750E	201	202	< 5	0.6	7.74	940	2.5	< 2	0.39	0.5	20	87	50	3.99	1.82	1.51
L10000N 11775E	201	202	< 5	0.6	7.82	1000	2.5	< 2	0.36	0.5	20	93	54	4.01	1.92	1.39
L10000N 11800E	201	202	< 5	1.0	8.32	1030	2.5	< 2	0.44	1.5	24	95	76	4.26	1.92	1.65
L10000N 11825E	201	202	10	1.0	8.74	1200	3.0	< 2	0.56	1.0	30	101	89	5.38	2.21	1.58
L10000N 11850E	201	202	< 5	1.0	8.25	1210	3.0	< 2	0.52	2.0	45	103	190	6.55	2.26	1.98
L10000N 11875E	201	202	260	0.8	7.70	860	2.0	< 2	0.95	2.0	33	83	100	4.90	1.70	2.11
L10000N 11900E	201	202	10	0.6	7.70	800	2.0	< 2	1.15	4.0	33	69	139	4.84	1.57	2.21
L10000N 11925E	201	202	< 5	0.2	7.33	710	1.5	< 2	1.04	0.5	25	79	102	4.38	1.47	2.00
L10000N 11950E	201	202	5	0.2	7.92	730	1.5	< 2	1.10	0.5	28	103	113	4.77	1.39	2.95
L10000N 11975E	201	202	< 5	0.2	7.18	710	1.5	< 2	1.06	0.5	22	85	154	4.27	1.42	1.92
L10000N 12000E	201	202	10	0.2	7.53	860	2.0	< 2	1.07	0.5	24	94	361	4.08	1.63	1.89
L10000N 12050E	201	202	< 5	0.4	7.31	810	2.0	< 2	1.16	0.5	22	90	72	3.85	1.69	1.65
L10000N 12075E	201	202	< 5	0.2	6.86	630	2.0	< 2	1.27	0.5	19	75	99	3.59	1.36	1.92
L10000N 12100E	201	202	< 5	< 0.2	7.21	670	2.0	< 2	1.19	< 0.5	20	84	44	3.93	1.58	1.77
L10000N 12125E	201	202	< 5	< 0.2	7.19	700	2.0	< 2	1.06	< 0.5	20	93	106	3.95	1.50	1.40
L10000N 12150E	201	202	< 5	< 0.2	7.25	790	2.0	< 2	0.77	0.5	22	75	61	3.88	1.62	1.39
L10000N 12175E	201	202	5	< 0.2	7.25	740	2.0	< 2	1.05	< 0.5	19	93	93	3.83	1.52	1.48
L10000N 12200E	201	202	< 5	< 0.2	6.53	650	1.5	< 2	0.94	0.5	17	87	50	3.64	1.30	1.20
L10200N 10000E	201	202	< 5	0.6	7.92	450	3.0	< 2	1.04	1.0	15	88	29	5.21	1.60	0.78
L10200N 10025E	201	202	< 5	< 0.2	7.79	1050	3.0	< 2	1.39	1.5	13	68	35	3.08	1.85	1.13
L10200N 10050E	201	202	< 5	0.6	7.99	540	3.5	< 2	1.17	1.5	12	70	32	4.85	1.61	0.71
L10200N 10075E	201	202	< 5	0.4	8.61	930	3.0	< 2	1.37	2.5	18	90	39	4.57	2.02	1.15
L10200N 10100E	201	202	< 5	< 0.2	8.79	650	3.5	< 2	1.14	1.5	19	81	38	5.71	2.09	1.08
L10200N 10125E	201	202	< 5	0.4	8.21	650	3.5	< 2	1.23	6.0	18	85	30	4.80	1.80	0.85
L10200N 10150E	201	202	< 5	0.6	8.11	960	3.0	< 2	1.54	2.0	16	73	39	3.36	1.94	1.10
L10200N 10175E	201	202	< 5	0.4	7.97	1000	2.5	< 2	1.12	1.5	19	86	42	4.39	1.87	1.32
L10200N 10200E	201	202	< 5	0.2	7.18	640	2.0	< 2	0.85	1.0	17	104	28	4.15	1.57	1.01
L10200N 10225E	201	202	< 5	1.2	8.51	1000	3.0	< 2	1.83	6.5	18	75	53	4.42	1.97	1.32
L10200N 10250E	201	202	< 5	0.6	6.37	710	2.0	< 2	0.79	1.0	14	62	26	3.46	1.36	0.81
L10200N 10275E	201	202	< 5	0.6	6.78	800	2.5	< 2	0.80	2.0	17	66	30	4.18	1.51	0.76
L10200N 10300E	201	202	< 5	0.8	6.90	740	2.5	< 2	0.89	1.0	14	65	32	3.88	1.44	0.77
L10200N 10325E	201	202	< 5	0.4	6.63	690	2.0	< 2	0.73	0.5	12	73	29	4.26	1.54	0.97

CERTIFICATION: *David Terry*



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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)			
L10000N 11550E	201 202	1710	6	1.09	88	1820	76	162	0.34	152	< 10	280			
L10000N 11575E	201 202	1975	9	1.46	153	1520	98	144	0.45	175	< 10	616			
L10000N 11600E	201 202	1415	6	1.11	97	1510	334	198	0.38	167	< 10	1675			
L10000N 11625E	201 202	1945	8	1.11	159	1040	1325	207	0.38	190	< 10	2900			
L10000N 11650E	201 202	1075	10	1.30	101	970	170	133	0.41	169	< 10	314			
L10000N 11675E	201 202	1225	7	1.27	77	1120	98	155	0.45	166	< 10	206			
L10000N 11700E	201 202	1020	7	1.08	74	1260	50	110	0.44	167	< 10	194			
L10000N 11725E	201 202	1105	6	1.18	78	830	46	129	0.41	153	< 10	168			
L10000N 11750E	201 202	1160	5	0.95	68	900	30	108	0.38	148	< 10	158			
L10000N 11775E	201 202	1120	5	0.93	65	930	36	108	0.41	153	< 10	144			
L10000N 11800E	201 202	1255	5	1.04	90	670	42	128	0.41	153	< 10	180			
L10000N 11825E	201 202	1815	11	1.15	72	2030	78	121	0.36	190	< 10	182			
L10000N 11850E	201 202	2960	11	0.97	103	1440	150	120	0.38	189	< 10	270			
L10000N 11875E	201 202	1910	2	1.63	65	1320	428	186	0.40	174	< 10	500			
L10000N 11900E	201 202	2270	< 1	1.76	45	1570	316	204	0.42	161	< 10	402			
L10000N 11925E	201 202	1175	< 1	1.78	55	1200	32	196	0.45	148	< 10	112			
L10000N 11950E	201 202	1285	< 1	2.04	57	930	26	208	0.57	182	< 10	98			
L10000N 11975E	201 202	1225	< 1	1.63	51	1280	32	207	0.45	151	< 10	106			
L10000N 12000E	201 202	1165	1	1.75	60	1010	30	241	0.42	149	< 10	104			
L10000N 12050E	201 202	1070	1	1.65	62	930	22	223	0.46	133	< 10	116			
L10000N 12075E	201 202	1345	1	1.80	48	1030	18	211	0.41	127	< 10	106			
L10000N 12100E	201 202	985	< 1	1.64	52	1190	20	201	0.49	141	< 10	92			
L10000N 12125E	201 202	920	1	1.72	55	1060	20	222	0.47	134	< 10	92			
L10000N 12150E	201 202	985	4	1.53	66	1140	22	174	0.41	125	< 10	126			
L10000N 12175E	201 202	1000	1	1.66	60	1040	20	226	0.44	131	< 10	104			
L10000N 12200E	201 202	755	< 1	1.63	52	1250	20	185	0.43	128	< 10	90			
L10200N 10000E	201 202	600	17	1.77	50	1670	18	141	0.55	98	< 10	152			
L10200N 10025E	201 202	575	6	1.99	40	1590	34	307	0.40	114	< 10	130			
L10200N 10050E	201 202	620	6	1.72	37	3010	30	154	0.46	96	< 10	136			
L10200N 10075E	201 202	825	4	2.15	61	1870	38	269	0.56	128	< 10	254			
L10200N 10100E	201 202	1130	8	2.06	81	1500	34	155	0.54	122	< 10	262			
L10200N 10125E	201 202	1550	11	1.92	49	2160	38	188	0.52	107	< 10	208			
L10200N 10150E	201 202	580	4	1.92	61	1870	44	262	0.45	108	< 10	224			
L10200N 10175E	201 202	1060	4	1.44	59	1420	58	181	0.44	134	< 10	212			
L10200N 10200E	201 202	995	4	1.65	46	1890	40	168	0.45	117	< 10	142			
L10200N 10225E	201 202	895	5	1.97	56	2020	70	347	0.48	137	< 10	266			
L10200N 10250E	201 202	1190	4	1.36	29	2070	44	205	0.38	106	< 10	128			
L10200N 10275E	201 202	1820	5	1.49	30	2040	72	219	0.40	112	< 10	144			
L10200N 10300E	201 202	985	4	1.48	33	2490	110	216	0.40	105	< 10	188			
L10200N 10325E	201 202	655	5	1.41	31	1710	64	160	0.48	129	< 10	208			

CERTIFICATION: *David Terry*



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SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
L10200N 10350E	201 202	< 5	1.0	8.52	880	3.5	< 2	0.95	2.0	32	100	67	6.33	1.92	1.18
L10200N 10375E	201 202	< 5	1.4	6.50	570	2.5	< 2	0.70	0.5	15	86	35	4.82	1.52	0.82
L10200N 10400E	201 202	5	0.8	7.40	640	3.0	< 2	0.73	2.0	18	75	40	4.82	1.70	0.85
L10200N 10425E	201 202	10	1.2	7.38	930	2.5	< 2	0.74	3.0	21	85	65	4.84	1.74	1.06
L10200N 10450E	201 202	< 5	0.2	7.26	540	2.5	< 2	0.78	1.5	15	91	19	5.44	2.03	0.64
L10200N 10475E	201 202	< 5	0.8	7.98	1040	3.0	< 2	0.93	1.5	20	78	45	4.38	2.01	1.01
L10200N 10500E	201 202	< 5	0.6	7.98	1030	3.0	< 2	1.00	1.0	26	71	55	4.24	1.84	1.14
L10200N 10525E	201 202	10	1.6	8.13	1040	3.0	< 2	0.73	2.5	34	76	72	5.00	1.84	1.10
L10200N 10550E	201 202	5	1.2	8.33	1180	3.0	< 2	0.89	1.5	29	80	82	4.81	2.00	1.22
L10200N 10575E	201 202	< 5	2.8	7.14	960	3.0	< 2	0.52	1.5	39	71	297	7.91	1.64	1.03
L10200N 10600E	201 202	115	7.2	7.96	1120	2.5	< 2	0.34	0.5	13	117	89	7.99	2.12	1.04
L10200N 10625E	201 202	10	0.8	7.83	980	3.0	< 2	0.69	1.0	38	83	81	4.99	1.78	1.08
L10200N 10650E	201 202	20	1.0	8.61	1110	3.5	< 2	0.80	2.0	49	87	151	6.85	2.11	1.15
L10200N 10675E	201 202	< 5	0.8	7.77	910	3.0	< 2	0.87	1.0	25	71	62	4.21	1.77	1.11
L10200N 10700E	201 202	< 5	0.2	7.43	960	2.5	< 2	1.10	1.0	20	61	44	3.49	1.75	1.04
L10200N 10725E	201 202	< 5	0.2	7.72	790	3.0	< 2	0.83	0.5	16	70	35	4.02	1.62	1.20
L10200N 10750E	201 202	< 5	0.4	6.87	660	2.5	< 2	0.68	0.5	13	66	22	3.63	1.52	0.87
L10200N 10775E	201 202	< 5	< 0.2	6.96	830	2.0	< 2	0.74	0.5	12	66	17	3.20	1.74	0.80
L10200N 10800E	201 202	10	< 0.2	8.31	740	3.0	< 2	0.92	1.5	17	75	52	4.47	1.84	1.13
L10200N 10825E	201 202	< 5	0.8	7.27	710	2.5	< 2	0.75	1.0	14	69	36	4.40	1.63	0.71
L10200N 10850E	201 202	10	1.0	7.28	710	2.5	< 2	0.70	0.5	14	62	50	3.88	1.76	0.84
L10200N 10875E	201 202	< 5	1.6	7.76	950	3.0	< 2	1.10	1.0	16	78	90	3.80	1.89	1.19
L10200N 10900E	201 202	< 5	1.0	8.58	930	3.5	< 2	1.07	0.5	16	88	85	4.61	2.00	1.21
L10200N 10925E	201 202	< 5	< 0.2	8.87	1040	3.0	< 2	1.42	0.5	19	71	51	4.58	2.05	1.34
L10200N 10950E	201 202	5	< 0.2	7.70	1210	2.5	< 2	2.12	0.5	14	58	15	3.72	1.98	1.65
L10200N 10975E	201 202	< 5	< 0.2	7.64	1040	2.0	< 2	1.17	0.5	13	76	26	3.72	1.74	1.71
L10200N 11000E	201 202	< 5	0.8	8.05	930	3.0	< 2	1.83	2.0	14	77	31	3.59	1.87	1.10
L10200N 11025E	201 202	< 5	0.6	8.80	700	3.0	< 2	1.18	2.0	19	91	35	4.50	1.75	0.99
L10200N 11050E	201 202	< 5	0.4	8.14	1150	2.5	< 2	1.56	1.5	15	71	37	3.80	1.85	1.41
L10200N 11075E	201 202	< 5	0.8	8.99	410	3.5	< 2	0.95	0.5	16	89	24	5.77	1.67	1.00
L10200N 11100E	201 202	< 5	0.8	9.49	910	3.0	< 2	0.72	1.0	25	103	90	5.14	2.01	1.43
L10200N 11125E	201 202	< 5	1.2	8.23	880	2.5	< 2	0.77	0.5	22	87	32	5.34	1.79	1.43
L10200N 11150E	201 202	< 5	0.6	9.43	850	3.0	< 2	0.91	1.0	24	109	81	5.04	2.00	1.52
L10200N 11175E	201 202	< 5	0.2	7.67	530	2.5	< 2	0.87	< 0.5	11	68	13	4.45	1.54	0.85
L10200N 11200E	201 202	< 5	< 0.2	8.32	940	3.0	< 2	1.43	0.5	17	94	25	4.08	1.82	1.46
L10200N 11225E	201 202	< 5	< 0.2	8.62	850	2.5	< 2	1.17	0.5	18	80	30	4.58	1.69	1.35
L10200N 11250E	201 202	< 5	< 0.2	7.51	790	2.0	< 2	1.22	< 0.5	14	75	22	4.30	1.61	1.17
L10200N 11275E	201 202	< 5	< 0.2	7.12	610	2.0	< 2	0.90	< 0.5	12	54	16	3.98	1.64	0.86
L10200N 11300E	201 202	< 5	< 0.2	7.84	610	2.5	< 2	1.01	< 0.5	13	80	22	4.30	1.83	1.06
L10200N 11325E	201 202	< 5	< 0.2	7.04	430	2.5	< 2	0.67	1.5	14	80	18	5.88	1.76	0.72

CERTIFICATION:

David Terry



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: BOLIDEN - WESTMIN LIMITED
 ATTN: DAVID TERRY
 P.O. BOX 49066, STE. 904 - 1055 DUNSMUIR ST.
 VANCOUVER, BC
 V7X 1C4

Page Number : 5-B
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 Certificate Date: 22-SEP-1998
 Invoice No. : 19830790
 P.O. Number : 6112
 Account : GP D

Project : BEALE
 Comments: ATTN:DAVID TERRY CC:DAVID PAWLIUK

CERTIFICATE OF ANALYSIS A9830790

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)			
L10200N 10350E	201 202	1270	11	1.76	128	1340	166	215	0.52	138	< 10	652			
L10200N 10375E	201 202	610	7	1.36	46	1960	48	137	0.55	112	< 10	136			
L10200N 10400E	201 202	1045	10	1.58	53	2190	90	150	0.45	113	< 10	248			
L10200N 10425E	201 202	1065	14	1.17	84	1750	238	185	0.43	153	< 10	530			
L10200N 10450E	201 202	960	5	2.03	35	2140	34	145	0.65	112	< 10	138			
L10200N 10475E	201 202	915	7	1.73	65	1350	54	247	0.46	129	< 10	178			
L10200N 10500E	201 202	1040	8	1.66	84	1250	54	270	0.40	122	< 10	196			
L10200N 10525E	201 202	1305	10	1.39	122	1310	48	236	0.41	134	< 10	260			
L10200N 10550E	201 202	1125	6	1.59	101	1230	54	276	0.43	137	< 10	186			
L10200N 10575E	201 202	1395	15	1.07	136	1390	122	173	0.34	130	< 10	288			
L10200N 10600E	201 202	605	101	1.22	57	1130	606	170	0.38	220	< 10	244			
L10200N 10625E	201 202	2460	9	1.41	104	1950	76	197	0.39	135	< 10	242			
L10200N 10650E	201 202	2430	8	1.57	225	1690	142	215	0.37	128	< 10	412			
L10200N 10675E	201 202	1305	4	1.68	81	1140	60	228	0.41	113	< 10	200			
L10200N 10700E	201 202	1045	3	1.79	65	790	52	268	0.39	105	< 10	166			
L10200N 10725E	201 202	890	3	1.57	56	1270	48	180	0.42	115	< 10	170			
L10200N 10750E	201 202	740	3	1.48	33	1740	42	150	0.45	105	< 10	122			
L10200N 10775E	201 202	865	3	1.61	28	1290	50	187	0.45	108	< 10	108			
L10200N 10800E	201 202	1145	2	1.72	67	1650	46	184	0.45	109	< 10	292			
L10200N 10825E	201 202	1005	5	1.67	28	2310	54	181	0.41	104	< 10	124			
L10200N 10850E	201 202	1000	3	1.71	26	2180	44	162	0.40	100	< 10	116			
L10200N 10875E	201 202	945	3	1.32	64	2150	68	197	0.35	128	< 10	210			
L10200N 10900E	201 202	820	4	1.45	83	2000	62	179	0.43	131	< 10	258			
L10200N 10925E	201 202	1005	2	1.98	55	1920	50	286	0.47	129	< 10	168			
L10200N 10950E	201 202	750	1	2.29	22	930	32	624	0.49	149	< 10	92			
L10200N 10975E	201 202	765	1	1.60	40	870	44	191	0.41	128	< 10	218			
L10200N 11000E	201 202	690	1	2.12	48	1990	50	305	0.51	107	< 10	228			
L10200N 11025E	201 202	855	5	1.73	61	1820	66	173	0.51	109	< 10	368			
L10200N 11050E	201 202	810	4	1.94	43	1390	78	312	0.43	114	< 10	254			
L10200N 11075E	201 202	695	4	1.80	52	1900	38	107	0.56	104	< 10	174			
L10200N 11100E	201 202	1220	4	1.30	85	1270	74	124	0.46	159	< 10	280			
L10200N 11125E	201 202	975	4	1.51	49	1310	42	149	0.50	151	< 10	184			
L10200N 11150E	201 202	1220	2	1.51	69	1030	78	151	0.47	149	< 10	204			
L10200N 11175E	201 202	670	2	1.75	30	2180	24	157	0.41	83	< 10	108			
L10200N 11200E	201 202	595	< 1	2.24	47	750	32	305	0.50	125	< 10	98			
L10200N 11225E	201 202	805	1	1.76	41	1270	34	221	0.46	122	< 10	118			
L10200N 11250E	201 202	675	1	1.76	31	1870	30	242	0.50	120	< 10	106			
L10200N 11275E	201 202	815	4	1.75	22	1700	28	157	0.37	84	< 10	98			
L10200N 11300E	201 202	865	4	2.00	29	1830	30	167	0.46	104	< 10	112			
L10200N 11325E	201 202	805	5	1.82	26	1470	66	121	0.55	96	< 10	148			

CERTIFICATION: *David Terry*



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Project : BEALE
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CERTIFICATE OF ANALYSIS A9830790

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)
L10200N 11350E	201 202	< 5	0.6	8.15	1140	2.0	< 2	1.22	1.0	14	73	44	4.26	1.69	1.41
L10200N 11375E	201 202	< 5	< 0.2	8.59	1170	2.0	< 2	1.26	0.5	20	80	58	4.40	1.92	1.48
L10200N 11400E	201 202	< 5	< 0.2	6.95	940	1.5	< 2	1.14	1.5	17	66	33	3.72	1.58	1.12
L10200N 11425E	201 202	< 5	2.0	8.63	1090	3.0	< 2	1.58	2.0	19	79	40	4.29	1.98	1.44
L10200N 11450E	201 202	< 5	< 0.2	8.77	860	3.0	< 2	0.95	2.0	21	90	45	4.92	2.02	1.27
L10200N 11475E	201 202	< 5	< 0.2	7.85	1100	2.0	< 2	2.01	2.0	19	69	37	3.69	1.81	1.59
L10200N 11500E	201 202	< 5	< 0.2	8.49	900	3.0	< 2	1.13	0.5	17	97	45	4.30	2.00	1.31
L10400N 10000E	201 202	< 5	0.2	8.08	1030	2.5	< 2	1.73	2.0	15	75	30	4.60	1.92	1.40
L10400N 10025E	201 202	< 5	< 0.2	6.83	770	2.0	< 2	1.02	1.0	15	80	29	3.85	1.45	1.17
L10400N 10050E	201 202	< 5	< 0.2	8.37	950	3.0	< 2	1.28	1.5	19	79	36	4.37	1.87	1.30
L10400N 10075E	201 202	< 5	< 0.2	7.76	960	2.5	< 2	1.15	1.5	19	69	25	4.09	1.72	1.21
L10400N 10100E	201 202	< 5	< 0.2	8.19	740	3.5	< 2	0.91	2.0	19	93	60	5.02	1.84	1.22
L10400N 10125E	201 202	< 5	< 0.2	8.13	1100	2.0	< 2	0.92	2.5	15	93	48	4.10	1.90	1.49
L10400N 10150E	201 202	15	0.2	7.14	930	2.0	< 2	0.68	2.0	19	81	49	3.86	1.73	1.27
L10400N 10175E	201 202	< 5	< 0.2	6.14	700	2.0	< 2	1.75	4.0	16	72	24	4.02	1.56	0.92
L10400N 10200E	201 202	< 5	< 0.2	6.53	800	2.0	< 2	0.98	2.0	10	61	18	4.06	1.55	0.78
L10400N 10225E	201 202	5	0.6	8.44	690	3.0	< 2	1.17	3.5	23	94	63	5.13	2.00	1.24
L10400N 10250E	201 202	< 5	0.4	5.99	780	2.0	< 2	0.70	2.5	16	60	36	3.18	1.47	0.79
L10400N 10275E	201 202	< 5	0.8	6.16	640	2.0	< 2	0.53	1.5	13	77	33	4.20	1.36	0.77
L10400N 10300E	201 202	< 5	0.2	8.30	870	3.0	< 2	0.86	2.0	25	102	77	5.46	1.91	1.08
L10400N 10325E	201 202	< 5	< 0.2	6.93	990	2.0	< 2	0.48	1.5	15	86	33	3.54	1.95	1.03
L10400N 10350E	201 202	< 5	0.2	7.10	760	2.5	< 2	0.57	1.0	16	84	45	4.66	1.85	0.71
L10400N 10375E	201 202	40	1.2	7.47	920	3.0	< 2	0.43	1.5	25	88	59	4.71	1.91	0.91
L10400N 10400E	201 202	5	0.8	7.68	830	3.0	< 2	0.70	1.0	23	95	50	4.94	1.93	1.05
L10400N 10425E	201 202	< 5	< 0.2	7.88	1080	3.0	< 2	0.83	1.5	18	78	46	3.94	2.01	1.01
L10400N 10450E	201 202	< 5	1.0	8.14	1110	3.0	< 2	0.47	3.5	28	89	61	4.33	2.10	1.14
L10400N 10475E	201 202	10	1.8	8.84	1100	3.5	< 2	0.54	1.5	40	107	95	5.11	2.24	1.28
L10400N 10500E	201 202	< 5	1.8	8.87	1220	3.5	< 2	0.49	2.0	43	122	98	5.42	2.22	1.36
L10400N 10525E	201 202	< 5	0.4	10.65	1700	3.5	< 2	0.27	2.0	39	120	86	5.06	3.07	1.69
L10400N 10550E	201 202	< 5	1.4	10.50	1710	3.5	< 2	0.30	3.5	34	130	111	5.89	2.97	1.71
L10400N 10575E	201 202	< 5	< 0.2	8.54	1050	3.0	< 2	0.72	2.5	34	96	77	4.96	2.24	1.28
L10400N 10600E	201 202	< 5	2.6	11.00	1660	3.5	< 2	0.33	8.5	64	132	140	6.36	3.19	1.70
L10400N 10625E	201 202	< 5	1.8	9.81	1230	3.5	< 2	0.65	3.5	40	115	87	5.81	2.78	1.59
L10400N 10650E	201 202	5	1.4	9.33	1300	3.0	< 2	0.57	2.5	32	114	86	5.12	2.56	1.51
L10400N 10725E	201 202	< 5	0.4	8.35	870	3.0	< 2	0.65	1.0	14	80	28	4.41	2.08	0.96
L10400N 10750E	201 202	< 5	0.6	8.36	1050	2.5	< 2	0.45	1.0	19	96	55	4.30	2.16	1.23
L10400N 10775E	201 202	< 5	0.8	8.71	810	3.0	< 2	0.66	0.5	13	75	29	4.45	1.98	1.06
L10400N 10800E	201 202	< 5	0.4	7.93	410	3.0	< 6	0.78	0.5	13	78	10	4.51	1.55	0.75
L10400N 10825E	201 202	< 5	0.2	8.67	330	3.0	< 2	0.80	0.5	15	81	15	5.82	1.92	0.69
L10400N 10850E	201 202	< 5	0.6	8.13	750	2.5	< 2	0.54	1.0	15	79	30	4.85	1.90	0.92

CERTIFICATION: *David Terry*



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CERTIFICATE OF ANALYSIS A9830790

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)		
L10200N 11350E	201 202	925	1	1.48	35	1640	94	175	0.44	135	< 10	208		
L10200N 11375E	201 202	1200	3	1.64	48	1740	96	190	0.47	140	< 10	302		
L10200N 11400E	201 202	1040	3	1.47	34	2020	74	184	0.42	128	< 10	196		
L10200N 11425E	201 202	990	4	1.97	62	1750	50	353	0.48	131	< 10	364		
L10200N 11450E	201 202	1075	4	1.63	63	1830	42	172	0.51	131	< 10	308		
L10200N 11475E	201 202	1030	1	1.96	45	1240	40	298	0.49	137	< 10	170		
L10200N 11500E	201 202	820	6	1.72	57	1730	78	211	0.53	132	< 10	202		
L10400N 10000E	201 202	820	6	2.04	52	2230	36	320	0.52	132	< 10	290		
L10400N 10025E	201 202	775	3	1.33	42	2180	42	155	0.44	121	< 10	152		
L10400N 10050E	201 202	835	4	2.02	74	1400	44	276	0.49	113	< 10	290		
L10400N 10075E	201 202	885	3	1.69	44	1550	46	263	0.46	117	< 10	180		
L10400N 10100E	201 202	1530	6	1.58	62	2060	60	142	0.49	128	< 10	352		
L10400N 10125E	201 202	805	4	1.19	55	1710	60	150	0.42	161	< 10	600		
L10400N 10150E	201 202	865	5	1.08	64	1090	74	125	0.40	138	< 10	562		
L10400N 10175E	201 202	935	3	1.43	34	2410	68	227	0.44	106	< 10	312		
L10400N 10200E	201 202	585	5	1.73	24	1880	58	270	0.38	114	< 10	180		
L10400N 10225E	201 202	1205	5	1.78	77	1680	54	146	0.53	124	< 10	572		
L10400N 10250E	201 202	1000	4	1.20	37	1990	70	171	0.33	107	< 10	212		
L10400N 10275E	201 202	1485	4	1.13	31	2390	140	136	0.41	118	< 10	188		
L10400N 10300E	201 202	1525	6	1.34	83	2350	72	159	0.58	156	< 10	426		
L10400N 10325E	201 202	1265	5	1.00	34	1980	38	121	0.36	153	< 10	158		
L10400N 10350E	201 202	1170	7	1.48	40	2200	54	141	0.48	129	< 10	156		
L10400N 10375E	201 202	1870	7	1.17	53	3330	56	126	0.44	141	< 10	180		
L10400N 10400E	201 202	1335	7	1.47	63	2120	62	156	0.51	137	< 10	198		
L10400N 10425E	201 202	940	8	1.64	58	1710	72	237	0.41	145	< 10	214		
L10400N 10450E	201 202	1995	7	1.09	61	2600	76	123	0.37	146	< 10	186		
L10400N 10475E	201 202	2840	6	1.40	94	1890	88	145	0.41	149	< 10	222		
L10400N 10500E	201 202	2690	12	1.26	109	1900	104	142	0.39	226	< 10	274		
L10400N 10525E	201 202	1880	6	1.21	92	690	68	123	0.33	197	< 10	288		
L10400N 10550E	201 202	2280	11	0.97	94	1400	418	135	0.36	213	< 10	920		
L10400N 10575E	201 202	1805	12	1.55	101	1700	74	176	0.44	149	< 10	348		
L10400N 10600E	201 202	3900	15	1.14	151	1540	344	143	0.41	223	< 10	996		
L10400N 10625E	201 202	2590	10	1.65	101	1920	208	153	0.43	180	< 10	618		
L10400N 10650E	201 202	1775	9	1.30	90	1600	102	159	0.39	187	< 10	432		
L10400N 10725E	201 202	885	5	1.76	36	2010	54	162	0.44	120	< 10	164		
L10400N 10750E	201 202	965	6	1.23	61	1350	74	128	0.39	150	< 10	234		
L10400N 10775E	201 202	775	4	1.72	40	1380	42	147	0.41	113	< 10	178		
L10400N 10800E	201 202	685	3	1.78	27	1730	34	127	0.49	84	< 10	116		
L10400N 10825E	201 202	1155	4	2.15	24	2160	22	98	0.62	90	< 10	118		
L10400N 10850E	201 202	980	4	1.65	35	1980	40	132	0.44	114	< 10	146		

CERTIFICATION:

David Terry



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: BOLIDEN - WESTMIN LIMITED
 ATTN: DAVID TERRY
 P.O. BOX 49066, STE 904 - 1055 DUNSMUIR ST.
 VANCOUVER, BC
 V7X 1C4

Page Number : 7-A
 Total Pages : 7
 Certificate Date: 22-SEP-1998
 Invoice No. : 19830790
 P.O. Number : 6112
 Account : GP D

Project : BEALE
 Comments: ATTN:DAVID TERRY CC:DAVID PAWLIUK

CERTIFICATE OF ANALYSIS A9830790

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)
L10400N 10875E	201 202	< 5	0.4	8.50	1110	2.5	< 2	0.66	1.0	14	90	41	3.91	2.15	1.35
L10400N 10900E	201 202	< 5	1.2	8.66	1280	3.0	< 2	1.04	2.0	17	108	80	4.40	2.35	1.53
L10400N 10925E	201 202	10	0.4	8.26	1220	2.5	< 2	1.44	1.5	13	79	31	3.86	2.05	1.26
L10400N 10950E	201 202	< 5	< 0.2	9.81	450	3.0	6	1.77	0.5	13	121	45	3.42	1.96	0.78
L10400N 10975E	201 202	< 5	0.8	7.98	810	2.0	< 2	0.88	0.5	18	84	17	4.92	1.83	1.28
L10400N 11000E	201 202	< 5	< 0.2	8.37	1200	2.5	< 2	1.73	0.5	17	57	19	3.25	2.03	1.05
L10400N 11025E	201 202	< 5	< 0.2	7.64	1080	2.0	< 2	1.41	1.0	18	70	40	3.55	1.79	1.40
L10400N 11050E	201 202	< 5	< 0.2	7.07	990	1.5	< 2	1.06	0.5	13	62	17	3.84	1.69	1.32
L10400N 11075E	201 202	< 5	0.6	6.83	490	2.5	< 2	0.70	0.5	13	69	6	5.66	1.70	0.63
L10400N 11100E	201 202	< 5	1.2	8.37	500	3.0	< 2	0.90	0.5	12	83	12	4.55	1.80	0.77
L10400N 11125E	201 202	< 5	1.6	8.09	330	3.0	< 2	0.66	0.5	12	75	10	4.97	1.55	0.61
L10400N 11150E	201 202	< 5	0.2	7.40	420	3.5	< 2	0.69	0.5	10	58	20	5.28	1.62	0.65
L10400N 11175E	201 202	< 5	0.8	9.07	660	3.5	< 2	0.94	1.0	22	91	50	4.75	1.78	1.24
L10400N 11200E	201 202	< 5	0.6	8.28	440	4.5	< 2	1.06	0.5	15	65	51	4.95	1.66	0.76
L10400N 11225E	201 202	< 5	0.4	7.41	500	2.5	< 2	0.61	0.5	16	79	29	5.14	1.58	0.86
L10400N 11250E	201 202	< 5	< 0.2	8.30	470	3.0	< 2	0.81	< 0.5	19	85	36	5.18	1.62	0.98
L10400N 11350E	201 202	< 5	0.2	8.40	660	2.5	< 2	0.97	0.5	33	92	112	5.73	1.85	2.08
L10400N 11375E	201 202	< 5	0.2	7.94	610	2.5	< 2	0.67	0.5	27	73	96	5.43	1.69	1.71
L10400N 11400E	201 202	< 5	< 0.2	8.29	520	3.0	< 2	0.84	0.5	23	63	88	5.43	1.87	1.34
L10400N 11425E	201 202	< 5	0.2	7.13	710	2.0	< 2	0.70	0.5	21	66	110	4.01	1.56	1.63
L10400N 11475E	201 202	< 5	0.2	7.00	400	2.5	8	0.80	0.5	18	71	63	4.36	1.37	0.99
L10400N 11500E	201 202	< 5	0.6	8.26	960	2.5	< 2	1.17	1.5	27	68	123	4.54	1.88	1.83

CERTIFICATION:

David Terry



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: BOLIDEN - WESTMIN LIMITED
 ATTN: DAVID TERRY
 P.O. BOX 49066, STE. 904 - 1055 DUNSMUIR ST.
 VANCOUVER, BC
 V7X 1C4

Page Number : 7-B
 Total Pages : 7
 Certificate Date: 22-SEP-1998
 Invoice No. : 19830790
 P.O. Number : 6112
 Account : GP D

Project : BEALE
 Comments: ATTN:DAVID TERRY CC:DAVID PAWLIUK

CERTIFICATE OF ANALYSIS A9830790

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)			
L10400N 10875E	201 202	630	5	1.32	53	1720	46	161	0.38	147	< 10	186			
L10400N 10900E	201 202	850	3	1.04	86	1520	66	172	0.35	173	< 10	342			
L10400N 10925E	201 202	935	3	1.75	49	2060	46	274	0.44	128	< 10	262			
L10400N 10950E	201 202	340	5	2.52	33	1210	16	185	0.72	116	< 10	146			
L10400N 10975E	201 202	1140	1	1.80	30	1370	90	142	0.53	126	< 10	168			
L10400N 11000E	201 202	765	1	2.53	32	2100	50	396	0.42	101	< 10	112			
L10400N 11025E	201 202	915	1	1.85	34	1090	82	227	0.45	119	< 10	154			
L10400N 11050E	201 202	690	1	1.61	31	820	40	201	0.42	109	< 10	120			
L10400N 11075E	201 202	970	4	1.91	17	1550	30	157	0.59	104	< 10	100			
L10400N 11100E	201 202	480	3	2.12	26	1490	36	144	0.53	90	< 10	112			
L10400N 11125E	201 202	630	5	1.76	21	1670	28	92	0.49	81	< 10	98			
L10400N 11150E	201 202	820	5	1.80	28	3470	26	114	0.40	84	< 10	226			
L10400N 11175E	201 202	1000	3	1.58	69	1700	76	140	0.46	115	< 10	300			
L10400N 11200E	201 202	1120	3	1.78	38	2430	36	117	0.39	78	< 10	214			
L10400N 11225E	201 202	1095	3	1.62	23	2070	26	114	0.58	118	< 10	118			
L10400N 11250E	201 202	1110	5	1.78	33	2660	30	132	0.53	115	< 10	120			
L10400N 11350E	201 202	2370	1	2.05	53	2080	48	159	0.60	161	< 10	162			
L10400N 11375E	201 202	2440	1	1.84	36	2340	54	130	0.51	151	< 10	132			
L10400N 11400E	201 202	2070	1	2.16	36	1850	54	132	0.44	115	< 10	132			
L10400N 11425E	201 202	1310	1	1.53	32	2240	52	155	0.40	134	< 10	120			
L10400N 11475E	201 202	1210	1	1.58	33	2080	222	113	0.47	97	< 10	196			
L10400N 11500E	201 202	1880	< 1	1.94	44	2440	144	245	0.45	149	< 10	196			

CERTIFICATION: Hart Fischer



Chemex Labs Ltd.

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

To: BOLIDEN - WESTMIN LIMITED

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

INVOICE NUMBER I 9 8 3 0 6 2 1

BILLING INFORMATION

Date: 18-SEP-98
Project: BEALE
P.O. No.: 6112
Account: GP D

Comments:

Billing: For analysis performed on
Certificate A9830621

Terms: Payment due on receipt of invoice
1.25% per month (15% per annum)
charged on overdue accounts

Please Remit Payments to:

CHEMEX LABS LTD.
212 Brooksbank Ave.,
North Vancouver, B.C.
Canada V7J 2C1

COPY

# OF SAMPLES	ANALYSED FOR CODE - DESCRIPTION	UNIT PRICE	SAMPLE PRICE	AMOUNT
7	208 - Assay ring to approx 150 mesh ICP Basic Whole Rock 0-3 Kg crush and split	2.50 21.00 2.60		182.70
Total Cost \$				182.70
Client Discount (25%) \$				-45.68
Net Cost \$				137.02
(Reg# R100938885) GST \$				9.59
TOTAL PAYABLE (CDN) \$				146.61



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: BOLIDEN - WESTMIN LIMITED
 ATTN: DAVID TERRY
 P.O. BOX 49066, STE. 904 - 1055 DUNSMUIR ST.
 VANCOUVER, BC
 V7X 1C4

QC Page #: 1
 Tot QC Pg: 1
 Date: 17-SEP-1998
 Invoice #: 19830621
 P.O. #: 6112
 GP D

Project: BEALE
 Comments: ATTN:DAVID TERRY CC:DAVID PAWLIUK

QC DATA OF CERTIFICATE A9830621

STD/DUP/BLANK DESCRIPTION	QC TYPE	PAGE NO.	Al2O3 %	CaO %	Cr2O3 %	Fe2O3 %	K2O %	MgO %	MnO %	Na2O %	P2O5 %	SiO2 %	TiO2 %	LOI %	TOTAL %
CHEMEX MEAN	Blk	1	----	----	----	----	----	----	----	----	----	----	----	----	----
SY-4 CHEMEX MEAN	Std	1	20.58	8.08	< 0.01	6.16	1.62	0.55	0.12	7.18	0.07	50.67	0.30	----	----
	---	---	20.69	8.05	< 0.01	6.21	1.66	0.54	0.11	7.10	0.13	49.90	0.29	----	----
	Dupl	01	----	----	----	----	----	----	----	----	----	----	----	----	----
	Orig	01	14.31	7.87	0.03	12.95	0.39	8.27	0.22	3.10	0.10	47.91	1.74	3.00	99.89

CERTIFICATION: *Hart Riehlen*



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: BOLIDEN - WESTMIN LIMITED
ATTN: DAVID TERRY
P.O. BOX 49066, STE. 904 - 1055 DUNSMUIR ST.
VANCOUVER, BC
V7X 1C4

A9830621

Comments: ATTN:DAVID TERRY CC:DAVID PAWLIUK

CERTIFICATE **A9830621**

(GP D) - BOLIDEN - WESTMIN LIMITED

Project: BEALE
P.O.#: 6112

Samples submitted to our lab in Vancouver, BC.
This report was printed on 17-SEP-1998.

SAMPLE PREPARATION		
CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
208	7	Assay ring to approx 150 mesh
226	7	0-3 Kg crush and split
3202	7	Rock - save entire reject
200	7	Whole rock fusion

ANALYTICAL PROCEDURES					
CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
594	7	Al2O3 %: Whole rock	ICP-AES	0.01	100.00
588	7	CaO %: Whole rock	ICP-AES	0.01	100.00
590	7	Cr2O3 %: Whole Rock	ICP-AES	0.01	100.00
586	7	Fe2O3(total) %: Whole rock	ICP-AES	0.01	100.00
821	7	K2O %: Whole rock	ICP-AES	0.01	100.00
593	7	MgO %: Whole rock	ICP-AES	0.01	100.00
596	7	MnO %: Whole rock	ICP-AES	0.01	100.00
599	7	Na2O %: Whole rock	ICP-AES	0.01	100.00
597	7	P2O5 %: Whole rock	ICP-AES	0.01	100.00
592	7	SiO2 %: Whole rock	ICP-AES	0.01	100.00
595	7	TiO2 %: Whole rock	ICP-AES	0.01	100.00
475	7	L.O.I. %: @ 1000 deg.C	FURNACE	0.01	100.00
540	7	Total %	CALCULATION	0.01	105.00



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: BOLIDEN - WESTMIN LIMITED
 ATTN: DAVID TERRY
 P.O. BOX 49066, STE. 904 - 1055 DUNSMUIR ST.
 VANCOUVER, BC
 V7X 1C4

Page : 1
 Total Pages : 1
 Certificate Date: 17-SEP-1998
 Invoice No. : 19830621
 P.O. Number : 6112
 Account : GP D

Project : BEALE
 Comments : ATTN:DAVID TERRY CC:DAVID PAWLIUK

CERTIFICATE OF ANALYSIS A9830621

SAMPLE	PREP CODE	Al2O3 %	CaO %	Cr2O3 %	Fe2O3 %	K2O %	MgO %	MnO %	Na2O %	P2O5 %	SiO2 %	TiO2 %	LOI %	TOTAL %
BE 2051	208 226	14.31	7.87	0.03	12.95	0.39	8.27	0.22	3.10	0.10	47.91	1.74	3.00	99.89
BE 2052	208 226	13.96	9.26	0.03	11.71	0.34	7.97	0.30	2.34	0.15	50.67	1.49	2.95	101.15
BE 2053	208 226	1.97	0.64	0.05	2.08	0.15	0.50	0.03	0.38	< 0.01	94.14	0.11	0.59	100.65
BE 2062	208 226	14.51	6.87	0.03	10.43	0.26	6.69	0.21	4.30	0.12	47.35	1.59	8.06	100.40
BE 3024	208 226	15.68	7.70	0.04	11.11	0.56	9.02	0.18	3.57	0.09	48.54	1.70	2.67	100.85
BE 3027	208 226	13.91	11.09	0.01	12.06	0.52	8.16	0.23	2.37	0.05	48.41	1.82	2.42	101.05
BE 3029	208 226	13.19	11.74	0.02	12.39	0.29	8.91	0.21	2.47	0.09	48.75	1.67	1.50	101.25

CERTIFICATION: Hart Ruchler



Chemex Labs Ltd.

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

To: BOLIDEN - WESTMIN LIMITED

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

INVOICE NUMBER

I 9 8 3 0 6 1 7

BILLING INFORMATION

Date: 20-SEP-98
Project: BEALE
P.O. No.: 6112
Account: GPD

Comments:

Billing: For analysis performed on
Certificate A9830617

Terms: Payment due on receipt of invoice
1.25% per month (15% per annum)
charged on overdue accounts

Please Remit Payments to:

CHEMEX LABS LTD.
212 Brooksbank Ave.,
North Vancouver, B.C.
Canada V7J 2C1

# OF SAMPLES	ANALYSED FOR CODE - DESCRIPTION	UNIT PRICE	SAMPLE PRICE	AMOUNT
145	208 - Assay ring to approx 150 mesh ICP-24	2.50	10.50	
	0-3 Kg crush and split	2.60		
	983 - Au ppb FA+AA	9.75	25.35	3675.75
Total Cost \$				3675.75
Client Discount (25%) \$				<u>-918.94</u>
Net Cost \$				2756.81
(Reg# R100938885) GST \$				<u>192.98</u>
TOTAL PAYABLE (CDN) \$				2949.79

COPY



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: BOLIDEN - WESTMIN LIMITED
 ATTN: DAVID TERRY
 P.O. BOX 49066, STE. 904 · 1055 DUNSMUIR ST.
 VANCOUVER, BC
 V7X 1C4

A9830617

Comments: ATTN:DAVID TERRY CC:DAVID PAWLIUK

CERTIFICATE

A9830617

(GP D) - BOLIDEN - WESTMIN LIMITED

Project: BEALE
 P.O. #: 6112

Samples submitted to our lab in Vancouver, BC.
 This report was printed on 19-SEP-1998.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
208	145	Assay ring to approx 150 mesh
226	145	0-3 Kg crush and split
3202	145	Rock - save entire reject
285	145	ICP - HF digestion charge

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	145	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
578	145	Ag ppm: 24 element, rock & core	AAS	0.2	100.0
573	145	Al %: 24 element, rock & core	ICP-AES	0.01	25.0
565	145	Ba ppm: 24 element, rock & core	ICP-AES	10	10000
575	145	Be ppm: 24 element, rock & core	ICP-AES	0.5	1000
561	145	Bi ppm: 24 element, rock & core	ICP-AES	2	10000
576	145	Ca %: 24 element, rock & core	ICP-AES	0.01	25.0
562	145	Cd ppm: 24 element, rock & core	ICP-AES	0.5	500
563	145	Co ppm: 24 element, rock & core	ICP-AES	1	10000
569	145	Cr ppm: 24 element, rock & core	ICP-AES	1	10000
577	145	Cu ppm: 24 element, rock & core	ICP-AES	1	10000
566	145	Fe %: 24 element, rock & core	ICP-AES	0.01	25.0
584	145	K %: 24 element, rock & core	ICP-AES	0.01	10.00
570	145	Mg %: 24 element, rock & core	ICP-AES	0.01	15.00
568	145	Mn ppm: 24 element, rock & core	ICP-AES	5	10000
554	145	Mo ppm: 24 element, rock & core	ICP-AES	1	10000
583	145	Na %: 24 element, rock & core	ICP-AES	0.01	10.00
564	145	Ni ppm: 24 element, rock & core	ICP-AES	1	10000
559	145	P ppm: 24 element, rock & core	ICP-AES	10	10000
560	145	Pb ppm: 24 element, rock & core	AAS	2	10000
582	145	Sr ppm: 24 element, rock & core	ICP-AES	1	10000
579	145	Ti %: 24 element, rock & core	ICP-AES	0.01	10.00
572	145	V ppm: 24 element, rock & core	ICP-AES	1	10000
556	145	W ppm: 24 element, rock & core	ICP-AES	10	10000
558	145	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: BOLIDEN - WESTMIN LIMITED
 ATTN: DAVID TERRY
 P.O. BOX 49066, STE. 904 - 1055 DUNSMUIR ST.
 VANCOUVER, BC
 V7X 1C4

Page Number : 1-A
 Total Pages : 4
 Certificate Date: 19-SEP-1998
 Invoice No. : 19830617
 P.O. Number : 6112
 Account : GP D

Project : BEALE
 Comments: ATTN:DAVID TERRY CC:DAVID PAWLIUK

* PLEASE NOTE

CERTIFICATE OF ANALYSIS A9830617

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)
BE 2000	208 226	5	< 0.2	1.26	320	< 0.5	< 2	0.17	< 0.5	5	216	105	1.56	0.94	0.31
BE 2001	208 226	40	< 0.2	2.04	130	< 0.5	< 2	2.41	< 0.5	28	221	166	4.11	0.17	1.23
BE 2002	208 226	90	< 0.2	5.02	340	0.5	< 2	3.13	0.5	9	401	210	3.45	0.69	1.66
BE 2003	208 226	15	0.2	1.23	140	< 0.5	< 2	1.08	0.5	10	211	283	3.14	0.25	0.59
BE 2004	208 226	< 5	< 0.2	8.65	540	0.5	< 2	1.87	< 0.5	16	69	38	3.39	1.30	2.90
BE 2005	208 226	< 5	< 0.2	8.69	370	0.5	< 2	1.17	< 0.5	13	109	145	4.34	1.96	2.89
BE 2006	208 226	< 5	< 0.2	7.06	360	< 0.5	< 2	0.43	< 0.5	4	121	21	3.66	1.85	1.28
BE 2007	208 226	< 5	< 0.2	7.38	400	< 0.5	< 2	1.22	< 0.5	11	160	23	3.29	1.58	2.38
BE 2008	208 226	< 5	< 0.2	8.30	680	< 0.5	< 2	0.16	< 0.5	8	303	12	5.28	2.58	3.15
BE 2009	208 226	< 5	< 0.2	6.29	420	< 0.5	< 2	1.80	< 0.5	15	817	38	3.60	1.89	6.00
BE 2010	208 226	< 5	< 0.2	8.35	320	< 0.5	< 2	0.60	< 0.5	8	238	65	4.07	1.44	3.87
BE 2011	208 226	< 5	< 0.2	8.51	280	< 0.5	< 2	0.83	< 0.5	18	379	121	4.10	1.19	4.82
BE 2012	208 226	< 5	3.2	1.26	120	0.5	< 2	0.03	< 0.5	3	160	19	0.81	0.27	0.07
BE 2013	208 226	< 5	1.4	1.53	3190	0.5	< 2	0.11	1.0	5	183	55	1.33	0.55	0.37
BE 2014	208 226	10	< 0.2	1.87	2560	0.5	< 2	0.33	1.0	8	177	105	1.59	0.60	0.49
BE 2015	208 226	4260	3.0	9.30	1480	0.5	< 2	2.57	14.0	20	142	353	4.48	2.97	2.39
BE 2016	208 226	1525	1.4	3.79	90	< 0.5	< 2	0.30	26.0	9	165	228	5.09	0.72	3.54
BE 2017	208 226	30	< 0.2	1.32	140	< 0.5	< 2	0.91	< 0.5	5	227	95	1.96	0.47	0.89
BE 2018	208 226	145	0.8	9.16	860	0.5	< 2	3.89	4.5	22	286	190	5.79	1.96	2.13
BE 2019	208 226	< 5	< 0.2	6.25	360	0.5	< 2	2.40	< 0.5	24	138	190	4.76	0.80	1.54
BE 2020	208 226	< 5	0.2	6.10	220	0.5	< 2	4.16	< 0.5	24	84	188	6.58	0.68	2.35
BE 2021	208 226	< 5	0.2	6.59	70	< 0.5	< 2	2.31	< 0.5	38	88	415	3.68	0.24	1.71
BE 2022	208 226	< 5	< 0.2	10.80	400	0.5	< 2	3.34	< 0.5	18	68	154	5.13	2.93	1.88
BE 2023	208 226	< 5	< 0.2	1.79	900	< 0.5	< 2	0.09	< 0.5	5	167	13	1.17	0.67	0.52
BE 2024	208 226	20	0.6	0.61	190	1.5	< 2	0.04	< 0.5	< 1	180	180	13.00	0.04	0.04
BE 2025	208 226	< 5	0.2	0.99	2090	1.0	< 2	0.27	0.5	7	223	78	6.99	0.32	0.24
BE 2026	208 226	< 5	< 0.2	10.45	1430	1.5	8	3.96	0.5	44	326	45	7.93	1.74	2.48
BE 2027	208 226	< 5	0.2	5.59	50	< 0.5	6	1.61	< 0.5	14	203	64	6.43	0.07	1.08
BE 2028	208 226	< 5	< 0.2	9.20	100	0.5	< 2	3.41	< 0.5	29	256	133	6.25	0.15	1.30
BE 2029	208 226	< 5	0.4	2.18	40	2.5	< 2	0.04	1.5	3	214	168	1.72	0.19	0.06
BE 2030	208 226	< 5	13.4	1.28	40	1.0	< 2	0.04	1.5	3	141	438	1.34	0.30	0.07
BE 2031	208 226	< 5	7.6	2.43	70	2.0	< 2	0.03	1.5	2	232	371	1.10	0.77	0.14
BE 2032	208 226	< 5	15.8	5.72	60	2.5	26	6.87	20.5	44	92	663	11.20	0.09	2.36
BE 2033	208 226	< 5	49.6	5.04	30	3.5	104	3.85	66.5	88	77	1790	14.15	0.10	1.82
BE 2034	208 226	< 5	25.0	6.91	700	3.5	58	1.85	17.5	71	85	761	12.75	0.46	2.43
BE 2035	208 226	< 5	2.6	1.39	100	3.0	2	0.15	7.5	14	160	64	5.22	0.18	0.13
BE 2036	208 226	< 5	5.0	1.32	80	2.0	4	0.09	5.5	4	174	143	0.91	0.34	0.13
BE 2037	208 226	< 5	2.2	2.28	70	2.0	4	0.06	3.5	5	214	65	13.00	0.06	0.08
BE 2038	208 226	< 5	< 0.2	9.11	70	0.5	< 2	3.24	< 0.5	14	95	25	5.15	0.43	4.73
BE 2039	208 226	< 5	0.6	2.18	40	< 0.5	< 2	1.01	1.0	28	282	214	2.40	0.11	0.58

CERTIFICATION: *Hart Riedler*

* INTERFERENCE: Cu on Bi and P



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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To: BOLIDEN - WESTMIN LIMITED
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Project: BEALE
Comments: ATTN:DAVID TERRY CC:DAVID PAWLIUK

* PLEASE NOTE

CERTIFICATE OF ANALYSIS A9830617

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)			
BE 2000	208 226	145	3	0.11	20	300	10	37	0.05	63	< 10	24			
BE 2001	208 226	1045	8	0.36	44	570	20	64	0.11	97	< 10	76			
BE 2002	208 226	485	9	0.47	18	350	48	100	0.14	185	< 10	72			
BE 2003	208 226	585	14	0.14	16	210	32	29	0.05	100	< 10	50			
BE 2004	208 226	810	< 1	3.16	25	330	10	148	0.22	130	< 10	62			
BE 2005	208 226	520	< 1	2.89	25	320	60	173	0.28	288	< 10	36			
BE 2006	208 226	310	3	2.08	9	270	8	80	0.16	136	< 10	18			
BE 2007	208 226	545	< 1	2.12	34	300	8	105	0.20	165	< 10	36			
BE 2008	208 226	305	< 1	1.18	61	300	10	49	0.15	237	< 10	20			
BE 2009	208 226	425	< 1	0.78	226	100	6	41	0.12	139	< 10	30			
BE 2010	208 226	430	1	2.48	35	230	6	90	0.15	185	< 10	26			
BE 2011	208 226	555	< 1	2.79	97	210	8	105	0.13	199	< 10	32			
BE 2012	208 226	320	7	0.03	6	140	266	8	0.06	38	< 10	114			
BE 2013	208 226	915	< 1	0.21	12	210	74	28	0.08	57	< 10	78			
BE 2014	208 226	1170	< 1	0.28	15	140	50	54	0.11	54	< 10	34			
BE 2015	208 226	485	7	2.13	32	300	90	257	0.32	233	< 10	1575			
BE 2016	208 226	350	160	0.59	21	560	138	33	0.07	138	< 10	3220			
BE 2017	208 226	390	7	0.17	24	840	12	24	0.10	76	< 10	38			
BE 2018	208 226	855	1	0.93	55	250	430	253	0.30	136	< 10	424			
BE 2019	208 226	1535	4	2.38	19	430	12	255	0.27	255	< 10	56			
BE 2020	208 226	1260	< 1	2.89	23	1610	14	189	1.16	165	< 10	84			
BE 2021	208 226	785	1	3.81	28	330	18	126	0.17	84	< 10	60			
BE 2022	208 226	285	1	1.60	15	980	14	156	0.25	204	< 10	58			
BE 2023	208 226	375	< 1	0.26	16	90	6	24	0.09	31	< 10	44			
BE 2024	208 226	265	7	0.01	6	2140	12	13	0.06	116	< 10	36			
BE 2025	208 226	380	4	0.01	18	1710	8	21	0.05	53	< 10	36			
BE 2026	208 226	1725	< 1	1.76	102	2470	14	687	1.58	172	< 10	78			
BE 2027	208 226	1680	< 1	2.57	41	2010	10	198	0.71	162	< 10	50			
BE 2028	208 226	1175	< 1	4.30	56	2070	10	419	1.40	96	< 10	56			
BE 2029	208 226	165	32	0.05	15	60	336	23	0.03	45	< 10	646			
BE 2030	208 226	650	371	0.05	6	30	>10000	26	0.01	50	< 10	730			
BE 2031	208 226	540	362	0.04	5	< 10	>10000	23	0.01	164	< 10	580			
BE 2032	208 226	>10000	1	0.12	27	380	2650	530	0.42	158	< 10	3020			
BE 2033	208 226	>10000	1	0.10	26	460	>10000	175	0.29	137	< 10	9760			
BE 2034	208 226	>10000	18	0.13	46	700	3510	115	0.56	180	< 10	3070			
BE 2035	208 226	1220	167	0.01	25	420	808	24	0.11	62	< 10	756			
BE 2036	208 226	855	215	0.02	4	40	766	21	0.03	50	< 10	684			
BE 2037	208 226	265	67	< 0.01	15	950	2690	23	0.29	149	< 10	806			
BE 2038	208 226	1880	1	2.05	47	40	28	219	0.28	98	< 10	110			
BE 2039	208 226	515	9	0.54	45	850	132	81	0.19	137	< 10	108			

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SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
BE 2040	208 226	< 5	1.0	7.35	90	0.5	< 2	7.08	< 0.5	42	224	566	7.59	0.24	4.35
BE 2041	208 226	< 5	0.2	8.08	400	< 0.5	< 2	0.96	< 0.5	25	194	7	4.52	0.63	3.55
BE 2042	208 226	< 5	0.6	8.49	140	< 0.5	< 2	5.08	0.5	22	219	245	4.57	0.42	4.06
BE 2043	208 226	< 5	2.6	3.77	100	0.5	< 2	5.74	1.0	176	355	1830	17.80	0.26	2.95
BE 2044	208 226	< 5	0.2	4.34	320	1.5	< 2	1.96	0.5	22	214	195	3.23	0.88	0.53
BE 2045	208 226	< 5	< 0.2	1.50	100	< 0.5	< 2	1.35	< 0.5	19	389	208	3.90	0.40	0.26
BE 2046	208 226	< 5	1.0	6.05	150	0.5	< 2	2.82	< 0.5	124	176	735	6.87	0.95	1.82
BE 2047	208 226	< 5	< 0.2	3.41	130	< 0.5	2	3.61	< 0.5	27	279	526	7.17	0.23	2.42
BE 2047A	208 226	< 5	< 0.2	1.80	310	< 0.5	< 2	1.82	< 0.5	15	237	218	7.06	0.15	1.39
BE 2048	208 226	5	11.4	4.46	280	1.0	< 2	0.17	1.5	7	116	283	6.68	0.68	1.66
BE 2049	208 226	< 5	0.2	5.91	60	< 0.5	< 2	4.75	0.5	34	87	163	7.28	0.25	4.28
BE 2050	208 226	< 5	< 0.2	7.52	40	< 0.5	< 2	7.25	1.0	44	160	135	7.35	0.27	4.20
BE 2057	208 226	< 5	0.6	10.45	2910	2.5	< 2	1.40	0.5	8	200	15	3.26	4.14	1.56
BE 2058	208 226	< 5	0.2	9.92	1940	1.5	< 2	0.43	1.0	8	143	30	2.91	4.27	1.41
BE 2059	208 226	< 5	1.0	7.65	1640	1.5	< 2	0.31	1.0	17	223	78	2.32	3.54	1.05
BE 2060	208 226	< 5	< 0.2	8.98	1490	2.5	< 2	0.95	1.5	7	144	31	2.30	2.65	1.72
BE 2061	208 226	< 5	2.8	8.19	1290	2.0	< 2	0.13	3.0	12	149	15	7.22	2.10	1.79
BE 2063	208 226	< 5	3.0	7.09	690	1.5	< 2	0.12	3.5	10	143	16	9.82	1.27	1.37
BE 2064	208 226	< 5	0.2	1.19	60	< 0.5	< 2	13.05	1.5	2	90	3	1.51	0.07	7.06
BE 2065	208 226	< 5	0.8	7.50	70	< 0.5	< 2	3.96	< 0.5	58	165	556	8.29	0.28	5.59
BE 2071	208 226	< 5	< 0.2	5.23	340	< 0.5	< 2	2.73	0.5	12	213	402	16.95	0.71	1.36
BE 2072	208 226	< 5	< 0.2	4.76	340	1.5	< 2	2.22	< 0.5	26	169	178	17.00	0.97	0.92
BE 2073	208 226	< 5	< 0.2	5.18	380	1.5	< 2	2.55	< 0.5	6	169	211	17.95	0.86	1.21
BE 2074	208 226	< 5	< 0.2	4.64	380	2.0	< 2	2.55	< 0.5	14	154	135	21.2	0.68	1.16
BE 2075	208 226	10	< 0.2	4.80	400	1.5	< 2	1.69	< 0.5	23	166	431	22.7	0.87	1.07
BE 2076	208 226	10	< 0.2	5.58	590	2.0	< 2	1.58	< 0.5	26	186	206	13.40	1.37	1.25
BE 3000	208 226	< 5	< 0.2	8.50	2650	0.5	< 2	3.60	0.5	17	306	123	4.36	2.09	1.80
BE 3001	208 226	< 5	< 0.2	4.41	60	< 0.5	< 2	0.31	< 0.5	12	194	62	2.57	0.17	1.00
BE 3002	208 226	10	< 0.2	8.25	90	< 0.5	< 2	7.62	< 0.5	25	337	4	5.15	0.25	4.12
BE 3003	208 226	40	< 0.2	5.60	60	0.5	< 2	7.79	< 0.5	68	679	347	10.05	0.22	5.26
BE 3004	208 226	< 5	< 0.2	7.32	230	0.5	< 2	1.36	< 0.5	16	354	31	4.20	1.00	4.46
BE 3005	208 226	< 5	1.6	0.83	90	0.5	< 2	0.06	< 0.5	1	249	11	0.54	0.23	0.07
BE 3006	208 226	< 5	1.2	0.93	130	1.5	< 2	0.02	1.0	3	181	29	2.76	0.26	0.06
BE 3007	208 226	35	0.2	2.33	330	0.5	< 2	0.60	< 0.5	11	250	160	2.36	0.77	0.59
BE 3008	208 226	5	< 0.2	2.06	370	< 0.5	< 2	0.44	< 0.5	7	293	46	1.81	0.58	0.60
BE 3009	208 226	6330	2.0	2.52	120	< 0.5	< 2	0.10	60.5	23	119	611	5.81	0.56	1.76
BE 3010	208 226	2310	1.6	3.81	250	< 0.5	< 2	0.16	110.0	19	115	708	6.64	0.83	2.10
BE 3011	208 226	2860	1.6	4.16	120	< 0.5	< 2	0.16	51.5	18	125	567	4.30	0.90	3.28
BE 3012	208 226	10	0.2	0.82	110	< 0.5	< 2	0.23	0.5	14	234	289	2.19	0.23	0.28
BE 3013	208 226	< 5	0.2	0.80	100	< 0.5	< 2	0.28	< 0.5	4	217	139	2.20	0.41	0.29

CERTIFICATION:

David Terry

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BE 2040	208 226	1430	18	1.90	79	1090	10	290	0.95	330	< 10	142			
BE 2041	208 226	790	< 1	3.81	79	200	112	118	0.18	145	< 10	80			
BE 2042	208 226	2080	< 1	2.84	91	330	26	205	0.39	151	< 10	142			
BE 2043	208 226	5880	< 1	0.47	143	2600	104	83	0.99	579	< 10	266			
BE 2044	208 226	360	22	1.35	48	2690	16	137	0.31	202	< 10	88			
BE 2045	208 226	200	34	0.40	66	3610	6	47	0.08	188	< 10	42			
BE 2046	208 226	1060	< 1	2.54	164	600	10	238	0.45	199	< 10	74			
BE 2047	208 226	2200	< 1	0.65	44	1310	4	46	0.58	284	< 10	100			
BE 2047A	208 226	2700	< 1	0.18	26	1270	6	20	0.14	130	< 10	80			
BE 2048	208 226	4070	< 1	0.05	27	450	4630	22	0.28	62	< 10	1995			
BE 2049	208 226	1630	< 1	1.72	21	550	18	108	1.07	411	< 10	216			
BE 2050	208 226	1335	< 1	1.94	49	530	24	163	0.89	350	< 10	460			
BE 2057	208 226	570	23	1.58	18	490	52	286	0.35	292	< 10	130			
BE 2058	208 226	535	2	0.83	16	480	42	95	0.25	147	< 10	100			
BE 2059	208 226	320	44	0.61	23	460	40	68	0.17	313	< 10	94			
BE 2060	208 226	510	3	1.16	19	410	24	207	0.41	184	< 10	72			
BE 2061	208 226	4680	5	0.14	53	640	1220	48	0.34	152	< 10	2030			
BE 2063	208 226	5930	4	0.12	54	480	1540	27	0.21	127	< 10	2000			
BE 2064	208 226	5550	< 1	0.79	8	140	44	267	0.02	15	< 10	44			
BE 2065	208 226	1620	< 1	1.95	53	440	14	137	0.75	342	< 10	234			
BE 2071	208 226	4010	2	0.44	9	4540	18	208	0.38	263	< 10	58			
BE 2072	208 226	4820	8	0.11	59	6600	32	160	0.23	204	< 10	122			
BE 2073	208 226	6270	4	0.16	13	6750	30	185	0.26	228	< 10	98			
BE 2074	208 226	5990	< 1	0.26	30	3140	14	73	0.21	159	< 10	142			
BE 2075	208 226	7370	2	0.11	48	5190	22	109	0.22	205	< 10	160			
BE 2076	208 226	3500	< 1	0.27	46	4540	32	104	0.29	191	< 10	110			
BE 3000	208 226	855	< 1	1.36	41	180	16	167	0.28	70	< 10	80			
BE 3001	208 226	310	20	2.57	5	180	6	33	0.08	68	< 10	24			
BE 3002	208 226	1525	< 1	2.17	94	270	16	278	0.26	209	< 10	114			
BE 3003	208 226	2360	< 1	0.97	182	150	14	123	0.18	149	< 10	162			
BE 3004	208 226	555	< 1	2.38	112	200	8	92	0.13	174	< 10	40			
BE 3005	208 226	60	4	0.01	7	90	182	15	0.03	24	< 10	62			
BE 3006	208 226	215	10	0.01	13	160	142	13	0.02	29	< 10	156			
BE 3007	208 226	195	1	0.23	32	280	18	57	0.11	91	< 10	34			
BE 3008	208 226	105	1	0.09	17	340	8	19	0.05	27	< 10	24			
BE 3009	208 226	165	292	0.47	36	50	144	27	0.03	113	< 10	>10000			
BE 3010	208 226	265	202	0.61	41	50	74	30	0.06	125	< 10	>10000			
BE 3011	208 226	385	337	0.42	31	110	122	26	0.09	113	< 10	>10000			
BE 3012	208 226	100	4	0.09	19	600	10	15	0.03	30	< 10	92			
BE 3013	208 226	200	1	0.01	6	290	10	18	0.04	24	< 10	48			

CERTIFICATION: *David Terry*



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BE 3014	208 226	< 5	< 0.2	1.34	150	< 0.5	< 2	0.39	< 0.5	7	176	101	1.80	0.44	0.45
BE 3015	208 226	< 5	< 0.2	1.56	190	< 0.5	< 2	0.65	< 0.5	9	206	89	2.05	0.44	0.40
BE 3016	208 226	< 5	0.2	1.11	110	< 0.5	< 2	0.23	0.5	21	220	334	1.97	0.34	0.40
BE 3017	208 226	< 5	< 0.2	8.84	210	0.5	20	2.95	< 0.5	35	270	44	6.10	0.47	1.87
BE 3018	208 226	< 5	17.6	3.76	340	1.0	30	1.26	2.5	171	202	2150	22.5	0.41	1.54
BE 3019	208 226	< 5	0.2	2.46	40	2.5	< 2	0.06	< 0.5	2	131	15	0.83	0.31	0.10
BE 3020	208 226	< 5	61.8	2.73	40	3.0	128	8.66	103.0	109	34	2210	13.10	0.03	0.52
BE 3021	208 226	< 5	3.0	2.24	150	2.5	10	1.35	6.5	16	152	33	5.30	0.33	0.06
BE 3022	-- --	Not Recd	Not Recd	Not Recd	Not Recd	Not Recd	Not Recd	Not Recd	Not Recd	Not Recd	Not Recd	Not Recd	Not Recd	Not Recd	Not Recd
BE 3023	208 226	< 5	1.2	6.95	130	< 0.5	12	4.65	2.5	37	133	450	8.87	0.31	3.86
BE 3025	208 226	< 5	0.2	6.52	60	< 0.5	14	5.73	0.5	41	86	218	6.73	0.29	3.86
BE 3026	208 226	< 5	< 0.2	7.52	20	< 0.5	8	3.96	1.0	55	217	1025	13.00	0.15	4.17
BE 3028	208 226	< 5	4.4	6.72	40	< 0.5	2	4.21	1.5	55	132	1350	9.15	0.16	3.91
BE 3030	208 226	< 5	0.8	6.45	150	< 0.5	6	5.40	1.5	20	88	177	6.97	0.30	3.67
BE 3031	208 226	< 5	< 0.2	6.72	70	< 0.5	10	6.18	0.5	35	89	94	6.64	0.23	4.06
BE 3032	208 226	< 5	3.8	6.31	140	< 0.5	14	3.49	0.5	15	86	408	9.72	0.15	4.24
BE 3033	208 226	< 5	1.6	6.37	90	< 0.5	10	3.44	2.5	44	87	644	8.61	0.29	4.31
BE 3034	208 226	< 5	1.0	7.50	90	< 0.5	< 2	5.62	2.0	30	185	306	6.76	0.37	3.77
BE 3035	208 226	< 5	0.4	7.12	120	< 0.5	10	5.26	1.0	28	145	331	7.55	0.33	4.13
BE 3036	208 226	< 5	0.6	6.85	150	< 0.5	< 2	4.79	3.0	31	234	495	7.39	0.33	3.60
BE 3037	208 226	< 5	4.6	1.20	< 10	< 0.5	6	1.55	7.0	22	228	494	3.72	0.01	0.37
BE 3038	208 226	< 5	1.0	9.33	1210	5.0	< 2	2.09	3.5	16	192	70	2.95	2.69	1.59
BE 3039	208 226	< 5	0.6	6.67	1100	1.5	< 2	0.86	3.5	12	203	62	2.47	2.72	1.22
BE 3040	208 226	< 5	3.4	1.04	10	< 0.5	< 2	1.33	< 0.5	24	264	1350	3.74	0.04	1.27
BER 1001	208 226	< 5	0.2	4.73	460	0.5	< 2	3.82	1.5	23	312	103	4.13	0.73	2.92
BER 1002	208 226	< 5	< 0.2	6.76	1640	0.5	< 2	0.50	1.0	11	226	57	3.22	2.62	1.38
BER 1003	208 226	< 5	< 0.2	5.60	1280	0.5	< 2	0.87	1.0	18	240	76	4.72	1.46	1.63
BER 1004	208 226	< 5	0.2	3.17	670	1.0	< 2	0.66	1.5	8	221	79	1.61	0.85	0.80
BER 1005	208 226	< 5	4.4	7.05	2710	0.5	44	0.49	15.0	24	397	706	11.95	1.10	3.81
BER 1006	208 226	< 5	< 0.2	5.00	2350	0.5	2	0.30	0.5	7	175	48	2.56	1.76	0.96
BER 1007	208 226	< 5	1.8	7.77	900	0.5	2	0.52	12.5	24	313	569	21.3	1.27	4.98
BER 1008	208 226	< 5	< 0.2	7.60	100	< 0.5	< 2	1.44	< 0.5	34	96	345	4.56	0.26	2.96
BER 1009	208 226	< 5	10.0	5.02	60	1.5	< 2	0.44	0.5	303	40	3600	22.5	0.08	1.28
BER 1010	208 226	< 5	4.6	5.84	680	1.0	6	2.95	< 0.5	13	68	286	7.01	0.23	1.47
BER 1011	208 226	< 5	>100.0	2.44	10	< 0.5	Intf*	2.80	8.5	178	80	>10000	>25.0	0.04	1.34
BER 1012	208 226	< 5	24.8	3.50	50	2.0	Intf*	3.96	3.0	94	61	>10000	20.2	0.08	2.33
BER 1013	208 226	< 5	11.0	5.65	170	1.5	76	8.51	1.0	64	52	2780	11.50	0.31	3.47
BER 1014	208 226	< 5	9.2	5.56	210	1.5	< 2	2.22	1.5	138	70	3410	20.9	0.45	2.91
BER 1015	208 226	65	0.2	4.41	510	< 0.5	< 2	2.24	0.5	24	331	210	4.04	1.17	2.20
BER 1016	208 226	< 5	0.2	7.76	600	1.0	< 2	2.84	0.5	21	81	210	6.00	1.55	1.90

CERTIFICATION:

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* INTERFERENCE: Cu on Bi and P



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 ATTN: DAVID TERRY
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 VANCOUVER, BC
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Project: BEALE
 Comments: ATTN:DAVID TERRY CC:DAVID PAWLIUK

* PLEASE NOTE

CERTIFICATE OF ANALYSIS A9830617

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)			
BE 3014	208 226	270	2	0.12	13	230	14	23	0.06	41	< 10	32			
BE 3015	208 226	225	1	0.15	18	830	18	16	0.05	39	< 10	40			
BE 3016	208 226	115	1	0.14	37	340	14	19	0.05	32	< 10	34			
BE 3017	208 226	1120	< 1	4.00	89	1190	12	477	1.41	230	< 10	84			
BE 3018	208 226	>10000	18	0.71	82	410	2550	107	0.32	120	< 10	878			
BE 3019	208 226	65	13	0.05	7	30	18	28	0.06	45	< 10	38			
BE 3020	208 226	>10000	< 1	0.03	8	40	>10000	488	0.17	104	< 10	>10000			
BE 3021	208 226	2180	9	0.01	48	330	308	36	0.20	81	< 10	976			
BE 3022	-- --	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd			
BE 3023	208 226	1620	< 1	2.60	36	510	208	170	0.85	348	< 10	476			
BE 3025	208 226	1350	< 1	1.89	38	470	14	150	0.75	324	< 10	172			
BE 3026	208 226	1365	1	1.03	49	510	36	185	0.88	297	< 10	864			
BE 3028	208 226	1720	< 1	1.64	32	470	26	93	0.82	321	< 10	456			
BE 3030	208 226	1490	< 1	2.47	14	480	20	169	0.88	327	< 10	534			
BE 3031	208 226	1550	< 1	2.32	34	650	12	150	0.91	344	< 10	240			
BE 3032	208 226	2750	< 1	2.25	7	500	44	136	0.93	303	< 10	368			
BE 3033	208 226	1680	< 1	1.96	38	530	14	105	0.86	335	< 10	932			
BE 3034	208 226	1375	4	2.51	48	570	26	209	0.81	304	< 10	966			
BE 3035	208 226	1465	< 1	2.30	25	630	12	148	0.87	321	< 10	376			
BE 3036	208 226	1180	< 1	2.68	42	550	16	153	0.66	246	< 10	1105			
BE 3037	208 226	395	1	0.03	9	60	2760	36	0.08	50	< 10	1885			
BE 3038	208 226	570	42	1.66	56	770	64	225	0.28	416	< 10	224			
BE 3039	208 226	415	17	1.01	66	430	56	129	0.24	274	< 10	222			
BE 3040	208 226	810	2	0.07	51	370	12	17	0.32	145	< 10	74			
BER 1001	208 226	1230	< 1	1.63	72	600	198	156	0.37	170	< 10	266			
BER 1002	208 226	350	< 1	1.11	32	700	110	105	0.37	198	< 10	86			
BER 1003	208 226	1575	< 1	0.86	67	1020	28	126	0.29	215	< 10	96			
BER 1004	208 226	235	3	0.82	40	580	72	107	0.19	154	< 10	140			
BER 1005	208 226	2440	3	0.72	133	580	562	96	0.41	265	< 10	2040			
BER 1006	208 226	225	< 1	0.60	27	610	46	69	0.29	156	< 10	84			
BER 1007	208 226	2710	1	0.73	249	30	932	126	0.12	70	< 10	1650			
BER 1008	208 226	935	< 1	4.03	28	250	12	87	0.24	186	< 10	110			
BER 1009	208 226	1350	4	1.93	138	270	54	79	0.18	69	< 10	184			
BER 1010	208 226	2480	3	2.72	8	260	98	329	0.24	166	< 10	88			
BER 1011	208 226	5720	8	0.06	246	Intf*	1040	92	0.15	118	4190	1460			
BER 1012	208 226	3930	< 1	0.08	61	Intf*	30	108	0.42	195	150	432			
BER 1013	208 226	5910	< 1	0.75	41	820	174	306	1.14	357	10	266			
BER 1014	208 226	2790	2	0.13	155	740	42	48	0.80	332	10	288			
BER 1015	208 226	650	7	0.82	106	370	22	78	0.23	119	< 10	64			
BER 1016	208 226	900	< 1	1.84	30	440	34	205	0.38	316	< 10	132			

CERTIFICATION:

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CERTIFICATE OF ANALYSIS A9830617

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)
BER 1017	208 226	< 5	< 0.2	6.08	60	0.5	4	5.21	< 0.5	51	34	144	9.99	0.24	2.32
BER 1018	208 226	< 5	< 0.2	4.36	630	1.0	< 2	2.65	0.5	15	320	64	4.20	1.04	1.91
BER 1019	208 226	< 5	< 0.2	3.41	660	0.5	< 2	2.43	1.0	13	316	61	2.94	0.65	1.49
BER 1020	208 226	< 5	13.4	8.78	940	1.5	14	0.26	29.0	34	246	384	15.80	1.67	5.75
BER 1021	208 226	< 5	6.0	6.65	630	1.0	6	0.18	73.5	22	190	1120	19.15	0.63	3.84
BER 1022	208 226	< 5	0.6	4.31	1340	0.5	8	2.87	2.5	16	620	94	3.67	1.20	6.62
BER 1023	208 226	< 5	< 0.2	2.92	670	0.5	< 2	0.93	1.5	8	266	66	2.33	0.42	1.02
BER 1024	208 226	< 5	4.0	6.75	80	< 0.5	< 2	3.84	0.5	34	158	486	9.62	0.20	4.25
BER 1025	208 226	< 5	2.6	7.30	30	< 0.5	6	4.11	0.5	23	186	678	12.15	0.12	3.59
BER 1026	208 226	< 5	0.2	1.60	20	< 0.5	2	1.76	0.5	62	299	646	4.98	0.06	1.46
BER 1027	208 226	< 5	2.0	5.11	90	< 0.5	< 2	3.11	0.5	70	119	1320	15.90	0.26	1.55
BER 1028	208 226	< 5	0.6	1.37	160	< 0.5	< 2	1.05	< 0.5	40	321	179	7.50	0.13	0.48
BER 1029	208 226	15	0.4	7.03	940	2.0	< 2	0.25	1.5	13	119	74	3.37	1.96	1.57
BER 1030	208 226	< 5	0.2	9.19	1340	2.5	4	0.17	0.5	8	139	24	3.82	2.57	1.64
BER 1031	208 226	25	1.2	3.78	60	< 0.5	< 2	0.83	0.5	232	96	1475	19.25	0.56	0.80
BER 1032	208 226	5	0.2	9.42	1370	2.5	< 2	0.16	0.5	8	150	31	3.99	2.77	1.51
BER 1033	208 226	10	9.8	4.31	20	0.5	8	9.59	4.5	216	69	1400	19.25	0.05	1.33
BER 1034	208 226	< 5	0.6	6.09	380	1.0	< 2	2.47	1.0	22	121	78	5.27	0.91	2.10
BER 1035	208 226	< 5	0.4	9.31	1210	2.5	< 2	0.19	0.5	14	152	53	4.15	2.56	1.65
BER 1036	208 226	< 5	1.8	7.13	870	1.5	< 2	0.12	1.0	8	278	42	3.27	1.80	1.05
BER 1037	208 226	< 5	0.2	9.14	1070	2.5	< 2	0.18	0.5	17	124	44	4.67	2.38	1.80
BER 1038	208 226	< 5	0.2	5.51	480	1.0	< 2	1.42	0.5	7	205	18	2.15	1.07	1.23
BER 1039	208 226	< 5	2.0	8.94	1170	3.0	< 2	0.22	0.5	46	161	124	4.77	2.42	1.80
BER 1040	208 226	< 5	0.4	6.66	900	1.5	< 2	0.19	0.5	9	221	20	3.61	1.69	1.52
BER 1041	208 226	< 5	0.2	5.40	1090	1.0	< 2	0.36	0.5	8	127	58	3.19	1.96	1.58
BER 1042	208 226	< 5	0.6	8.01	1090	2.0	< 2	0.76	1.5	17	197	37	4.30	1.95	1.57

CERTIFICATION:

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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)			
BER 1017	208 226	1665	< 1	2.57	3	1720	8	110	2.37	361	< 10	74			
BER 1018	208 226	870	4	0.83	45	1790	14	222	0.48	198	< 10	84			
BER 1019	208 226	875	6	0.72	43	2000	12	154	0.38	155	< 10	94			
BER 1020	208 226	>10000	< 1	0.27	98	600	4200	143	0.81	359	< 10	>10000			
BER 1021	208 226	6430	< 1	0.21	68	1350	>10000	66	0.64	300	< 10	>10000			
BER 1022	208 226	1165	1	0.68	119	740	132	159	0.41	281	< 10	438			
BER 1023	208 226	1815	< 1	0.80	28	730	494	102	0.16	73	< 10	520			
BER 1024	208 226	1715	< 1	1.97	32	540	24	157	0.83	315	< 10	286			
BER 1025	208 226	1860	< 1	1.36	11	380	36	242	0.98	375	< 10	252			
BER 1026	208 226	1065	3	0.16	94	560	60	20	0.41	210	< 10	86			
BER 1027	208 226	3980	< 1	0.33	119	2440	30	100	0.22	177	< 10	108			
BER 1028	208 226	5460	< 1	0.18	61	1300	76	33	0.40	58	< 10	82			
BER 1029	208 226	660	< 1	1.06	61	440	22	73	0.33	119	< 10	148			
BER 1030	208 226	250	1	1.09	26	740	14	88	0.40	160	< 10	84			
BER 1031	208 226	405	1	1.38	33	310	22	98	0.17	32	< 10	48			
BER 1032	208 226	410	4	1.05	14	650	16	100	0.43	159	< 10	76			
BER 1033	208 226	4410	< 1	0.08	49	110	32	220	0.23	67	< 10	630			
BER 1034	208 226	570	3	1.08	174	>10000	16	165	0.24	85	< 10	144			
BER 1035	208 226	540	7	1.41	50	670	26	95	0.39	176	< 10	106			
BER 1036	208 226	580	54	1.49	37	660	256	88	0.31	381	< 10	88			
BER 1037	208 226	645	1	1.06	41	520	18	82	0.37	129	< 10	112			
BER 1038	208 226	795	1	1.67	21	490	18	150	0.23	59	< 10	58			
BER 1039	208 226	1860	12	0.78	127	910	26	85	0.39	209	< 10	176			
BER 1040	208 226	315	3	1.15	27	740	14	78	0.31	152	< 10	92			
BER 1041	208 226	1195	6	0.08	26	680	70	21	0.32	167	< 10	130			
BER 1042	208 226	1275	1	0.70	49	640	88	126	0.39	133	< 10	148			

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