STRATABOUND MINERALS CORP.

DIAMOND DRILLING
and
GEOCHEMICAL REPORT
on
THE SWAN PROPERTY

British Columbia
NTS 94 C/5, C/6, C/12
56°25' North Latitude 125°27' West Longitude
UTM 6256000N 348500E (Zone 10)

Prepared for

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prepared by

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on work completed August 10 to 23, 1996

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DIAMOND DRILLING AND GEOCHEMICAL REPORT ON THE SWAN PROPERTY, BRITISH COLUMBIA

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1.0 INTRODUCTION

The Swan property is located in north central British Columbia, approximately 190 km northwest of Mackenzie (Figure 1). It is underlain by Late Proterozoic and Paleozoic displaced and accreted rocks of the Cassiar and Harper Ranch Terranes. The older rocks are dominantly carbonates and clastics with volcanic rocks occurring in the Harper Ranch Terrane.

Cominco Ltd. discovered most of the known showings in the 1960's. During the 1970's SEREM conducted regional geochemical surveys in the immediate area and subsequently staked the Swan, Rain and Knoll properties. In 1973 these properties were explored with soil geochemical and geophysical surveys, trenching and geological mapping. The Rain property was drilled in 1974.

In 1992 the property was staked by Firesteel Resources Inc. and a limited program of geological mapping and geochemistry was conducted.

Stratabound Minerals Corp. purchased the property in 1993 and optioned it to Cominco Ltd. Cominco conducted grid controlled soil geochemical surveys, reconnaissance silt and soil surveys, geological mapping and trenching. Cominco's option was subsequently dropped.

In 1995 Stratabound Minerals Corp. conducted a limited soil geochemical sampling program which involved analyzing the soils by a method known as enzyme leach.

During August of 1996, a diamond drilling program on the Swan Property tested the Swan East Zone, the Swan 93 Trench and the surrounding stratigraphy. A reconnaissance geochemical soil sampling program was conducted simultaneously. Stratabound Minerals Corp. contracted Equity Engineering Ltd. to conduct and report on this program.

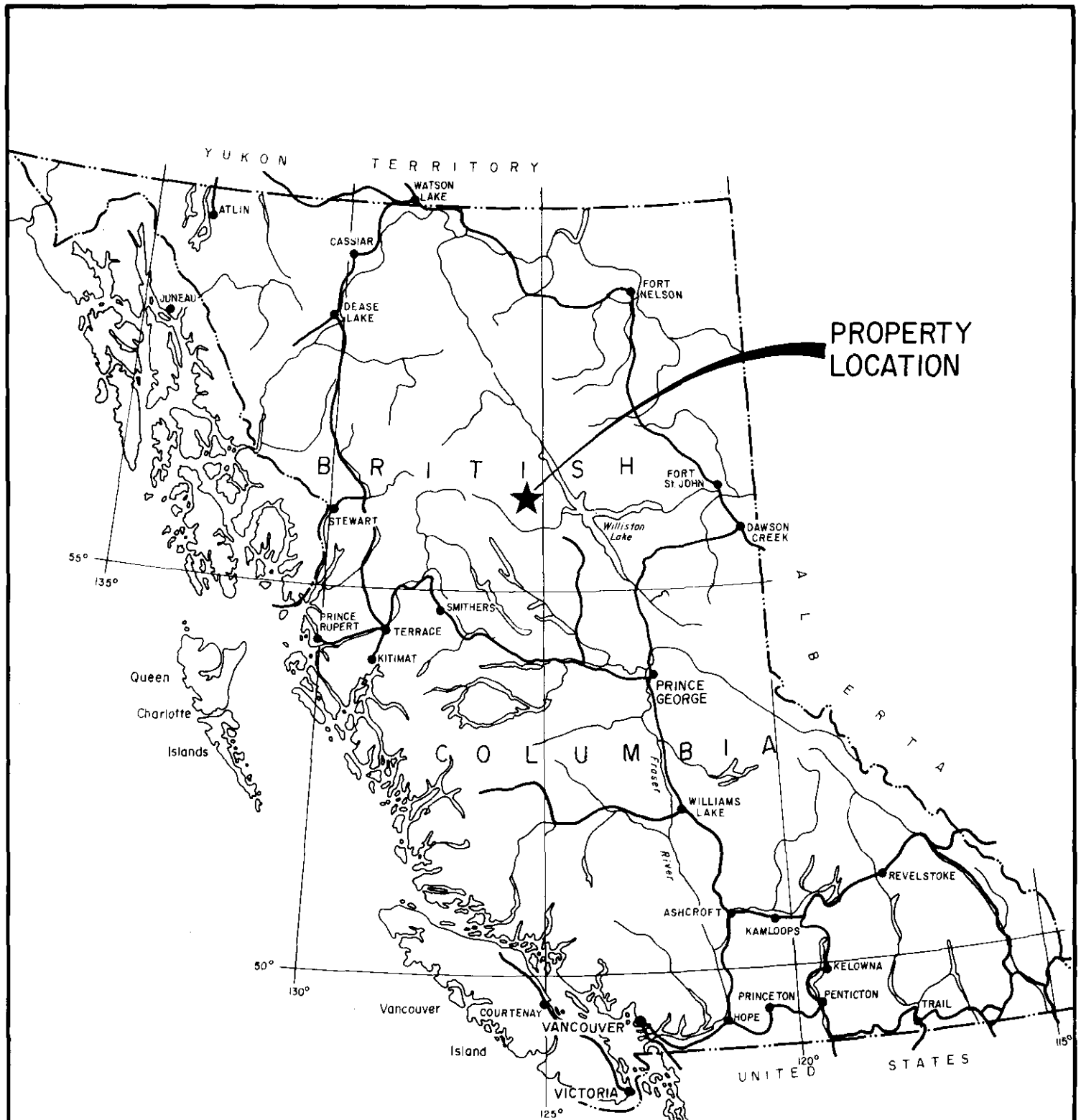
2.0 LIST OF CLAIMS

The Swan property is comprised of 41 contiguous claims totaling 239 units, located in the Omineca Mining Division (Figure 2). Records of the British Columbia Ministry of Energy, Mines and Petroleum Resources indicate that all the claims are owned by Stratabound Minerals Corp. Claim data for the Swan Property is summarized in Table 2.0.1.

TABLE 2.0.1
CLAIM DATA

Claim Name	Mineral Tenure No.	No. of Units	Record Date	Expiry Year
Swan 1	308212	12	March 17/1992	2001*
Swan 2	308213	16	March 16/1992	2001*
Swan 3	308214	16	March 16/1992	2001*
Swan 4	308215	15	March 18/1992	2001*
Swan 5	308216	18	March 19/1992	2001*
Swan 6	316185	16	Feb. 17/1992	2001*
Swan 7	316186	20	Feb. 17/1992	2001*
Swan 8	316187	20	Feb. 17/1992	2001*
Swan 9	316188	20	Feb. 18/1992	2001*
Swan 10	316189	9	Feb. 19/1992	2001*
Swan 11	316190	15	Feb. 19/1992	2001*
Swan 12	316191	15	Feb. 20/1992	2001*
Swan 13	316192	8	Feb. 20/1992	2001*

* continued on next page



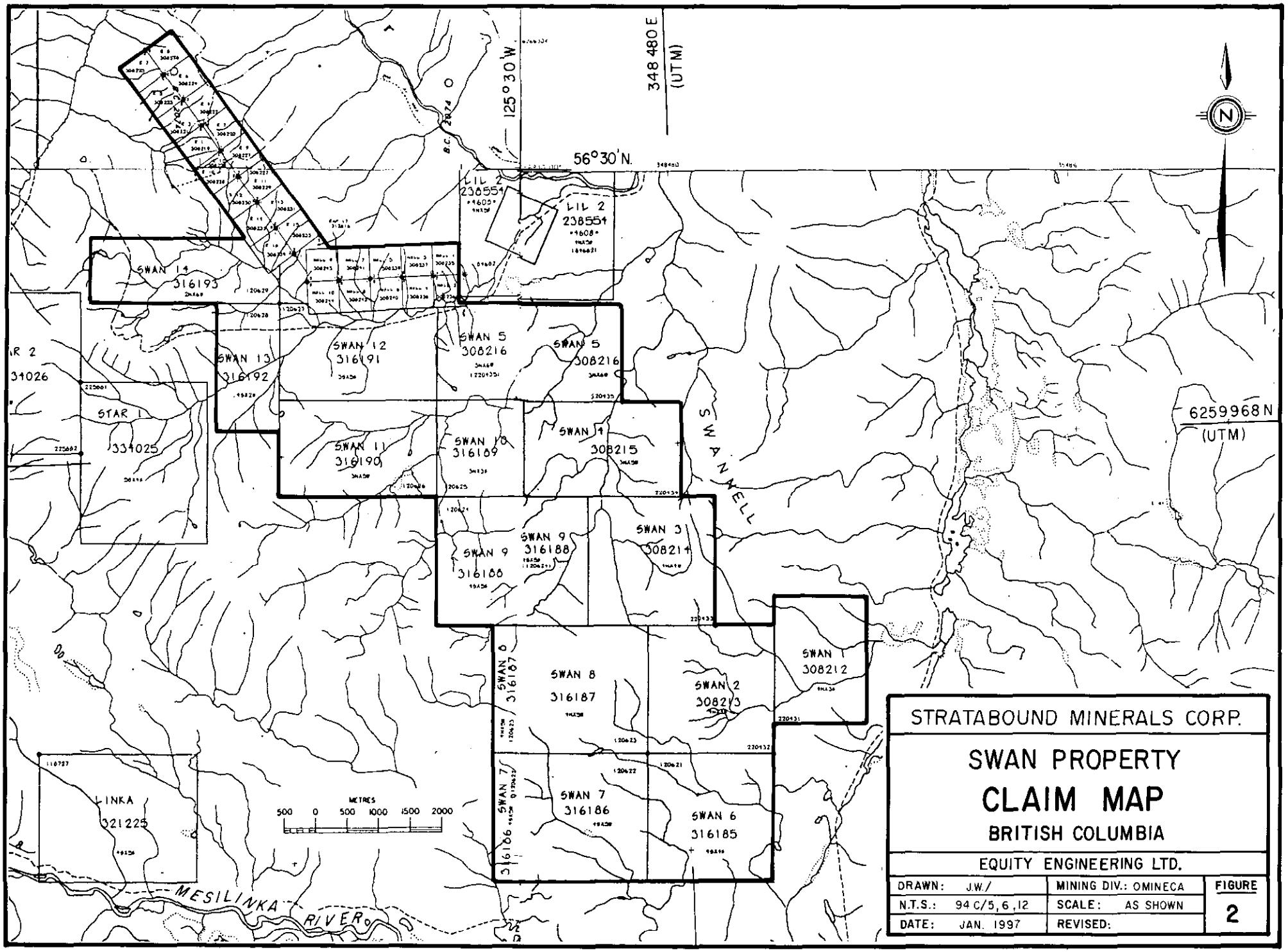
STRATABOUND MINERALS CORP.

SWAN PROPERTY
LOCATION MAP

BRITISH COLUMBIA

EQUITY ENGINEERING LTD.

DRAWN:	/J.W.	MINING DIV. OMINECA	FIGURE
N.T.S.:	94 C/5,6,12	SCALE: AS SHOWN	1
DATE:	JAN. 1997	REVISED:	


125°30'W.
348 480 E
(UTM)
56°30'N.
6259968N
(UTM)
SWANWELL
SWAN 14
316193
SWAN 13
316192
SWAN 12
316191
SWAN 5
308216
SWAN 5
308216
SWAN 11
316190
SWAN 10
316189
SWAN 4
308215
SWAN 9
316188
SWAN 9
316188
SWAN 3
308214
SWAN 8
316187
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308213
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308212
SWAN 7
316186
SWAN 6
316185
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STAR 1
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LINKA
321225
LIL 2
238551
LIL 2
238551
METRES
500 0 500 1000 1500 2000
MESILINKA RIVER
N
STRATABOUND MINERALS CORP.
SWAN PROPERTY
CLAIM MAP
BRITISH COLUMBIA
EQUITY ENGINEERING LTD.
DRAWN: J.W./
MINING DIV.: OMINECA
FIGURE
2
N.T.S.: 94 C/5,6,12
SCALE: AS SHOWN
DATE: JAN. 1997
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TABLE 2.0.1
CLAIM DATA (continued)

Claim Name	Mineral Tenure No.	No. of Units	Record Date	Expiry Year
Swan 14	316193	12	Feb. 20/1992	2001*
Nell 1-10 inclusive	308235-44 inclusive	10	March 19/1992	2001*
R1-16 Inclusive	308219-34 inclusive	16	March 19/1992	2001*
Rap 17	312616	1	Aug.16/1992	2001*
TOTAL		**239**		

* Subject to approval of assessment work covered by this report.

3.0 LOCATION, ACCESS AND GEOGRAPHY

The Swan property, specifically the area of the 1996 work program, is located at 56°25' North Latitude, and 125°27' West Longitude on the NTS map sheets 94 C/5, C/6 and C/12 in British Columbia. The property is located approximately 190 kilometres northwest of Mackenzie, and 240 kilometres north northwest of Fort St. James. Access to the property from Mackenzie is either by gravel road from Windy Point on Highway 97 or by barge across Williston Lake, with both routes connecting to a series of gravel forestry access and logging roads which lead to within one kilometre of the southern boundary of the Swan property. Helicopter access is required to reach most points of the property.

The property is located in the Lay Range of the larger Swannell Ranges of the Omineca Mountains, between the valleys of the Swannell and Mesilinka Rivers. Elevations range from 1080 metres in the southeast to 1900 metres in the northwest. Drainage throughout the property varies from moderate to poor with well incised valleys opening into marshy, meadowed valleys.

The property is predominantly covered with fir, spruce and pine with minor areas of poplar and alder. The lower elevations in the creek valleys are commonly grassy, wet meadows. Little of the property lies above tree line which occurs at 1600 to 1700 metres elevation. Outcrop exposure is poor and is exposed in drainages, cliff faces and predominantly as felsenmeer at higher elevations above tree line.

The climate of the area is typical of the interior north mountain area with cold winters and moderate summers. Snowfall accumulations are reported to be from two to three metres annually.

4.0 REGIONAL AND PROPERTY EXPLORATION HISTORY

The earliest reported work was conducted by Cominco Ltd. in the 1960's. This early work discovered most of the known showings, some of which were subsequently trenched.

SEREM Ltd. conducted a regional lead - zinc stream sediment geochemical program throughout the Omineca Mountains during 1972, which lead to the staking of three small properties the Swan, Knoll and Rain, which are all within the current Swan property (Olfert, 1992). In 1973 SEREM conducted programs of line cutting, soil geochemistry, geological mapping, trenching and ground geophysical (horizontal shootback EM) surveys on each property (Sonnendrucker,1973, and Nielsen and Phelps, 1973) and in 1974 drilled thirteen holes totalling 2155 feet on the Rain property (Olfert,1992).

In 1992 the present property, covering all known showings as well as intervening areas and extensions, was staked. A program, carried out by Firesteel Resources, involving soil geochemical sampling and limited geological mapping was conducted in the area of the old showings.

In 1992 regional mapping at a scale of 1:50,000 by Ferri et al. of the B.C. Geological Survey covered the area of the Swan property as a part of a larger survey. Limited silt sediment sampling and analysis was undertaken as part of this program.

In 1993 the property was sold to Stratabound Minerals Corp. which optioned it to Cominco Ltd. Cominco carried out a soil geochemical survey and geological mapping over a grid established by compass and hip chain in the area known as the Swan grid. Reconnaissance geological mapping and contour soil sampling were conducted in the areas of the Rain and Knoll prospects and areas known to be underlain by the Gillíland Tuff. A regional silt sampling program was undertaken, and old trenches were excavated, mapped and sampled. Cominco subsequently dropped their option on the property.

Target Exploration Services Ltd. conducted a rock and soil geochemical survey in 1995 on behalf of Stratabound Minerals Corp. The program involved collecting duplicate soil samples which were analyzed by a conventional ICP method and by a technique known as enzyme leach.

5.0 1996 EXPLORATION PROGRAM

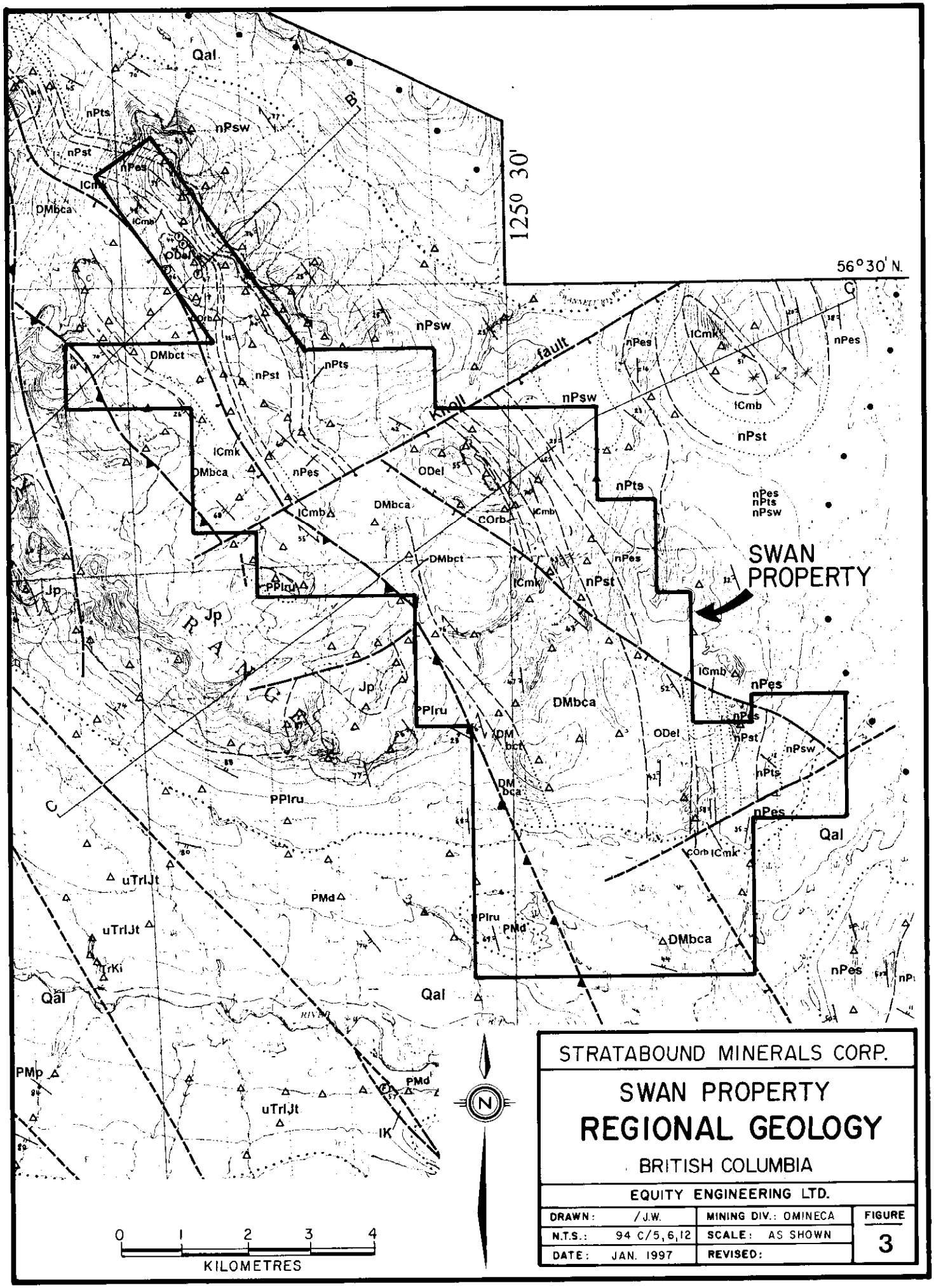
During the period of August 10-23, 1996 a field program involving geochemical soil sampling and diamond drilling was conducted on the Swan property. Geochemical soil sampling involved the collection of 110 samples from contour soil lines. Soil lines were established along geographic features such as creek banks and ridges using 25 or 100 metre hip-chained sample intervals. Soil samples were collected from "B" horizon material at depths ranging from 5 to 30 centimetres and placed in labelled kraft soil envelopes. Sample sites were marked in the field with blue and orange flagging and tyvek tags. Descriptions of the sample horizon, texture, colour, depth and physiography of the sample site were recorded. All samples were analyzed for 32 elements by ICP, and geochemically for gold at Chemex Labs in North Vancouver, British Columbia.

A total of 783.3 metres of diamond drilling were completed in six BQTW drill holes. The holes were targeted to test known mineralization and geochemical anomalies, and to obtain stratigraphic information. The author and H. Awmack logged the core and had the entire holes split, sampled and analyzed for 32 elements by ICP. Where silicification was noted the interval was also analyzed for gold geochemically. All samples were analyzed at Chemex Labs in North Vancouver, British Columbia. Analytical certificates are attached in Appendix D. All core is stored on site, stacked at UTM location 6255495N, 348465E. Drill logs are attached in Appendix C. Drill site preparation was completed by Equity Engineering Ltd. personnel, while drilling was contracted to Britton Bros. Diamond Drilling Ltd. of Smithers, British Columbia using their 2500-1 drill. All casing was removed from the drill holes. Moves were accomplished using a Northern Mountain Helicopters Inc., Hughes 500D helicopter based at the Osilinka logging camp. Accommodations were provided by North Central Catering of Prince George at the Osilinka logging camp located approximately 37 kilometres southeast of the 1996 Swan drill area.

6.0 REGIONAL GEOLOGY

The British Columbia Geological Survey carried out 1:50,000 scale geological mapping over the area of the Swan property in 1992 (Ferri et al, 1993). Their mapping shows that the Swan property is dominantly underlain by the Cassiar terrane with a sliver of Harper Ranch terrane on the west side of the claim group (Figure 3). The Cassiar terrane is interpreted to be displaced continental rocks while the volcanic - sedimentary rocks of the Harper Ranch are interpreted to be accreted arc(?) related.

The Cassiar terrane rocks are predominantly clastic rocks grading into predominantly carbonate rocks higher in the stratigraphy. Ferri et al. (1993) have described a number of new units for the Swan report area. This report will use the stratigraphic divisions described by Ferri and will also give the



STRATABOUND MINERALS CORP.			
SWAN PROPERTY			
REGIONAL GEOLOGY			
BRITISH COLUMBIA			
EQUITY ENGINEERING LTD.			
DRAWN: /J.W.		MINING DIV.: OMINECA	FIGURE
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LEGEND

(After Ferri, et al.,1993)

(Geology compiled from Ferri, et al.,(1993), and Rhodes, (1994))

LAYERED ROCKS

PALEOZOIC

MISSISSIPPIAN TO PERMIAN

LAY RANGE ASSEMBLAGE

Pennsylvanian to Permian

PPlru UPPER DIVISION. Tuff: lapilli, and crystal ash, green, massive, bedded or laminated. TUFFACEOUS SANDSTONE AND SILTSONE. ARGILLITE. MINOR AGGLOMERATE. v: GREEN (LOCALLY MAROON) VOLCANIC FLOW: commonly augite or feldspar phyric, rarely pillowed and vesicular. a: CHERT, CHERTY ARGILLITE c: CONGLOMERATE WITH CHERT AND VOLCANIC CLASTS, m: LIMESTONE, LIMEY SILTSTONE. s: SERPENTINITE.

DEVONIAN AND MISSISSIPPIAN

Upper Devonian to Lower Mississippian

BIG CREEK GROUP

DMbca SHALE ARGILLITE AND SILTSTONE: dark grey, blue grey and black, thinly to very thinly bedded and platy to wavy bedded. QUARTZ WACKE TO SANDSTONE: black to dark grey. CHERT TO CHERTY ARGILLITE. CONGLOMERATE: polymictic. MINOR LIMESTONE: dark grey, platy.

DMbct GILLILAND TUFF: TUFF: grey quartz and/or feldspar bearing. MINOR ARGILLITE: pyritic.

ORDOVICIAN TO DEVONIAN

Middle Ordovician to Lower Devonian

ECHO LAKE GROUP

ODel DOLOMITE AND LIMESTONE: pale to medium grey, thinly bedded to massive, medium crystalline to sugary, may be bioclastic, oolitic and contain carbonate breccia horizons, locally silicified and *almost cherty, may exhibit algal structures. FENESTRAL DOLOMITE: extensive lower in the unit.* SANDY DOLOMITE: locally fossiliferous, found near the top of the unit. MINOR SHALE.

CAMBRIAN AND ORDOVICIAN

RAZOR BACK GROUP

COrb UPPER PART. CALCAREOUS ARGILLITE, ARGILLACEOUS AND DOLOMITIC LIMESTONE: both dark grey, thinly bedded.
LOWER PART, ARGILLITE, SHALE: dark grey to grey, green or silvery, thinly bedded. MAY CONTAIN SECTIONS OF SERICITIC PHYLLITE OR SCHIST: white to greenish.

CAMBRIAN

Lower Cambrian

ATAN GROUP

MOUNT KISON FORMATION

lCmk LIMESTONE: grey to white and mottled, recrystallized, thin, wavy, indistinct and discontinuous bedding, slightly argillaceous and may be dolomitized, generally well bedded at bottom and more massive at top.

MOUNT BROWN FORMATION

lCmb SANDSTONE, IMPURE QUARTZITE: grey brown to maroon, moderately to thickly bedded. INTERLAYERED WITH SILTSTONE AND PHYLLITE: dark grey to green grey, thinly to thickly bedded, MINOR LIMESTONE NODULES.

NEOPROTEROZOIC

INGENIKA GROUP

STELKUZ FORMATION

nPst PHYLLITE, SCHIST AND IMPURE QUARTZITE: green-grey, crenulated. LIMESTONE: white, honey coloured to bluish-grey, clean with thin micaceous partings. PHYLLITE, SLATE AND SILTSTONE: dark blue-grey to black, graphitic locally contains biotite and garnet

ESPEE FORMATION

nPes LIMESTONE: locally dolomitic, dark grey, grey to white mottled, thinly to moderately bedded, locally white marble.

TSAYDIZ FORMATION

nPts SLATE, PHYLLITE: greenish grey to grey. INTERLAYERED WITH LIMESTONE TO CALCAREOUS PHYLLITE: both thinly bedded. LIMESTONE: blue grey, impure and laminated. LESSER SANDSTONE, SILSTONE: green-grey feldspathic wacke: locally contains biotite.

SWANELL FORMATION

nPsw QUARTZITE, IMPURE QUARTZITE, QUARTZ FELDSPAR GRIT: grey to tan, thinly to thickly bedded. INTERLAYERD WITH SCHIST: garnet, biotite or chlorite, muscovite bearing.

INTRUSIVE ROCKS

MESOZOIC

Early Jurassic

POLARIS ULTRAMAFIC COMPLEX AND RELATED INTRUSIONS

Jp UNDIFFERENTIATED DUNITE, WEHRLITE, AND GABBRO. Described in detail by Nixon et al. (1990).

equivalent stratigraphic units as described by H. Gabrielse in mapping prior to Ferri. The strata range from the Neoproterozoic Ingenika Group to the Devonian-Mississippian Big Creek [Earn] Group. A brief description of the stratigraphic units follows. Throughout the report the older names of the units used by Gabrielse will appear in brackets after the stratigraphic names used by Ferri.

CASSIAR TERRANE (Late Proterozoic to Devonian-Mississippian)

LATE PROTEROZOIC

Ingenika Group

The Ingenika Group has been subdivided in ascending order into the Swannell (**Unit nPsw**), Tsaydiz (**Unit nPts**), Espee (**Unit nPes**) and Stelkuz (**Unit nPst**) formations. The Ingenika Group is composed of quartz and feldspathic wackes, limestone, impure quartzite, sandstone, siltstone, argillite and their metamorphosed equivalents.

PALEOZOIC

Atan Group (Lower Cambrian)

The Atan Group has been divided by Ferri into the overlying Mount Kison [Rosella] Formation (**Unit lCmk**) and the basal Mount Brown [Boya] Formation (**Unit lCmb**). These formations' equivalents to the east are called the Rosella Formation and the Boya Formation, respectively. The upper unit of the Mount Brown [Boya] Formation consists of green to olive green phyllite with minor light brown to brown very thin to thin siltstone with fine sandstone layers overlying a basal grey to cream or brown quartzite or orthoquartzite. The Mount Brown [Boya] Formation varies from 45 to 150 metres thick. The overlying Mount Kison [Rosella] Formation is 150 metres thick and consists of a basal section of grey to dark grey, thin to thickly bedded, wavy to planar bedded, limestone. It is locally platy and has bands of alternating light and dark grey limestone. This is overlain by grey to dark grey, thin to moderately bedded, argillaceous and graphitic, platy limestone with lesser massive beds of white limestone up to a metre thick.

Razorback [Kechika/Road River] Group (Cambrian to Middle Ordovician)

The Razorback Group (**Unit COrb**) is related to the Kechika and Road River Groups of earlier stratigraphic subdivisions. The group is 50 to 90 metres thick and consists of dark grey and grey phyllite and slate. These strata typically display recessive weathering.

Echo Lake [Sandpile] Group (Middle Ordovician(?) to Lower Devonian)

The Echo Lake Group (**Unit ODel**), related to the Sandpile Group mapped to the south, is approximately 800 metres thick. The lower part is composed of massive, buff-grey to grey dolomite and limestone. In the upper part the carbonate is replaced by grey to pale grey cherty quartz. Bioclastic limestone, oolite and carbonate breccia horizons and sporadic quartz replacement of layers occur locally. The thick sandy quartzite and dolomite units common to the south are not noted in this area.

Big Creek [Earn] Group (Upper Devonian to Lower Mississippian)

The Big Creek Group (**Unit DMbca**), which is equivalent to the earlier stratigraphic division, the Earn Group, is upwards of 1500 metres thick. It consists of an upper unit of dark grey, wavy bedded, argillites with minor beds of limestone and black clastics, dark grey quartz wacke to sandstone, chert to cherty argillite, polymictic conglomerate and minor dark grey, platy limestone. The Gilliland Tuff (**Unit Dmbct**), consists of grey quartz and/or feldspar bearing tuff with minor pyritic argillite This unit occurs near the top of the Big Creek [Earn] Group upper unit.

The basal 200-300 metres is composed of grey to blue-grey shale or argillite with a middle interval of black clastics. This is overlain by 200-300 metres of dark grey argillite or cherty argillite with clastics at the top of the section which may contain cobble to boulder conglomerate.

HARPER RANCH TERRANE (Mississippian to Permian)

The Lay Range Assemblage lies within the Harper Ranch Terrane. This assemblage is divided into an upper division (mapped in the vicinity of the Swan property) and a lower division located north of the Swan property.

Upper Division (Middle Pennsylvanian to Permian)

The upper mafic tuff division (**Unit PpIru**) consists of predominantly mafic, crystal, lapilli and lithic ash tuffs, agglomerate and volcanic flows with interbedded green to grey argillite, siltstone, volcanic wacke and conglomerate, chert, limy siltstone and limestone.

Lower Division (Mississippian(?) to Permian)

The lower sedimentary division (**Unit MpIrl**) consists of black and grey argillite and siltstone, bedded grey chert, thin bedded feldspathic sandstone, chert-pebble conglomerate and 'grit', and less common fine to medium grained quartzite, rhyolitic tuff, shaly or thin bedded limestone, limy argillite and green tuffaceous rocks.

7.0 PROPERTY GEOLOGY

The geology of the Swan Property was previously mapped by Cominco Ltd. (Rhodes, 1993), and this work provided the geological base map utilized for the current program. Rhodes used the older stratigraphic nomenclature with the newer stratigraphic units, of Ferri, shown in brackets. Rhodes summarized the geology indicating lithological characteristics which are distinctive for the various units and how this aids in the distinction of the units in the field. For the purpose of this report the stratigrapic units described by Ferri (Ferri, 1993) are used. The reader is referred to Rhodes (1993) for a more detailed geological description of the Swan property.

The area of the 1996 drill program was previously mapped by Rhodes (1993) at a scale of 1:2500. Rhodes describes the area as, "The geology consists of north trending stratigraphy dipping 40° to 50° to the west. Light coloured limestones of the Rosella Formation (Mount Kison Formation) with some shaley carbonates overlie quartzites and sericitic mudstones of the Boya Formation (Mount Brown Formation) which in turn overlie carbonates and clastics of the Ingenika Group. Overlying the Rosella Formation (Mount Kison Formation) are Echo Lake Group dolomites that are intensely silicified with 20-100% blue grey to white quartz replacing the carbonate."

A distinct difference between the Rhodes (1993) and Ferri (1993) legends is the Razorback [Kechika/Road River] Group which Ferri indicates occurs at the base of the Echo Lake [Sandpile] Group. Rhodes includes an upper unit of shales and argillaceous limestones as part of the Mount Kison [Rosella] Formation. This same unit described as an argillite, argillaceous limestone to dark grey to black limestone, in this report, is mapped as Razorback [Kechika/Road River] Group.

Rhodes also described the Mount Kison [Rosella] Formation as "Locally the Rosella Fm. limestones are dolomitized to medium grained dolomite with patches of ferroan carbonate. This dolomitization is most common proximal to areas of faulting and is often found in association with mineralization." Outcrop and trench mineralization is described in Rhodes' report.

The geological legend employed for core logging utilizes Ferri's legend with individual lithologies

indicated as subdivisions of the larger stratigraphic units. A brief description of the units used in the drill hole sections is included in Appendix C.

8.0 DIAMOND DRILLING

Six holes were drilled on the Swan property from four sites to test known mineralization, geochemical anomalies and to obtain stratigraphic and structural information. Table 8.0.1 summarizes location, orientation and depths of the 1996 holes. Figure 4 shows the location plan of these holes, whereas drill sections with histogram lead and zinc values are illustrated in Figures 6 to 8.

Table 8.0.1
DIAMOND DRILL HOLE SURVEY DATA

HOLE	AZIMUTH (°)	DIP (°)	DEPTH (metres)	ELEV. (metres)	COLLAR COORDINATES	
					NORTHING UTM	EASTING UTM
ST96-01	130	-45	57.9	1225	6255750	348305
ST96-02	130	-70	65.5	1225	6255750	348305
ST96-03	080	-45	323.1	1305	6255965	348240
ST96-04	135	-50	57.9	1315	6256216	348685
ST96-05	135	-70	121.9	1315	6256216	348685
ST96-06	135	-70	157.0	1383	6256317	348587
TOTAL			**783.3**			

Hole ST96-01 & ST96-02

Hole ST96-01 was drilled to test the mineralization encountered in the Swan 93 trench, from which Cominco Ltd. reported chip samples of 15.7% zinc across 5.8 metres. Johnson sampled the trench in 1995 and reported 6.0 metres grading 12.3% zinc. Bedding trends 040° and dips steeply(?) northwest. Faulting reported by Cominco trends 045°.

The collar of ST96-01 was located 28 metres from the center of the Swan 93 trench with the drill directed at an azimuth of 130°. The inclination of the drill hole was set at -45° in an attempt to cut the maximum thickness of stratigraphy, while the azimuth of the hole was designed to intersect the reported structure and stratigraphy as perpendicularly as possible.

The drill hole intersected a fault and fault breccia zone from 33.9 to 35.7 metres. This intersection would correspond to a fault dipping steeply to the northwest from the center of the Swan 93 trench. Although no visible mineralization was encountered in the fault zone or in the immediate hanging wall and footwall, the presence of a moderate to strong reaction to zinc zap suggested fracture filling with oxides of zinc, likely oxidation of primary sulphides in fractures. The entire hole cut Mount Kison [Rosella] formation rocks. Very weak geochemically anomalous lead and zinc values were encountered in the fault, hanging wall and footwall rocks. Lead values are up to a maximum of 40 ppm and zinc values up to 346 ppm.

Hole ST96-02 was collared at the same location as ST96-01, and drilled at an azimuth of 130° and inclined at -70°. The hole was designed to intersect the fault structure encountered in hole ST96-01 at approximately 55 to 60 metres depth. A limestone breccia was intersected from 54.9 to 56.3 metres which corresponds to a projection of the fault intersection in hole ST96-01 and the Swan 93 trench. The breccia and weak slickensides suggest the continuation of the fault along this orientation. Minor pyrite,

weak zinc zap reaction and minor amounts of oxidized galena(?) appear to parallel the breccia zone. Two zones with weak lead and zinc values were encountered in the hanging wall and within the fault. Hole ST96-02 intersected only Mount Kison [Rosella] Formation rocks. The hanging wall interval from 51.5 to 52.0 metres returned lead and zinc values of 58 ppm and 556 ppm respectively and the interval within the fault from 54.9 to 56.3 metres returned lead and zinc values of 142 ppm and 378 ppm respectively.

Hole ST96-03

Hole ST96-03 was collared at a second drill pad location in order to test the stratigraphy of the Swan grid area, in particular, the complete stratigraphic package from the silicified dolomite of the Echo Lake [Sandpile] Group, through the Razorback [Kechika/Road River] Group, Mount Kison [Rosella] Formation, and into the Mount Brown [Boya]Formation. The hole location also tested the Swan North and the Swan East zones at depth.

The drill hole encountered all the formations expected although their true stratigraphic thickness cannot be determined due to the numerous faults.

Mineralization encountered was entirely hosted by Mount Kison [Rosella] limestones and dolomites. Mineralization encountered from 76.6 to 79.8 metres consisted of medium grained crystalline galena in seams and irregular fractures. Minor blebs of galena along with limonitic microfractures were encountered from 104.4 to 105.1 metres. Very fine grained sphalerite, galena and pyrite filling irregular fractures were encountered between 126.5 to 128.3 metres. Other intervals hosted up to 3% pyrite with no other visible sulphides. Significant intersections for hole ST96-03 are listed below in Table 8.0.2.

TABLE 8.0.2
SIGNIFICANT INTERCEPTS - ST96-03

Sample Number	From (m)	To (m)	WIDTH (m)	Ag (g/t)	Pb (%)	Zn (%)
316303	76.6	78.2	1.6	51	8.32	<0.01
316304	78.2	79.8	1.6	27	4.40	<0.01
316322	104.4	105.1	0.7	0.8	188 ppm	5050 ppm
316337	126.5	128.3	1.8	3	0.12	1.72

Hole ST96-04 & ST96-05

Two holes were drilled from the third drill pad to test the area immediately below the large coincident lead, zinc and silver soil anomaly of the Swan East Zone. The northern edge of the anomaly lies on a steep slope which is partially wooded with a non-vegetated steep slope/cliff face. Holes ST96-04and 05 were collared north of the 1000 ppm zinc contour in order to drill under the center of the anomaly. Hole ST96-04, which remained in Mount Kison [Rosella] Formation rocks, encountered extremely broken ground and a strong fault at 44.5 to 45.7 metres. The hole was abandoned at 57.9 metres due to severe ground conditions. Although no visible sulphides were observed, very strong zinc zap reaction was encountered in the extremely fractured rocks of hole ST96-04. Numerous intervals greater than 1000 ppm zinc and 1.0 ppm silver occur over the length of the hole. An interval of intensely fractured dolomite from 19.8 to 21.9 metres assayed 4 g/t silver, 0.58% lead and 2.06% zinc. A limonitic zone of heavily eroded and pitted core displayed a strong reaction with zinc zap in the boxwork. This zone occurs between 33.5 and 35.0 metres and assayed 3.2 g/t silver, 0.12% lead and 3.45% zinc.

Hole ST96-05 was drilled at the same azimuth as hole ST96-04, and inclined at -70°. The hole drilled through the Mount Kison [Rosella] Formation limestone/dolomite package and into the

pelitic/clastic rocks of the Mount Brown [Boya] Formation. Mineralization in hole ST96-05 was restricted to positive but relatively weak zinc zap reaction along fractures in the Mount Kison [Rosella] Formation rocks. A zone of strongly broken and rubbly core from 30.0 to 33.5 metres returned values of 20.2 ppm silver, 2110 ppm lead and 7380 ppm zinc.

Hole ST96-06

Hole ST96-06 was drilled from the fourth pad and was designed to test the stratigraphic package from the Echo Lake Group silicified dolomites through the contact with the Mount Kison [Rosella] Formation. The hole was drilled at an azimuth of 135° and inclined at -70° on section with holes ST96-04 and 05. The drill hole passed through the Echo Lake dolomites, the Razorback [Kechika/Road River] Group and encountered a strong fault at 154.4 to 157.0 metres. This fault could not be penetrated and the hole was abandoned. Mineralization throughout the hole was insignificant with the exception of the bottom of the hole which was strongly anomalous. The final sample interval from 155.4 to 157.0 metres had very poor core recovery of 27% and is partially composed of faulted rubble of Mount Kison [Rosella] Formation rocks and returned values of 11.4 ppm silver, 1905 ppm lead and 3890 ppm zinc.

9.0 SOIL GEOCHEMISTRY

A total of 110 soil samples were collected from four reconnaissance soil lines which were designed to test the areas underlain by Big Creek [Earn] Group rocks. The lines were run along creek valleys and ridges in an attempt to limit the masking effect of overburden. Lines CLA, CLB and CLC were sampled at 100 metre intervals along their length and B-horizon soil samples were collected at all sites. Line 8780E was sampled at 25 metre intervals to test the contact between the Mount Kison [Rosella] Formation and the Razorback [Kechika/Road River] Group. These contour soil lines with results above indicated threshold values are plotted on Figure 5.

The most prominent anomaly occurs along Line 8780E from station 6500 to 6625N where values range up to 12.0 ppm cadmium, 354 ppm lead and 800 ppm zinc. This soil line investigated the contact between the Razorback [Kechika/Road River] Group and the Mount Kison [Rosella] Formation which may be similar to the geochemical anomaly indicated on the main Swan grid.

A weak anomaly on Line CLB, at 900 metres, returned values of 8.5 ppm cadmium, 36 ppm lead and 760 ppm zinc.

Line CLC returned anomalous values of 1.2 ppm silver at 2800 metres and 414 ppm zinc at 2900 meters. Lead values vary from 34 to 228 ppm with zinc values ranging up to 634 ppm between stations 3100 to 3400 metres. A single gold anomaly of 130 ppb occurs at 0 metres, on Line CLC.

10.0 DISCUSSION AND RECOMMENDATIONS

The reconnaissance soil sampling program conducted on the property was designed to investigate the potential of the Upper Devonian to Mississippian Earn Group equivalent, the Big Creek Group, (**Unit Dmbca**), for hosting Sedex-style mineralization. The soil lines indicate some multi station anomalies, in particular Line CLC which had four consecutive stations with moderate strength coincident lead and zinc anomalies. The anomalies described should be investigated, and in the case of the gold geochemical anomaly, resampling to verify this result is advisable.

The drilling program investigated structures and anomalies reported by previous operators. Drill holes ST96-01 & 02 did not intersect significant mineralization similar to that reported in the Swan 93 trench. The hole did intersect a fault structure but insignificant metal values were encountered. The

mineralization observed in the trench was composed of secondary zinc carbonate, smithsonite and hydrozincite which cements and coats some of the surficial material. This secondary enrichment of the fault at surface may have enhanced the metal values in the area of the Swan 93 trench. All weakly anomalous zinc values encountered in holes ST96-01 & 02 are related to fracture zones in the core.

Drill hole ST96-03 was designed to test the stratigraphic package from the Echo Lake [Sandpile] Group through to the Mount Brown [Boya] Formation. Mineralization encountered was restricted to zones of broken, rubbly core which appear to be fault related, and includes 3.2 metres grading 6.36% lead. All mineralized intervals are hosted in the Mount Kison [Rosella] Formation.

Holes ST96-04 & 05, designed to test the large soil geochemical anomaly, encountered strongly anomalous silver, lead and zinc concentrations throughout the Mount Kison [Rosella] Formation rocks. The mineralization appears to be related to intense fracturing/faulting and, to a lesser extent, weak porosity. Hole ST96-05 encountered the Mount Brown [Boya] Formation at a higher level than expected and therefore a fault is inferred to exist, possibly along the axis of the soil geochemical anomaly outlined by Cominco Ltd.

The last hole of the program, ST96-06, which tested the stratigraphy below the Echo Lake [Sandpile] Group on section with holes ST96-04 & 05, had to be abandoned in a major fault. The large interval of Echo Lake [Sandpile] Group rocks appears to indicate a narrower width of Mount Kison [Rosella] Formation limestone and dolomite which Ferri indicates as being approximately 150 metres thick. This narrower thickness of Mount Kison [Rosella] Formation can likely be attributed to the fault which was encountered in the bottom of hole ST96-06, and the fault inferred in the previous two holes.

The fault encountered at the bottom of hole ST96-06 may have formed the recessive notch where holes ST96-04 and -05 were collared, near the upper edge of Cominco's soil geochemical anomaly. This inferred fault, which was not adequately tested by any of these holes, could have been the mineralizing conduit for the soil anomaly and the source of the elevated lead-zinc values at the bottom of ST96-06.

Mineralization encountered appears to be related to structural features. There is some evidence of mineralization related to porosity in the carbonates, which suggests Mississippi Valley Type mineralization, however no large structures or significant mineralization were encountered. A possibility exists that the faulting encountered may be following a structural weakness imparted on the carbonates by porosity or lithological differences.

APPENDIX A

BIBLIOGRAPHY

BIBLIOGRAPHY

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APPENDIX B

STATEMENT OF EXPENDITURES

STATEMENT OF EXPENDITURES
SWAN PROPERTY
August 10, 1996 to January 31,1996

PROFESSIONAL FEES AND WAGES			
Henry Awmack, P. Eng.			
9 days @ $425/day	3,825.00		
Jim Lehtinen, P.Geo.			
43 days @ 425/day	18,275.00		
Jason Weber, Geologist			
3.75 days @ $350/day	1,312.50		
Brennan Weber, Field Assistant			
18.75 days @ $225/day	4,218.75		
Mike Stewart, Field Assistant/First Aid			
15 days @ $225/day	3,375.00		
15 days @ $25/day	375.00		
Rob Blusson, Field Assistant			
17 days @ $225/day	3,825.00		
Clerical			
1 hours @ $25/hour	25.00	$	35,231.25
EQUIPMENT RENTALS			
Generator,1kVA			
10 days @ $10/day	100.00		
Chainsaw			
8 days @ $15/day	120.00		
Computer			
5 days @ $15/day	75.00		295.00
EXPENSES			
Accommodation	$ 7,221.99		
Airfare	2,348.87		
Automotive Fuel	271.30		
Bulk Fuel	1,635.10		
Chemical Analyses	6,654.22		
Courier	88.87		
Ferries	60.73		
Freight	2,508.35		
Helicopter Charters	37,208.88		
Maps and Publications	83.51		
Materials and Supplies	4,435.88		
Meals	235.14		
Office Supplies	39.43		
Parking	20.87		
Printing and Reproductions	886.37		
Radio Rental	604.64		
Satellite Phone Rental	1,874.56		
Taxis and Airporters	67.29		
Telephone Distance Charges	310.45		
Tolls and Airport Taxes	14.01		
Truck Rental	2,512.84		69,083.30

SUB-CONTRACTS			
	Britton Bros. Drilling:		
	Footage	48,744.00	
	Mob/Demob	3,800.00	
	Materials	2,030.25	
	Reaming	180.20	
	Standby/Moves/Travel	260.00	55,014.45
REPORT			
	Drafting (estimated)	$ 1,250.00	
	Materials (estimated)	500.00	1,750.00
MANAGEMENT FEES:			
	15% on expenses only	$ 10,362.50	
	7.5% on sub-contracts	$ 4,126.08	14,488.58
SUBTOTAL			$ 175,862.58
GST	7.0 % on subtotal		12,310.38
TOTAL			$ 188,172.96

APPENDIX C

DIAMOND DRILL LOGS

MINERALS AND ALTERATION TYPES

AK	ankerite	CA	calcite (or CC)	CL	chlorite
CP	chalcopyrite	CY	clay	EP	epidote
GL	galena	MN	Mn-oxides	MS	sericite (or SE)
PO	pyrrhotite	PY	pyrite	QZ	quartz
SI	silica	SP	sphalerite		

LITHOLOGICAL LEGEND FOR DIAMOND DRILL SECTIONS - FIGURES 6-8

LAYERED ROCKS

PALEOZOIC

ORDOVICIAN TO DEVONIAN

Middle Ordovician to Lower Devonian

ECHO LAKE GROUP

EDO	Dolomite. Pale buff to beige, cream to grey coloured, moderately to strongly silicified. Silica banding commonly irregular.

CAMBRIAN AND ORDOVICIAN

RAZORBACK GROUP

RAG	Argillite. Dark grey to black, thinly bedded to laminated.
RLS	Limestone. Dark grey to black thinly bedded to laminated.
RAG/LS	Interbedded argillite and limestone or argillaceous limestone.

CAMBRIAN

Lower Cambrian

ATAN GROUP

Mount Kison Formation

KLS	Limestone. Light to medium grey, white to cream coloured. Aphanitic to grainy textured, weakly banded. Stylolitic fractures (algal structures?).
KDO	Dolomite. Light to medium grey to cream coloured. Medium banded to thinly laminated to massive.
KLS/DO	Limestone/Dolomite interbedded.
KMA	Marble. Recrystallized limestone.
KALS	Argillaceous limestone.
KADO	Argillaceous dolomite.

Mount Brown Formation

BPB	Phyllite, black.
BPG	Phyllite, green.

Abbreviations/Modifiers

FLT	Fault
FLTbx	Fault breccia
bx	Breccia
b	Banded

SYMBOLS

—— —— Geological Contact

~ ~ ~ ~ Fault

EQUITY ENGINEERING LTD.

DRILL LOG

PROJECT SB 96-01	**GROUND ELEV.** 1225 m
HOLE NO. ST 96-01	**BEARING** 130
LOCATION UTM N 6255750 E 348305	**DIP** -45°
	TOTAL LENGTH 57.9 m
LOGGED BY J. Lahtinen	**HORIZONTAL PROJECT** 40.9 m
DATE Aug 13/96	**VERTICAL PROJECT** 40.9 m
CONTRACTOR Britton Bros	**ALTERATION SCALE**  0 1 2 3 absent slight moderate intense
CORE SIZE BQTW	
DATE STARTED Aug 11/96	**TOTAL SULPHIDE SCALE**  0 1 2 3 4 traces only < 1% 1% – 3% 3% – 10% > 10%
DATE COMPLETED Aug 12/96	
DIP TESTS /	
COMMENTS Hole targeted to test the area below the Swan 93 Trench. The attitude of the structure & stratigraphy were coincidental / striking between 040° and 045, both dipping vertically or steeply to the northwest. The hole was designed to test the down-dip projection of the Swan '93' trench.	**LEGEND**

PAGE 2 OF 8 | PROJECT: Swan SB 96-01 | HOLE NO. 96-01 ST

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A	B	C	D	E	FRACTURE INTENSITY	% VEIN QTZ.
0				0 - 9.1 m Casing							
				9.1 - 17.0 Limestone mt Kisan Fm							
				9.1 - 12.2 Limestone							
			CASING	- Light grey - white - Recrystallized fg							
5.0				- Moderately banded @ 50° & 75° TCA. Bedding(?)							
				- Banding / laminae < 0.5 cm Commonly white ± Fe-stain							
				- Base of interval = < 2 mm banding with disseminated pyrite							
10.0	64	LS	50° Bedding								
				12.2 - 12.6 Limestone							
	112	LS	fs 55° Banding	- Med - light grey							
				- Strongly broken - Rusty fractures							
15.0		LS	55° Laminae	- Stylolites, fine with v.f.g pyrite on stylolitic surfaces							
	97										
				12.6 - 14.2 Limestone							
20.0	96			- Grey white to creamy white							
				- weak mottling texture to finely banded @ base of interval							
				- Banding @ 75° + 55° TCA, commonly weakly rusty-brown - < 1 mm Dark carbonaceous? laminae							
				14.2 - 14.6 Limestone							
				Med grey							
				- Strongly fractured with strong Fe stain							
				- Fe stain along stylolites - Weak EZ rend.							
				- Sparry Recrystallized.							
				14.6 - 17.6 Limestone mt Kisan Fm							
				Laminated light grey - white							
				- Strongly broken from 14.6 - 15.2 m							
				- Vuggy rusty zone with strongly broken core							
				- Laminae @ 55° TCA - Fe Stain							
				- White banding 55° TCA							
				15.2 - 16.5 m Competent light grey-white, weakly banded @ 50° TCA Banding with Rusty Fe Stain							
				- Fine wispy < 0.5 mm x 5 m graphite? or f.g. gn?							
				16.5 - 17.0 = Coarse sparry calcite							

PAGE 3 OF 8	PROJECT: SR 96-01	HOLE NO. ST 96-01

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS ppm Ag	ppm Cu	ppm Pb	ppm Zn
0.0									
5.0									
10.0 No visible mineralization (NVM)		9.1	10.7	1.6	316001	0.2	<1	2	22
NVM		10.7	12.2	1.5	316002	0.2	<1	6	32
minor Zinc Bop (ZZ+) Reaction		12.2	14.2	2.0	316003	0.2	<1	12	46
15.0 weak ZZ reaction along fractures		14.2	14.6	0.4	316004	0.2	<1	4	358
NVM		14.6	16.1	1.5	316005	0.2	<1	16	68
Tr. Diss py along fracture/laminae		16.1	17.0	0.9	316006	0.2	<1	6	52
Tr. PY. " " "		17.0	18.5	1.5	316007	0.2	<1	2	110
20.0 Weak ZZ Reaction along fractures + stylolites		18.5	20.0	1.5	316008	0.2	<1	6	146

PAGE 4 OF 8 | PROJECT: Swan SB 96-01 | HOLE NO. ST96-01

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A	B	C	D	E	FRACTURE INTENSITY	% VEIN QTZ
20.0				17.0 - 23.3 Dolomite							
	98	DO	Stylo. 0°	Med. light grey. Healed fracturing throughout, interval							
				- Early, rusty (Fe stain) fractures & stylolites x-cut by weak,							
25.0			65° fault	erratic, white calcite stringers							
	75	LS		< 2mm.							
			Contact 40°	17.0 - 17.7 - Mottled colouring creamy/grey							
	65	LS		17.3 - 18.6 - Matt grey - grey-white							
30.0				with numerous vugs with							
				calcite xtals. Finely dissem Py in grey LS							
	89	DO		18.6 - 23.3 - Moderately fractured							
		LS		& healed with $FeCO_3$ + $FeCO_3$							
	94	flt		along Stylolites - weak Pyrite							
35		flt Bx		along fractures. Zn oxides assoc.							
		KMA		with $FeCO_3$ (yellow brown) zones &							
	106	MA		fracturing in core. Weak banding							
				& Stylolites @ 60° TCA near base of							
				interval							
				23.3 - 30.5 Limestone							
40			45° contact	23.3 - 24.5 Limestone							
				Light creamy - grey - strongly broken							
				Numerous fractures with iron stained							
				& finely dissem. Py							
				24.5 - 25.4 Limestone							
				- Creamy - white with Fe Stain along							
				fractures. Mod - strongly broken							
				$FeCO_3$ (?) along fractures - weak fault							
				plane 65° TCA @ 25.3m							
				25.4 - 26.7 Limestone							
				- Creamy White, extremely broken							
				26.7 - 27.4 Limestone							
				- Light grey to creamy white							
				- Mod - strongly broken - fragments							
				of brecciated L.S. = flt?							
				27.4 - 27.7 Limestone							
				- Creamy White - minor stylolites							
				with rusty ($FeCO_3$?) infill							

PAGE 5 OF 8	PROJECT: Swan SB 96-01	HOLE NO. ST96-01

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS ppm Ag	ASSAYS ppm Cu	ASSAYS ppm Pb	ASSAYS ppm Zn
20.0									
Weak ZZ reaction along <0.5mm fractures + stylolites		20.0	21.5	1.5	316009	0.2	<1	8	282
ZZ+ in FeCO3 fracture fill									
		21.5	23.3	1.8	316010	0.2	<1	4	174
ZZ+ on fracture surfaces (Horizontally FeCO3 in fill)		23.3	24.5	1.2	316011	0.2	<1	28	82
25.0									
Trace ZZ+ - Minor diss PY		24.5	25.4	0.9	316012	0.2	<1	22	196
As Above		25.4	26.7	1.3	316013	0.2	<1	26	70
- ZZ+ - Strong along fractures with FeCO3 & CY		26.7	27.4	0.7	316014	0.2	<1	24	212
Strong + ZZ in 27.7-27.9m L.S.Bx		27.4	28.9	1.5	316015	0.2	<1	12	114
30.0 - Tr ZZ+ - Tr. dissem PY		28.9	30.5	1.6	316016	0.2	<1	18	68
Strong + ZZ in all fracture zones		30.5	32.2	1.7	316017	0.2	<1	12	346
		---	---	---	---	---	---	---	---
As Above		32.2	33.9	1.7	316018	0.2	<1	12	212
- Mod. ZZ+ reaction in fill/clay		33.9	34.7	0.8	316019	0.2	1	16	206
35.0 Weak - Trace ZZ+ reaction		34.7	35.7	1.0	316020	0.2	<1	46	238
		---	---	---	---	---	---	---	---
Trace dissem PY. + <0.5mm fracture fill.		35.7	37.2	1.5	316021	0.2	<1	32	18
As Above		37.2	38.7	1.5	316022	0.2	<1	2	8
40.0 As Above		38.7	40.6	1.9	316023	0.2	<1	2	8

PAGE 6 OF 8 | PROJECT: Swan SB 96-01 | HOLE NO. SB 96-01

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A	B	C	D	E	FRACTURE INTENSITY	% VEIN QTZ.
				27.7-27.9 Limestone Breccia Vuggy breccia with minor clay Basal contact approx 40° TCA							
				27.9-30.5 Limestone Creamy white, Minor Fe stain along fracture surfaces. Strongly broken from 28.6-30.3m 30.3-30.5 - Creamy white, minor Fe stain on parallel fractures 50° TCA							
				30.5-33.0 Dolomite - Broken core Grey-white with heavy $FeCO_3$ fracture fill & as matrix (light orange-brown) in Clast? & - Erratic black minor fracture fill & spotty mineral - Carbonaceous(?) Zinc Zap. - strong Zn in fracture							
				33.0-33.9 Limestone As above, but slightly more competent Slickensides on fit plane @ 30° TCA @ 33.6m - Z-Z +							
				33.9-34.7 Fault Zone Extremely broken core & fragments of fault breccia. Fault Gouge & clay near base of interval							
				34.7-35.7 Fault Breccia Clay/Calcite weakly healed fault breccia. Light grey-white - Patchy Pyrite as clusters up to 3mm in matrix & along weak fractures. Base of unit = Fault Plane @ 33° TCA							
				35.7-40.6 Marble Marble/Recrystallized Limestone - white to grey-white with very fine fractures with minor Py - Fracture = light grey to black - Basal 60cm. composed of Brecciated & stringered med grey limestone & banded limestone @ 55° TCA - Basal Contact 45° TCA							

PAGE 7 OF 8	PROJECT: Swan	HOLE NO. ST 96-01

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS ppm Ag	ppm Cu	ppm Pb	ppm Zn
40.0									
Trace Py - dissem		40.6	42.1	1.5	316024	<0.2	<1	2	10
Trace Py "		42.1	43.6	1.5	316025	<0.2	<1	4	18
As ABOVE		43.6	45.1	1.5	316026	<0.2	<1	6	26
45.0									
- As Above		45.1	46.6	1.5	316027	<0.2	<1	4	16
As Above		46.6	48.1	1.5	316028	<0.2	<1	2	20
Tr. Py		48.1	49.6	1.5	316029	<0.2	<1	2	12
50.0 Tr. Py		49.6	51.1	1.5	316030	<0.2	<1	6	12
Py. as fracture fill + dissem		51.1	52.6	1.5	316031	0.2	1	38	58
1% Pyrite as fracture fill		52.6	53.4	0.8	316032	0.4	1	148	202
Pyrite Tr-1% as fracture fill		53.4	54.6	1.2	316033	<0.2	<1	16	192
55.0									
Tr-1% Py as fracture fill		54.6	56.1	1.5	316034	<0.2	<1	8	18
Tr-py. along fractures.		56.1	57.9	1.8	316035	<0.2	<1	2	16
60.0									

PAGE 8 OF 8 | PROJECT: Swan SB 96-01 | HOLE NO. ST 96-01

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A	B	C	D	E	FRACTURE INTENSITY	% VEIN QTZ.
40.0				40.6 – 53.4 Dolomite Med – Light grey. mottled colouring with grey banding - weakly fractured throughout. - Minor < 5mm calcite veining							
	101		CaCO3 50°								
	107		fl 25°								
45.6				- Vuggy texture - Pyrite as fracture fill 40.6 – 45.7 Minor Py in fractures Calcite stringers < 5mm @ 50° TCA Very fine grained pyrite along all							
	108	KDO									
50.0				fractures. Variable orientation - Weak pyrite coated fit fracture 25° TCA @ 44.9m							
	110										
	99	Ls/MA	Sty	65° 45.7 – 50.3m – Fractured with rare calcite veining < 5mm							
55.0				Vuggy calcite. 50.3 – 52.7 - Increasing vuggy texture with density cavities. Increased pyrite content in fracture fill - Black unidentified mineral							
	105	KDO									
60.0				-non metallic, in fractures + patches → carbonaceous? - 52.5 – 52.7 10% Py as fracture fill 52.7 – 53.4 – Zone of Lighter (Altered?) Limestone (light grey) sandwiching a central core of stylolitic & fractured creamy white limestone with pyrite + very fine grained grey metallic? 53.3 – weak cleavage plane 60° TCA							
				53.4 – 54.6 Limestone / Marble White to grey - white - Top 45 cm with numerous pyritic bands & fractures. - Stylolitic bands @ 65° TCA.							
				54.6 – 57.9 Dolomite - - Med – light grey mottled colouring throughout - Vuggy with calcite xtals - Weak pyrite along fractures @ 55.2 – 56.4m							
				57.9 EOH.							

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DRILL LOG

PROJECT SB 96-01 SWAN	**GROUND ELEV.** 1225 m
HOLE NO. ST 96-02	**BEARING** 130°
LOCATION N 6255750 E 348305	**DIP** -70°
	TOTAL LENGTH 65.5 m
LOGGED BY J. Lehtinen	**HORIZONTAL PROJECT** 22.4m
DATE Aug 16/96	**VERTICAL PROJECT** 61.5 m
CONTRACTOR Britton Bros Drilling	**ALTERATION SCALE**
CORE SIZE BQTW	
DATE STARTED Aug 12/96	
DATE COMPLETED Aug 13/96	**TOTAL SULPHIDE SCALE**
DIP TESTS /	

0 1 2 3
absent
slight
moderate
intense

0 1 2 3 4
traces only
< 1%
1% – 3%
3% – 10%
> 10%

COMMENTS

ST 96-02 Drilled to intersect the fault structure encountered in ST 96-01. Swan '93' Trench Area

LEGEND

PAGE 2 OF 8 | PROJECT: SB 96-01 Swan | HOLE NO. ST 96-02

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE		GEOLOGICAL DESCRIPTION	ALTERATION A	B	C	D	E	FRACTURE INTENSITY	% VEIN QTZ.
			Casing	0.0 - 3.7	Casing							
				3.7 - 6.0	Argillaceous Limestone							
5.0	64	KMLS	KMLS	55° contact	- med. Grey with minor creamy white sections of dolomitized L.S							
				fractures 60-75°	- Strongly broken core with fragments displaying heavy fracturing + Calcite infill							
	101	KMLS			- Med grey; weakly reactive, strong reaction in fracturing.							
10.0					5.4 - 6.0 - Creamy-white dolomite with $FeCO_3$ along fractures + very fine dark grey-black stringer fracture fill - Likely							
	103	KMLS	KMLS	Contact 25°								
		KMLS		Fractures 25-40°								
	100	KMLS										
15.0				fractures 25-40°	Calcite with carbonaceous component (minor replacement of wallrock)							
	94				Basal contact 55° TCA.							
				6.0 - 10.6	Limestone							
20.0	106				- White limestone - Sparry calcite @ top contact - Med-finely granular.							
					- Very weak alteration banding along fractures @ 60 - 75° TCA.							
					- Minor <5mm fractures with $FeCO_3$ (orange-brown) + Pyrite <0.5mm.							
					- 7.3 - 7.65 - Black - <0.5mm fracture fill of black calcite - Carbonaceous.							
					- Gradational (over 5cm) Basal Contact							
				10.6 - 11.7	- Argillaceous Limestone							
					- med to light grey limestone.							
					- Numerous calcite infilled fractures							
					- Vuggy throughout interval							
					- Moderately broken							
					- Heavy Fe stain on fractures							
					- Basal contact sharp @ 25° TCA 1mm band of black calcite + white calcite @ contact.							
				11.7 - 22.9m	Limestone							
					white with minor black fractures @ 75 - 40° TCA. with black calcite + $FeCO_3$ near H.W. contact							
					- Overall core varies from granular to very fine grained to aphanitic							
					- Variably altered / Stringered (cont'd)							

PAGE 3 OF 8 | PROJECT: SB 96-01 | HOLE NO. ST 96-01

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS ppm Ag	ppm Cu	ppm Pb	ppm Zn
a.a									
Tr. ea ZE. along fractures		3.7	4.85	1.15	316036	<0.2	3	12	166
5.0 Mod. ZE. in fracturing in LS.		4.85	6.0	1.15	316037	<0.2	1	12	317
Tr. dissem py. along stylolites/fracture		6.0	7.5	1.5	316038	<0.2	<1	6	34
Tr. dissem py. " " "		7.5	9.0	1.5	316039	<0.2	<1	6	48
10.0 Tr. PY		9.0	10.6	1.6	316040	<0.2	<1	2	40
Minor ZE along very fine fracturing		10.6	11.7	1.1	316041	<0.2	<1	12	144
Tr. dissem py along fine fractures - minor ZE in fractures in LS		11.7	13.2	1.5	316042	<0.2	<1	10	44
Tr PY in fractures		13.2	14.7	1.5	316043	<0.2	<1	2	18
15.0									
AS ABOVE		14.7	16.2	1.5	316044	<0.2	<1	8	40
AS ABOVE		16.2	17.7	1.5	316045	<0.2	<1	<2	8
AS ABOVE		17.7	19.2	1.5	316046	<0.2	<1	2	6
20.0 AS ABOVE		19.2	20.7	1.5	316047	<0.2	<1	10	102

PAGE 4 OF 8 | PROJECT: SB 96-01 | HOLE NO. SB96-02

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A	B	C	D	E	FRACTURE INTENSITY	% VEIN QTZ
20.0				(Cont'd)							
			35°	21.7 - 22.9 along laminae ∠ 0.5cm/m @ 40-50° TCA. Very distinct bedding							
	94	KLS	Laminae 40-50	Laminated, black & white @ 35° TCA @ 21.7m							
		KDO		- Fractures with minor Pyrite							
25.0											
	89		30° Contact	commonly $FeCO_3$. Basal 40cm							
		KLS		with increased pyrite in fractures							
			37° Contact								
			50°								
	101	KDO		22.9 - 26.2 Dolomite							
30.0				Mottled light grey to white with							
				intense $FeCO_3$ fracture fill							
	105		20° fractures 40°	Fe stain in vuggy fractures.							
				- Coarse xtalline calcite in vugs							
				- Occassional black calcite stringers & replacement along fractures							
35.0											
	104			- Trace disseminated PY							
		KDO		- Basal contact sharp @ 30° TCA							
	122			with numerous fractures filled							
				with black carbonate - (carbonaceous?)							
40.0											
				26.2 - 27.4 Limestone							
				white with minor $FeCO_3$							
				fracture fill							
				Basal Contact 37° TCA							
				27.4 - 42.1 Dolomite							
				Mottled light grey & white with minor							
				colour change due to Fe stain &							
				$FeCO_3$ fracture fill content.							
				27.4 - 28.0 - Grey-white do with dark							
				grey stringers @ 30° TCA							
				28.0 - 28.4 - Sparry Calcite with minor							
				Do. inclusion							
				28.4 - 42.2 - Vuggy D.O. with							
				calcite in vugs. Commonly fractured							
				with Fe Stain. Euhedral pyrite							
				along fractures near base of interval							
				Calcareous fractures throughout							
				commonly < 1cm @ @ 20-40° TCA							
				39.9 - 41.2 - Strongly fractured with							
				$CaCO_3$ flooded fracture zones @ ≈ 40° TCA							
				42.2 - 43.5 - Vuggy with increased							
				PY along fractures - Calcite in							
				< 3mm fractures							

PAGE 5 OF 8 | PROJECT: SB 96-01 | HOLE NO. ST96-02

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS ppm Ag	ppm Cu	ppm Pb	ppm Zn
20.0									
Tr. Pyrite, dissem in very fine fractures		20.7	22.2	1.5	316048	<0.2	<1	6	16
AS ABOVE		22.2	22.9	0.7	316049	<0.2	<1	2	40
25.0 Tr. Pyrite along thin fractures		22.9	24.4	1.5	316050	<0.2	<1	4	88
AS ABOVE + Tr ZZ		24.4	26.2	1.8	316051	<0.2	<1	4	108
Tr. dissem py.		26.2	27.4	1.2	316052	<0.2	<1	4	22
" - " "		27.4	28.9	1.5	316053	<0.2	<1	6	80
30.0 Tr Py. in minor fractures		28.9	30.4	1.5	316054	<0.2	<1	2	48
Tr. Py in " "		30.4	31.9	1.5	316055	<0.2	<1	4	36
AS ABOVE		31.9	33.4	1.5	316056	<0.2	<1	2	34
Tr Py in very minor fractures		33.4	34.9	1.5	316057	<0.2	1	2	16
35.0									
AS ABOVE		34.9	36.4	1.5	316058	<0.2	<1	4	20
Tr PY - Very rusty-stained fractures		36.4	37.9	1.5	316059	<0.2	1	8	16
PY 1% in top 15cm, Tr overall		37.9	39.4	1.5	316060	<0.2	<1	10	34
40.0. - Minor massive py in fractures till max dia = 1cm.		39.4	40.9	1.5	316061	<0.2	1	60	86
Overall = Trace PY									

N2/E2

MADE IN VANCOUVER, CANADA

PAGE 6 OF 8 | PROJECT: SB 96-01 | HOLE NO. ST96-02

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A	B	C	D	E	FRACTURE INTENSITY	% VEIN QTZ.
40.0				Cont'd. 43.5 - 45.4 - Black fracture fill to weakly replacement style black carbonate in light grey dolomite							
	100	KDO		Black fracture orientation @ 45° TCA. + Very erratic stylolitic + Py fractures							
45.0	105		40° Fracture								
			60° Contact	45.4 - 45.7 - Light grey - weak breccia near base - Strong fractures @ 40° TCA Basal Contact @ ≈ 60° TCA - Sharp contact with pyrite along erratic contact - Possible dolomitization front.							
	103	LS									
50.0	96	KDO									
		KLS									
	107	KL.S	30°/ 40°	47.1 - 49.7 Limestone Light grey - white Grainy texture							
			fractures								
55.0		LS BX		Numerous dark-grey to black fractures crudely oriented 35° - 45° TCA. - Basal contact sharp @ 50° TCA							
	98		15° Fractures								
		KLS.	↓ 50°								
60.0	99	KDO		49.7 - 51.5 Dolomite med - light grey - Strongly stringered with white calcite at 20 - 30° TCA - Pyrite up to 5% over small intervals - All fracture fill - Light orange - brown calcite - Heavy Calcite stringering @ base							
		KLS									
				51.5 - 51.7 Limestone White - grey Fracturing @ 55° TCA with Tr Py along very fine fractures							
				51.7 - 52.0 Dolomite Extremely Clay alt'd + calcite stringered med. grey dolomite							
				52.0 - 54.9 Limestone Grey white to creamy white. - Minor pyrite along fractures. - Increasing fracture density down-section with increasing Fe stain - Fracturing commonly 30 - 60° TCA							

PAGE 7 OF 8 | PROJECT: SB 96-01 | HOLE NO. ST 96-02

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS ppm Ag	ppm Cu	ppm Pb	ppm Zn
40.0									
- Tr Py. in fracture + FeCO3		40.9	42.4	1.5	316062	<0.2	<1	6	28
- Tr PY with minor fractured zones @ 1% PY. Overall = trace PY		42.4	43.9	1.5	316063	<0.2	1	6	24
- Tr. Py in fractures		43.9	45.4	1.5	316064	<0.2	<1	10	22
45.0 - " - "		45.4	47.1	1.7	316065	<0.2	1	28	20
- Tr PY in fractures + stylolites		47.1	48.4	1.3	316066	<0.2	<1	10	14
- Tr PY in v. minor fractures		48.4	49.7	1.3	316067	<0.2	<1	12	26
50.0 Tr Py along fracture surfaces		49.7	51.5	1.8	316068	<0.2	<1	40	216
- Minor Clay zone w/ weak ZZ		51.5	52.0	0.5	316069	<0.2	3	58	556
- Tr disem PY. in fractures		52.0	53.5	1.5	316070	<0.2	<1	20	100
- Tr disem PY. Heavy Fe stain on fractures		53.5	54.9	1.4	316071	<0.2	<1	34	94
55.0 - Minor ZZ. Pitted, Fe Stained		54.9	56.3	1.4	316072	<0.2	1	142	578
- Fe Stained fractures		56.3	57.8	1.5	316073	<0.2	<1	20	56
Fe Stained fractures		57.8	59.4	1.6	316074	<0.2	1	14	32
60.0 - Strongly fractured to v. ZZ - Sandy Black minerals (GA?) lords (over basal 20 cm)		59.4	60.8	1.4	316075	<0.2	<1	28	120
- NO VISIBLE MINERALIZATION		60.8	62.3	1.5	316076	<0.2	<1	16	58
- Minor Fe Stained fractures		62.3	63.8	1.5	316077	<0.2	<1	8	18
65.0 - No visible mineralization		63.8	65.5	1.7	316078	<0.2	1	10	54
70.0									

N2/E2

MADE IN VANCOUVER, CANADA

PAGE 8 OF 8 | PROJECT: SB 96-01 Swan | HOLE NO. ST 96-02

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A	B	C	D	E	FRACTURE INTENSITY	% VEIN QTZ.
				54.9 - 56.3 Limestone Breccia							
	95	LS		white - light grey - white limestone fragments, rounded to sub-angular							
	83			- varying in size up to 3-5 cm commonly 1 cm. Cemented							
65.0				with pale yellow - orange calcite							
				- Extremely porous (vuggy) with heavy Fe stain on open space fractures.							
				- Basal Contact @ 35°							
70.0				- Slickensides on basal contact							
				- Breccia → Collapse Breccia ?							
				56.3 - 59.4 Limestone							
				Orange - white to Med - Light grey mottled limestone							
75.0				- Numerous rusty coated fractures near top contact							
				- Fracturing variable from 15° - 50° TCA							
				- Basal contact gradational							
80.0				59.4 59.9 Dolomite							
				Med. grey							
				Extremely Calcite stringered + broken							
				gradational basal contact							
				59.9 - 60.4 Limestone							
				Grey - white							
				- Black fracture fill @ 40° TCA							
				60.4 - 60.8 Dolomite ?							
				Med Grey							
				Med - strongly broken + fractured							
				with heavy Fe stain + sandy oxide (of Pb?) on fractures							
				Light yellow - green calcite as fracture fill							
				60.8 - 65.5 Limestone							
				Variably colored - grey, white, creamy white to grey, weakly fractured.							
				Minor black fracture fill variable throughout interval. Variably grainy to marbly.							
				64.2 - 64.3 - Dolomitized (med grey)							
				EOH to S. Sm							

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DRILL LOG

PROJECT SWAN	**GROUND ELEV.** 1305 m
HOLE NO. ST96-3	**BEARING** 080°
LOCATION 6255965N 348240E	**DIP** -45°
	TOTAL LENGTH 353.6m (1060')
LOGGED BY H. AWMACK	**HORIZONTAL PROJECT** 250.0
DATE AUG. 15 - 1996	**VERTICAL PROJECT** 250.0
CONTRACTOR BRITTON BROS	**ALTERATION SCALE**
CORE SIZE BTW	
DATE STARTED AUGUST 13, 1996	
DATE COMPLETED August 15, 1996	**TOTAL SULPHIDE SCALE**
DIP TESTS	

0 1 2 3
absent
slight
moderate
intense

0 1 2 3 4
traces only
< 1%
1% – 3%
3% – 10%
> 10%

COMMENTS

ST 96-03 - collared to test the complete stratigraphic interval from Echo Lake Dolomite → Kitsault → Mt. Brown
- In addition to test the Swan North Zone & Swan East zone at depth

LEGEND

PAGE 2 OF 17 | PROJECT: SWAN | HOLE NO. SB96-3

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE		GEOLOGICAL DESCRIPTION	ALTERATION: Silica A	B	C	D	E	FRACTURE INTENSITY	% VEIN QTZ.
		CSN		0-1.5m	Casing							
	48			1.5-39.5	Echo Lake Fm.							
			70° bedding		Silicified dolomite: Cream-coloured to medium-grey.							
5	96				Cream-coloured fine-grained dolomite (possibly algal) has been replaced selectively by aphanitic (<1mm) quartz veinlets and patches of silica, which form 15-100% of rock (average 40%). Dolostone with higher silica content							
	90	EDO										
10	99			60 bedding	(eg. 29.2-30.2), vuggy fractures and voids are locally lined with coarse quartz druse. Foliation as defined by dolomite grain orientation averages 75° to core axis.							
	72											
15	77				Core is broken through most zones by fractures parallel to bedding. Fractures							
				45° bedding	are goethitic but no reaction with							
20	100				Zinc zap							
	95			5cm fault @ 50° to C.A.								
25	104											
	103			29.6 5cm gouge at 30° to CA	29.7-29.8 Breccia with angular silicified dolomite fragments in yellow silicified gouge matrix							
30	106											
					33.7-39.5 Less silicification (avg 20%) Core is weathered, vuggy (from leaching) and brown (from goethite and dolomite). Broken. Locally brecciated and healed by silicified gouge.							
35	107			70° bedding								
	85											
40		FLT		39.5-41.8	Fault Fractured medium-grey limestone fragments with lightgrey to pale green calcite filling fractures and between fragments							
	100											
		RAZ		20° bedding								
45	92			41.8-61.0	Razorback Formation Finely laminated black to dark grey							

PAGE 3 OF 17	PROJECT: Swan	HOLE NO. ST 96-03

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS ppm Ag	ppm Cu	ppm Pb	ppm Zn
1.5-39.5		1.5	3.0	1.5	316251	1.6	53	110	938
No sulphides. Goeth.tic fractures. No reaction with zinc zap.		3.0	4.5	1.5	252	0.2	13	8	148
		4.5	6.0	1.5	253	0.4	9	10	142
		6.0	7.5	1.5	254	0.2	1	<2	76
		7.5	9.0	1.5	255	0.2	3	2	80
		9.0	10.5	1.5	256	<0.2	1	<2	58
		10.5	12.0	1.5	257	<0.2	2	<2	66
		12.0	13.5	1.5	258	0.2	1	<2	66
		13.5	15.0	1.5	259	0.2	1	<2	102
		15.0	16.5	1.5	260	0.2	3	<2	56
		16.5	18.0	1.5	261	<0.2	1	<2	66
		18.0	19.5	1.5	262	0.2	1	<2	52
		19.5	21.0	1.5	263	<0.2	1	<2	30
		21.0	22.5	1.5	264	<0.2	1	<2	74
		22.5	24.0	1.5	265	<0.2	1	<2	66
		24.0	25.5	1.5	266	0.2	3	<2	56
		25.5	27.0	1.5	267	0.2	1	<2	64
		27.0	28.5	1.5	268	0.2	5	<2	82
		28.5	30.0	1.5	269	0.2	1	<2	66
		30.0	31.2	1.2	270	<0.2	1	<2	58
		31.2	32.4	1.2	271	0.2	1	<2	110
		32.4	33.7	1.3	272	<0.2	1	<2	72
		33.7	35.1	1.4	273	<0.2	1	<2	528
		35.1	36.5	1.4	274	0.2	<1	<2	364
		36.5	38.0	1.5	275	0.2	1	<2	332
		38.0	39.5	1.5	276	0.2	1	<2	274
39.5-41.8 Sparse goeth. to on fractures and between fragments		39.5	40.6	1.1	277	0.2	5	6	30
		40.6	41.8	1.2	278	0.2	2	2	38
		41.8	43.3	1.5	279	<0.2	13	<2	36
		43.3	44.8	1.5	280	<0.2	17	<2	66
		44.8	46.3	1.5	316 281	<0.2	16	2	28

PAGE 4 OF 17 | PROJECT: SWAN | HOLE NO. ST96-3

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A	B	C	D	E	FRACTURE INTENSITY	% VEIN QTZ.
			65° gouge	argillite. Non-calcareous, non-siliceous							
	58		80° bedding	No graphite							
		RPKg		Bedding contorted near upper							
50	69			contact (41.8–46.0) with sections							
			80° bedding	of fault gouge and rubble							
	74										
			80° bedding	55.6–61.0 Calcite in tension gashes							
55			56.0–56.3 30 cm gouge+rubble	and fractures ⊥ to bedding (up to 2%),							
	32		80° bedding	some with minor fine-grained pyrite.							
				Poker-chip bedding. Chevron fold at 60.0							
60	28			with graphite							
			61.0–72.7	Razorback Formation							
	10	RPKa	50° bedding	Finely laminated black calcareous							
				argillite. 5% medium-grey calcareous							
65	47			siltstone beds (max 1 cm thick) with							
			50° bedding	5% disseminated pyrite.							
				Broken and rubbly throughout with							
	37			sections of gouge at 61.5, 64.0, 64.5, 68							
			60° bedding	and 69.9–72.7							
70											
	43	RPKg	Fault gouge								
		KMLS	72.7–82.6	Mt. Kison Fm. Argillaceous limestone							
75	48			Light to dark grey, locally mottled.							
				No bedding visible. Up to 10% calcite							
				in randomly-oriented microfractures							
	43		Rubble	Broken throughout. Rubbly from 76.6 to							
				79.7 m and 82.1 to 82.6 m. Calcite-healed							
80				fault breccia from 81.2–81.8 m							
	68	KPKb	Fault breccia								
			Rubble								
	42		82.6–91.4	Mt. Kison Formation. Cream-coloured							
85				dolomite. Locally laminated and contorted (algal),							
				massive or mottled generally. Calcite microfractures							
	53	KDO		82.6–85.4 Rubble and fault breccia, strongly							
				goethitic							
			Rubble	87.9–88.5 Goethitic rubble							
	87			89.0–91.4 15% calcite microfractures.							
90											

PAGE 5 OF 17	PROJECT: SWAN	HOLE NO. ST96-03

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS ppm Ag	ppm Cu	ppm Pb	ppm Zn
41.8 - 55.6 No sulphides, no rxn with zinc zap		46.3	47.8	1.5	316282	<0.2	21	6	56
		47.8	49.3	1.5	283	<0.2	20	10	84
		49.3	50.8	1.5	284	<0.2	20	12	100
		50.8	52.3	1.5	285	<0.2	21	8	98
		52.3	53.8	1.5	286	<0.2	19	20	92
		53.8	55.6	1.8	287	<0.2	26	8	102
55.6 - 61.0 2% fine-grained pyrite in laminae (max 0.5mm) and along calcite-filled fractures No reaction with zinc zap		55.6	57.1	1.5	288	<0.2	22	6	94
		57.1	58.6	1.5	289	<0.2	24	6	86
		58.6	59.8	1.2	290	<0.2	31	16	62
		59.8	61.0	1.2	291	<0.2	23	10	62
61.0 - 72.7 2% fine-grained PY, disseminated, as laminae and in calcareous siltstone beds. No reaction with zinc zap		61.0	62.5	1.5	292	<0.2	27	12	68
		62.5	64.0	1.5	293	<0.2	25	8	32
		64.0	65.5	1.5	294	0.2	55	26	84
		65.5	67.0	1.5	295	<0.2	31	10	86
64.3 2cm PY bed		67.0	68.5	1.5	296	0.2	33	14	50
		68.5	70.0	1.5	297	0.2	21	14	32
		70.0	71.4	1.4	298	0.2	14	22	74
		71.4	72.7	1.3	299	0.4	7	84	54
		72.7	74.0	1.3	300	0.6	<1	616	20
72.7 - 76.6 No sulphides. No rxn with zinc zap. Goethitic fractures		74.0	75.3	1.3	301	0.6	1	302	84
		75.3	76.6	1.3	302	0.4	<1	280	42
76.6 - 79.8 5% medium-grained crystalline galena in seams and irregular fractures		76.6	78.2	1.6	303	43.0 g/t	1	10,000 8.32%	14 <0.01%
		78.2	79.8	1.6	304	22.8 g/t	1	10,000 4.40%	14 <0.01%
79.7 - 82.6 No sulphides, no reaction with zinc zap. Locally abundant goethite		79.8	81.2	1.4	305	1.6	2	1260	76
		81.2	82.6	1.4	306	0.6	<1	518	64
82.6 - 91.4 No sulphides. No rxn with zinc zap. Abundant goethite on fractures		82.6	84.1	1.5	307	0.8	<1	276	56
		84.1	85.6	1.5	308	1.6	<1	246	140
		85.6	87.1	1.5	309	0.8	<1	116	80
		87.1	88.6	1.5	310	1.0	<1	198	104
		88.6	90.0	1.4	311	0.6	<1	318	202
		90.0	91.4	1.4	316312	0.6	<1	242	182

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DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A	B	C	D	E	FRACTURE INTENSITY	% VEIN QTZ
		KDO		91.4 - 98.0 Mt. Kison Fm. Argillaceous limestone							
	77	KALS	Rubble	Medium to dark grey. Weak reaction to HCl. Poorly developed bedding and colour banding. 5% calcite fractures							
95			60° bedding	and veinlets to 1 cm wide.							
	87		40° Slickensides Rubble	92.5 - 93.5 Rubble (goethitic)							
				96.1 - 96.3 Rubble							
	65	KDO		98.0 - 153.4 Mt. Kison Fm. Dolomite							
100				Cream-coloured, light grey or medium grey. Generally massive; irregular crenulated laminae (algal?) from							
	113			123.7 - 128.0							
105	96		50° slip	0-5% calcite in irregular microfractures and 2-10 mm veinlets; cut by sparse 2-5mm dolomite veinlets							
	100										
110				104.4 - 105.1 Medium grey. 5% porosity in irregular 2-10 mm vugs lined w/ fine Do crystals and a few blebs galena							
	100										
	99			110.0 - 110.5 Vuggy, calcite-cemented collapse(?) breccia							
115			116.6 60° slip								
	97		118.0 - 118.6 25° gouge								
120	78										
	87										
125			124.5 - 125.0 Rubble								
	80										
			128.0 - 128.3 Rubble								
	69		40° Colour banding								
130											
	89	KDO									
135											

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MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS ppm Ag	ppm Cu	ppm Pb	ppm Zn
91.4-98.0 No sulphides. No reaction with zinc zap. Locally abundant goethite on fractures and with fault rubble.		91.4	92.9	1.5	316313	0.6	1	172	236
		92.9	94.4	1.5	316314	0.6	3	160	178
		94.4	95.9	1.5	316315	0.4	<1	14	42
		95.9	96.9	1.0	316316	1.0	<1	32	76
		96.9	98.0	1.1	317	0.4	<1	14	86
98.0- 103.0 No sulphides. No rxn with zinc zap.		98.0	99.5	1.5	318	0.4	<1	22	124
		99.5	101.0	1.5	319	0.6	<1	4	50
		101.0	103.0	2.0	320	0.4	<1	16	98
103.0 - 104.4 No sulphides. Weak zinc zap reaction on limonitic fractures		103.0	104.4	1.4	321	0.4	<1	8	338
104.4-105.1 <1% galena in blebs. Strong zinc zap reaction with limonite and along microfractures		104.4	105.1	0.7	322	0.8	3	188	5050
		105.1	106.4	1.3	323	0.6	<1	56	1440
		106.4	107.9	1.5	324	0.6	<1	52	394
105.1 - 106.4 No sulphides. Weak zinc zap reaction along limonitic fractures		107.9	109.4	1.5	325	0.6	<1	<2	50
		109.4	110.9	1.5	326	0.6	<1	8	110
106.4- 126.5 No sulphides. Almost no rxn with zinc zap. Limonitic fractures.		110.9	112.4	1.5	327	0.6	<1	<2	54
		112.4	113.9	1.5	328	0.4	<1	2	68
		113.9	115.4	1.5	329	0.6	<1	28	192
Traces of zinc zap reaction on microfractures and gouge from 114.5 - 118.5		115.4	116.9	1.5	330	0.4	<1	24	132
		116.9	118.4	1.5	331	<0.2	<1	36	184
		118.4	119.9	1.5	332	<0.2	<1	12	108
		119.9	121.4	1.5	333	<0.2	<1	6	66
		121.4	123.1	1.7	334	<0.2	<1	2	58
		123.1	124.8	1.7	335	<0.2	<1	<2	42
		124.8	126.5	1.7	336	<0.2	<1	14	64
126.5 - 128.3 Very fine-grained PY (<1%) SP(<1%) and GL (<1%) filling irregular fractures. Weak zinc zap reaction on fractures. Minor goethite on fractures.		126.5	128.3	1.8	337	2.9 g/t	19	~~838~~ 0.12%	~~710,000~~ 1.32%
		128.3	129.8	1.5	338	0.2	<1	104	260
		129.8	131.3	1.5	339	0.2	<1	30	166
		131.3	132.8	1.5	340	0.2	<1	10	78
128.3 - 138.1 No sulphides. No rxn with zinc zap. Limonitic fractures		132.8	134.3	1.5	341	<0.2	<1	<2	84
		134.3	135.8	1.5	316342	<0.2	<1	<2	90

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DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A	B	C	D	E	FRACTURE INTENSITY	% VEIN QTZ.
	98	KDO									
				138.1 - 138.5 Vuggy calcite-lined fault breccia. Irregular patches of fine-grained pyrite							
140	100										
	100										
145	100			146.9 - 147.8 Breccia - subrounded dolomite fragments in dolomite gouge							
	100			148.4 5cm gouge 60°							
150	100	KDO									
	98			153.9 - 165.0 Mt. Kisan Fm. Dolomite breccia							
155	97	KDOBx		Light to medium grey. Subangular 0.5-15cm dolomite fragments in calcite-rich fine-grained matrix, commonly brown from limonite. Larger fragments cut by calcite-filled irregular fractures.							
160	97			calcite vein							
	87			Includes sparry white calcite vein (159.8 - 160.4) fragments of which are included in breccia from 159.5 - 159.8, and sparry CA vein (163.4 - 164.1)							
				calcite vein							
165				20° calcite vein on contact							
	92	KDO		165.0 - 184.3 Mt. Kisan Fm. Dolomite							
	96			Medium grey, mottled. Cut by 0-5% CA microfractures and veinlets.							
170				169.6 - 169.9 Dark grey argillaceous limestone							
				rubble							
	99			170.6 - 172.9 Breccia. Subangular 0.5-2cm dolomite fragments in light grey to brown fine-grained calcareous matrix.							
175	94			45° Vein bx							
				174.4 - 174.5 Vein breccia - 15% angular dolomite fragments in sparry CA veinlet.							
	76	KDO									
				179.6 rubble							
180											

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS ppm Ag	ppm Cu	ppm Pb	ppm Zn
		135.8	137.3	1.5	316343	<0.2	<1	66	46
138.1-138.5 <1% pyrite in irregular seam. No rxn with zinc zap		137.3	138.8	1.5	344	<0.2	<1	4	78
		138.8	140.3	1.5	345	<0.2	<1	22	186
138.5-149.5 No sulphides. Local weak zinc zap. reaction on fractures		140.3	141.8	1.5	346	<0.2	<1	<2	40
		141.8	143.3	1.5	347	<0.2	<1	<2	34
		143.3	144.8	1.5	348	<0.2	<1	6	112
		144.8	146.3	1.5	349	<0.2	<1	10	134
		146.3	147.8	1.5	350	<0.2	<1	2	90
		147.8	149.3	1.5	351	0.4	<1	22	180
149.5-153.4m Trace PY in micro-fractures and clots. Trace rxn with zinc zap.		149.3	150.8	1.5	352	0.2	<1	8	100
		150.8	152.3	1.5	353	0.2	<1	8	174
		152.3	153.4	1.1	354	<0.2	<1	<2	34
		153.4	155.1	1.7	355	0.2	<1	38	422
153.4-165.0m No sulphides. Rxn with zinc zap only on fracture at 162.0. Abundant dark redbrown limonite in matrix particularly from 159.0-159.8		155.1	156.6	1.5	356	0.2	<1	30	548
		156.6	158.1	1.5	357	0.2	<1	64	574
		158.1	159.6	1.5	358	0.4	<1	58	1690
		159.6	161.1	1.5	359	0.2	<1	20	298
		161.1	162.6	1.5	360	0.2	<1	26	280
		162.6	163.8	1.2	361	0.2	<1	14	118
		163.8	165.0	1.2	362	0.2	<1	26	216
165.0-184.3 No sulphides. No rxn with zinc zap. Minor limonite on fractures.		165.0	166.5	1.5	363	<0.2	<1	24	62
		166.5	168.0	1.5	364	0.2	<1	16	84
		168.0	169.5	1.5	365	<0.2	<1	18	150
		169.5	171.0	1.5	366	<0.2	<1	28	164
		171.0	172.5	1.5	367	0.2	<1	10	82
		172.5	174.0	1.5	368	<0.2	<1	<2	36
(173.6-173.7) 2% PY in coarse clots		174.0	175.5	1.5	369	0.2	<1	8	72
		175.5	177.0	1.5	370	0.2	<1	16	166
		177.0	178.5	1.5	371	0.2	<1	14	136
		178.5	180.0	1.5	316372	0.2	<1	32	210

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DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A	B	C	D	E	FRACTURE INTENSITY	% VEIN QTZ
				180.5-180.8 rubble							
	77										
		KDO		182.9 rubble							
	97			184.1-184.3 gouge + rubble							
185				184.3-187.8 Mt. Kisan Fm. Limestone. Cream-coloured to medium grey. Massive to							
		KLS		50° bedding							
	100			poorly bedded calcarenite. 2% porosity in							
				60° contact							
				fault bx irregular elongated fracture-controlled vugs.							
		KDO		fault bx 5% irregular calcite microfractures + veinlets							
190	100			187.8-192.6 Mt. Kisan Fm. Dolomite. Cream-coloured							
				to medium grey. 10% calcite microfractures							
				and veinlets. Fault breccias at 188.6-189.0							
	99			45°							
				20cm fault bx 189.7-191.1.							
195				192.6-194.2 Mt. Kisan Fm Limestone breccia. White							
	92	KDO		Subrounded pebbles to 2cm in finer unsorted							
				calcarenite matrix. 5% porosity with							
				calcite drusse.							
				194.2-249.8 Mt. Kisan Fm. Dolomite. Light to							
200				medium grey. Massive to poorly bedded							
				Increasingly argillaceous downhole with							
				short sections of dark grey, well-bedded,							
				locally pyritic argillaceous dolomite.							
				204.6-204.8 gouge							
205				25° 5% dolomite (and lesser calcite) in irregular							
				microfractures and veinlets							
			Fault breccia	199.1-208.0 Solution breccia. Angular							
		KDO		medium grey dolomite fragments to 1cm							
				in light grey dolomite matrix. Jigsaw							
				210.0 5cm gouge texture in places							
210				25°							
				206.5-207.5 Fault breccia. Medium grey							
				60° bedding dolomite fragments in dolomite/calcite gouge							
				212.5 chloritic slip							
				56° bedding							
				214.8-216.3 Laminated argillaceous pyritic							
215				50° bedding dolomite. Dark grey. 1% calcite in							
				microfractures.							
				40° chloritic slip							
				45° 8cm CA-PY vein 218.5-219.2 Fault gouge and breccia							
				25° gouge							
220											
		KDO		35° bedding							
				35° bedding							
				223.9-228.2 Argillaceous dolomite. Dark							
225				30° bedding grey. Gradational contact. 5%							

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MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS ppm Ag	ppm Cu	ppm Pb	ppm Zn
		180.0	181.5	1.5	316373	0.2	<1	54	376
		181.5	183.0	1.5	316374	<0.2	<1	18	142
		183.0	184.3	1.3	316375	<0.2	<1	28	344
184.3-187.8 No sulphides. No reaction with zinc zap. Sparse limonite on fractures		184.3	186.0	1.5	376	0.2	<1	16	102
		186.0	187.8	1.8	377	0.2	<1	22	98
187.8-192.6 No sulphides. No reaction with zinc zap. Moderate limonite on fractures and in gouge.		187.8	189.3	1.5	378	<0.2	<1	18	212
		189.3	190.8	1.5	379	<0.2	<1	16	246
		190.8	192.6	1.8	380	<0.2	<1	14	196
192.6-194.2 No sulphides. No reaction with zinc zap. Moderate limonite on fractures and in gouge		192.6	194.2	1.6	381	0.2	<1	36	198
		194.2	195.7	1.5	382	<0.2	<1	2	42
194.2-199.1 No sulphides except for 1 cm nugget of massive medium grained galena at 198.1. No reaction with zinc zap. Traces of limonite on fractures		195.7	197.2	1.5	383	<0.2	<1	6	22
		197.2	198.7	1.5	384	0.6	3	186	18
		198.7	200.2	1.5	385	0.2	<1	24	20
199.1-200.0 Trace pyrite in seams between breccia fragments. No reaction with zinc zap.		200.2	201.7	1.5	386	0.2	<1	4	14
		201.7	203.2	1.5	387	<0.2	<1	4	12
200.0-206.5 No sulphides. No reaction with zinc zap. Minor limonite on fractures		203.2	204.7	1.5	388	<0.2	<1	2	24
		204.7	206.5	1.8	389	<0.2	<1	14	28
206.5-214.8 <1% pyrite in clots, filling irregular microfractures and with calcite veinlets. No rxn with zinc zap.		206.5	208.0	1.5	390	<0.2	<1	10	68
		208.0	209.5	1.5	391	<0.2	<1	18	102
		209.5	211.0	1.5	392	0.2	3	28	268
		211.0	212.5	1.5	393	<0.2	7	30	424
		212.5	213.6	1.1	394	0.2	1	22	140
		213.6	214.8	1.2	395	0.2	1	40	72
214.8-216.3 3% pyrite in laminae and irregular microfractures. No reaction with zinc zap.		214.8	216.3	1.5	396	<0.2	3	34	286
		216.3	217.8	1.5	397	<0.2	1	32	222
216.5-228.2 3% pyrite in blebs (max 1cm), laminae (in argillaceous sections), fractures and in calcite veinlets. No reaction with zinc zap. No limonite		217.8	219.3	1.5	398	<0.2	<1	48	436
		219.3	220.8	1.5	399	0.2	<1	24	172
		220.8	222.3	1.5	400	0.2	2	26	212
		222.3	223.9	1.6	401	0.2	<1	26	54
		223.9	225.4	1.5	316 402	0.6	7	46	74

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DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A	B	C	D	E	FRACTURE INTENSITY	% VEIN QTZ
				calcite-filled microfractures							
			30° bedding	228.4-228.8 Fault breccia							
230		KDO		232.8-234.1 Rubble and gouge							
235			235.5 5cm gouge	237.6-238.9 Rubble and gouge							
240			70° pyritic slip								
245		KDO	5cm gouge 50°								
				248.8-249.0 Fault breccia							
250				249.2-249.4 Solution breccia							
		KMB		249.8-266.4 Mt. Kisson Fm. Recrystallized limestone. White with dark grey patches and irregular fractures. Fine-grained, crystalline. Generally massive, but includes 20cm sections of limestone breccia							
255	100										
	97										
260	100	KMB		262.1-262.3 Limestone breccia (sedimentary?) Subrounded white limestone fragments in fine-grained medium grey limestone matrix.							
265	100	KMB	35° contact	263.3-264.6 Limestone breccia same as 262.1.							
		KDO		266.4-268.3 Mt. Kisson Fm. Dolomite and dolomite breccia. Medium grey							
	97	KMB		268.3-270.7 Mt. Kisson Fm. Recrystallized limestone							
270			55° bedding	Medium grey; white patches. 10cm brx @ 269.9							

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS ppm Ag	ppm Cu	ppm Pb	ppm Zn
		225.4	226.9	1.5	316403	<0.2	<1	14	110
		226.9	228.2	1.3	404	0.2	1090	18	142
228.2-249.8 <1% pyrite in irregular microfractures along stylolites, and in irregular blebs. No reaction with zinc zap. No limonite		228.2	229.7	1.5	405	0.2	1	18	182
		229.7	231.2	1.5	406	<0.2	68	10	80
		231.2	232.7	1.5	407	0.2	<1	18	118
		232.7	234.2	1.5	408	0.2	1	22	130
		234.2	235.7	1.5	409	<0.2	<1	22	168
		235.7	237.2	1.5	410	0.2	1	52	266
		237.2	238.7	1.5	411	0.2	<1	36	286
		238.7	240.2	1.5	412	0.4	3	32	168
		240.2	241.7	1.5	413	0.2	<1	40	38
		241.7	243.2	1.5	414	<0.2	<1	22	16
		243.2	244.7	1.5	415	<0.2	<1	8	96
		244.7	246.2	1.5	416	0.2	<1	22	240
		246.2	248.0	1.8	417	0.2	<1	22	156
		248.0	249.8	1.8	418	<0.2	<1	16	118
249.8-266.4 <1% pyrite along stylolites and fractures. Weak reaction with zinc zap on scattered fractures; remainder has no reaction. No limonite		249.8	251.3	1.5	419	0.2	<1	14	76
		251.3	252.8	1.5	420	0.2	<1	18	42
		252.8	254.3	1.5	421	0.2	<1	18	38
		254.3	255.8	1.5	422	0.2	<1	16	42
		255.8	257.3	1.5	423	0.2	<1	32	42
		257.3	258.8	1.5	424	0.2	<1	94	48
		258.8	260.3	1.5	425	0.2	<1	40	50
		260.3	261.8	1.5	426	<0.2	<1	32	42
		261.8	263.3	1.5	427	0.2	<1	26	34
		263.3	264.8	1.5	428	0.2	1	62	48
		264.8	266.4	1.6	429	0.2	<1	150	84
266.4 270.7 <1% pyrite along fractures and between breccia fragments. No rxn with zinc zap. No limonite.		266.4	267.9	1.5	430	0.2	<1	46	50
		267.9	269.4	1.5	431	0.2	<1	22	40
		269.4	270.7	1.3	316432	0.2	<1	40	152

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DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A	B	C	D	E	FRACTURE INTENSITY	% VEIN QTZ.
	97	KDO		270.7-307.8 Mt. Kisson Fm. Dolomite. Light to medium grey. Massive & aphanitic. Bedding locally marked by colour banding. 5% white calcite veinlets and irregular microfractures. Patches							
	87		Rubble 274.3								
275	100			and seams of powdery cream-coloured calcite (forming 5-20% of rock) with 3% irregular blebs of fine-grained pyrite at 275.6-277.5, 279.8-283.7 & 296.3-298.9 Darker grey argillaceous patches and beds							
	100										
280	100			increasing downward. Crushed zones throughout, including sections with powdery cream-coloured calcite + pyrite.							
285	100										
	100		288.0 5cm gouge								
290	99		290.4 colour banding 35°								
	53		292.6 5cm gouge	292.8-293.4 Rubble and gouge							
295	77										
				297.3-298.9 Fault breccia - subrounded to subangular light grey dolomite							
300	43			fragments to 3cm in cream-coloured calcareous matrix with 5% dendritic blebs of pyrite							
	48			299.2-306.2 Rubble, gouge and fault breccia							
305	17	KDO	40° bedding								
	71	KMBG	307.8-309.8 50° bedding 60° contact	Mt. Kisson Fm. Argillaceous dolomite and graphitic argillite. Medium to							
310	37	BPG	311.4 10cm gouge	dark grey argillaceous dolomite, gradational into black, graphitic, pyritic argillite. Crushed sections with minor gouge.							
315	26										

 PROJECT: SWAN HOLE NO. ST96-03

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS ppm Ag	ppm Cu	ppm Pb	ppm Zn
270.7-307.8 1% pyrite in dendritic blebs and along fractures. 3-5% pyrite from 275.6-277.5, 279.8-283.7 and 296.9-298.9. No rxn with zinc zap. Limonite on fractures from 272.2-272.6		270.7	272.3	1.6	316433	0.4	<1	120	264
		272.3	273.9	1.6	434	<0.2	<1	78	154
		273.9	275.6	1.7	435	<0.2	<1	28	86
		275.6	277.5	1.9	436	0.2	<1	90	514
		277.5	278.7	1.2	437	0.2	<1	10	22
		278.7	279.8	1.1	438	<0.2	<1	8	100
		279.8	281.1	1.3	439	<0.2	<1	108	610
		281.1	282.4	1.3	440	0.2	<1	122	666
		282.4	283.7	1.3	441	<0.2	<1	32	250
		283.7	285.2	1.5	442	0.2	<1	10	56
		285.2	286.7	1.5	443	<0.2	<1	12	74
		286.7	288.2	1.5	444	<0.2	<1	14	56
		288.2	289.7	1.5	445	<0.2	<1	2	24
		289.7	291.2	1.5	446	<0.2	<1	<2	16
		291.2	292.9	1.7	447	<0.2	<1	<2	34
		292.9	294.6	1.7	448	0.2	<1	<2	52
		294.6	296.3	1.7	449	<0.2	<1	98	258
		296.3	297.6	1.3	450	<0.2	<1	170	346
		297.6	298.9	1.3	451	0.2	<1	154	224
		298.9	300.4	1.5	452	<0.2	<1	190	142
		300.4	301.9	1.5	453	<0.2	<1	448	410
		301.9	303.4	1.5	454	<0.2	<1	122	38
		303.4	304.9	1.5	455	0.2	<1	230	112
		304.9	306.4	1.5	456	<0.2	<1	358	214
		306.4	307.8	1.4	457	0.2	<1	312	232
307.8-309.8 <1% pyrite in micro-fractures and gouge. Includes 5mm pyrite bed at 309.4. No reaction with zinc zap. No limonite		307.8	309.8	2.0	458	<0.2	4	52	36
		309.8	311.3	1.5	459	<0.2	18	42	114
		311.3	312.8	1.5	460	<0.2	22	10	106
		312.8	314.3	1.5	461	<0.2	10	44	58
		314.3	315.8	1.5	462	<0.2	14	276	50

PAGE 16 OF 17 | PROJECT: SWAN | HOLE NO. ST96-03

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A	B	C	D	E	FRACTURE INTENSITY	% VEIN QTZ
	26			309.8-323.1 Mt Brown GP. Phyllite. Pale green, weakly sericitic, non-calcareous phyllite. Well-developed cleavage at 70° to core axis, with crushing and minor gouge throughout along cleavage.							
	20	BPG									
320											
	13			312.0-323.1 Fault gouge and rubble. Includes fragments of phyllite and light grey, clean quartzite with 1% pyrite on fractures.							
				323.1 End of hole							
325											

PAGE 17 OF 17	PROJECT: SWAN	HOLE NO. ST96-03

MINERALIZATION DESCRIPTION	TOTAL SULPHIDES	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS ppm Ag	ppm Cu	ppm Pb	ppm Zn
309.8-323.1 1% fine-grained disseminated pyrite. No reaction with zinc zap. No limonite		315.8	317.3	1.5	316463	<0.2	7	80	20
		317.3	318.8	1.5	464	<0.2	9	50	68
		318.8	320.3	1.5	465	<0.2	5	2	60
		320.3	321.7	1.4	466	<0.2	9	10	44
		321.7	323.1	1.4	316467	<0.2	9	2	44

PAGE	OF	PROJECT:	HOLE NO.

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

EQUITY ENGINEERING LTD.

DRILL LOG

PROJECT: SB 96-01	GROUND ELEV.: 1315m
HOLE NO.: ST 96-04	BEARING: 135°
LOCATION: N 6256216 E 348685	DIP: -50
	TOTAL LENGTH: 57.9m
LOGGED BY: J. Lehtinen	HORIZONTAL PROJECT: 37.2m
DATE: Aug 20/96	VERTICAL PROJECT: 44.4m
CONTRACTOR: Britton Bros	ALTERATION SCALE: 0 1 2 3 — absent; slight; moderate; intense
CORE SIZE: BQTW	
DATE STARTED: Aug. 16/96	TOTAL SULPHIDE SCALE: 0 1 2 3 4 — traces only; < 1%; 1% – 3%; 3% – 10%; > 10%
DATE COMPLETED: Aug 17/96	
DIP TESTS: —	LEGEND
COMMENTS: Hole targetted to test the large Pb-Zn-Ag anomaly of the Swan East Zone	

PAGE 2 OF 6 | PROJECT: SE 96-01 | HOLE NO. SE 96-04

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A	B	C	D	E	FRACTURE INTENSITY	% VEIN QTZ.
0.0				0 - 9.1 m Casing							
5.0		Casing		9.1 - 18.2 Limestone Very rubbly core with poor recovery - Intervals with thinly bedded grey & Limonitic beds. & Grey & white mottled & intensely fractured with limonite along fractures. Dark grey - black limestone → dolomite with gradational basal contact (in rubble)							
10.0	16										
	23	KLS									
15.0				18.2 - 21.9 Dolomite Light grey - white - Intensely fractured core with strong limonite stain. Rubbly core - Patchy $FeCO_3$ as replacement(?) of fragments.							
	39										
20.0	50	KDM		- Calcite stringers. Fractures							
	58		20° fractures 80	filled with pale orange - brown ankerite(?). ZTap +ve in fractures							
25.0											
	07	KLS		21.9 - 44.5 Limestone - Predominantly grey - white with rare bedding throughout. Upper portion of interval with numerous Limonitic / boxwork							
30.0	87										
	93		25-35° fractures	fracture fill. 21.9 - 22.7 Mottled brown + grey - white. Brown - $FeCO_3$ alteration(?) 22.7 - 30.8 Strongly broken core. Fractures commonly filled with limonite boxwork. Fractures							
35.0	61										
	90		75° Banding 70° Fracturing	variable @ 20° - 80° TCA. Fracture fill up to 1cm, commonly 2mm. Pitted core along fractures.							
40.0	87										
	63	KLS									
45.0											

PAGE 3 OF 6	PROJECT: SB 96-01	HOLE NO. ST 96-04

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS ppm Ag	ppm Cu	ppm Pb	ppm Zn
5.0									
in Py + Limonitic Py along fractures		9.1	12.2	3.1	316159	<0.2	6	12	306
Rusty stained Limonite along fractures		12.2	15.2	3.0	316160	0.2	3	26	492
Weak zz tve on fractures									
- Minor zz tve along fractures		15.2	18.3	3.1	316161	1.2	4	98	1335
15									
- zz tve - mod. along fractures		18.3	19.8	1.5	316162	0.6	3	272	792
20 - Rusty fracture surfaces + zz tve		19.8	21.9	2.1	316163	13.4 Mg/t	7	4460 0.58%	>10,000 2.06%
Strong, near base of interval									
- Strong zz tve near top. - Boxwork		21.9	24.4	2.5	316164	1.6	1	332	1620
Limonitic fracture up to 5mm									
- Limonite on fractures, poor recovery		24.4	27.4	3.0	316165	5.6	3	618	1730
25									
Limonite - Boxwork in fracture fillup		27.4	28.9	1.5	316166	1.8	1	352	972
to 1cm - Weak zz tve									
As Above		28.9	30.5	1.6	316167	1.0	1	248	1055
30 As Above		30.5	32.0	1.5	316168	1.0	1	254	2210
As Above		32.0	33.5	1.5	316169	1.0	1	192	2900
As Above + increased pitted		33.5	35.0	1.5	316170	3.2 <3.2g/t	8	952 0.12%	>10,000 3.45%
35 fracture + Limonite (see photo)									
As Above		35.0	36.6	1.6	316171	2.2	5	288	8630
- tve Zinc Zap along narrow fractures		36.6	38.1	1.5	316172	1.0	<1	70	1560
As Above + increased zz overall, disseminated FE(sz)		38.1	39.6	1.5	316173	0.8	<1	52	592
AS ABOVE		39.6	41.1	1.5	316174	0.6	<1	38	170
40									
Weak pervasive zz tve over		41.1	42.7	1.6	316175	0.8	<1	46	178
top 1/2 of interval, + in fractures									
Weak zz tve + pitted boxwork		42.7	44.5	1.8	316176	0.8	<1	30	98
in minor vuggy hairline fractures									
45									

PAGE 4 OF 6 | PROJECT: SB 96-01 | HOLE NO. ST96-04

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A	B	C	D	E	FRACTURE INTENSITY	% VEIN QTZ
45.0				30.8 - 39.6 - Mod. - weakly fractured & pitted core with limonite on fracture surfaces. Fractures variable from 25-35° TCA. Heavily eroded & pitted zone @ 33.7 - 34.1 m - Top contact 45° TCA							
	26	KLS	75° Bedding								
		KDBX DB DO	Breccia								
50.0	97	LS	80° Basal Contact								
	74	KLS	80° Bedding + 78° Stylolites	ZZ tve associated with fractures & boxwork throughout interval							
			85° Bedding	39.6 - 44.5 Mod. competent core							
55.0	47		65° Bedding	Creamy white to gray white with minor black banding & fractures. Banding 75° TCA							
				57.9 E.O.H. Fracturing commonly 70° TCA. - Weak bleached white alt'n envelopes paralleling hairline light orange fracture fill. Very minor ZZ tve reaction all associated with fracturing - Basal 10 cm of black limestone							
60.0				44.5 - 45.7 Fault Very poor recovery - Mill-breccia silt/sand with minor fragments.							
				45.7 - 48.5 Limestone Banded black & gray white limestone & limestone rubble - Bedding ≈ 75° TCA							
				48.5 - 49.9 Dolomite Breccia Light orange - gray to light gray Fragments upto 5 cm - orange-gray in lighter gray matrix = Dolomite (Sol'n 6x ?)							
				- Stylolitic, Minor late calcite stringers - Calcite veining @ base of interval (5 cm)							

PAGE 5 OF 6	PROJECT: SB 96-01	HOLE NO. ST96-04

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS ppm Ag	ppm Cu	ppm Pb	ppm Zn
45									
- Sand / Silt + Limestone rubble		44.5	48.5	4.0	316177	2.8	6	502	1970
- Mod - ZE^{tve} in fractures T-GA +PY along fractures		48.5	49.9	1.4	316178	1.0	<1	116	368
50 - Mod. ZE^{tve} in fractures + pervasive in bx frags + matrix		49.9	51.4	1.5	316179	2.0	<1	770	1245
- ZE^{tve} along fractures + bed // fractures		51.4	52.9	1.5	316180	1.0	<1	88	176
- weak ZE^{tve} in fine fractures		52.9	54.4	1.5	316181	<0.2	<1	60	102
55 - As Above		54.4	55.9	1.5	316182	<0.2	<1	104	164
- weak ZE^{tve} along fractures + assoc. with dolomite stringers		55.9	57.9	2.0	316183	<0.2	<1	170	144
60									

PAGE 6 OF 6 | PROJECT: SB 96-01 | HOLE NO. ST96-04

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A	B	C	D	E	FRACTURE INTENSITY	% VEIN QTZ.
				49.9 - 51.4 Limestone Breccia Variable between breccia and 10 - 20cm intervals of banded limestone (creamy white) + Mottled grey + white dolomite. Upper contact = healed fault bx. with calcite stringers. Flt & Sol'n? bx @ base of interval. Basal contact @ ± 80° TCA. Mod. Zb +ve all associated with fracturing, fragments in bx							
				51.4 - 57.9 Limestone white to light grey with irregular dark grey - black bands. 51.4 - 51.9 - Strongly broken core with weak Fe stain along fracture s. 51.9 - 54.5 · white to creamy white with weak banding (black) @ 70-80° TCA. Stylolites @ 70-80° TCA. Numerous black hairline fractures. 54.5 - 57.9 - Grey + white limestone - Bedding @ 85° TCA. Rubbly core. Short intervals with white calcite assoc. with sol'n bx (Hydrofracture?) Bedding near base of interval @ 65° TCA							
				EOH 57.9m							

EQUITY ENGINEERING LTD.

DRILL LOG

PROJECT: SB 96-01	GROUND ELEV.: 1315 m
HOLE NO.: ST 96-05	BEARING: 135°
LOCATION: N 6256216 E 348685	DIP: -70
	TOTAL LENGTH: 131.1 m
LOGGED BY: J. Lehtinen	HORIZONTAL PROJECT: 44.8m
DATE: Aug 19/96	VERTICAL PROJECT: 123.2m
CONTRACTOR: B.-Hon Bros Contracting	ALTERATION SCALE
CORE SIZE: BQTW	
DATE STARTED: Aug 17/96	
DATE COMPLETED: Aug 18/96	TOTAL SULPHIDE SCALE
DIP TESTS: —	
COMMENTS: Target = Pb, Zn + Ag anomaly at Swan East Zone	LEGEND

ALTERATION SCALE

absent
slight
moderate
intense

TOTAL SULPHIDE SCALE

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

PAGE 2 OF 9 | PROJECT: Susan SB 96-01 | HOLE NO. ST96-05

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A	B	C	D	E	FRACTURE INTENSITY	% VEIN QTZ.
0		CASING		0 - 6.1 m Casing							
				6.1 - 19.5 Dolomite / Limestone							
				Med - dark grey on fresh surface.							
5.0				- Complete interval is Orange-brown							
				due to alteration / weathering. Strong							
	11		Rubble	Ankerite? stringers. Minor intervals of fresh							
				limestone to dolomite							
10.0				- Very strongly fractured throughout							
	33			- Minor calcite stringers (white)							
		KLS/		6.1 - 9.5 - Rubble - likely overburden							
	98	KDO	Core	- Mixed Echo Lake & Mt. Kisbey							
				9.5 - 14.2 - Rubble with numerous fractures							
15.0				with Fe oxides. Dominantly med							
	85		Rubble	green-grey Dolomite with calcite							
				in very fine fractures. Basal							
				20 cm with numerous, rusty							
				ankerite(?) filled fractures +							
20.0	97			white calcite							
		KES		14.2 - 15.9 Extremely rusty rubble							
		Stain		of LDO? with strong ankerite(?) fractures							
	96	Rusty		15.9 - 19.5 Dark Grey dolomite							
		Stain		- Very strongly fractured & filled with							
25.0				light yellow ankerite + calcite							
	100			- rusty fractures - Numerous rubbly							
		KLS/DO		zones 18.7 - 18.7 = Minor bx							
			Sol'n Bx	Sol'n bx(?) - Fragments in ankerite?							
	97			fill. Gradational basal contact							
30.0				into Limestone							
		KLS									
	23			19.5 - 37.2 Limestone							
			Fit	Extremely rusty appearance, strongly							
				broken core. Extremely stringered							
35.0	56			with light orange-brown ankerite							
				stringers and minor calcite (white)							
				- Rusty fracture surfaces							
	94			19.5 - 24.6 - Orange - Grey limestone							
			60° Bedding	with numerous ankerite fractures							
40.0				24.6 - 29.8 - Dol. or L.S.? Extremely							
	43	KLS		Ankerite altered. Ankerite alteration							
				related to fracture density - Minor							
				sol'n bx @ 27.8 (Calcite + L.S.)							

PAGE 3 OF 9	PROJECT: SB 96-01	HOLE NO. ST96-05

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS ppm Ag	ppm Cu	ppm Pb	ppm Zn
0.0									
CASING									
5.0									
6.1									
Weak (tve) ZZ		6.1	9.1	3.0	316079	60.2	11	2	22
Rusty Limonite Surfaces with tve ZZ		9.1	12.2	3.1	316080	1.6	4	26	724
10.0 Weak ZZ on Limonitic surfaces		12.2	13.7	1.5	316081	3.2	1	106	964
As Above		13.7	15.2	1.5	316082	6.6	3	360	4480
15.0 As Above		15.2	16.7	1.5	316083	1.4	1	58	1100
As Above		16.7	18.3	1.6	316084	1.2	2	140	600
As Above		18.3	19.5	1.2	316085	0.6	4	72	502
20.0 As Above.		19.5	21.0	1.5	316086	0.6	3	42	460
As Above + Tr. PY		21.0	22.5	1.5	316087	3.0	2	80	462
" " " "		22.5	24.0	1.5	316088	2.0	1	72	1160
25.0 Z.Z tve along Limonitic ± PY fractures		24.0	25.5	1.5	316089	4.6	5	154	4450
" " " "		25.5	27.0	1.5	316090	2.8	4	164	3280
As Above		27.0	28.5	1.5	316091	2.6	4	122	1230
As Above		28.5	30.0	1.5	316092	3.4	4	386	2340
30.0									
Heavy Limonite + minor ZZ tve		30.0	33.5	3.5	316093	20.2	5	2110	7380
As Above		33.5	36.6	3.1	316094	2.0	1	158	1220
35.0 As Above		36.6	37.2	0.6	316095	8.2	6	400	2030
Rusty Pyritic fractures + Minor ZZ		37.2	38.5	1.5	316096	2.6	2	332	874
As Above		38.5	40.0	1.5	316097	2.8	3	736	1430
40.0									

PAGE 4 OF 9 | PROJECT: Swan 5896-01 | HOLE NO. ST 96-05

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A	B	C	D	E	FRACTURE INTENSITY	% VEIN QTZ.
40.0				19.5-37.2 (cont'd.) 29.8-37.2 - Extremely broken core. - Very strongly oxidized. Orange brown. Very intense rubble							
	63										
			30° - Bedding? / Fractures	Strongly - orange-brown fm 29.8-33.6 - Sandy rubble @ basal 30 cm.							
45.0	100										
	100	KLS		37.2-55.9 Limestone White to light grey, weakly banded - Fractures with disseminated pyrite + alteration envelopes upto 5mm.							
50.0	99		65° Banding	- Envelopes - creamy orange-white 37.2-42.5m - Rubbly white limestone with banding / bedding of med. grey & white beds ≈ 3mm - 2cm. Bedding @ 60° TCA.							
	95										
55.0											
	99	KLS to Banded L.S		Rusty stain on fracture surfaces - Rare 3cm inclusion of orange-brown Fe oxide. Minor dissem pyrite along fractures. 42.5-49.3 - Moderately competent							
	86		60° Banding								
60.0				Light grey - white Minor pyritic fractures (along bedding?) @ ≈ 30° TCA 49.3-50.7 Strongly broken core as above, fine grey-black erratic stringers. 5cm Sparry calcite @ base							
				50.7-51.2 - Sol'n bx: Barkevikite (?) altered fragments in calcite 51.2-52.5 - banded limestone banding @ 65° TCA. - Numerous Fe oxide filled fractures							
				52.5-53.5 Bx med grey fragments Cemented by calcite ± ankerite(?) 53.5-55 g white + banded Thin <3mm black bands @ 65° TCA, dominantly in top 60 cm. Erratic, very fine fracturing near base of interval							
				55.9-62.2 Banded Limestone Dark grey + white banded L.S. banding decreasing downsection. Core becoming fractured + rubbly downsection 55.9-58.3 - Well banded limestone bedding @ 60° TCA. Minor late fracture AT, sub-parallel TCA with 1 cm displacement @ 56.2							

PAGE 5 OF 9	PROJECT: SB 96-01	HOLE NO. ST96-05

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS ppm Ag	ppm Cu	ppm Pb	ppm Zn
40.0									
Very mushy Remnant PY in fractures ZN+ve		40.6	41.5	1.5	316098	0.2	1	120	766
As above weak ZN+ve		41.5	43.0	1.5	316099	0.6	3	228	1360
As above + weak ZN wi PY.		43.0	44.5	1.5	316100	<0.2	1	78	912
45.0		44.5	46.0	1.5	316101	0.2	1	56	1365
As above		46.0	47.5	1.5	316102	<0.2	<1	14	80
Weak ZN in minor fractures		47.5	49.0	1.5	316103	<0.2	<1	14	144
50.0 Weak ZN		49.0	50.5	1.5	316104	0.2	<1	58	108
Weak ZN with fracturing		50.5	52.0	1.5	316105	0.6	1	150	346
Tr ZN		52.0	53.5	1.5	316106	0.4	1	198	426
Tr ZN in fractures		53.5	55.0	1.5	316107	<0.2	<1	54	202
55.0									
As Above		55.0	56.5	1.5	316108	<0.2	<1	240	796
As Above		56.5	58.0	1.5	316109	<0.2	<1	134	318
Tr PY + Chalcopyr ZN on fractured/Rubble		58.0	59.5	1.5	316110	0.2	<1	210	526
60.0 " " " " " "		59.5	61.0	1.5	316111	0.4	1	288	1020
Weak ZN wi fractures		61.0	62.2	1.2	316112	0.2	1	164	388
Minor PY with $CaCO_3$ stringers		62.2	63.7	1.5	316113	0.2	16	152	106
" " " " "		63.7	64.6	0.9	316114	0.2	14	82	16
65.0 Tr. PY on fractures		64.6	66.1	1.5	316115	<0.2	10	32	20
Tr - 1% PY disseam		66.1	67.6	1.5	316116	<0.2	19	30	50
" "		67.6	69.1	1.5	316117	<0.2	15	6	58
70.0 Tr PY		69.1	70.6	1.5	316118	<0.2	16	8	60
Tr PY		70.6	72.1	1.5	316119	<0.2	17	10	48
Tr PY		72.1	73.6	1.5	316120	<0.2	20	10	78
Tr PY		73.6	75.1	1.5	316121	<0.2	22	10	80
75.0									
Tr PY		75.1	76.6	1.5	316122	<0.2	23	14	84
Tr PY		76.6	78.1	1.5	316123	<0.2	21	8	88
Tr. PY		78.1	79.6	1.5	316124	<0.2	18	10	80
80.0									

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DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A	B	C	D	E	FRACTURE INTENSITY	% VEIN QTZ.
60.0											
		KLSb	70° Bedding	55.9 - 62.2 (cont'd) 58.3 - 60.6 - Strongly broken with heavy Fe stain on all fractures.							
	90	Black BPB Phyllite	70° Bedding / fol'n	60.6 - 62.2 - Weakly banded, mod. fractured - Bedding @ 90° TCA. Minor fracturing ∥ TCA - Strongly							
65.0											
	75	Phyllite BPG	65° fol'n	Calcite veined near base of interval. Sparry calcite @ contact							
	99		80° Bedding	62.2 - 64.6 Black Phyllite Strongly foliated & banded black to							
70.0											
	89			dark grey. Sericite along fracture surfaces - Near top of interval = 2 1 cm calcite vein with 15-20% Py Bedding / Foliation variable							
75.0	59			@ 70 - 90° TCA. Cleavage							
			80° Bedding / Cleavage	parralleling bedding - Gradational base / contact grading from black → dark grey → light grey-green.							
	67										
80.0				64.6 - 131.1 Phyllite							
	90		Crush Zone	- Pale green, poor competency, minor remnant bedding / structures. - Strongly foliated. Weak to strongly sericitic							
	100	BPG		64.6 - 66.5 - Gradational contact with overlying Black Phyllite - Mod. deformed							
85.0											
	53			bedding. Numerous bedding parallel fine fractures with minor Py.							
				66.5 - 68.1 Green with rusty ankerite(?)							
				stringers, main < 3mm calcite							
90.0				- Foliation @ 65° TCA. Tr. - 1%							
	78		60° fol'n	Py							
				disseminated in fractures							
				68.1 - 68.2 Fault gouge							
	87			68.2 - 69.9 - Phyllite as above + weak fol'n / bedding @ 80° TCA Pyrite Tr - 1% along fractures							
95.0											
	90			69.9 - 75.9 Fault Zone Numerous fault gouge zones with strongly broken core intermediate to faulting							
	84	BPG	65° fol'n	75.9 - 81.7 Strongly broken core Bedding / Cleavage @ 80°							
100.0											
	77			Crushed zone @ 80.1 - 80.6 m							
				81.7 - 84.2 Mod. competent phyllite strongly micro fractured with dolomite(?) or ankerite infill. Trace pyrrhotite in cleavage /							
	84			bedding - 5cm fault crush zone							

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MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS ppm Ag	ppm Cu	ppm Pb	ppm Zn
80									
Tr PY + Pyrrhotite		79.6	81.1	1.5	316125	<0.2	20	8	82
Trace Pyrhotite dissem + fr. Lift		81.1	82.6	1.5	316126	<0.2	25	30	94
Tr PO		82.6	84.1	1.5	316127	<0.2	22	30	150
85 —		84.1	85.6	1.5	316128	<0.2	12	8	50
Tr PY dissem + Fr. Gll		85.6	87.1	1.5	316129	<0.2	19	12	78
" " " " "		87.1	88.6	1.5	316130	<0.2	18	10	72
" " " " "		88.6	90.1	1.5	316131	<0.2	22	42	82
90									
Tr PY on fractures + dissem		90.1	91.6	1.5	316132	<0.2	23	10	86
" " " " + dissem		91.6	93.1	1.5	316133	<0.2	21	8	80
As Above		93.1	94.6	1.5	316134	<0.2	20	14	78
95 As Above		94.6	96.1	1.5	316135	<0.2	14	12	66
As Above		96.1	97.6	1.5	316136	<0.2	17	14	68
As Above		97.6	99.1	1.5	316137	<0.2	12	10	58
100 As Above		99.1	100.6	1.5	316138	<0.2	16	12	78
" "		100.6	102.1	1.5	316139	<0.2	19	22	76
" "		102.1	103.6	1.5	316140	<0.2	20	12	90
" "		103.6	105.1	1.5	316141	<0.2	19	14	90
105									
As Above		105.1	106.6	1.5	316142	<0.2	19	16	84
" "		106.6	108.1	1.5	316143	<0.2	17	12	76
As Above		108.1	109.6	1.5	316144	<0.2	16	14	68
110 " "		109.6	111.1	1.5	316145	<0.2	17	14	68
As Above		111.1	112.6	1.5	316146	<0.2	13	14	48
" "		112.6	114.1	1.5	316147	<0.2	10	2	50
115 As Above		114.1	115.6	1.5	316148	<0.2	19	18	54
" "		115.6	117.1	1.5	316149	<0.2	10	22	32
" "		117.1	118.6	1.5	316150	<0.2	13	16	46
" "		118.6	120.1	1.5	316151	<0.2	16	14	46
120									

 PROJECT: SB 96-01 HOLE NO. ST96-05

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A	B	C	D	E	FRACTURE INTENSITY	% VEIN QTZ.
100.0		BPG		64.6 - 131.1 (cont'd) (Phyllite) 84.2 - 88.5 Intensely broken, crushed zones, Slickensided planes with "dragons teeth" → pressure shadow calcite fill.							
	84		70° fol'n.								
105.0				88.5 - 94.6 Strongly broken core. Commonly < 5cm lengths. Fol'n @ ≃60° TCA							
	100			94.6 - 108.5 - Minor elongated fragments + lighter coloured banding / bedding - Pooklith = tuff? Finely dissem PY throughout - Tr. Strongly foliated @ 65° TCA							
110.0	97										
	90		70° fol'n.	108.5 - 113.4 - Light green-grey. strong - extremely broken core, minor crush zones. Foliation @ 70° TCA. - Base of unit extremely crushed (10cm)							
115.0	77			113.4 - 116.4 - Mixed fine grained phyllite with coarser grained silty / tuffaceous R. Bedding @ ≃ 70° TCA.							
120.0	93		70° Bedding	- Primary(?) textures → soft sediment deformation preserved							
	94	BPG		116.4 - 118.4 Strongly broken with crush + quartz @ 116.4, breccia + clay @ 117.1.							
125.0	97		70° Bedding + fol'n.	118.4 - 121.7 - Mod. competent weakly bedded phyllite (med-aphanitic = tuff?) Bedding @ 70° TCA							
130	94		E.O.H. 131.1	121.7 - 124.2 - Very strongly broken Similar to interval above. Crushed zones + minor quartz stringers Quartz stringer 1cm @ 15-20° TCA @ 124.1m							
				124.2 - 131.2 - Weakly bedded @ 70° Variably foliated, parallel to bedding in finer grained phyllite. Strongly broken @ 129.0 - 129.2m. Tr. dissem PY							
				E.O.H. 131.1m							

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MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS ppm Ag	ppm Cu	ppm Pb	ppm Zn
120									
Tr. Disseam. Py		120.1	121.6	1.5	316157	<0.2	15	16	46
" " "		121.6	123.1	1.5	316153	<0.2	15	16	44
As Above		123.1	124.6	1.5	316154	<0.2	9	20	32
125 " "		124.6	126.1	1.5	316155	<0.2	6	16	20
As Above		126.1	127.6	1.5	316156	<0.2	8	18	28
" "		127.6	129.1	1.5	316157	<0.2	12	18	40
" "		129.1	131.1	2.0	316158	<0.2	11	18	40
130									
135									

PAGE	OF	PROJECT:	HOLE NO.

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

EQUITY ENGINEERING LTD.

DRILL LOG

PROJECT SB 96-01	**GROUND ELEV.** 1383m
HOLE NO. ST 96-06	**BEARING** 135°
LOCATION N 6256317 E 348587	**DIP** −70°
	TOTAL LENGTH 157.0m
LOGGED BY J. Lehtinen	**HORIZONTAL PROJECT** 53.7
DATE Aug. 21/96	**VERTICAL PROJECT** 147.5m
CONTRACTOR Britton Bros.	**ALTERATION SCALE**
CORE SIZE BQTW	
DATE STARTED Aug 18/96	
DATE COMPLETED Aug 20/96	**TOTAL SULPHIDE SCALE**
DIP TESTS	
COMMENTS To test the Stratigraphy at the base of the Echo Lake Gp. + provide a fence of holes over the Stratigraphy of the Echo Lake Gp to the Mt. Brown Fm.	**LEGEND**

absent
slight
moderate
intense

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

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DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A	B	C	D	E	FRACTURE INTENSITY	% VEIN QTZ.
		CASING		0 - 1.5m Casing							
5	91			1.5 - 94.2 Echo Lake Gp Dolomite - Pale buff to beige - Moderate to strongly silicified over entire interval Competent core over entire interval. Minor brecciated zones. Silica banding appears irregularly & discontinuous. 1.5 - 10.6. Mod to strongly fractured with thin light orange-brown $FeCO_3$ in stringers - Trace Pyrite. SiO_2 15-30%							
	100	EDO									
10	97										
	100										
15	97			17.0 - 17.9 - Vuggy stringers / fractures with dolomite infill							
				22.0 - 23.6 - Mod. fractured with strong Limonite stain on fractures							
20	100			27.1 - Minor fault slip @ 25° TCA with slickensides							
	100			30.0 - 34.5 - Stylolitic fractures with light orange-brown anhydrite?							
				33.9 - 35.3 - SiO_2 ≈ 75%							
25	93		flt 25°	38.5 - 39.4 - Broken with minor slickensides & $FeCO_3$ & Calcite flt @ low angle to C.A ≈ 20-30?							
	97			43.1 - 44.3 - Discontinuous bx. Silica dark grey-bx in light buff DO.							
30				44.3 - 44.5 ± 100% SiO_2							
	100			44.7 - 44.9 " "							
				45.4 - 46.8 - Darker grey-buff with increased DO stringers erratic banding							
35	97			46.8 - 54.0 Brecciated to erratically banded - with DO stringers.							
	100	EDO	20-30° flt	Zones of intense bx of SiO_2 with buff colored dolomite matrix							
40	97										
	100										
45.0											

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MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS ppm Ag	ppm Cu	ppm Pb	ppm Zn
No ZE reaction - Minor Trace Pyrite on fracture surfaces (Pseudomorph after Py) - Limonite stain - weak on fractures 1.5 - 10.6 m		1.5	3.0	1.5	316 184	<0.2	<1	2	10
		3.0	4.5	1.5	85	<0.2	2	6	10
		4.5	6.1	1.6	86	<0.2	1	10	16
		6.1	7.6	1.5	87	<0.2	<1	10	8
		7.6	9.1	1.5	88	<0.2	<1	10	12
		9.1	10.6	1.5	89	<0.2	<1	10	8
		10.6	12.2	1.6	90	<0.2	<1	8	8
		12.2	13.7	1.5	91	<0.2	<1	2	8
		13.7	15.2	1.5	92	<0.2	<1	2	6
		15.2	16.7	1.5	316 193	<0.2	<1	2	6
		16.7	18.3	1.6	316 194	<0.2	<1	2	6
		18.3	19.8	1.5	95	<0.2	<1	4	6
		19.8	21.3	1.5	96	<0.2	<1	14	16
		21.3	22.8	1.5	316 197	<0.2	<1	8	10
		22.8	24.4	1.6	316 198	<0.2	<1	10	12
		24.9	25.9	1.5	316 199	<0.2	<1	4	14
		25.9	27.4	1.5	316 200	<0.2	<1	2	8
		27.4	28.9	1.5	316 201	0.2	<1	4	8
		28.9	30.5	1.6	202	0.2	<1	2	4
		30.5	32.0	1.5	203	0.2	<1	6	6
		32.0	33.5	1.5	204	0.2	<1	10	14
		33.5	35.0	1.5	205	0.2	<1	8	16
		35.0	36.6	1.6	206	0.2	<1	6	14
		36.6	38.1	1.5	207	0.2	<1	8	12
		38.1	39.6	1.5	208	0.2	<1	18	18
		39.6	41.1	1.5	209	0.2	<1	18	12
		41.1	42.7	1.6	210	0.2	<1	6	8
		42.7	44.2	1.5	316 211	0.2	<1	10	8

45.0

N2/E2

MADE IN VANCOUVER, CANADA

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DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A	B	C	D	E	FRACTURE INTENSITY	% VEIN QTZ
45				-54.0 - 56.0 - Breccia with < 10% SiO2 - Buff-grey dolomite							
	100			-56.0 - 56.5 75% SiO2							
		EDO		-56.5 - 62.8 - Variably brecciated with Altered fragments up to 5cm							
50				in Dolomite Matrix.							
	100			-62.8 - 63.1 Buff-grey dolomite							
	94			-63.1 - 68.8 Variably brecciated silica + variably colored buff to med grey dolomite matrix							
55											
	100			-68.8 - 70.9 Black silica fragments with buff-beige dolomite							
				- 70.9 - 71.3 - 99% Beige-grey SiO2							
	97			- 71.3 - 76.0. - Variably coloured owing to silica fragment colour.							
60				Breccia & stringering throughout - Minor black silica intervals @ 72.3 - 72.4, 76.7 - 77.0							
	100			Strongly broken from 72.5 - 76.0 m - Weak Limonite							
65				on fractures.							
	97			- 76.0 - 82.3 As above, Decreasing silica content down section with longer sections of only dolomite 76.7 - 77.0 - Black Si							
	100										
70				79.6 - 79.9. Black SiO2 + minor 1cm Q.V. @ 20° TCA.							
	100			Calcite stringer 1cm @ 80.9m							
				basal portion = 3-5% SiO2							
	94			- 82.3 - 87.6 Dominantly buff to							
75				grey dolomite erratic stringered/ fractured texture - Black							
	100			silicified clasts Heavy clay/							
			QZ 20° 1cm	Limonite rubble @ 83.2 m							
80				87.6 - 89.9. Black Silica fragments							
	100			cemented by beige DO. Very							
		EDO		erratic DO stringers							
	100			89.9 - 94.2 Decreasing silicification of Dolomite down section.							
85				Mod. broken with weak							
	97			Limonite stain on fractures							
				Fractures common @ 20°+45°							
				TCA. Minor Stylolites							
	100										
90											

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MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS ppm Ag	ppm Cu	ppm Pb	ppm Zn
45.0									
		44.2	45.7	1.5	316212	0.2	<1	4	6
		45.7	47.2	1.5	316213	0.2	<1	60	6
Tr. Py along fractures as 3mm pockes		47.2	48.8	1.6	14	0.2	<1	14	12
		48.8	50.3	1.5	15	0.2	<1	8	8
50		50.3	51.8	1.5	16	0.2	<1	8	10
Py + Limonite on fractures.		51.8	53.3	1.5	17	0.2	<1	14	10
As Above		53.3	54.9	1.6	18	0.2	<1	6	4
55		54.9	56.4	1.5	19	0.4	<1	166	8
Minor Limonite on fractures ✓ weak FZ?		56.4	57.9	1.5	20	0.2	<1	184	6
		57.9	59.4	1.5	21	0.6	1	592	6
		59.4	61.0	1.6	22	0.2	<1	24	4
60									
		61.0	62.5	1.5	23	0.2	<1	46	12
		62.5	64.0	1.5	24	0.4	<1	22	14
65 Minor Limonite on fractures		64.0	65.5	1.5	25	0.2	<1	20	6
		65.5	67.1	1.6	26	0.2	<1	58	16
Limonite + crushed cubic voids ⇒ Py		67.1	68.6	1.5	27	0.2	<1	48	14
		68.6	70.1	1.5	28	0.2	<1	62	36
70									
		70.1	71.6	1.5	29	<0.2	<1	26	14
		71.6	73.1	1.5	30	0.2	<1	32	12
Weak Limonite on fractures		73.1	74.6	1.5	31	0.2	<1	56	20
75 "		74.6	76.2	1.6	32	0.2	<1	56	24
As above + weak FE? in fractures below Silicious Zone		76.2	77.7	1.5	33	0.2	<1	38	26
As above		77.7	79.2	1.5	34	0.2	<1	52	20
80		79.2	80.7	1.5	35	0.2	<1	20	16
		80.7	82.3	1.6	36	0.4	<1	26	10
		82.3	83.8	1.5	37	2.2	2	3060	18
		83.8	85.3	1.5	38	1.6	<1	958	24
85		85.3	86.8	1.5	39	0.2	<1	54	14
		86.8	88.4	1.6	40	0.4	<1	86	12
		88.4	89.9	1.5	41	0.2	1	42	6
Trace FE in single v. fine fracture		89.9	91.4	1.5	42	0.8	<1	154	20
90									

N2/E2

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DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A	B	C	D	E	FRACTURE INTENSITY	% VEIN QTZ
90	100		20-40° Fr.	94.2 - 150.9 Razorback Fm.							
	97	EDO		Dark grey - black Thinly bedded to laminated							
95			45° flt.								
	97	RAG/ LS	45-47° Bed	limestone grading ⇒ Argillite Over entire interval bedding = 45-47° TCA. - Calcite Stringered throughout.							
	94										
100				94.2 - Top Contact is strongly broken with pyrite stringers up to 5mm. at ± 35° TCA.							
	106			94.2 - 114.2 - Thinly bedded + laminated dark grey argillaceous							
105	100			limestone. Minor Pyritic slickensides on plane @ 45° TCA @ 95.2m - Core commonly fractured along bedding, also at 15-25° TCA							
	100										
110											
	100	RAG/ LS		114.2 - 131.4 Argillite Dark grey - black with thin < 1mm light grey laminae @ 45-47° TCA. Light grey =							
	95			fine grained silty clastic							
115				Weakly magnetic, dominantly near							
	94	RAG	45-47° Bed	clastic laminae - Disseminated pyrite + thin < 0.5mm							
				pyrite lenses < 2mm length							
120	100			along bedding. Pyrite in							
				hairline fractures throughout							
	68			entire interval - Trace Pyrrhotite							
				from 127.6 - 130.0							
125											
	77			131.4 Fault gouge (5cm) with Pyrite cubes & fragments							
				131.4 - 150.9 - Arg. as per 114.2-131.4							
	84			146.4 - 150.9 = Increasing fracturing + Increased limonitic fractures +							
130				limonite laminae up to 2cm							
				thick. Strongly broken							
	87	RAG		basal contact							
135	68										

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MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS ppm Ag	ppm Cu	ppm Pb	ppm Zn
90									
Minor Limonite on fractures		91.4	92.9	1.5	316243	1.0	<1	700	16
Py Above		92.9	94.2	1.3	316244	0.8	<1	200	12
95 Contact zone, strongly fractured 0.5cm pyrite stringer overall = Tr PY		94.2	95.7	1.5	45	0.6	<6	100	10
No Sx. No Fe Stain		95.7	97.5	1.8	46	0.6	2	86	10
		97.5	99.0	1.5	47	0.6	2	84	10
		99.0	100.6	1.6	48	0.4	5	32	8
100									
		100.6	102.1	1.5	49	0.2	<4	12	6
		102.1	103.6	1.5	316250	0.2	4	10	10
		103.6	105.1	1.5	316501	<0.2	5	6	26
105		105.1	106.7	1.6	02	<0.2	6	8	32
		106.7	108.2	1.5	03	<0.2	5	<8	22
		108.2	109.7	1.5	04	<0.2	6	8	18
110		109.7	111.2	1.5	05	<0.2	8	8	22
		111.2	112.8	1.6	06	<0.2	9	16	22
		112.8	114.3	1.5	07	<0.2	20	10	22
Tr - 1% Pyrite as disseminations		114.3	115.8	1.5	08	<0.2	19	4	72
115 + minor lenses dominantly hosted in clastic laminae lenses 0.5mm x ≈ 1-3mm		115.8	117.3	1.5	09	<0.2	20	10	90
		117.3	118.9	1.6	10	<0.2	22	48	88
		118.9	120.4	1.5	316511	<0.2	25	8	92
120									
		120.4	121.9	1.5	12	<0.2	22	18	100
		121.9	123.4	1.5	13	<0.2	23	42	108
		123.4	125.0	1.6	14	<0.2	21	18	112
125									
As above + trace PO		125.0	126.5	1.5	15	<0.2	21	14	106
"		126.5	128.0	1.5	16	<0.2	22	14	94
"		128.0	129.5	1.5	17	<0.2	24	10	102
130 Tr-1% PY. as disseam + thin		129.5	131.1	1.6	18	<0.2	23	12	108
<5mm lenses 131.4 = Py.		131.1	132.6	1.5	19	<0.2	23	16	118
in flt bx/gouge		132.6	134.1	1.5	20	<0.2	25	20	108
		134.1	135.6	1.5	316521	<0.2	25	6	106
135									

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DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A	ALTERATION B	ALTERATION C	ALTERATION D	ALTERATION E	FRACTURE INTENSITY	% VEIN QTZ.
135	68	RAG		150.9 – MT. Kisson							
				154.4 Rubbly core, very poor recovery							
	23			Limestone							
				- Grey-white, minor, <1mm							
140				black bands throughout - Limonite +							
	42			$FeCO_3$? altd L.S. Minor calcite stringers							
				154.4 – Fault							
	80			157.0 Pebbly, grading to sand							
145				E.O.H. due to fault.							
		RAG									
	55										
150											
	40										
		KLS									
	10										
155											
	27										
160											

PAGE 9 OF 9	PROJECT: SB96-01	HOLE NO. ST96-06

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS ppm Ag	ppm Cu	ppm Pb	ppm Zn
135									
As Above		135.6	137.2	1.6	316522	0.2	26	8	96
		137.2	140.2	3.0	316523	0.2	25	16	112
140									
		140.2	143.2	3.0	24	<0.2	21	20	108
Pyrite 1% as discontinuous		143.2	144.7	1.5	25	<0.2	23	16	96
laminae + lenses <1mm		144.7	146.3	1.6	26	<0.2	22	12	100
thickness commonly 5mm									
145 length									
"		146.3	147.8	1.5	27	<0.2	24	10	190
Heavy limonite as laminae + on fracture		147.8	149.3	1.5	28	<0.2	20	18	416
As above		149.3	150.9	1.6	29	0.8	58	48	746
150									
Minor Limonite on fractures		150.9	155.4	4.5	30	0.8	5	172	426
Trace Zn+Ve? on Minor fracture									
Orange - brown sand + pebbles		155.4	157.0	1.6	316531	11.4	68	1905	3890
155 of white grey L.S.									
160									
165									
170									
175									

PAGE	OF	PROJECT:	HOLE NO.

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

APPENDIX D

CERTIFICATES OF ANALYSIS

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: EQUITY ENGINEERING LTD.
207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : SB 96-01
Comments: ATTN:J.LEHTINEN CC:STAN STRICKER

Page Number :1-A
Total Pages :3
Certificate Date: 10-SEP-96
Invoice No. :I9630583
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9630583

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
L8780E 6500N	201	202	< 5	0.6	2.47	32	1240	0.5	< 2	1.85	12.0	25	64	27	4.57	< 10	< 1	0.07	< 10	2.52	1150
L8780E 6525N	201	202	< 5	0.2	3.55	8	1850	< 0.5	2	1.01	6.5	21	41	15	5.37	< 10	< 1	0.06	< 10	1.91	1290
L8780E 6550N	201	202	< 5	0.2	2.05	14	1610	0.5	< 2	1.03	3.5	14	51	31	3.06	< 10	1	0.19	10	0.96	800
L8780E 6575N	201	202	< 5	0.2	2.23	6	740	< 0.5	< 2	0.89	11.5	23	77	41	3.79	< 10	< 1	0.12	10	0.64	1575
L8780E 6600N	201	202	< 5	0.8	2.50	30	650	0.5	< 2	1.09	6.0	22	78	68	4.50	< 10	3	0.11	10	1.21	1105
L8780E 6625N	201	202	< 5	0.6	2.24	14	600	0.5	< 2	0.88	3.5	20	64	32	4.01	< 10	< 1	0.10	10	0.99	1380
L8780E 6650N	201	202	< 5	0.6	2.51	14	910	0.5	< 2	0.94	2.5	18	90	77	3.66	< 10	< 1	0.08	10	1.06	735
L8780E 6675N	201	202	< 5	0.8	2.37	28	630	0.5	< 2	1.55	2.5	18	68	29	4.13	< 10	< 1	0.10	10	1.00	605
L8780E 6700N	201	202	< 5	< 0.2	1.87	12	440	< 0.5	< 2	0.45	2.5	12	56	9	3.27	< 10	< 1	0.11	10	0.57	265
L8780E 6725N	201	202	< 5	< 0.2	1.58	16	560	< 0.5	< 2	0.48	1.0	17	51	22	3.49	< 10	< 1	0.18	20	0.56	345
L8780E 6750N	201	202	< 5	0.4	1.76	2	660	< 0.5	< 2	0.49	4.0	12	71	16	3.61	< 10	< 1	0.11	10	0.80	330
L8780E 6775N	201	202	< 5	< 0.2	1.68	10	240	< 0.5	< 2	0.47	1.5	9	62	12	3.22	< 10	< 1	0.10	10	0.61	235
L8780E 6800N	201	202	< 5	0.2	1.90	12	270	< 0.5	< 2	0.48	1.0	9	50	13	3.07	< 10	< 1	0.07	10	0.55	220
L8780E 6825N	201	202	< 5	0.8	2.37	10	200	< 0.5	2	0.46	1.5	12	79	21	4.49	< 10	< 1	0.06	< 10	1.09	260
L8780E 6850N	201	202	< 5	0.4	2.22	10	320	< 0.5	< 2	0.52	2.0	15	87	27	4.41	< 10	< 1	0.07	< 10	0.98	350
L8780E 6875N	201	202	< 5	0.2	1.80	2	400	< 0.5	< 2	0.62	0.5	12	68	34	2.84	< 10	< 1	0.08	10	0.94	420
L8780E 6900N	201	202	< 5	< 0.2	1.76	12	220	< 0.5	2	0.75	0.5	17	77	37	3.30	< 10	< 1	0.11	10	1.18	480
L8780E 6925N	201	202	< 5	0.2	2.24	6	360	< 0.5	< 2	0.56	0.5	16	80	40	3.24	< 10	< 1	0.09	10	0.89	455
L8780E 6950N	201	202	< 5	0.6	3.33	12	750	0.5	< 2	0.75	0.5	23	103	95	4.48	< 10	< 1	0.15	10	1.52	870
L8780E 6975N	201	202	< 5	0.2	3.59	12	450	0.5	< 2	0.48	1.5	20	89	52	4.15	< 10	< 1	0.12	10	0.96	725
L8780E 7000N	201	202	< 5	< 0.2	2.05	12	240	< 0.5	< 2	0.66	< 0.5	12	69	22	2.75	< 10	< 1	0.07	10	0.84	590
LCLA 0000M	201	202	< 5	1.2	2.07	30	1090	< 0.5	< 2	0.15	< 0.5	14	95	101	9.10	< 10	< 1	0.09	10	0.46	510
LCLA 0100M	201	202	< 5	< 0.2	2.00	18	250	< 0.5	< 2	0.52	< 0.5	33	168	57	4.86	< 10	< 1	0.05	< 10	3.30	605
LCLA 0200M	201	202	< 5	0.6	1.30	12	870	< 0.5	< 2	0.21	< 0.5	6	84	41	3.55	< 10	< 1	0.07	10	0.41	160
LCLA 0300M	201	202	< 5	0.2	1.80	8	390	< 0.5	< 2	0.32	< 0.5	11	130	23	4.24	< 10	< 1	0.04	10	1.06	290
LCLA 0400M	201	202	< 5	0.6	2.24	14	1660	< 0.5	< 2	0.59	< 0.5	29	134	64	4.62	< 10	< 1	0.07	< 10	2.44	1165
LCLA 0500M	201	202	< 5	0.6	1.77	24	330	< 0.5	< 2	0.38	< 0.5	16	115	59	4.83	< 10	< 1	0.08	10	1.35	470
LCLA 0600M	201	202	< 5	< 0.2	1.85	8	320	< 0.5	< 2	0.55	0.5	22	123	45	4.61	< 10	< 1	0.07	< 10	2.72	380
LCLA 0700M	201	202	< 5	0.2	1.72	10	190	< 0.5	< 2	0.42	< 0.5	30	121	47	4.90	< 10	1	0.04	< 10	3.68	515
LCLA 0800M	201	202	< 5	0.2	1.52	18	350	< 0.5	< 2	0.38	< 0.5	46	159	53	5.86	< 10	1	0.07	< 10	3.83	950
LCLA 0900M	201	202	< 5	0.2	1.85	14	330	< 0.5	< 2	0.41	< 0.5	21	141	42	5.04	< 10	< 1	0.08	< 10	1.92	475
LCLA 1000M	201	202	< 5	0.2	1.64	14	160	< 0.5	< 2	0.43	< 0.5	22	126	43	4.32	< 10	< 1	0.04	< 10	2.79	430
LCLA 1100M	201	202	< 5	0.2	2.21	8	120	< 0.5	2	0.28	< 0.5	10	111	24	5.53	< 10	< 1	0.06	10	0.88	295
LCLA 1200M	201	202	< 5	< 0.2	1.03	< 2	170	< 0.5	< 2	0.16	< 0.5	2	38	3	1.04	< 10	< 1	0.07	30	0.24	85
LCLA 1300M	201	202	< 5	0.4	1.30	16	350	< 0.5	< 2	0.25	0.5	10	107	36	3.57	< 10	< 1	0.13	20	0.50	150
LCLA 1400M	201	202	< 5	< 0.2	1.87	16	250	< 0.5	< 2	0.36	< 0.5	29	174	50	5.31	< 10	< 1	0.06	10	3.20	405
LCLA 1500M	201	202	< 5	< 0.2	1.45	40	190	< 0.5	< 2	0.13	< 0.5	28	121	116	9.32	< 10	< 1	0.05	< 10	1.58	405
LCLA 1600M	201	202	< 5	0.2	1.42	16	310	< 0.5	2	0.28	0.5	50	174	60	6.03	< 10	1	0.06	< 10	5.13	980
LCLA 1700M	201	202	< 5	< 0.2	1.14	4	170	< 0.5	< 2	0.20	< 0.5	5	88	14	2.48	< 10	< 1	0.06	20	0.27	135
LCLA 1800M	201	202	< 5	0.2	1.65	8	160	< 0.5	< 2	0.40	< 0.5	13	177	23	4.51	< 10	< 1	0.08	10	0.97	345

CERTIFICATION: Stan Stricker

Chemex Labs Ltd.

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212 Brooksbank Ave., North Vancouver
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SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
L8780E 6500N	201	202	1	< 0.01	218	2700	354	16	6	61	0.07	< 10	< 10	87	< 10	800
L8780E 6525N	201	202	< 1	< 0.01	39	690	202	6	4	25	0.26	< 10	< 10	144	< 10	534
L8780E 6550N	201	202	1	0.01	88	1850	48	6	5	29	0.04	< 10	< 10	73	< 10	268
L8780E 6575N	201	202	< 1	< 0.01	64	1750	70	2	6	29	0.06	< 10	< 10	99	< 10	394
L8780E 6600N	201	202	1	< 0.01	137	1150	196	8	8	38	0.07	< 10	< 10	103	< 10	384
L8780E 6625N	201	202	1	< 0.01	100	1750	36	4	6	31	0.08	< 10	< 10	103	< 10	418
L8780E 6650N	201	202	1	< 0.01	111	770	28	2	9	37	0.10	< 10	< 10	91	< 10	288
L8780E 6675N	201	202	1	< 0.01	153	5720	18	10	6	35	0.06	< 10	< 10	92	< 10	342
L8780E 6700N	201	202	1	< 0.01	43	450	68	6	4	25	0.05	< 10	< 10	84	< 10	342
L8780E 6725N	201	202	1	< 0.01	46	540	60	4	3	27	0.03	< 10	< 10	67	< 10	216
L8780E 6750N	201	202	1	< 0.01	49	1000	26	2	4	25	0.08	< 10	< 10	105	< 10	280
L8780E 6775N	201	202	1	< 0.01	43	540	68	6	4	27	0.09	< 10	< 10	98	< 10	264
L8780E 6800N	201	202	< 1	< 0.01	36	1410	46	4	3	26	0.06	< 10	< 10	67	< 10	246
L8780E 6825N	201	202	< 1	< 0.01	60	2600	8	4	5	21	0.09	< 10	< 10	109	< 10	160
L8780E 6850N	201	202	< 1	< 0.01	54	1510	10	2	4	25	0.10	< 10	< 10	117	< 10	176
L8780E 6875N	201	202	1	< 0.01	59	490	8	< 2	6	33	0.08	< 10	< 10	74	< 10	86
L8780E 6900N	201	202	< 1	< 0.01	76	820	8	2	5	38	0.10	< 10	< 10	83	< 10	84
L8780E 6925N	201	202	< 1	0.01	60	430	8	< 2	6	35	0.09	< 10	< 10	88	< 10	132
L8780E 6950N	201	202	1	0.01	129	1330	8	< 2	10	39	0.07	< 10	< 10	101	< 10	146
L8780E 6975N	201	202	< 1	< 0.01	89	1450	8	< 2	7	31	0.08	< 10	< 10	111	< 10	300
L8780E 7000N	201	202	1	< 0.01	44	490	2	2	5	37	0.11	< 10	< 10	81	< 10	136
LCLA 0000M	201	202	6	< 0.01	66	1790	26	< 2	4	33	0.05	< 10	< 10	92	< 10	208
LCLA 0100M	201	202	< 1	0.01	235	560	2	< 2	7	29	0.10	< 10	< 10	106	< 10	70
LCLA 0200M	201	202	1	< 0.01	38	450	12	< 2	4	26	0.08	< 10	< 10	133	< 10	70
LCLA 0300M	201	202	< 1	0.01	59	400	4	< 2	5	26	0.11	< 10	< 10	116	< 10	50
LCLA 0400M	201	202	2	0.01	170	810	8	< 2	8	37	0.09	< 10	< 10	103	< 10	82
LCLA 0500M	201	202	3	0.01	105	960	12	2	5	40	0.07	< 10	< 10	116	< 10	128
LCLA 0600M	201	202	< 1	0.01	190	290	2	< 2	6	29	0.12	< 10	< 10	111	< 10	56
LCLA 0700M	201	202	< 1	0.01	277	680	4	< 2	5	24	0.07	< 10	< 10	99	< 10	84
LCLA 0800M	201	202	< 1	0.01	268	690	6	2	6	22	0.06	< 10	< 10	99	< 10	88
LCLA 0900M	201	202	1	0.01	152	1040	4	2	4	29	0.06	< 10	< 10	110	< 10	78
LCLA 1000M	201	202	< 1	0.01	191	470	4	2	5	27	0.09	< 10	< 10	94	< 10	66
LCLA 1100M	201	202	1	0.01	45	1830	14	< 2	5	26	0.09	< 10	< 10	130	< 10	92
LCLA 1200M	201	202	< 1	< 0.01	9	190	10	< 2	1	18	0.02	< 10	< 10	37	< 10	42
LCLA 1300M	201	202	7	0.01	57	540	16	2	3	72	0.04	< 10	< 10	98	< 10	194
LCLA 1400M	201	202	2	0.01	258	960	8	2	4	28	0.04	< 10	< 10	87	< 10	150
LCLA 1500M	201	202	18	< 0.01	153	1510	14	6	4	11	0.04	< 10	< 10	102	< 10	128
LCLA 1600M	201	202	2	0.01	475	730	8	2	5	23	0.05	< 10	< 10	78	< 10	108
LCLA 1700M	201	202	5	< 0.01	25	400	10	< 2	2	22	0.04	< 10	< 10	107	< 10	54
LCLA 1800M	201	202	2	0.03	71	720	6	2	5	35	0.08	< 10	< 10	123	< 10	90

CERTIFICATION: 

Chemex Labs Ltd.

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SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
LCLA 1900M	201	202	< 5	0.2	1.33	14	220	< 0.5	< 2	0.22	< 0.5	14	123	27	4.73	< 10	< 1	0.05	10	1.49	365
LCLA 2000M	201	202	< 5	0.2	1.74	10	220	< 0.5	< 2	0.34	< 0.5	18	128	33	5.85	< 10	< 1	0.06	10	1.53	525
LCLB 0000M	201	202	< 5	< 0.2	1.40	16	110	< 0.5	2	0.37	< 0.5	6	102	11	3.00	< 10	< 1	0.11	10	0.34	150
LCLB 0100M	201	202	< 5	< 0.2	1.46	32	140	< 0.5	< 2	0.21	< 0.5	3	51	11	2.30	< 10	< 1	0.13	30	0.19	130
LCLB 0200M	201	202	< 5	< 0.2	1.49	28	110	< 0.5	< 2	0.38	0.5	9	100	21	3.63	< 10	< 1	0.14	10	0.74	300
LCLB 0300M	201	202	< 5	< 0.2	1.82	16	160	< 0.5	< 2	0.50	< 0.5	14	88	28	3.35	< 10	< 1	0.14	10	1.37	335
LCLB 0400M	201	202	< 5	< 0.2	1.75	20	110	< 0.5	< 2	0.43	< 0.5	12	101	26	3.59	< 10	< 1	0.14	10	1.50	315
LCLB 0500M	201	202	< 5	0.2	1.64	8	240	< 0.5	< 2	0.43	0.5	7	104	14	3.84	< 10	< 1	0.12	10	0.57	195
LCLB 0600M	201	202	< 5	0.4	1.80	18	400	< 0.5	< 2	0.45	2.5	12	99	27	4.51	< 10	< 1	0.14	10	0.94	285
LCLB 0700M	201	202	< 5	0.8	1.32	14	170	< 0.5	< 2	0.20	1.0	5	52	17	2.58	< 10	< 1	0.10	10	0.41	110
LCLB 0800M	201	202	< 5	0.4	1.28	18	810	< 0.5	2	0.16	0.5	3	51	16	3.20	< 10	< 1	0.16	10	0.15	65
LCLB 0900M	201	202	< 5	0.4	1.55	78	1030	< 0.5	< 2	0.61	8.5	25	48	60	9.41	< 10	< 1	0.15	10	0.30	1495
LCLB 1000M	201	202	< 5	< 0.2	1.24	2	190	< 0.5	< 2	0.16	< 0.5	2	32	11	1.55	< 10	< 1	0.09	30	0.10	75
LCLB 1100M	201	202	< 5	0.2	1.63	8	200	< 0.5	< 2	0.30	0.5	5	65	12	2.82	< 10	< 1	0.08	10	0.57	165
LCLB 1200M	201	202	< 5	0.6	2.10	20	290	< 0.5	< 2	0.40	1.5	14	78	43	4.61	< 10	< 1	0.10	< 10	1.48	335
LCLB 1300M	201	202	< 5	0.2	2.83	26	260	< 0.5	2	0.54	0.5	15	54	46	4.18	< 10	< 1	0.08	< 10	1.05	925
LCLB 1400M	201	202	< 5	< 0.2	1.87	8	520	< 0.5	< 2	0.46	1.5	10	93	15	2.58	< 10	< 1	0.09	10	0.68	250
LCLB 1500M	201	202	< 5	< 0.2	1.31	4	280	< 0.5	< 2	0.46	0.5	6	79	19	2.01	< 10	< 1	0.07	10	0.67	140
LCLB 1600M	201	202	< 5	< 0.2	1.52	8	190	< 0.5	< 2	0.54	1.0	13	107	16	3.06	< 10	< 1	0.08	10	1.19	210
LCLB 1700M	201	202	< 5	0.4	2.22	16	150	< 0.5	< 2	0.57	1.5	23	145	29	5.26	< 10	1	0.06	< 10	2.75	390
LCLB 1800M	201	202	< 5	< 0.2	1.36	14	150	< 0.5	< 2	0.24	0.5	5	40	23	2.32	< 10	< 1	0.11	30	0.37	115
LCLB 1900M	201	202	< 5	0.2	1.94	6	130	< 0.5	< 2	0.18	0.5	5	49	26	3.56	< 10	< 1	0.09	30	0.46	125
LCLB 2000M	201	202	< 5	0.4	2.29	24	380	< 0.5	< 2	0.32	0.5	15	60	83	3.48	< 10	< 1	0.07	10	0.94	265
LCLB 2100M	201	202	< 5	< 0.2	0.94	< 2	120	< 0.5	< 2	0.12	< 0.5	< 1	33	1	0.27	< 10	< 1	0.03	30	0.10	25
LCLB 2200M	201	202	< 5	0.2	1.97	26	1000	< 0.5	< 2	0.37	1.5	28	93	56	4.72	< 10	< 1	0.09	10	1.55	1035
LCLB 2300M	201	202	< 5	0.4	1.42	14	880	< 0.5	< 2	0.39	1.5	12	152	18	3.76	< 10	< 1	0.07	10	0.85	330
LCLB 2400M	201	202	< 5	< 0.2	0.85	18	1720	< 0.5	< 2	0.12	2.0	5	40	20	2.79	< 10	< 1	0.07	10	0.13	105
LCLB 2500M	201	202	< 5	< 0.2	0.95	6	3520	< 0.5	< 2	0.19	2.0	10	49	15	2.97	< 10	< 1	0.10	10	0.29	230
LCLB 2600M	201	202	< 5	2.2	2.74	18	1550	0.5	< 2	1.17	3.0	25	70	46	4.48	< 10	< 1	0.10	10	0.64	2410
LCLB 2700M	201	202	< 5	< 0.2	1.12	10	410	< 0.5	< 2	0.14	< 0.5	7	31	15	2.83	< 10	< 1	0.11	40	0.25	135
LCLB 2800M	201	202	< 5	< 0.2	1.13	10	120	< 0.5	< 2	0.21	< 0.5	4	56	12	2.03	< 10	< 1	0.06	30	0.19	170
LCLB 2900M	201	202	< 5	< 0.2	1.07	22	420	< 0.5	< 2	0.10	< 0.5	8	29	17	3.22	< 10	< 1	0.06	40	0.15	310
LCLB 3000M	201	202	< 5	< 0.2	1.53	20	200	< 0.5	< 2	0.13	< 0.5	11	65	19	4.83	< 10	< 1	0.06	30	0.52	250
LCLB 3100M	201	202	< 5	< 0.2	1.38	14	190	0.5	< 2	1.40	< 0.5	13	36	24	4.17	< 10	1	0.06	30	0.55	435
LCLC 0000M	201	202	130	0.2	2.32	8	190	< 0.5	< 2	0.31	< 0.5	8	63	12	3.18	< 10	< 1	0.12	10	0.48	270
LCLC 0100M	201	202	< 5	< 0.2	1.56	8	400	< 0.5	< 2	0.35	0.5	10	47	12	3.23	< 10	1	0.17	10	0.35	495
LCLC 0200M	201	202	< 5	< 0.2	1.25	4	200	< 0.5	< 2	0.19	< 0.5	6	32	10	2.57	< 10	< 1	0.14	20	0.45	200
LCLC 0300M	201	202	< 5	0.2	1.46	< 2	190	< 0.5	< 2	0.48	2.0	4	52	9	2.00	< 10	< 1	0.12	10	0.34	140
LCLC 0400M	201	202	< 5	2.8	1.44	24	2040	< 0.5	< 2	0.27	1.5	5	52	35	2.52	< 10	< 1	0.15	10	0.41	130
LCLC 0500M	201	202	< 5	0.6	1.70	< 2	320	< 0.5	< 2	0.26	< 0.5	4	59	11	2.09	< 10	< 1	0.09	20	0.32	120

CERTIFICATION: Stewart Bichler

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: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : SB 96-01
Comments: ATTN:J.LEHTINEN CC:STAN STRICKER

Page Number :2-B
Total Pages :3
Certificate Date: 10-SEP-96
Invoice No. :I9630583
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9630583

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
LCLA 1900M	201	202	5	< 0.01	101	890	10	2	3	20	0.05	< 10	< 10	105	< 10	88
LCLA 2000M	201	202	4	0.01	119	1730	36	< 2	4	23	0.05	< 10	< 10	109	< 10	120
LCLB 0000M	201	202	< 1	< 0.01	20	570	18	< 2	3	25	0.08	< 10	< 10	94	< 10	48
LCLB 0100M	201	202	< 1	< 0.01	14	360	16	< 2	2	19	0.03	< 10	< 10	56	< 10	54
LCLB 0200M	201	202	< 1	0.01	52	1010	20	< 2	4	24	0.06	< 10	< 10	76	< 10	62
LCLB 0300M	201	202	3	0.01	87	930	16	< 2	4	29	0.07	< 10	< 10	71	< 10	74
LCLB 0400M	201	202	< 1	0.01	89	880	16	< 2	4	25	0.07	< 10	< 10	65	< 10	60
LCLB 0500M	201	202	< 1	< 0.01	28	980	16	< 2	4	31	0.10	< 10	< 10	97	< 10	64
LCLB 0600M	201	202	2	0.01	58	1920	16	2	4	28	0.06	< 10	< 10	97	< 10	130
LCLB 0700M	201	202	1	< 0.01	28	910	20	< 2	1	20	0.03	< 10	< 10	53	< 10	82
LCLB 0800M	201	202	6	0.01	13	1450	36	< 2	1	64	0.03	< 10	< 10	82	< 10	62
LCLB 0900M	201	202	15	< 0.01	163	3270	36	8	2	37	0.02	< 10	< 10	71	< 10	760
LCLB 1000M	201	202	3	< 0.01	10	360	12	< 2	1	21	0.01	< 10	< 10	33	< 10	68
LCLB 1100M	201	202	1	< 0.01	25	1400	12	< 2	3	23	0.05	< 10	< 10	78	< 10	86
LCLB 1200M	201	202	3	< 0.01	99	2750	12	< 2	4	26	0.04	< 10	< 10	90	< 10	246
LCLB 1300M	201	202	1	< 0.01	39	1190	6	< 2	7	25	0.14	< 10	< 10	122	< 10	120
LCLB 1400M	201	202	1	0.01	32	450	6	2	5	37	0.07	< 10	< 10	78	< 10	240
LCLB 1500M	201	202	1	0.01	40	1210	8	< 2	2	32	0.05	< 10	< 10	56	< 10	68
LCLB 1600M	201	202	< 1	0.01	63	790	6	< 2	4	32	0.09	< 10	< 10	81	< 10	102
LCLB 1700M	201	202	< 1	0.01	184	1560	6	2	6	27	0.11	< 10	< 10	116	< 10	178
LCLB 1800M	201	202	2	< 0.01	27	900	10	< 2	2	21	0.02	< 10	< 10	51	< 10	96
LCLB 1900M	201	202	4	< 0.01	30	1160	16	< 2	3	17	0.02	< 10	< 10	72	< 10	104
LCLB 2000M	201	202	16	< 0.01	74	630	14	< 2	5	38	0.08	< 10	< 10	134	< 10	76
LCLB 2100M	201	202	< 1	< 0.01	2	130	6	< 2	1	17	0.01	< 10	< 10	58	< 10	16
LCLB 2200M	201	202	4	< 0.01	135	1030	20	2	5	30	0.07	< 10	< 10	113	< 10	150
LCLB 2300M	201	202	5	0.01	52	1310	16	2	4	33	0.06	< 10	< 10	119	< 10	166
LCLB 2400M	201	202	6	< 0.01	26	790	24	2	< 1	31	0.01	< 10	< 10	87	< 10	184
LCLB 2500M	201	202	4	< 0.01	26	640	28	2	1	40	0.02	< 10	< 10	71	< 10	160
LCLB 2600M	201	202	1	< 0.01	60	1900	26	6	7	63	0.01	< 10	10	58	< 10	248
LCLB 2700M	201	202	1	< 0.01	21	720	12	< 2	1	21	0.01	< 10	< 10	41	< 10	72
LCLB 2800M	201	202	2	< 0.01	14	520	8	< 2	2	24	0.04	< 10	< 10	71	< 10	54
LCLB 2900M	201	202	1	< 0.01	20	1040	12	< 2	1	15	< 0.01	< 10	< 10	45	< 10	74
LCLB 3000M	201	202	3	< 0.01	39	880	14	2	3	21	0.02	< 10	< 10	63	< 10	82
LCLB 3100M	201	202	< 1	< 0.01	50	790	20	2	6	32	< 0.01	< 10	< 10	34	< 10	92
LCLC 0000M	201	202	< 1	< 0.01	19	980	16	2	4	21	0.04	< 10	< 10	51	< 10	102
LCLC 0100M	201	202	< 1	< 0.01	20	810	22	2	3	23	0.04	< 10	< 10	44	< 10	208
LCLC 0200M	201	202	3	< 0.01	33	550	20	< 2	1	20	0.03	< 10	< 10	35	< 10	86
LCLC 0300M	201	202	< 1	< 0.01	12	480	10	2	3	32	0.08	< 10	< 10	57	< 10	62
LCLC 0400M	201	202	4	< 0.01	36	700	22	< 2	2	54	0.01	< 10	< 10	65	< 10	130
LCLC 0500M	201	202	1	< 0.01	16	510	12	< 2	3	35	0.06	< 10	< 10	69	< 10	64

CERTIFICATION:

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: EQUITY ENGINEERING LTD.
207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : SB 96-01
Comments: ATTN:J.LEHTINEN CC:STAN STRICKER

Certificate Date: 10-SEP-96
Invoice No. :I9630583
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9630583

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
LCLC 0600M	201	202	< 5	0.6	1.63	8	190	< 0.5	< 2	0.27	0.5	6	59	20	2.84	< 10	< 1	0.08	10	0.44	120
LCLC 0700M	201	202	< 5	0.8	1.55	12	330	< 0.5	< 2	0.20	0.5	6	52	26	3.35	< 10	< 1	0.08	10	0.33	120
LCLC 0800M	201	202	< 5	0.4	1.46	8	230	< 0.5	< 2	0.23	< 0.5	5	42	16	2.58	< 10	< 1	0.09	20	0.36	115
LCLC 0900M	201	202	< 5	2.0	1.47	10	220	< 0.5	< 2	0.19	1.0	5	39	20	2.43	< 10	< 1	0.10	20	0.35	115
LCLC 1000M	201	202	< 5	< 0.2	2.08	18	200	< 0.5	< 2	0.40	1.5	6	50	14	3.07	< 10	< 1	0.09	10	0.50	150
LCLC 1100M	201	202	< 5	0.2	1.72	6	190	< 0.5	< 2	0.25	< 0.5	6	39	15	2.58	< 10	< 1	0.12	30	0.35	135
LCLC 1200M	201	202	< 5	0.4	1.75	10	190	< 0.5	< 2	0.24	0.5	5	44	14	2.82	< 10	< 1	0.11	30	0.38	130
LCLC 1300M	201	202	< 5	< 0.2	1.51	12	240	< 0.5	< 2	0.35	< 0.5	7	50	20	2.63	< 10	< 1	0.13	20	0.70	200
LCLC 1400M	201	202	< 5	0.2	1.45	10	560	< 0.5	< 2	0.35	0.5	8	56	26	2.74	< 10	< 1	0.14	10	0.68	205
LCLC 1500M	201	202	< 5	< 0.2	1.54	14	270	< 0.5	< 2	0.28	< 0.5	9	53	19	2.95	< 10	< 1	0.11	20	0.53	150
LCLC 1600M	201	202	< 5	0.2	1.97	14	190	< 0.5	< 2	0.24	0.5	8	64	27	3.78	< 10	< 1	0.08	10	0.49	160
LCLC 1700M	201	202	< 5	0.4	1.41	10	170	< 0.5	< 2	0.25	0.5	6	51	16	2.96	< 10	< 1	0.08	20	0.40	125
LCLC 1800M	201	202	< 5	0.4	2.32	14	190	< 0.5	2	0.39	1.5	13	87	21	4.27	< 10	< 1	0.08	10	0.89	245
LCLC 1900M	201	202	< 5	< 0.2	1.25	6	190	< 0.5	< 2	0.37	1.0	7	51	18	2.42	< 10	< 1	0.09	10	0.37	155
LCLC 2000M	201	202	< 5	< 0.2	1.20	8	190	< 0.5	< 2	0.51	2.0	8	62	13	2.72	< 10	< 1	0.12	10	0.70	195
LCLC 2100M	201	202	< 5	0.2	1.83	8	160	< 0.5	< 2	0.41	0.5	12	101	32	4.22	< 10	< 1	0.07	< 10	0.89	270
LCLC 2200M	201	202	< 5	< 0.2	1.20	2	220	< 0.5	< 2	0.27	1.5	9	66	37	2.79	< 10	< 1	0.09	10	0.69	175
LCLC 2300M	201	202	< 5	0.2	2.19	18	90	< 0.5	2	0.50	0.5	11	90	18	4.38	< 10	< 1	0.09	< 10	0.90	285
LCLC 2400M	201	202	< 5	< 0.2	1.08	6	160	< 0.5	< 2	0.30	< 0.5	3	43	9	1.81	< 10	< 1	0.08	10	0.21	100
LCLC 2500M	201	202	< 5	0.2	2.47	10	320	< 0.5	2	0.58	1.0	13	93	22	4.10	< 10	< 1	0.04	< 10	1.11	315
LCLC 2600M	201	202	< 5	< 0.2	1.47	8	560	< 0.5	< 2	0.33	0.5	5	54	14	2.53	< 10	< 1	0.05	10	0.43	120
LCLC 2700M	201	202	< 5	0.8	2.16	26	420	< 0.5	< 2	0.16	0.5	7	69	27	3.73	< 10	< 1	0.05	10	0.44	130
LCLC 2800M	201	202	< 5	1.2	2.38	14	260	< 0.5	< 2	0.18	0.5	8	71	23	4.66	< 10	< 1	0.08	20	0.47	170
LCLC 2900M	201	202	< 5	0.4	1.06	16	770	< 0.5	< 2	0.60	2.5	6	145	16	2.62	< 10	< 1	0.10	20	0.45	100
LCLC 3000M	201	202	< 5	0.4	0.71	12	370	< 0.5	< 2	12.30	1.0	6	21	21	1.37	< 10	< 1	0.04	< 10	7.21	460
LCLC 3100M	201	202	< 5	1.0	2.06	22	3340	< 0.5	< 2	0.54	2.0	11	57	29	4.38	< 10	< 1	0.08	10	0.61	170
LCLC 3200M	201	202	< 5	< 0.2	1.40	12	4520	< 0.5	< 2	0.38	1.0	7	37	4	2.98	< 10	< 1	0.02	< 10	0.34	160
LCLC 3300M	201	202	< 5	0.6	1.45	60	5190	< 0.5	< 2	0.06	2.5	6	32	31	4.07	< 10	< 1	0.05	30	0.16	55
LCLC 3400M	201	202	< 5	0.2	0.78	16	3320	< 0.5	< 2	0.12	1.0	3	27	10	1.85	< 10	< 1	0.06	10	0.15	85
LCLC 3500M	201	202	< 5	0.2	0.81	18	1360	< 0.5	2	0.10	1.0	4	35	23	2.21	< 10	< 1	0.07	20	0.09	70

CERTIFICATION:

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
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To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : SB 96-01
Comments: ATTN:J.LEHTINEN CC:STAN STRICKER

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Certificate Date: 10-SEP-96
Invoice No. :19630583
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9630583

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
LCLC 0600N	201	202	1	< 0.01	25	2040	10	2	3	25	0.03	< 10	< 10	57	< 10	88
LCLC 0700N	201	202	3	< 0.01	24	1130	10	< 2	3	25	0.03	< 10	< 10	72	< 10	108
LCLC 0800N	201	202	1	< 0.01	17	1550	14	< 2	3	26	0.04	< 10	< 10	54	< 10	82
LCLC 0900N	201	202	3	< 0.01	25	1240	12	2	3	23	0.02	< 10	< 10	43	< 10	126
LCLC 1000N	201	202	1	< 0.01	22	2320	12	< 2	4	25	0.05	< 10	< 10	63	< 10	104
LCLC 1100N	201	202	1	< 0.01	22	1480	12	2	3	22	0.03	< 10	< 10	45	< 10	118
LCLC 1200N	201	202	1	< 0.01	20	1610	14	< 2	3	22	0.03	< 10	< 10	50	< 10	100
LCLC 1300N	201	202	1	< 0.01	37	840	14	< 2	3	30	0.04	< 10	< 10	48	< 10	84
LCLC 1400N	201	202	1	< 0.01	51	970	14	2	3	33	0.03	< 10	< 10	45	< 10	136
LCLC 1500N	201	202	1	< 0.01	36	1280	16	2	3	27	0.04	< 10	< 10	50	< 10	96
LCLC 1600N	201	202	2	< 0.01	45	2010	16	< 2	4	23	0.04	< 10	< 10	70	< 10	172
LCLC 1700N	201	202	1	< 0.01	25	1000	14	2	3	26	0.04	< 10	< 10	58	< 10	94
LCLC 1800N	201	202	1	< 0.01	45	1550	8	2	5	30	0.09	< 10	< 10	91	< 10	196
LCLC 1900N	201	202	2	< 0.01	22	520	10	2	3	26	0.06	< 10	< 10	66	< 10	80
LCLC 2000N	201	202	1	< 0.01	35	1140	16	< 2	3	28	0.07	< 10	< 10	57	< 10	86
LCLC 2100N	201	202	1	< 0.01	58	1010	8	2	5	27	0.08	< 10	< 10	99	< 10	138
LCLC 2200N	201	202	3	< 0.01	47	630	10	2	3	29	0.05	< 10	< 10	60	< 10	132
LCLC 2300N	201	202	1	< 0.01	38	590	8	2	5	41	0.14	< 10	< 10	150	< 10	112
LCLC 2400N	201	202	1	< 0.01	13	380	12	< 2	2	36	0.05	< 10	< 10	63	< 10	56
LCLC 2500N	201	202	< 1	0.01	59	440	6	< 2	6	38	0.15	< 10	< 10	135	< 10	120
LCLC 2600N	201	202	5	< 0.01	33	400	12	2	3	48	0.05	< 10	< 10	110	< 10	120
LCLC 2700N	201	202	25	< 0.01	45	1080	14	6	3	46	0.04	< 10	< 10	105	< 10	250
LCLC 2800N	201	202	9	< 0.01	31	1240	18	2	3	36	0.04	< 10	< 10	104	< 10	138
LCLC 2900N	201	202	8	< 0.01	39	1570	20	2	1	59	< 0.01	< 10	10	62	< 10	414
LCLC 3000N	201	202	2	< 0.01	40	760	16	2	2	118	0.01	< 10	< 10	41	< 10	232
LCLC 3100N	201	202	18	< 0.01	80	650	60	2	3	41	0.03	< 10	< 10	144	< 10	566
LCLC 3200N	201	202	4	< 0.01	38	200	64	4	2	30	0.02	< 10	< 10	111	< 10	212
LCLC 3300N	201	202	22	< 0.01	74	1010	228	8	2	99	0.01	< 10	< 10	206	< 10	634
LCLC 3400N	201	202	39	< 0.01	18	580	34	6	1	45	0.02	< 10	< 10	121	< 10	132
LCLC 3500N	201	202	18	< 0.01	29	790	26	4	< 1	30	< 0.01	< 10	< 10	113	< 10	170

CERTIFICATION: Hart Bichler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
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To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : SB 96-01
Comments: ATTN: JIM LEHTINEN CC: STAN STRICKER

Page Number :1
Total Pages :1
Certificate Date: 25-SEP-96
Invoice No. :I9632338
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9632338

SAMPLE	PREP CODE	Au FA g/t	Ag FA g/t	Pb %	Zn %
316163	244 --	< 0.07	14	0.58	2.06
316170	244 --	< 0.07	< 3	0.12	3.45

CERTIFICATION: Saad Zeina

Chemex Labs Ltd.

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

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : SB 96-01
Comments: ATTN: JIM LEHTINEN CC: STAN STRICKER

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Invoice No. : I9632339
P.O. Number :
Account : EIA

CERTIFICATE OF ANALYSIS A9632339

SAMPLE	PREP CODE	Au FA g/t	Ag FA g/t	Pb %	Zn %
316303	244 --	< 0.07	51	8.32	< 0.01
316304	244 --	< 0.07	27	4.40	< 0.01
316337	244 --	< 0.07	3	0.12	1.72

CERTIFICATION: Said Leinad

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: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : SB 96-01
Comments: ATTN: JIM LEHTINEN CC: STAN STRICKER

Certificate Date: 09-SEP-96
Invoice No. :19630358
P.O. Number :
Account :EIA

CORRECTED COPY

CERTIFICATE OF ANALYSIS A9630358

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
316001	205	226	-----	< 0.2	< 0.01	< 2	< 10	< 0.5	< 2	>15.00	0.5	< 1	2	< 1	0.06	< 10	2	< 0.01	< 10	0.92	55
316002	205	226	-----	< 0.2	< 0.01	< 2	< 10	< 0.5	< 2	>15.00	0.5	< 1	1	< 1	0.05	< 10	3	< 0.01	< 10	0.18	40
316003	205	226	-----	< 0.2	< 0.01	< 2	< 10	< 0.5	< 2	>15.00	< 0.5	< 1	1	< 1	0.07	< 10	3	< 0.01	< 10	1.75	90
316004	205	226	-----	< 0.2	0.01	8	50	< 0.5	< 2	>15.00	0.5	< 1	1	< 1	0.81	< 10	1	< 0.01	< 10	9.14	545
316005	205	226	-----	< 0.2	< 0.01	< 2	10	< 0.5	< 2	>15.00	< 0.5	< 1	1	< 1	0.09	< 10	2	< 0.01	< 10	1.24	90
316006	205	226	-----	< 0.2	< 0.01	< 2	10	< 0.5	< 2	>15.00	0.5	< 1	3	< 1	0.13	< 10	1	< 0.01	< 10	2.05	235
316007	205	226	-----	< 0.2	0.01	6	30	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	0.73	< 10	2	< 0.01	< 10	9.35	520
316008	205	226	-----	< 0.2	< 0.01	2	20	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	0.96	< 10	1	< 0.01	< 10	8.33	625
316009	205	226	-----	< 0.2	0.01	8	30	< 0.5	< 2	>15.00	0.5	< 1	1	< 1	0.89	< 10	1	< 0.01	< 10	9.01	595
316010	205	226	-----	< 0.2	0.01	2	10	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	0.50	< 10	1	< 0.01	< 10	9.27	425
316011	205	226	-----	< 0.2	< 0.01	< 2	10	< 0.5	< 2	>15.00	2.5	< 1	< 1	< 1	0.05	< 10	1	< 0.01	< 10	0.42	85
316012	205	226	-----	< 0.2	0.01	6	30	< 0.5	< 2	>15.00	0.5	< 1	< 1	< 1	0.22	< 10	1	< 0.01	< 10	9.44	265
316013	205	226	-----	< 0.2	< 0.01	< 2	10	< 0.5	< 2	>15.00	1.5	< 1	< 1	< 1	0.05	< 10	1	< 0.01	< 10	0.39	70
316014	205	226	-----	< 0.2	< 0.01	2	10	< 0.5	< 2	>15.00	2.0	< 1	< 1	< 1	0.24	< 10	1	< 0.01	< 10	7.55	270
316015	205	226	-----	< 0.2	< 0.01	< 2	10	< 0.5	< 2	>15.00	1.0	< 1	1	< 1	0.06	< 10	2	< 0.01	< 10	1.38	120
316016	205	226	-----	< 0.2	< 0.01	< 2	10	< 0.5	< 2	>15.00	2.5	< 1	< 1	< 1	0.06	< 10	1	< 0.01	< 10	0.59	95
316017	205	226	-----	< 0.2	< 0.01	4	20	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	0.36	< 10	< 1	< 0.01	< 10	8.38	305
316018	205	226	-----	< 0.2	0.01	4	10	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	0.62	< 10	1	< 0.01	< 10	9.09	445
316019	205	226	-----	< 0.2	0.01	2	20	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	1	0.79	< 10	< 1	< 0.01	< 10	9.15	385
316020	205	226	-----	< 0.2	< 0.01	8	< 10	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	0.43	< 10	1	< 0.01	< 10	9.40	320
316021	205	226	-----	< 0.2	< 0.01	< 2	< 10	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	0.11	< 10	1	< 0.01	< 10	0.76	75
316022	205	226	-----	< 0.2	< 0.01	< 2	< 10	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	0.04	< 10	2	< 0.01	< 10	0.45	60
316023	205	226	-----	< 0.2	< 0.01	< 2	< 10	< 0.5	< 2	>15.00	< 0.5	< 1	2	< 1	0.17	< 10	< 1	< 0.01	< 10	2.63	150
316024	205	226	-----	< 0.2	0.01	6	< 10	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	0.63	< 10	< 1	< 0.01	< 10	9.65	400
316025	205	226	-----	< 0.2	< 0.01	6	< 10	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	0.37	< 10	2	< 0.01	< 10	9.66	275
316026	205	226	-----	< 0.2	< 0.01	8	< 10	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	0.46	< 10	< 1	< 0.01	< 10	9.87	320
316027	205	226	-----	< 0.2	< 0.01	< 2	< 10	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	0.30	< 10	1	< 0.01	< 10	9.61	235
316028	205	226	-----	< 0.2	< 0.01	6	< 10	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	0.22	< 10	1	< 0.01	< 10	9.96	210
316029	205	226	-----	< 0.2	< 0.01	4	< 10	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	0.21	< 10	< 1	< 0.01	< 10	9.85	230
316030	205	226	-----	< 0.2	< 0.01	6	< 10	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	0.38	< 10	< 1	< 0.01	< 10	9.54	280
316031	205	226	-----	0.2	< 0.01	10	< 10	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	1	0.82	< 10	1	< 0.01	< 10	9.68	240
316032	205	226	-----	0.4	0.01	8	< 10	< 0.5	< 2	>15.00	1.0	< 1	< 1	1	1.28	< 10	2	< 0.01	< 10	8.48	445
316033	205	226	-----	< 0.2	< 0.01	< 2	< 10	< 0.5	< 2	>15.00	1.5	< 1	1	< 1	0.20	< 10	1	< 0.01	< 10	1.29	120
316034	205	226	-----	< 0.2	< 0.01	2	< 10	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	0.35	< 10	< 1	< 0.01	< 10	9.47	240
316035	205	226	-----	< 0.2	< 0.01	4	< 10	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	0.19	< 10	1	< 0.01	< 10	9.53	195
316036	205	226	-----	< 0.2	0.01	2	30	< 0.5	< 2	>15.00	0.5	< 1	< 1	3	0.57	< 10	1	< 0.01	< 10	9.77	450
316037	205	226	-----	< 0.2	0.01	8	30	< 0.5	< 2	>15.00	4.5	< 1	< 1	1	0.29	< 10	3	< 0.01	< 10	9.44	300
316038	205	226	-----	< 0.2	< 0.01	< 2	10	< 0.5	< 2	>15.00	0.5	< 1	< 1	< 1	0.04	< 10	< 1	< 0.01	< 10	0.49	95
316039	205	226	-----	< 0.2	< 0.01	< 2	< 10	< 0.5	< 2	>15.00	0.5	< 1	< 1	< 1	0.03	< 10	1	< 0.01	< 10	0.48	60
316040	205	226	-----	< 0.2	< 0.01	< 2	< 10	< 0.5	< 2	>15.00	0.5	< 1	1	< 1	0.04	< 10	1	< 0.01	< 10	1.48	75

CERTIFICATION: Ian Bichler

FOR ICP ON SAMPLES 316161 THROUGH 316180

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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CERTIFICATE OF ANALYSIS A9630358

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
316001	205	226	< 1	< 0.01	< 1	30	2	6	< 1	143	< 0.01	< 10	< 10	2	< 10	22
316002	205	226	< 1	< 0.01	< 1	10	6	6	< 1	138	< 0.01	< 10	10	1	< 10	32
316003	205	226	< 1	< 0.01	< 1	10	12	6	< 1	126	< 0.01	< 10	10	3	< 10	46
316004	205	226	< 1	< 0.01	< 1	50	4	4	< 1	43	< 0.01	< 10	< 10	5	< 10	358
316005	205	226	< 1	< 0.01	< 1	10	16	6	< 1	130	< 0.01	< 10	< 10	3	< 10	68
316006	205	226	< 1	< 0.01	< 1	40	6	4	< 1	86	< 0.01	< 10	< 10	4	< 10	52
316007	205	226	< 1	< 0.01	< 1	60	2	2	< 1	37	< 0.01	10	< 10	5	< 10	110
316008	205	226	< 1	< 0.01	< 1	30	6	2	< 1	39	< 0.01	10	< 10	5	< 10	146
316009	205	226	< 1	< 0.01	< 1	160	8	2	< 1	31	< 0.01	< 10	< 10	6	< 10	282
316010	205	226	1	< 0.01	< 1	30	4	2	< 1	31	< 0.01	< 10	< 10	5	< 10	174
316011	205	226	< 1	< 0.01	< 1	10	28	8	< 1	109	< 0.01	< 10	< 10	1	< 10	82
316012	205	226	< 1	< 0.01	1	140	22	6	< 1	39	< 0.01	10	< 10	5	< 10	196
316013	205	226	< 1	< 0.01	< 1	20	26	8	< 1	125	< 0.01	< 10	< 10	1	< 10	70
316014	205	226	< 1	< 0.01	< 1	10	24	4	< 1	55	< 0.01	10	< 10	5	< 10	212
316015	205	226	< 1	< 0.01	< 1	40	12	8	< 1	107	< 0.01	< 10	< 10	3	< 10	114
316016	205	226	< 1	< 0.01	< 1	30	18	6	< 1	111	< 0.01	< 10	10	1	< 10	68
316017	205	226	1	< 0.01	< 1	110	12	4	< 1	48	< 0.01	< 10	< 10	5	< 10	346
316018	205	226	< 1	< 0.01	< 1	70	12	2	< 1	47	< 0.01	10	< 10	5	< 10	212
316019	205	226	< 1	< 0.01	< 1	410	16	6	< 1	48	< 0.01	< 10	< 10	5	< 10	206
316020	205	226	< 1	< 0.01	< 1	40	40	4	< 1	43	< 0.01	< 10	< 10	5	< 10	238
316021	205	226	< 1	< 0.01	< 1	40	32	6	< 1	158	< 0.01	< 10	< 10	2	< 10	18
316022	205	226	< 1	< 0.01	< 1	80	2	4	< 1	120	< 0.01	< 10	10	1	< 10	8
316023	205	226	< 1	< 0.01	< 1	50	2	6	< 1	118	< 0.01	< 10	10	4	< 10	8
316024	205	226	< 1	< 0.01	< 1	40	2	4	< 1	50	< 0.01	10	< 10	4	< 10	10
316025	205	226	< 1	< 0.01	< 1	< 10	4	2	< 1	43	< 0.01	< 10	< 10	5	< 10	10
316026	205	226	1	< 0.01	< 1	10	6	6	< 1	39	< 0.01	< 10	< 10	4	< 10	26
316027	205	226	< 1	< 0.01	< 1	20	4	6	< 1	35	< 0.01	< 10	< 10	5	< 10	16
316028	205	226	1	< 0.01	< 1	10	2	4	< 1	38	< 0.01	10	< 10	5	< 10	20
316029	205	226	< 1	< 0.01	< 1	< 10	2	6	< 1	37	< 0.01	< 10	< 10	5	< 10	12
316030	205	226	< 1	< 0.01	< 1	< 10	6	2	< 1	30	< 0.01	10	< 10	5	< 10	12
316031	205	226	< 1	< 0.01	< 1	30	38	6	< 1	30	< 0.01	< 10	< 10	5	< 10	58
316032	205	226	< 1	< 0.01	< 1	50	148	4	< 1	44	< 0.01	< 10	< 10	5	< 10	202
316033	205	226	< 1	< 0.01	< 1	50	16	2	< 1	126	< 0.01	< 10	10	3	< 10	192
316034	205	226	< 1	< 0.01	< 1	< 10	8	8	< 1	33	< 0.01	< 10	< 10	4	< 10	18
316035	205	226	< 1	< 0.01	< 1	10	2	4	< 1	37	< 0.01	10	< 10	5	< 10	16
316036	205	226	1	< 0.01	< 1	30	12	6	< 1	81	< 0.01	10	< 10	6	< 10	166
316037	205	226	< 1	< 0.01	< 1	20	12	6	< 1	84	< 0.01	10	< 10	4	< 10	312
316038	205	226	< 1	< 0.01	< 1	< 10	6	8	< 1	185	< 0.01	< 10	10	1	< 10	34
316039	205	226	< 1	< 0.01	< 1	10	6	10	< 1	138	< 0.01	< 10	10	1	< 10	48
316040	205	226	< 1	< 0.01	< 1	< 10	2	4	< 1	132	< 0.01	< 10	10	3	< 10	40

CERTIFICATION: Stan Stricker

FOR ICP ON SAMPLES 316161 THROUGH 316180

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SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
316041	205 226	-----	< 0.2	0.01	4	< 10	< 0.5	< 2	>15.00	2.0	< 1	1	< 1	0.12	< 10	1	< 0.01	< 10	9.67	190
316042	205 226	-----	< 0.2	< 0.01	< 2	< 10	< 0.5	< 2	>15.00	0.5	< 1	1	< 1	0.07	< 10	1	< 0.01	< 10	1.32	65
316043	205 226	-----	< 0.2	< 0.01	< 2	< 10	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	0.04	< 10	1	< 0.01	< 10	0.32	50
316044	205 226	-----	< 0.2	< 0.01	< 2	10	< 0.5	< 2	>15.00	< 0.5	< 1	1	< 1	0.10	< 10	1	< 0.01	< 10	1.39	110
316045	205 226	-----	< 0.2	< 0.01	< 2	< 10	< 0.5	< 2	>15.00	< 0.5	< 1	1	< 1	0.02	< 10	1	< 0.01	< 10	0.22	50
316046	205 226	-----	< 0.2	< 0.01	< 2	40	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	0.01	< 10	2	< 0.01	< 10	0.16	35
316047	205 226	-----	< 0.2	< 0.01	< 2	< 10	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	0.03	< 10	< 1	< 0.01	< 10	0.18	40
316048	205 226	-----	< 0.2	< 0.01	< 2	< 10	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	0.04	< 10	1	< 0.01	< 10	0.36	50
316049	205 226	-----	< 0.2	< 0.01	< 2	10	< 0.5	< 2	>15.00	< 0.5	< 1	2	< 1	0.10	< 10	1	< 0.01	< 10	0.97	85
316050	205 226	-----	< 0.2	< 0.01	2	10	< 0.5	< 2	>15.00	< 0.5	< 1	1	< 1	0.70	< 10	2	< 0.01	< 10	8.82	480
316051	205 226	-----	< 0.2	0.01	10	10	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	0.36	< 10	< 1	< 0.01	< 10	8.50	360
316052	205 226	-----	< 0.2	< 0.01	< 2	< 10	< 0.5	< 2	>15.00	< 0.5	< 1	2	< 1	0.08	< 10	3	< 0.01	< 10	1.51	105
316053	205 226	-----	< 0.2	< 0.01	< 2	< 10	< 0.5	< 2	>15.00	< 0.5	< 1	1	< 1	0.69	< 10	1	< 0.01	< 10	6.81	385
316054	205 226	-----	< 0.2	0.01	4	< 10	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	0.43	< 10	1	< 0.01	< 10	9.86	370
316055	205 226	-----	< 0.2	< 0.01	2	< 10	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	0.38	< 10	1	< 0.01	< 10	9.61	345
316056	205 226	-----	< 0.2	0.01	2	< 10	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	0.83	< 10	< 1	< 0.01	< 10	9.36	595
316057	205 226	-----	< 0.2	< 0.01	2	< 10	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	1	0.81	< 10	1	< 0.01	< 10	9.31	545
316058	205 226	-----	< 0.2	< 0.01	2	< 10	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	0.30	< 10	1	< 0.01	< 10	9.67	290
316059	205 226	-----	< 0.2	< 0.01	6	< 10	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	1	0.38	< 10	2	< 0.01	< 10	9.73	275
316060	205 226	-----	< 0.2	< 0.01	6	< 10	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	0.34	< 10	< 1	< 0.01	< 10	9.62	280
316061	205 226	-----	< 0.2	0.01	10	< 10	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	1	1.09	< 10	2	< 0.01	< 10	9.24	375
316062	205 226	-----	< 0.2	0.01	2	< 10	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	0.51	< 10	< 1	< 0.01	< 10	10.00	330
316063	205 226	-----	< 0.2	0.01	6	10	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	1	0.59	< 10	< 1	< 0.01	< 10	9.65	325
316064	205 226	-----	< 0.2	< 0.01	6	150	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	0.56	< 10	< 1	< 0.01	< 10	9.72	295
316065	205 226	-----	< 0.2	< 0.01	6	40	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	1	0.36	< 10	1	< 0.01	< 10	9.74	375
316066	205 226	-----	< 0.2	< 0.01	< 2	60	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	0.07	< 10	2	< 0.01	< 10	0.59	90
316067	205 226	-----	< 0.2	< 0.01	< 2	40	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	0.04	< 10	1	< 0.01	< 10	0.29	70
316068	205 226	-----	< 0.2	0.01	8	30	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	0.48	< 10	1	< 0.01	< 10	8.79	365
316069	205 226	-----	< 0.2	0.01	8	< 10	< 0.5	< 2	>15.00	< 0.5	< 1	3	3	0.36	< 10	1	< 0.01	< 10	5.22	290
316070	205 226	-----	< 0.2	< 0.01	< 2	< 10	< 0.5	< 2	>15.00	< 0.5	< 1	1	< 1	0.17	< 10	1	< 0.01	< 10	3.25	160
316071	205 226	-----	< 0.2	< 0.01	< 2	20	< 0.5	< 2	>15.00	0.5	< 1	< 1	< 1	0.11	< 10	1	< 0.01	< 10	0.26	90
316072	205 226	-----	< 0.2	0.03	12	110	< 0.5	< 2	>15.00	3.5	1	1	1	0.52	< 10	1	< 0.01	< 10	0.20	310
316073	205 226	-----	< 0.2	< 0.01	< 2	30	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	0.06	< 10	1	< 0.01	< 10	0.26	85
316074	205 226	-----	< 0.2	0.01	< 2	20	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	1	0.04	< 10	2	< 0.01	< 10	0.25	65
316075	205 226	-----	< 0.2	0.01	< 2	50	< 0.5	< 2	>15.00	< 0.5	< 1	3	< 1	0.19	< 10	1	< 0.01	< 10	6.02	215
316076	205 226	-----	< 0.2	< 0.01	< 2	20	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	0.09	< 10	1	< 0.01	< 10	0.43	85
316077	205 226	-----	< 0.2	< 0.01	< 2	10	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	0.03	< 10	< 1	< 0.01	< 10	0.66	70
316078	205 226	-----	< 0.2	0.01	< 2	40	< 0.5	< 2	>15.00	< 0.5	< 1	1	1	0.11	< 10	1	< 0.01	< 10	1.36	105
316079	205 226	-----	< 0.2	0.51	2	50	< 0.5	< 2	8.73	2.0	3	42	11	0.70	< 10	1	0.01	< 10	3.15	155
316080	205 226	-----	1.6	0.10	6	1630	< 0.5	< 2	>15.00	9.5	< 1	8	4	1.01	< 10	5	0.01	< 10	7.07	485

CERTIFICATION: Hart Bichler

FOR ICP ON SAMPLES 316161 THROUGH 316180

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: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : SB 96-01
Comments: ATTN: JIM LEHTINEN CC: STAN STRICKER

Page Number :2-B
Total Pages :7
Certificate Date: 09-SEP-96
Invoice No. :I9630358
P.O. Number :
Account :EIA

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CERTIFICATE OF ANALYSIS A9630358

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
316041	205	226	< 1	< 0.01	< 1	10	12	2	< 1	35	< 0.01	< 10	< 10	4	< 10	144
316042	205	226	< 1	< 0.01	< 1	10	10	6	< 1	115	< 0.01	< 10	10	3	< 10	44
316043	205	226	< 1	< 0.01	< 1	40	2	4	< 1	115	< 0.01	< 10	10	< 1	< 10	18
316044	205	226	< 1	< 0.01	< 1	30	8	6	< 1	130	< 0.01	< 10	10	3	< 10	40
316045	205	226	< 1	< 0.01	< 1	< 10	< 2	6	< 1	114	< 0.01	< 10	< 10	< 1	< 10	8
316046	205	226	< 1	< 0.01	< 1	< 10	2	6	< 1	143	< 0.01	< 10	< 10	< 1	< 10	6
316047	205	226	< 1	< 0.01	< 1	10	10	6	< 1	135	< 0.01	< 10	10	< 1	< 10	102
316048	205	226	< 1	< 0.01	< 1	60	6	2	< 1	143	< 0.01	< 10	10	1	< 10	16
316049	205	226	< 1	< 0.01	< 1	120	2	6	< 1	135	< 0.01	< 10	10	2	< 10	40
316050	205	226	1	< 0.01	< 1	30	4	6	< 1	55	< 0.01	< 10	< 10	5	< 10	88
316051	205	226	< 1	< 0.01	< 1	40	4	4	< 1	47	< 0.01	< 10	< 10	5	< 10	108
316052	205	226	< 1	< 0.01	< 1	140	4	6	< 1	111	< 0.01	< 10	10	3	< 10	22
316053	205	226	< 1	< 0.01	< 1	60	6	6	< 1	60	< 0.01	< 10	< 10	5	< 10	80
316054	205	226	< 1	< 0.01	< 1	150	2	4	< 1	34	< 0.01	10	< 10	5	< 10	48
316055	205	226	< 1	< 0.01	< 1	80	4	6	< 1	34	< 0.01	10	< 10	5	< 10	36
316056	205	226	< 1	< 0.01	< 1	30	2	2	< 1	34	< 0.01	10	< 10	4	< 10	34
316057	205	226	< 1	< 0.01	< 1	10	2	4	< 1	29	< 0.01	< 10	< 10	4	< 10	16
316058	205	226	1	< 0.01	< 1	10	4	4	< 1	39	< 0.01	< 10	< 10	4	< 10	20
316059	205	226	1	< 0.01	< 1	10	8	6	< 1	28	< 0.01	< 10	< 10	4	< 10	16
316060	205	226	< 1	< 0.01	< 1	10	10	2	< 1	42	< 0.01	10	< 10	5	< 10	34
316061	205	226	1	< 0.01	< 1	30	60	4	< 1	49	< 0.01	10	< 10	5	< 10	86
316062	205	226	1	< 0.01	< 1	10	6	6	< 1	37	< 0.01	10	< 10	5	< 10	28
316063	205	226	< 1	< 0.01	< 1	30	6	2	< 1	40	< 0.01	< 10	< 10	5	< 10	24
316064	205	226	1	< 0.01	< 1	20	10	6	< 1	172	< 0.01	10	< 10	5	< 10	22
316065	205	226	1	< 0.01	< 1	30	28	2	< 1	60	< 0.01	< 10	< 10	5	< 10	20
316066	205	226	< 1	< 0.01	< 1	80	10	6	< 1	191	< 0.01	< 10	10	2	< 10	14
316067	205	226	< 1	< 0.01	< 1	130	12	6	< 1	169	< 0.01	< 10	10	1	< 10	26
316068	205	226	< 1	< 0.01	1	50	40	8	< 1	75	< 0.01	< 10	< 10	5	< 10	216
316069	205	226	< 1	< 0.01	2	140	58	12	< 1	98	< 0.01	< 10	< 10	5	< 10	556
316070	205	226	< 1	< 0.01	< 1	110	20	8	< 1	110	< 0.01	< 10	< 10	4	< 10	100
316071	205	226	< 1	< 0.01	1	170	34	8	< 1	147	< 0.01	< 10	10	1	< 10	94
316072	205	226	< 1	< 0.01	16	550	142	16	< 1	153	< 0.01	< 10	10	3	< 10	378
316073	205	226	< 1	< 0.01	1	180	20	8	< 1	234	< 0.01	< 10	10	1	< 10	56
316074	205	226	< 1	< 0.01	< 1	70	14	6	< 1	225	< 0.01	< 10	10	1	< 10	32
316075	205	226	< 1	< 0.01	3	130	28	8	< 1	100	< 0.01	< 10	< 10	6	< 10	120
316076	205	226	< 1	< 0.01	< 1	100	16	6	< 1	185	< 0.01	< 10	10	2	< 10	58
316077	205	226	< 1	< 0.01	< 1	< 10	8	6	< 1	229	< 0.01	< 10	10	3	< 10	18
316078	205	226	< 1	< 0.01	< 1	40	10	10	< 1	247	< 0.01	< 10	10	4	< 10	54
316079	205	226	< 1	0.01	3	690	2	2	1	53	0.04	< 10	< 10	25	< 10	22
316080	205	226	< 1	< 0.01	3	130	26	2	< 1	126	< 0.01	10	< 10	12	< 10	724

CERTIFICATION: Ian Bichler

FOR ICP ON SAMPLES 316161 THROUGH 316180

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To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : SB 96-01
Comments: ATTN: JIM LEHTINEN CC: STAN STRICKER

Certificate Date: 09-SEP-96
Invoice No. :19630358
P.O. Number :
Account :EIA

CORRECTED COPY

CERTIFICATE OF ANALYSIS A9630358

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
316081	205	226	-----	3.2	0.01	8	1680	< 0.5	< 2	>15.00	10.0	< 1	14	1	1.18	< 10	8	< 0.01	< 10	9.11	660
316082	205	226	-----	6.0	0.02	12	2480	< 0.5	< 2	>15.00	28.0	< 1	9	3	1.87	< 10	23	< 0.01	< 10	8.70	770
316083	205	226	-----	1.4	0.01	10	1500	< 0.5	< 2	>15.00	9.0	< 1	4	1	1.36	< 10	3	< 0.01	< 10	9.40	655
316084	205	226	-----	1.2	0.03	8	1170	< 0.5	< 2	>15.00	9.0	< 1	1	2	0.61	< 10	5	< 0.01	< 10	9.71	405
316085	205	226	-----	0.6	0.04	4	2910	< 0.5	< 2	>15.00	8.0	< 1	3	4	0.51	< 10	2	0.01	< 10	9.29	320
316086	205	226	-----	0.6	0.01	8	1060	< 0.5	< 2	>15.00	4.5	< 1	1	3	0.95	< 10	3	< 0.01	< 10	9.83	555
316087	205	226	-----	3.0	0.01	8	1270	< 0.5	< 2	>15.00	6.0	< 1	3	2	1.16	< 10	4	< 0.01	< 10	9.33	680
316088	205	226	-----	2.0	0.01	10	1970	< 0.5	< 2	>15.00	11.5	< 1	3	1	1.61	< 10	6	< 0.01	< 10	9.00	700
316089	205	226	-----	4.6	0.04	14	1460	< 0.5	< 2	>15.00	52.0	< 1	6	5	2.38	< 10	21	< 0.01	< 10	7.38	910
316090	205	226	-----	2.8	0.03	18	1200	< 0.5	< 2	>15.00	33.0	< 1	6	4	2.81	< 10	9	< 0.01	< 10	7.11	1015
316091	205	226	-----	2.6	0.03	16	1790	< 0.5	< 2	>15.00	11.0	< 1	8	4	2.44	< 10	5	0.01	< 10	7.89	935
316092	205	226	-----	3.4	0.03	24	1670	< 0.5	< 2	>15.00	22.5	< 1	9	4	2.98	< 10	7	0.01	< 10	7.15	1010
316093	205	226	-----	20.2	0.04	48	2200	< 0.5	< 2	13.40	>100.0	< 1	16	5	4.40	< 10	22	0.01	< 10	4.41	930
316094	205	226	-----	2.0	0.01	8	1770	< 0.5	< 2	12.60	12.5	< 1	6	1	0.95	< 10	1	< 0.01	< 10	7.26	585
316095	205	226	-----	8.2	0.03	18	2410	< 0.5	< 2	>15.00	33.0	< 1	8	6	1.82	< 10	9	< 0.01	< 10	7.94	870
316096	205	226	-----	2.6	< 0.01	2	3180	< 0.5	< 2	>15.00	18.0	< 1	4	2	0.40	< 10	4	< 0.01	< 10	0.68	170
316097	205	226	-----	2.8	< 0.01	6	3210	< 0.5	< 2	>15.00	18.0	< 1	9	3	0.84	< 10	5	< 0.01	< 10	0.64	195
316098	205	226	-----	0.2	< 0.01	< 2	2220	< 0.5	< 2	>15.00	8.5	< 1	2	1	0.80	< 10	3	< 0.01	< 10	0.08	120
316099	205	226	-----	0.6	< 0.01	4	1800	< 0.5	< 2	>15.00	11.0	< 1	4	3	0.50	< 10	4	< 0.01	< 10	0.08	130
316100	205	226	-----	< 0.2	< 0.01	< 2	880	< 0.5	< 2	>15.00	5.5	< 1	1	1	0.27	< 10	2	< 0.01	< 10	0.11	90
316101	205	226	-----	0.2	< 0.01	< 2	1440	< 0.5	< 2	>15.00	8.0	< 1	3	1	0.25	< 10	1	< 0.01	< 10	0.07	115
316102	205	226	-----	< 0.2	< 0.01	< 2	2860	< 0.5	< 2	>15.00	1.5	< 1	< 1	< 1	0.10	< 10	1	< 0.01	< 10	0.18	150
316103	205	226	-----	< 0.2	< 0.01	< 2	2770	< 0.5	< 2	>15.00	1.5	< 1	1	< 1	0.07	< 10	2	< 0.01	< 10	0.33	175
316104	205	226	-----	0.2	< 0.01	< 2	840	< 0.5	< 2	>15.00	9.5	< 1	< 1	< 1	0.08	< 10	3	< 0.01	< 10	0.14	135
316105	205	226	-----	0.6	< 0.01	< 2	1150	< 0.5	< 2	>15.00	7.0	< 1	5	1	0.54	< 10	1	< 0.01	< 10	1.74	295
316106	205	226	-----	0.4	< 0.01	2	820	< 0.5	< 2	>15.00	6.5	< 1	5	1	0.52	< 10	1	< 0.01	< 10	4.24	335
316107	205	226	-----	< 0.2	< 0.01	< 2	70	< 0.5	< 2	>15.00	1.0	< 1	1	< 1	0.19	< 10	< 1	< 0.01	< 10	0.28	195
316108	205	226	-----	< 0.2	< 0.01	< 2	90	< 0.5	< 2	>15.00	4.0	< 1	< 1	< 1	0.09	< 10	1	< 0.01	< 10	0.29	120
316109	205	226	-----	< 0.2	< 0.01	< 2	70	< 0.5	< 2	>15.00	4.0	< 1	4	< 1	0.25	< 10	1	< 0.01	< 10	2.25	215
316110	205	226	-----	0.2	< 0.01	4	70	< 0.5	< 2	>15.00	6.5	< 1	2	< 1	0.53	< 10	1	< 0.01	< 10	7.95	495
316111	205	226	-----	0.4	< 0.01	6	60	< 0.5	< 2	>15.00	8.5	< 1	1	1	0.62	< 10	3	< 0.01	< 10	7.69	445
316112	205	226	-----	0.2	0.03	4	30	< 0.5	< 2	>15.00	2.0	1	7	1	1.32	< 10	2	0.01	< 10	7.43	335
316113	205	226	-----	0.2	0.25	38	50	< 0.5	< 2	10.60	< 0.5	6	11	16	1.70	< 10	2	0.13	< 10	5.69	175
316114	205	226	-----	0.2	0.25	40	40	< 0.5	< 2	5.63	< 0.5	12	20	14	2.41	< 10	< 1	0.16	< 10	3.04	135
316115	205	226	-----	< 0.2	0.21	42	20	< 0.5	< 2	5.56	< 0.5	10	23	10	1.97	< 10	< 1	0.13	< 10	3.02	150
316116	205	226	-----	< 0.2	0.45	10	80	< 0.5	< 2	1.89	< 0.5	20	32	19	3.73	< 10	< 1	0.23	< 10	0.79	330
316117	205	226	-----	< 0.2	0.42	6	60	< 0.5	< 2	1.15	< 0.5	14	37	15	3.32	< 10	< 1	0.21	10	0.61	455
316118	205	226	-----	< 0.2	0.43	6	80	< 0.5	< 2	1.27	< 0.5	15	44	16	3.10	< 10	< 1	0.26	10	0.64	450
316119	205	226	-----	< 0.2	0.67	< 2	50	< 0.5	< 2	1.60	< 0.5	11	52	12	2.74	< 10	< 1	0.22	10	0.77	425
316120	205	226	-----	< 0.2	1.39	4	80	< 0.5	< 2	1.05	< 0.5	16	43	20	3.61	< 10	< 1	0.32	10	0.80	400

CERTIFICATION: Stan Bichler

FOR ICP ON SAMPLES 316161 THROUGH 316180

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CERTIFICATE OF ANALYSIS A9630358

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
316081	205	226	< 1	< 0.01	< 1	30	106	2	< 1	128	< 0.01	10	< 10	10	< 10	964
316082	205	226	< 1	< 0.01	1	80	360	2	< 1	183	< 0.01	10	< 10	12	< 10	4480
316083	205	226	< 1	< 0.01	< 1	50	58	2	< 1	149	< 0.01	10	< 10	15	< 10	1100
316084	205	226	< 1	< 0.01	< 1	60	140	2	< 1	86	< 0.01	< 10	< 10	13	< 10	600
316085	205	226	< 1	< 0.01	2	60	72	6	< 1	137	< 0.01	10	< 10	18	< 10	502
316086	205	226	< 1	< 0.01	< 1	40	42	4	< 1	76	< 0.01	10	< 10	13	< 10	460
316087	205	226	< 1	< 0.01	< 1	40	80	4	< 1	65	< 0.01	10	< 10	9	< 10	462
316088	205	226	1	< 0.01	< 1	40	72	2	< 1	84	< 0.01	< 10	< 10	10	< 10	1160
316089	205	226	< 1	< 0.01	10	140	154	6	< 1	155	< 0.01	10	< 10	13	< 10	4450
316090	205	226	1	< 0.01	3	250	164	8	< 1	128	< 0.01	< 10	< 10	16	< 10	3200
316091	205	226	1	< 0.01	3	450	122	4	< 1	89	< 0.01	< 10	< 10	16	< 10	1230
316092	205	226	4	< 0.01	3	610	380	6	< 1	109	< 0.01	< 10	< 10	15	< 10	2340
316093	205	226	2	< 0.01	6	640	2110	10	< 1	164	< 0.01	10	< 10	16	< 10	7380
316094	205	226	1	< 0.01	< 1	70	158	2	< 1	316	< 0.01	< 10	< 10	6	< 10	1220
316095	205	226	1	< 0.01	4	210	400	6	< 1	195	< 0.01	10	< 10	9	< 10	2030
316096	205	226	< 1	< 0.01	< 1	70	332	8	< 1	270	< 0.01	< 10	10	9	< 10	874
316097	205	226	< 1	< 0.01	1	120	736	10	< 1	226	< 0.01	< 10	10	5	< 10	1430
316098	205	226	< 1	< 0.01	< 1	100	120	4	< 1	235	< 0.01	< 10	< 10	2	< 10	766
316099	205	226	< 1	< 0.01	< 1	90	228	8	< 1	148	< 0.01	< 10	10	1	< 10	1360
316100	205	226	< 1	< 0.01	< 1	80	78	6	< 1	208	< 0.01	< 10	< 10	1	< 10	912
316101	205	226	< 1	< 0.01	< 1	190	56	6	< 1	246	< 0.01	< 10	< 10	1	< 10	1365
316102	205	226	< 1	< 0.01	< 1	350	14	6	< 1	167	< 0.01	< 10	10	1	< 10	80
316103	205	226	< 1	< 0.01	< 1	80	14	4	< 1	172	< 0.01	< 10	10	1	< 10	144
316104	205	226	< 1	< 0.01	< 1	110	58	4	< 1	113	< 0.01	< 10	10	1	< 10	108
316105	205	226	< 1	< 0.01	< 1	130	150	4	< 1	109	< 0.01	< 10	< 10	5	< 10	366
316106	205	226	< 1	< 0.01	< 1	60	198	6	< 1	107	< 0.01	< 10	< 10	8	< 10	426
316107	205	226	< 1	< 0.01	< 1	70	54	6	< 1	412	< 0.01	< 10	10	3	< 10	202
316108	205	226	< 1	< 0.01	< 1	40	240	6	< 1	953	< 0.01	< 10	< 10	2	< 10	796
316109	205	226	< 1	< 0.01	< 1	30	134	6	< 1	485	< 0.01	< 10	10	6	< 10	318
316110	205	226	< 1	< 0.01	< 1	40	210	6	< 1	133	< 0.01	< 10	< 10	9	< 10	526
316111	205	226	< 1	< 0.01	< 1	20	288	4	< 1	160	< 0.01	< 10	< 10	9	< 10	1020
316112	205	226	1	< 0.01	4	740	164	6	< 1	956	< 0.01	< 10	< 10	15	< 10	388
316113	205	226	1	< 0.01	16	3330	152	4	2	633	< 0.01	< 10	< 10	14	< 10	106
316114	205	226	< 1	< 0.01	20	640	82	2	3	244	< 0.01	< 10	< 10	6	< 10	16
316115	205	226	< 1	< 0.01	19	810	32	2	5	262	< 0.01	< 10	< 10	6	< 10	20
316116	205	226	< 1	< 0.01	28	560	30	2	2	129	< 0.01	< 10	< 10	5	< 10	50
316117	205	226	< 1	< 0.01	28	490	6	< 2	1	142	< 0.01	< 10	< 10	5	< 10	58
316118	205	226	< 1	< 0.01	26	560	8	2	2	165	< 0.01	< 10	< 10	6	< 10	60
316119	205	226	< 1	< 0.01	22	520	10	2	1	205	< 0.01	< 10	< 10	5	< 10	48
316120	205	226	< 1	< 0.01	30	460	10	< 2	1	106	< 0.01	< 10	< 10	9	< 10	78

CERTIFICATION: Stan Bichler

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

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : SB 96-01
Comments: ATTN: JIM LEHTINEN CC: STAN STRICKER

Certificate Date: 09-SEP-96
Invoice No. : I9630358
P.O. Number :
Account : EIA

CORRECTED COPY

CERTIFICATE OF ANALYSIS A9630358

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
316121	205	226	-----	< 0.2	1.04	2	60	< 0.5	< 2	0.49	< 0.5	17	62	22	3.89	< 10	< 1	0.27	10	0.76	390
316122	205	226	-----	< 0.2	1.07	< 2	30	< 0.5	< 2	0.46	< 0.5	17	26	23	4.01	< 10	< 1	0.15	10	0.82	395
316123	205	226	-----	< 0.2	1.00	2	30	< 0.5	< 2	0.93	< 0.5	16	37	21	3.74	< 10	< 1	0.14	< 10	0.85	510
316124	205	226	-----	< 0.2	0.91	2	340	< 0.5	< 2	1.63	< 0.5	14	27	18	3.63	< 10	< 1	0.13	< 10	0.90	855
316125	205	226	-----	< 0.2	1.26	< 2	30	< 0.5	< 2	1.60	< 0.5	17	33	20	4.04	< 10	< 1	0.14	< 10	0.85	420
316126	205	226	-----	< 0.2	1.26	4	50	< 0.5	< 2	0.52	< 0.5	18	28	25	3.78	< 10	1	0.15	< 10	0.86	360
316127	205	226	-----	< 0.2	1.14	8	140	< 0.5	< 2	0.84	< 0.5	20	33	22	4.09	< 10	< 1	0.13	< 10	0.95	360
316128	205	226	-----	< 0.2	0.43	< 2	80	< 0.5	< 2	1.26	< 0.5	12	37	12	3.74	< 10	< 1	0.15	< 10	0.77	770
316129	205	226	-----	< 0.2	0.75	< 2	60	< 0.5	< 2	0.61	< 0.5	18	31	19	3.67	< 10	< 1	0.13	< 10	0.79	360
316130	205	226	-----	< 0.2	0.98	6	40	< 0.5	< 2	0.56	< 0.5	16	30	18	4.25	< 10	1	0.14	< 10	0.85	435
316131	205	226	-----	< 0.2	1.10	< 2	300	< 0.5	< 2	0.67	< 0.5	18	33	22	3.95	< 10	< 1	0.14	10	0.86	425
316132	205	226	-----	< 0.2	1.12	< 2	40	< 0.5	< 2	0.46	< 0.5	19	29	23	4.16	< 10	1	0.14	< 10	0.86	400
316133	205	226	-----	< 0.2	0.95	< 2	40	< 0.5	< 2	0.58	< 0.5	17	35	21	4.14	< 10	< 1	0.15	10	0.85	440
316134	205	226	-----	< 0.2	0.60	2	40	< 0.5	< 2	0.66	< 0.5	17	31	20	4.27	< 10	< 1	0.16	< 10	0.82	540
316135	205	226	-----	< 0.2	0.81	< 2	30	< 0.5	< 2	1.00	< 0.5	14	36	14	3.56	< 10	1	0.14	< 10	0.86	600
316136	205	226	-----	< 0.2	0.79	< 2	40	< 0.5	< 2	0.80	< 0.5	15	29	17	3.62	< 10	1	0.12	< 10	0.79	530
316137	205	226	-----	< 0.2	0.57	< 2	40	< 0.5	< 2	1.00	< 0.5	13	32	12	3.11	< 10	1	0.12	< 10	0.76	650
316138	205	226	-----	< 0.2	0.89	< 2	20	< 0.5	< 2	0.58	< 0.5	17	25	16	3.67	< 10	1	0.11	< 10	0.81	405
316139	205	226	-----	< 0.2	0.59	4	30	< 0.5	< 2	0.60	< 0.5	18	22	19	3.92	< 10	< 1	0.12	< 10	0.83	470
316140	205	226	-----	< 0.2	0.97	6	60	< 0.5	< 2	0.39	< 0.5	18	36	20	4.18	< 10	< 1	0.26	10	0.85	475
316141	205	226	-----	< 0.2	0.19	10	30	< 0.5	< 2	0.38	< 0.5	16	19	19	4.18	< 10	< 1	0.14	10	0.81	515
316142	205	226	-----	< 0.2	0.38	12	30	< 0.5	< 2	0.48	< 0.5	18	18	19	4.05	< 10	< 1	0.16	10	0.77	495
316143	205	226	-----	< 0.2	0.19	8	30	< 0.5	< 2	0.66	< 0.5	15	18	17	3.69	< 10	< 1	0.15	10	0.77	580
316144	205	226	-----	< 0.2	0.24	12	50	< 0.5	< 2	0.76	< 0.5	15	29	16	3.76	< 10	< 1	0.17	10	0.74	630
316145	205	226	-----	< 0.2	0.21	12	40	< 0.5	< 2	0.63	< 0.5	18	23	17	3.78	< 10	< 1	0.16	10	0.69	540
316146	205	226	-----	< 0.2	0.27	2	170	< 0.5	< 2	1.06	< 0.5	13	25	13	3.44	< 10	< 1	0.15	10	0.61	525
316147	205	226	-----	< 0.2	0.28	8	50	< 0.5	< 2	1.69	< 0.5	16	33	10	5.87	< 10	1	0.17	10	0.77	715
316148	205	226	-----	< 0.2	0.20	30	40	< 0.5	< 2	0.82	< 0.5	19	25	19	4.05	< 10	< 1	0.16	< 10	0.59	490
316149	205	226	-----	< 0.2	0.25	< 2	30	< 0.5	< 2	1.34	< 0.5	12	52	10	2.84	< 10	< 1	0.16	< 10	0.46	520
316150	205	226	-----	< 0.2	0.20	6	140	< 0.5	< 2	0.67	< 0.5	14	34	13	4.13	< 10	< 1	0.16	< 10	0.51	485
316151	205	226	-----	< 0.2	0.23	4	40	< 0.5	< 2	0.64	< 0.5	16	38	16	3.93	< 10	< 1	0.19	< 10	0.51	400
316152	205	226	-----	< 0.2	0.25	14	50	< 0.5	< 2	1.00	< 0.5	13	33	15	3.58	< 10	< 1	0.20	10	0.49	440
316153	205	226	-----	< 0.2	0.22	18	40	< 0.5	< 2	1.12	< 0.5	15	38	15	3.68	< 10	< 1	0.19	10	0.56	515
316154	205	226	-----	< 0.2	0.20	18	50	< 0.5	< 2	1.12	< 0.5	10	34	9	2.82	< 10	< 1	0.16	10	0.49	485
316155	205	226	-----	< 0.2	0.18	6	80	< 0.5	< 2	1.69	< 0.5	6	42	6	1.94	< 10	< 1	0.15	10	0.45	455
316156	205	226	-----	< 0.2	0.37	4	400	< 0.5	< 2	1.70	< 0.5	8	68	8	2.61	< 10	< 1	0.30	10	0.55	610
316157	205	226	-----	< 0.2	0.15	20	40	< 0.5	< 2	0.82	< 0.5	11	24	12	3.34	< 10	< 1	0.16	< 10	0.50	385
316158	205	226	-----	< 0.2	0.32	28	80	< 0.5	< 2	1.16	< 0.5	12	61	11	3.31	< 10	1	0.27	< 10	0.54	425
316159	205	226	-----	< 0.2	0.20	4	370	< 0.5	< 2	>15.00	2.0	2	22	6	1.08	< 10	1	0.01	< 10	5.03	465
316160	205	226	-----	0.2	0.09	2	2810	< 0.5	< 2	>15.00	5.0	1	14	3	1.12	< 10	3	0.04	< 10	5.70	490

CERTIFICATION: Stan Bichler

FOR ICP ON SAMPLES 316161 THROUGH 316180

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
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CERTIFICATE OF ANALYSIS A9630358

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
316121	205	226	< 1	< 0.01	34	470	10	2	1	78	< 0.01	< 10	< 10	7	< 10	80
316122	205	226	< 1	< 0.01	35	380	14	2	1	57	< 0.01	< 10	< 10	7	< 10	84
316123	205	226	< 1	< 0.01	32	580	8	2	1	142	< 0.01	< 10	< 10	7	< 10	88
316124	205	226	< 1	< 0.01	28	640	10	< 2	1	231	< 0.01	< 10	< 10	6	< 10	80
316125	205	226	< 1	< 0.01	29	660	8	< 2	1	127	< 0.01	< 10	< 10	8	< 10	82
316126	205	226	< 1	< 0.01	33	510	30	< 2	< 1	47	< 0.01	< 10	< 10	8	< 10	94
316127	205	226	< 1	< 0.01	33	620	30	< 2	1	59	< 0.01	< 10	< 10	8	< 10	150
316128	205	226	< 1	< 0.01	21	720	8	< 2	1	132	< 0.01	< 10	< 10	4	< 10	50
316129	205	226	< 1	< 0.01	31	730	12	2	1	64	< 0.01	< 10	< 10	6	< 10	78
316130	205	226	< 1	< 0.01	30	700	10	< 2	1	69	< 0.01	< 10	< 10	7	< 10	72
316131	205	226	< 1	< 0.01	34	760	42	2	1	59	< 0.01	< 10	< 10	8	< 10	82
316132	205	226	< 1	< 0.01	34	720	10	< 2	1	47	< 0.01	< 10	< 10	8	< 10	86
316133	205	226	< 1	< 0.01	32	800	8	< 2	1	66	< 0.01	< 10	< 10	8	< 10	80
316134	205	226	< 1	< 0.01	29	920	14	2	1	81	< 0.01	< 10	< 10	6	< 10	78
316135	205	226	< 1	< 0.01	25	720	12	< 2	1	115	< 0.01	< 10	< 10	7	< 10	66
316136	205	226	< 1	< 0.01	29	940	14	< 2	1	90	< 0.01	< 10	< 10	6	< 10	68
316137	205	226	< 1	< 0.01	22	680	10	< 2	1	110	< 0.01	< 10	< 10	5	< 10	58
316138	205	226	< 1	< 0.01	32	500	12	< 2	1	58	< 0.01	< 10	< 10	7	< 10	78
316139	205	226	< 1	< 0.01	31	500	22	< 2	1	51	< 0.01	< 10	< 10	5	< 10	76
316140	205	226	< 1	< 0.01	35	500	12	< 2	1	38	< 0.01	< 10	< 10	7	< 10	90
316141	205	226	< 1	< 0.01	34	510	14	2	1	38	< 0.01	< 10	< 10	3	< 10	90
316142	205	226	< 1	< 0.01	34	490	16	< 2	1	43	< 0.01	< 10	< 10	4	< 10	84
316143	205	226	< 1	< 0.01	30	530	12	< 2	1	66	< 0.01	< 10	< 10	3	< 10	76
316144	205	226	< 1	< 0.01	30	540	14	4	1	76	< 0.01	< 10	< 10	3	< 10	68
316145	205	226	< 1	< 0.01	30	560	14	2	1	60	< 0.01	< 10	< 10	3	< 10	68
316146	205	226	< 1	< 0.01	21	1860	14	2	1	103	< 0.01	< 10	< 10	3	< 10	48
316147	205	226	< 1	< 0.01	16	3400	2	4	2	202	< 0.01	< 10	< 10	4	< 10	50
316148	205	226	< 1	< 0.01	27	990	18	2	1	80	< 0.01	< 10	< 10	2	< 10	54
316149	205	226	< 1	< 0.01	16	2570	22	2	1	150	< 0.01	< 10	< 10	2	< 10	32
316150	205	226	< 1	< 0.01	23	1370	16	< 2	1	83	< 0.01	< 10	< 10	2	< 10	46
316151	205	226	< 1	< 0.01	26	1370	14	< 2	1	88	< 0.01	< 10	< 10	2	< 10	46
316152	205	226	< 1	< 0.01	24	1170	16	2	1	97	< 0.01	< 10	< 10	3	< 10	46
316153	205	226	< 1	< 0.01	21	930	16	2	1	140	< 0.01	< 10	< 10	3	< 10	44
316154	205	226	< 1	< 0.01	12	610	20	< 2	1	147	< 0.01	< 10	< 10	2	< 10	32
316155	205	226	< 1	< 0.01	8	680	16	< 2	1	194	< 0.01	< 10	< 10	1	< 10	20
316156	205	226	< 1	0.01	11	570	18	2	1	223	< 0.01	< 10	< 10	3	< 10	28
316157	205	226	< 1	< 0.01	15	510	18	< 2	1	110	< 0.01	< 10	< 10	1	< 10	40
316158	205	226	< 1	< 0.01	14	720	18	< 2	1	146	< 0.01	< 10	< 10	3	< 10	40
316159	205	226	< 1	< 0.01	5	280	12	6	< 1	94	< 0.01	< 10	< 10	12	< 10	306
316160	205	226	1	< 0.01	4	130	26	4	< 1	119	< 0.01	< 10	< 10	8	< 10	492

CERTIFICATION: Hart Bichler

FOR ICP ON SAMPLES 316161 THROUGH 316180

Chemex Labs Ltd.

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SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
316161	205	226	-----	1.2	0.03	22	2260	< 0.5	2	>15.00	16.5	< 1	13	4	1.24	< 10	7	0.01	< 10	8.63	590
316162	205	226	-----	0.6	0.02	14	2470	< 0.5	< 2	>15.00	9.5	< 1	7	3	0.84	< 10	3	0.01	< 10	8.38	500
316163	205	226	-----	13.4	0.01	14	810	< 0.5	< 2	>15.00	58.0	< 1	5	7	0.94	< 10	41	< 0.01	< 10	9.13	565
316164	205	226	-----	1.6	< 0.01	6	2580	< 0.5	< 2	>15.00	8.5	< 1	4	1	0.70	< 10	4	< 0.01	< 10	5.40	440
316165	205	226	-----	5.6	0.01	12	8040	< 0.5	< 2	>15.00	29.0	< 1	12	3	1.06	< 10	6	< 0.01	< 10	0.93	190
316166	205	226	-----	1.8	< 0.01	14	4860	< 0.5	< 2	>15.00	9.5	< 1	5	1	0.78	< 10	3	< 0.01	< 10	0.14	130
316167	205	226	-----	1.0	< 0.01	10	5650	< 0.5	< 2	>15.00	6.5	< 1	4	1	0.50	< 10	4	< 0.01	< 10	0.04	110
316168	205	226	-----	1.0	< 0.01	14	5280	< 0.5	< 2	>15.00	11.0	< 1	2	1	0.45	< 10	4	< 0.01	< 10	0.05	140
316169	205	226	-----	1.0	< 0.01	8	5110	< 0.5	< 2	>15.00	16.0	< 1	3	1	0.33	< 10	4	< 0.01	< 10	0.03	120
316170	205	226	-----	3.2	< 0.01	18	3100	< 0.5	< 2	>15.00	>100.0	< 1	3	8	0.49	< 10	11	< 0.01	< 10	0.04	120
316171	205	226	-----	2.2	< 0.01	16	3430	< 0.5	< 2	>15.00	46.5	< 1	3	5	0.33	< 10	6	< 0.01	< 10	0.05	125
316172	205	226	-----	1.0	< 0.01	6	6020	< 0.5	< 2	>15.00	11.0	< 1	3	< 1	0.26	< 10	3	< 0.01	< 10	0.93	145
316173	205	226	-----	0.8	< 0.01	8	6170	< 0.5	< 2	>15.00	4.5	< 1	2	< 1	0.18	< 10	3	< 0.01	< 10	0.11	140
316174	205	226	-----	0.6	< 0.01	6	3780	< 0.5	< 2	>15.00	2.0	< 1	1	< 1	0.12	< 10	4	< 0.01	< 10	0.25	175
316175	205	226	-----	0.8	< 0.01	2	2320	< 0.5	< 2	>15.00	1.5	< 1	1	< 1	0.09	< 10	3	< 0.01	< 10	0.24	160
316176	205	226	-----	0.8	< 0.01	4	630	< 0.5	< 2	>15.00	1.0	< 1	1	< 1	0.09	< 10	4	< 0.01	< 10	0.17	155
316177	205	226	-----	2.8	0.03	16	4390	< 0.5	< 2	>15.00	9.0	< 1	9	6	1.71	< 10	6	< 0.01	< 10	4.18	335
316178	205	226	-----	1.0	0.01	14	250	< 0.5	< 2	>15.00	0.5	< 1	5	< 1	1.16	< 10	3	< 0.01	< 10	10.55	680
316179	205	226	-----	2.0	< 0.01	10	1110	< 0.5	< 2	>15.00	7.5	< 1	5	< 1	0.79	< 10	5	< 0.01	< 10	6.60	420
316180	205	226	-----	1.0	< 0.01	6	140	< 0.5	< 2	>15.00	3.5	< 1	5	< 1	0.22	< 10	4	< 0.01	< 10	2.18	240
316181	205	226	-----	< 0.2	< 0.01	< 2	80	< 0.5	< 2	>15.00	1.5	< 1	1	< 1	0.06	< 10	1	< 0.01	< 10	0.25	135
316182	205	226	-----	< 0.2	< 0.01	< 2	150	< 0.5	< 2	>15.00	7.0	< 1	3	< 1	0.13	< 10	< 1	< 0.01	< 10	1.74	165
316183	205	226	-----	< 0.2	< 0.01	2	40	< 0.5	< 2	>15.00	5.5	< 1	4	< 1	0.16	< 10	1	< 0.01	< 10	5.81	260
316184	205	226	< 5	< 0.2	0.03	6	< 10	< 0.5	< 2	>15.00	< 0.5	< 1	11	< 1	0.23	< 10	2	< 0.01	< 10	8.95	210
316185	205	226	< 5	< 0.2	0.01	6	< 10	< 0.5	< 2	14.75	< 0.5	< 1	16	2	0.22	< 10	2	< 0.01	< 10	8.73	215
316186	205	226	< 5	< 0.2	0.01	6	< 10	< 0.5	< 2	>15.00	< 0.5	< 1	9	1	0.25	< 10	1	< 0.01	< 10	9.25	220
316187	205	226	< 5	< 0.2	0.01	4	< 10	< 0.5	< 2	>15.00	< 0.5	< 1	10	< 1	0.22	< 10	1	< 0.01	< 10	8.87	240
316188	205	226	< 5	< 0.2	0.01	< 2	< 10	< 0.5	< 2	13.85	< 0.5	< 1	17	< 1	0.19	< 10	1	< 0.01	< 10	7.87	195
316189	205	226	< 5	< 0.2	0.01	2	< 10	< 0.5	< 2	12.35	< 0.5	< 1	23	< 1	0.19	< 10	< 1	< 0.01	< 10	6.90	155
316190	205	226	< 5	< 0.2	< 0.01	< 2	< 10	< 0.5	< 2	12.95	< 0.5	< 1	21	< 1	0.16	< 10	< 1	< 0.01	< 10	7.45	155
316191	205	226	< 5	< 0.2	0.01	2	10	< 0.5	< 2	10.85	< 0.5	< 1	31	< 1	0.20	< 10	1	< 0.01	< 10	5.98	170
316192	205	226	< 5	< 0.2	0.01	2	< 10	< 0.5	< 2	11.50	< 0.5	< 1	22	< 1	0.20	< 10	1	< 0.01	< 10	6.61	160
316193	205	226	< 5	< 0.2	0.01	< 2	< 10	< 0.5	< 2	10.75	< 0.5	< 1	22	< 1	0.16	< 10	< 1	< 0.01	< 10	6.32	130
316194	205	226	< 5	< 0.2	< 0.01	< 2	< 10	< 0.5	< 2	12.85	< 0.5	< 1	15	< 1	0.14	< 10	1	< 0.01	< 10	7.48	140
316195	205	226	< 5	< 0.2	0.01	< 2	< 10	< 0.5	< 2	12.55	< 0.5	< 1	11	< 1	0.13	< 10	1	< 0.01	< 10	7.02	155
316196	205	226	< 5	< 0.2	0.01	4	< 10	< 0.5	< 2	13.05	< 0.5	< 1	20	< 1	0.18	< 10	1	< 0.01	< 10	6.29	195
316197	205	226	< 5	< 0.2	0.01	6	< 10	< 0.5	< 2	>15.00	< 0.5	< 1	7	< 1	0.20	< 10	< 1	< 0.01	< 10	8.54	240
316198	205	226	< 5	< 0.2	0.01	2	< 10	< 0.5	< 2	12.80	< 0.5	< 1	24	< 1	0.16	< 10	1	< 0.01	< 10	7.27	170
316199	205	226	< 5	< 0.2	0.01	2	< 10	< 0.5	< 2	14.60	< 0.5	< 1	18	< 1	0.14	< 10	1	< 0.01	< 10	7.78	185
316200	205	226	< 5	< 0.2	0.01	2	< 10	< 0.5	< 2	11.30	< 0.5	< 1	39	< 1	0.16	< 10	1	< 0.01	< 10	6.38	150

CERTIFICATION: Hart Bichler

FOR ICP ON SAMPLES 316161 THROUGH 316180

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: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : SB 96-01
Comments: ATTN: JIM LEHTINEN CC: STAN STRICKER

Certificate Date: 09-SEP-96
Invoice No. : I9630358
P.O. Number :
Account :EIA

CORRECTED COPY

CERTIFICATE OF ANALYSIS A9630358

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
316161	205	226	< 1	< 0.01	2	70	98	2	< 1	108	< 0.01	10	< 10	10	< 10	1335
316162	205	226	1	< 0.01	2	200	272	6	< 1	104	< 0.01	< 10	< 10	11	< 10	792
316163	205	226	1	< 0.01	< 1	160	4460	10	< 1	66	< 0.01	10	< 10	7	< 10	>10000
316164	205	226	< 1	< 0.01	< 1	70	332	4	< 1	85	< 0.01	< 10	< 10	6	< 10	1620
316165	205	226	< 1	0.01	3	170	618	2	< 1	237	< 0.01	< 10	< 10	4	< 10	1730
316166	205	226	< 1	0.01	1	160	352	4	< 1	326	< 0.01	< 10	< 10	1	< 10	972
316167	205	226	< 1	0.01	1	190	248	6	< 1	318	< 0.01	< 10	< 10	1	< 10	1055
316168	205	226	< 1	0.01	1	160	254	4	< 1	261	< 0.01	< 10	< 10	1	< 10	2210
316169	205	226	< 1	0.01	1	90	192	2	< 1	280	< 0.01	< 10	< 10	1	< 10	2900
316170	205	226	< 1	< 0.01	3	70	952	6	< 1	215	< 0.01	< 10	< 10	< 1	< 10	>10000
316171	205	226	< 1	0.03	1	100	288	6	< 1	203	< 0.01	< 10	< 10	< 1	< 10	8630
316172	205	226	< 1	0.01	1	190	70	2	< 1	159	< 0.01	< 10	< 10	1	< 10	1560
316173	205	226	< 1	0.01	< 1	260	52	2	< 1	171	< 0.01	< 10	< 10	1	< 10	592
316174	205	226	< 1	< 0.01	< 1	140	38	2	< 1	154	< 0.01	< 10	< 10	1	10	170
316175	205	226	< 1	< 0.01	< 1	80	46	2	< 1	128	< 0.01	< 10	< 10	1	10	178
316176	205	226	< 1	< 0.01	< 1	90	30	2	< 1	202	< 0.01	< 10	< 10	1	10	98
316177	205	226	< 1	< 0.01	9	210	502	8	< 1	200	< 0.01	< 10	< 10	8	< 10	1970
316178	205	226	< 1	0.01	1	40	116	4	< 1	69	< 0.01	< 10	< 10	1	< 10	368
316179	205	226	< 1	0.01	1	110	770	4	< 1	109	< 0.01	< 10	< 10	2	< 10	1245
316180	205	226	< 1	< 0.01	< 1	80	88	2	< 1	302	< 0.01	< 10	< 10	2	10	176
316181	205	226	< 1	< 0.01	< 1	30	60	6	< 1	953	< 0.01	< 10	10	3	< 10	102
316182	205	226	< 1	< 0.01	< 1	50	104	4	< 1	508	< 0.01	< 10	10	6	< 10	164
316183	205	226	< 1	< 0.01	< 1	30	170	6	< 1	338	< 0.01	< 10	< 10	7	< 10	144
316184	205	226	1	< 0.01	< 1	1580	2	6	< 1	33	< 0.01	< 10	< 10	7	< 10	10
316185	205	226	1	< 0.01	< 1	860	6	2	< 1	26	< 0.01	< 10	< 10	6	< 10	10
316186	205	226	< 1	< 0.01	< 1	620	10	4	< 1	32	< 0.01	< 10	< 10	5	< 10	10
316187	205	226	1	< 0.01	< 1	850	10	2	< 1	30	< 0.01	< 10	< 10	6	< 10	8
316188	205	226	1	< 0.01	1	1100	10	< 2	< 1	27	< 0.01	< 10	< 10	6	< 10	12
316189	205	226	< 1	< 0.01	< 1	1440	10	< 2	< 1	25	< 0.01	< 10	< 10	6	< 10	8
316190	205	226	1	< 0.01	< 1	350	8	2	< 1	28	< 0.01	< 10	< 10	8	< 10	8
316191	205	226	< 1	< 0.01	< 1	1040	2	2	< 1	24	< 0.01	< 10	< 10	7	< 10	8
316192	205	226	< 1	< 0.01	< 1	2490	2	< 2	< 1	24	< 0.01	< 10	< 10	6	< 10	6
316193	205	226	< 1	< 0.01	< 1	1420	2	2	< 1	21	< 0.01	< 10	< 10	6	< 10	6
316194	205	226	1	< 0.01	< 1	860	2	2	< 1	28	< 0.01	< 10	< 10	6	< 10	6
316195	205	226	< 1	< 0.01	< 1	950	4	< 2	< 1	29	< 0.01	< 10	< 10	5	< 10	6
316196	205	226	< 1	< 0.01	< 1	1680	14	2	< 1	32	< 0.01	< 10	< 10	7	< 10	16
316197	205	226	1	< 0.01	< 1	910	8	2	< 1	35	< 0.01	< 10	< 10	6	< 10	10
316198	205	226	< 1	< 0.01	< 1	1520	10	2	< 1	28	< 0.01	< 10	< 10	7	< 10	12
316199	205	226	< 1	< 0.01	< 1	290	4	4	< 1	32	< 0.01	< 10	< 10	6	< 10	14
316200	205	226	< 1	< 0.01	< 1	850	2	2	< 1	27	< 0.01	< 10	< 10	6	< 10	8

CERTIFICATION: Stan Bichler

FOR ICP ON SAMPLES 316161 THROUGH 316180

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Project : SB 96-01
Comments: ATTN: JIM LEHTINEN CC: STAN STRICKER

Certificate Date: 09-SEP-96
Invoice No. : I9630358
P.O. Number :
Account :EIA

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CERTIFICATE OF ANALYSIS A9630358

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
316201	205	226	< 5	0.2	0.01	< 2	< 10	< 0.5	< 2	11.50	< 0.5	< 1	38	< 1	0.19	< 10	1	< 0.01	< 10	6.60	160
316202	205	226	< 5	0.2	0.01	< 2	< 10	< 0.5	< 2	12.65	< 0.5	< 1	21	< 1	0.15	< 10	< 1	< 0.01	< 10	7.55	145
316203	205	226	< 5	0.2	< 0.01	< 2	< 10	< 0.5	< 2	9.11	< 0.5	< 1	49	< 1	0.17	< 10	1	< 0.01	< 10	5.32	130
316204	205	226	< 5	0.2	< 0.01	< 2	< 10	< 0.5	< 2	9.31	< 0.5	< 1	45	< 1	0.15	< 10	1	< 0.01	< 10	5.18	115
316205	205	226	< 5	0.2	0.01	< 2	< 10	< 0.5	< 2	9.03	< 0.5	< 1	39	< 1	0.18	< 10	< 1	< 0.01	< 10	5.14	145
316206	205	226	< 5	0.2	0.01	< 2	< 10	< 0.5	< 2	10.70	< 0.5	< 1	33	< 1	0.17	< 10	< 1	< 0.01	< 10	6.35	145
316207	205	226	< 5	0.2	0.01	< 2	< 10	< 0.5	< 2	10.00	< 0.5	< 1	47	< 1	0.19	< 10	1	< 0.01	< 10	5.90	140
316208	205	226	< 5	0.2	0.01	< 2	< 10	< 0.5	< 2	10.50	< 0.5	< 1	41	< 1	0.18	< 10	1	< 0.01	< 10	5.91	135
316209	205	226	< 5	0.2	0.01	< 2	20	< 0.5	< 2	10.90	< 0.5	< 1	39	< 1	0.19	< 10	< 1	< 0.01	< 10	6.53	145
316210	205	226	< 5	0.2	< 0.01	< 2	< 10	< 0.5	< 2	7.73	< 0.5	< 1	63	< 1	0.20	< 10	< 1	< 0.01	< 10	4.58	125
316211	205	226	< 5	0.2	0.01	< 2	< 10	< 0.5	< 2	9.21	< 0.5	< 1	52	< 1	0.15	< 10	< 1	< 0.01	< 10	5.27	95
316212	205	226	< 5	0.2	< 0.01	< 2	< 10	< 0.5	< 2	10.30	< 0.5	< 1	31	< 1	0.14	< 10	< 1	< 0.01	< 10	6.42	135
316213	205	226	< 5	0.2	0.01	< 2	< 10	< 0.5	< 2	9.02	< 0.5	< 1	47	< 1	0.12	< 10	< 1	< 0.01	< 10	4.75	85
316214	205	226	< 5	0.2	0.01	< 2	< 10	< 0.5	< 2	9.54	< 0.5	< 1	38	< 1	0.15	< 10	< 1	< 0.01	< 10	5.35	115
316215	205	226	< 5	0.2	< 0.01	< 2	< 10	< 0.5	< 2	8.61	< 0.5	< 1	51	< 1	0.15	< 10	1	< 0.01	< 10	5.29	115
316216	205	226	< 5	0.2	< 0.01	< 2	< 10	< 0.5	< 2	8.14	< 0.5	< 1	46	< 1	0.16	< 10	< 1	< 0.01	< 10	4.91	130
316217	205	226	< 5	0.2	0.01	< 2	< 10	< 0.5	< 2	8.15	< 0.5	< 1	62	< 1	0.17	< 10	1	< 0.01	< 10	4.56	105
316218	205	226	< 5	0.2	0.02	< 2	< 10	< 0.5	< 2	11.95	< 0.5	< 1	18	< 1	0.15	< 10	1	< 0.01	< 10	7.14	135
316219	205	226	< 5	0.4	0.03	< 2	< 10	< 0.5	< 2	12.15	< 0.5	< 1	29	< 1	0.20	< 10	< 1	0.01	< 10	7.12	170
316220	205	226	< 5	0.2	0.01	6	< 10	< 0.5	< 2	8.83	< 0.5	< 1	43	< 1	0.19	< 10	< 1	< 0.01	< 10	5.18	135
316221	205	226	< 5	0.6	< 0.01	10	< 10	< 0.5	< 2	7.41	< 0.5	< 1	55	1	0.20	< 10	< 1	< 0.01	< 10	4.31	115
316222	205	226	< 5	0.2	0.01	< 2	< 10	< 0.5	< 2	7.81	< 0.5	< 1	46	< 1	0.16	< 10	< 1	< 0.01	< 10	4.42	100
316223	205	226	< 5	0.2	0.02	< 2	< 10	< 0.5	< 2	8.72	< 0.5	< 1	60	< 1	0.19	< 10	< 1	< 0.01	< 10	4.98	110
316224	205	226	< 5	0.4	0.01	< 2	< 10	< 0.5	< 2	11.10	< 0.5	< 1	27	< 1	0.17	< 10	1	< 0.01	< 10	6.62	150
316225	205	226	< 5	0.2	0.02	< 2	< 10	< 0.5	< 2	8.71	< 0.5	< 1	58	< 1	0.19	< 10	< 1	< 0.01	< 10	4.52	115
316226	205	226	< 5	0.2	0.03	< 2	< 10	< 0.5	< 2	8.97	< 0.5	< 1	51	< 1	0.22	< 10	< 1	0.01	< 10	5.05	145
316227	205	226	< 5	0.2	0.01	< 2	< 10	< 0.5	< 2	7.48	< 0.5	< 1	66	< 1	0.21	< 10	< 1	< 0.01	< 10	4.20	125
316228	205	226	< 5	0.2	0.01	< 2	< 10	< 0.5	< 2	9.74	< 0.5	< 1	32	< 1	0.19	< 10	1	< 0.01	< 10	5.68	145
316229	205	226	< 5	< 0.2	0.01	< 2	< 10	< 0.5	< 2	6.71	< 0.5	< 1	73	< 1	0.22	< 10	< 1	< 0.01	< 10	3.86	120
316230	205	226	< 5	0.2	0.01	< 2	< 10	< 0.5	< 2	8.78	< 0.5	< 1	48	< 1	0.21	< 10	< 1	< 0.01	< 10	4.93	150
316231	205	226	< 5	0.2	0.01	< 2	< 10	< 0.5	< 2	8.91	< 0.5	< 1	52	< 1	0.18	< 10	< 1	< 0.01	< 10	4.96	120
316232	205	226	< 5	0.2	0.01	< 2	< 10	< 0.5	< 2	7.57	< 0.5	< 1	59	< 1	0.17	< 10	< 1	< 0.01	< 10	4.21	105
316233	205	226	< 5	0.2	0.01	< 2	< 10	< 0.5	< 2	7.88	< 0.5	< 1	59	< 1	0.19	< 10	< 1	< 0.01	< 10	4.65	130
316234	205	226	< 5	0.2	< 0.01	< 2	< 10	< 0.5	< 2	10.60	< 0.5	< 1	21	< 1	0.15	< 10	1	< 0.01	< 10	6.38	160
316235	205	226	< 5	0.2	0.01	< 2	< 10	< 0.5	< 2	10.10	< 0.5	< 1	36	< 1	0.16	< 10	1	< 0.01	< 10	5.80	130
316236	205	226	< 5	0.4	0.01	< 2	< 10	< 0.5	< 2	12.85	< 0.5	< 1	11	< 1	0.17	< 10	2	< 0.01	< 10	7.86	155
316237	205	226	< 5	2.2	0.03	< 2	< 10	< 0.5	< 2	13.60	< 0.5	< 1	15	2	0.33	< 10	1	0.01	< 10	8.27	240
316238	205	226	< 5	1.0	0.03	< 2	< 10	< 0.5	< 2	12.95	< 0.5	< 1	12	< 1	0.29	< 10	1	0.01	< 10	7.73	205
316239	205	226	< 5	0.2	0.04	< 2	< 10	< 0.5	< 2	11.55	< 0.5	< 1	20	< 1	0.23	< 10	1	0.01	< 10	6.92	170
316240	205	226	< 5	0.4	0.02	< 2	< 10	< 0.5	< 2	11.65	< 0.5	< 1	24	< 1	0.25	< 10	1	0.01	< 10	7.15	160

CERTIFICATION: Ivan Bichler

FOR ICP ON SAMPLES 316161 THROUGH 316180

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CERTIFICATE OF ANALYSIS A9630358

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
316201	205	226	< 1	< 0.01	1	2930	4	2	< 1	44	< 0.01	< 10	< 10	3	< 10	8
316202	205	226	< 1	< 0.01	1	2410	2	2	< 1	44	< 0.01	< 10	< 10	1	< 10	4
316203	205	226	< 1	< 0.01	1	590	6	2	< 1	20	< 0.01	< 10	< 10	< 1	< 10	6
316204	205	226	< 1	< 0.01	3	2060	10	< 2	< 1	20	< 0.01	< 10	< 10	1	< 10	14
316205	205	226	< 1	< 0.01	1	4680	8	< 2	< 1	30	< 0.01	< 10	< 10	3	< 10	10
316206	205	226	< 1	< 0.01	1	2250	6	2	< 1	34	< 0.01	< 10	< 10	3	< 10	14
316207	205	226	< 1	< 0.01	2	1520	8	< 2	< 1	27	< 0.01	< 10	< 10	1	< 10	12
316208	205	226	< 1	< 0.01	3	6930	18	2	< 1	32	< 0.01	< 10	< 10	3	< 10	18
316209	205	226	< 1	< 0.01	2	1670	18	< 2	< 1	25	< 0.01	< 10	< 10	3	< 10	12
316210	205	226	< 1	< 0.01	2	2170	6	< 2	< 1	19	< 0.01	< 10	< 10	1	< 10	8
316211	205	226	< 1	< 0.01	3	5290	10	< 2	< 1	31	< 0.01	< 10	< 10	3	< 10	8
316212	205	226	< 1	< 0.01	2	1460	4	2	< 1	28	< 0.01	< 10	< 10	1	< 10	6
316213	205	226	< 1	< 0.01	3	7990	60	< 2	< 1	35	< 0.01	< 10	< 10	3	< 10	6
316214	205	226	< 1	< 0.01	3	6330	14	2	< 1	35	< 0.01	< 10	< 10	3	< 10	12
316215	205	226	< 1	< 0.01	3	1250	8	2	< 1	24	< 0.01	< 10	< 10	3	< 10	8
316216	205	226	< 1	< 0.01	3	1560	8	< 2	< 1	24	< 0.01	< 10	< 10	2	< 10	10
316217	205	226	< 1	< 0.01	3	4890	14	< 2	< 1	35	< 0.01	< 10	< 10	4	< 10	10
316218	205	226	< 1	< 0.01	2	5010	6	2	< 1	52	< 0.01	< 10	< 10	4	< 10	4
316219	205	226	< 1	< 0.01	3	6140	166	4	< 1	57	< 0.01	< 10	< 10	6	< 10	8
316220	205	226	< 1	< 0.01	2	4030	184	8	< 1	44	< 0.01	< 10	< 10	3	< 10	6
316221	205	226	< 1	< 0.01	3	690	592	6	< 1	51	< 0.01	< 10	< 10	3	< 10	6
316222	205	226	< 1	< 0.01	2	2730	24	4	< 1	46	< 0.01	< 10	< 10	3	< 10	4
316223	205	226	< 1	< 0.01	3	2700	46	6	< 1	49	< 0.01	< 10	< 10	5	< 10	12
316224	205	226	< 1	< 0.01	2	3860	22	2	< 1	51	< 0.01	< 10	< 10	5	< 10	14
316225	205	226	< 1	< 0.01	3	7200	20	2	< 1	41	< 0.01	< 10	< 10	3	< 10	6
316226	205	226	< 1	< 0.01	3	4770	58	< 2	< 1	45	< 0.01	< 10	< 10	6	< 10	16
316227	205	226	< 1	< 0.01	5	3760	48	2	< 1	30	< 0.01	< 10	< 10	3	< 10	14
316228	205	226	< 1	< 0.01	5	4730	62	2	< 1	39	< 0.01	< 10	< 10	4	< 10	26
316229	205	226	< 1	< 0.01	4	2550	26	< 2	< 1	27	< 0.01	< 10	< 10	3	< 10	14
316230	205	226	< 1	< 0.01	3	4410	32	< 2	< 1	35	< 0.01	< 10	< 10	3	< 10	12
316231	205	226	< 1	< 0.01	3	6410	56	2	< 1	38	< 0.01	< 10	< 10	4	< 10	20
316232	205	226	< 1	< 0.01	4	3440	56	2	< 1	35	< 0.01	< 10	< 10	4	< 10	24
316233	205	226	< 1	< 0.01	4	2880	38	2	< 1	35	< 0.01	< 10	< 10	4	< 10	26
316234	205	226	< 1	< 0.01	3	920	52	< 2	< 1	34	< 0.01	< 10	< 10	5	< 10	20
316235	205	226	< 1	< 0.01	2	2770	20	< 2	< 1	48	< 0.01	< 10	< 10	5	< 10	10
316236	205	226	< 1	< 0.01	3	3770	26	2	< 1	65	< 0.01	< 10	< 10	5	< 10	10
316237	205	226	< 1	< 0.01	3	2900	3060	6	< 1	106	< 0.01	< 10	< 10	8	< 10	18
316238	205	226	< 1	< 0.01	3	4140	958	2	< 1	76	< 0.01	< 10	< 10	10	< 10	24
316239	205	226	< 1	< 0.01	1	4030	54	2	< 1	66	< 0.01	< 10	< 10	6	< 10	14
316240	205	226	< 1	< 0.01	2	1520	86	2	< 1	48	< 0.01	< 10	< 10	6	< 10	12

CERTIFICATION: Stan Bichler

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CORRECTED COPY

CERTIFICATE OF ANALYSIS A9630358

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
316241	205	226	< 5	0.2	0.04	< 2	< 10	< 0.5	< 2	7.54	< 0.5	< 1	69	1	0.24	< 10	< 1	0.02	< 10	4.34	120
316242	205	226	< 5	0.8	0.05	< 2	< 10	< 0.5	< 2	10.70	< 0.5	< 1	37	< 1	0.22	< 10	< 1	0.03	< 10	6.21	125
316243	205	226	< 5	1.0	0.02	< 2	< 10	< 0.5	< 2	12.05	< 0.5	< 1	24	< 1	0.24	< 10	1	0.01	< 10	7.43	185
316244	205	226	< 5	0.8	0.03	< 2	< 10	< 0.5	< 2	>15.00	< 0.5	< 1	5	< 1	0.39	< 10	1	0.01	< 10	9.40	210
316245	205	226	< 5	0.6	0.11	14	10	< 0.5	< 2	13.50	< 0.5	3	7	6	1.96	< 10	1	0.07	< 10	7.64	370
316246	205	226	-----	0.6	0.07	< 2	< 10	< 0.5	< 2	14.75	< 0.5	2	1	2	1.47	< 10	< 1	0.05	< 10	8.02	550
316247	205	226	-----	0.6	0.05	2	< 10	< 0.5	< 2	14.00	< 0.5	2	1	2	1.62	< 10	< 1	0.02	< 10	7.52	550
316248	205	226	-----	0.4	0.10	4	< 10	< 0.5	< 2	>15.00	< 0.5	3	1	5	1.02	< 10	1	0.08	< 10	2.98	265
316249	205	226	-----	0.2	0.07	2	< 10	< 0.5	< 2	>15.00	< 0.5	3	1	4	0.74	< 10	1	0.06	< 10	1.72	215
316250	205	226	-----	0.2	0.05	4	< 10	< 0.5	< 2	>15.00	< 0.5	4	< 1	4	0.77	< 10	< 1	0.04	10	1.57	205

CERTIFICATION: Ian Bichler

FOR ICP ON SAMPLES 316161 THROUGH 316180

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: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Page Number :7-B
Total Pages :7
Certificate Date: 09-SEP-96
Invoice No. :19630358
P.O. Number :
Account :EIA

Project : SB 96-01
Comments: ATTN: JIM LEHTINEN CC: STAN STRICKER

CORRECTED COPY

CERTIFICATE OF ANALYSIS A9630358

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
316241	205	226	< 1	< 0.01	3	2580	42	2	< 1	39	< 0.01	< 10	< 10	8	< 10	6
316242	205	226	< 1	< 0.01	3	7020	154	< 2	< 1	65	< 0.01	< 10	< 10	6	< 10	20
316243	205	226	< 1	< 0.01	1	2110	700	< 2	< 1	61	< 0.01	< 10	< 10	7	< 10	16
316244	205	226	< 1	< 0.01	3	410	200	2	< 1	100	< 0.01	< 10	< 10	8	< 10	12
316245	205	226	< 1	< 0.01	13	370	100	2	1	67	< 0.01	< 10	< 10	7	< 10	10
316246	205	226	< 1	< 0.01	6	100	86	2	< 1	89	< 0.01	< 10	< 10	1	< 10	10
316247	205	226	< 1	< 0.01	6	80	84	2	< 1	71	< 0.01	< 10	< 10	1	< 10	10
316248	205	226	< 1	< 0.01	7	110	32	2	< 1	180	< 0.01	< 10	< 10	1	< 10	8
316249	205	226	< 1	< 0.01	5	100	12	2	< 1	184	< 0.01	< 10	< 10	< 1	< 10	6
316250	205	226	< 1	< 0.01	6	110	10	< 2	1	377	< 0.01	< 10	< 10	< 1	< 10	10

CERTIFICATION: Stuart Bichler

FOR ICP ON SAMPLES 316161 THROUGH 316180

Chemex Labs Ltd.

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212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
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To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : SB 96-01
Comments: ATTN: JIN LEHTINEN CC: STAN STRICKER

Certificate Date: 09-SEP-96
Invoice No. :I9630361
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9630361

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
316251	205	226	< 5	1.6	0.03	< 2	10	< 0.5	< 2	5.96	8.5	1	89	53	0.48	< 10	< 1	0.01	< 10	2.65	95
316252	205	226	< 5	0.2	0.02	< 2	< 10	< 0.5	< 2	5.09	1.5	1	149	13	0.29	< 10	< 1	< 0.01	< 10	2.57	75
316253	205	226	< 5	0.4	0.01	< 2	< 10	< 0.5	< 2	5.25	1.5	1	145	9	0.28	< 10	< 1	0.01	< 10	2.95	105
316254	205	226	< 5	0.2	0.01	< 2	< 10	< 0.5	< 2	6.39	1.5	1	140	1	0.28	< 10	< 1	< 0.01	< 10	3.72	125
316255	205	226	< 5	0.2	0.01	< 2	< 10	< 0.5	< 2	5.59	0.5	1	121	3	0.24	< 10	< 1	< 0.01	< 10	3.04	85
316256	205	226	< 5	< 0.2	0.03	< 2	< 10	< 0.5	< 2	5.97	1.0	1	141	1	0.26	< 10	< 1	< 0.01	< 10	3.51	105
316257	205	226	< 5	< 0.2	0.01	< 2	< 10	< 0.5	< 2	4.38	0.5	1	110	2	0.24	< 10	< 1	< 0.01	< 10	2.27	75
316258	205	226	< 5	0.2	0.01	< 2	< 10	< 0.5	< 2	5.85	0.5	1	126	1	0.31	< 10	< 1	< 0.01	< 10	3.17	105
316259	205	226	< 5	0.2	0.02	< 2	< 10	< 0.5	< 2	5.46	0.5	2	157	1	0.38	< 10	< 1	< 0.01	< 10	2.89	125
316260	205	226	< 5	0.2	0.01	< 2	< 10	< 0.5	< 2	4.89	0.5	2	110	3	0.26	< 10	< 1	< 0.01	< 10	2.62	100
316261	205	226	< 5	< 0.2	< 0.01	< 2	< 10	< 0.5	< 2	5.89	0.5	1	114	1	0.28	< 10	< 1	< 0.01	< 10	3.63	110
316262	205	226	< 5	0.2	< 0.01	< 2	< 10	< 0.5	< 2	7.60	0.5	1	70	1	0.23	< 10	< 1	< 0.01	< 10	4.65	125
316263	205	226	< 5	< 0.2	< 0.01	< 2	< 10	< 0.5	< 2	6.54	< 0.5	< 1	92	1	0.23	< 10	1	< 0.01	< 10	4.02	95
316264	205	226	< 5	< 0.2	< 0.01	< 2	< 10	< 0.5	< 2	7.01	1.0	1	69	1	0.27	< 10	< 1	< 0.01	< 10	4.35	145
316265	205	226	< 5	< 0.2	0.01	< 2	< 10	< 0.5	< 2	6.94	0.5	1	122	1	0.33	< 10	< 1	< 0.01	< 10	4.26	125
316266	205	226	< 5	0.2	< 0.01	< 2	< 10	< 0.5	< 2	9.68	1.0	< 1	47	3	0.22	< 10	< 1	< 0.01	< 10	6.02	145
316267	205	226	< 5	0.2	< 0.01	< 2	< 10	< 0.5	< 2	7.73	0.5	1	94	1	0.28	< 10	< 1	< 0.01	< 10	4.75	135
316268	205	226	< 5	0.2	< 0.01	< 2	< 10	< 0.5	< 2	7.02	1.0	1	74	5	0.31	< 10	< 1	< 0.01	< 10	4.21	155
316269	205	226	< 5	0.2	0.02	< 2	< 10	< 0.5	< 2	8.45	0.5	1	92	1	0.27	< 10	< 1	< 0.01	< 10	4.61	130
316270	205	226	< 5	< 0.2	< 0.01	< 2	< 10	< 0.5	< 2	5.02	< 0.5	1	130	1	0.29	< 10	< 1	< 0.01	< 10	2.98	100
316271	205	226	< 5	0.2	< 0.01	< 2	< 10	< 0.5	< 2	5.86	2.0	2	118	1	0.31	< 10	< 1	< 0.01	< 10	3.39	125
316272	205	226	< 5	< 0.2	< 0.01	< 2	< 10	< 0.5	< 2	7.09	0.5	1	81	1	0.26	< 10	< 1	< 0.01	< 10	4.34	115
316273	205	226	< 5	< 0.2	0.01	2	20	< 0.5	< 2	8.74	5.0	7	97	1	0.78	< 10	1	< 0.01	< 10	2.88	380
316274	205	226	< 5	0.2	0.01	< 2	20	< 0.5	< 2	7.88	1.0	5	68	< 1	0.75	< 10	< 1	< 0.01	< 10	4.41	310
316275	205	226	< 5	0.2	0.01	< 2	10	< 0.5	< 2	10.40	1.0	5	55	1	0.73	< 10	1	< 0.01	< 10	6.35	335
316276	205	226	< 5	0.2	0.02	< 2	10	< 0.5	< 2	8.32	1.5	4	43	1	0.58	< 10	1	< 0.01	< 10	5.00	255
316277	205	226	-----	0.2	0.12	< 2	30	< 0.5	< 2	14.70	< 0.5	4	16	5	0.94	< 10	2	0.02	< 10	7.67	200
316278	205	226	-----	0.2	0.18	< 2	50	< 0.5	< 2	13.70	< 0.5	3	11	2	0.89	< 10	1	0.01	< 10	7.96	195
316279	205	226	-----	< 0.2	0.46	2	40	< 0.5	< 2	5.90	< 0.5	12	17	13	2.68	< 10	< 1	0.16	< 10	2.63	410
316280	205	226	-----	< 0.2	0.91	2	40	< 0.5	< 2	1.20	< 0.5	17	29	17	3.78	< 10	< 1	0.19	10	0.74	465
316281	205	226	-----	< 0.2	0.56	6	40	< 0.5	< 2	1.55	< 0.5	16	34	16	3.10	< 10	< 1	0.26	10	0.78	550
316282	205	226	-----	< 0.2	0.54	< 2	40	< 0.5	< 2	0.55	< 0.5	19	22	21	4.31	< 10	< 1	0.25	10	0.57	720
316283	205	226	-----	< 0.2	0.53	2	40	< 0.5	< 2	1.17	< 0.5	19	33	20	4.46	< 10	< 1	0.22	20	0.53	580
316284	205	226	-----	< 0.2	1.10	2	30	< 0.5	< 2	0.36	< 0.5	20	27	20	4.48	< 10	< 1	0.22	20	0.72	525
316285	205	226	-----	< 0.2	0.94	6	20	< 0.5	< 2	0.76	< 0.5	19	30	21	4.59	< 10	< 1	0.16	10	0.70	455
316286	205	226	-----	< 0.2	0.56	6	20	< 0.5	< 2	0.34	< 0.5	19	26	19	4.65	< 10	< 1	0.14	10	0.67	495
316287	205	226	-----	< 0.2	1.06	2	10	< 0.5	< 2	0.46	< 0.5	19	31	20	5.00	< 10	< 1	0.14	< 10	0.95	490
316288	205	226	-----	< 0.2	1.08	< 2	20	< 0.5	< 2	0.22	< 0.5	21	30	22	5.13	< 10	< 1	0.16	< 10	0.93	495
316289	205	226	-----	< 0.2	0.69	2	30	< 0.5	< 2	2.20	< 0.5	17	30	24	3.73	< 10	< 1	0.15	< 10	1.02	425
316290	205	226	-----	< 0.2	0.34	14	60	< 0.5	< 2	6.88	< 0.5	9	19	31	2.02	< 10	< 1	0.16	< 10	0.93	190

CERTIFICATION: Stan Stricker

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CERTIFICATE OF ANALYSIS A9630361

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
316251	205	226	1	< 0.01	8	7870	110	2	< 1	24	< 0.01	< 10	< 10	6	< 10	938
316252	205	226	< 1	< 0.01	7	4200	8	< 2	< 1	19	< 0.01	< 10	< 10	4	< 10	148
316253	205	226	1	< 0.01	10	2380	10	< 2	< 1	18	< 0.01	< 10	< 10	6	< 10	142
316254	205	226	< 1	< 0.01	12	2070	< 2	< 2	< 1	23	< 0.01	< 10	< 10	7	< 10	70
316255	205	226	1	< 0.01	9	3000	2	< 2	< 1	21	< 0.01	< 10	< 10	5	< 10	80
316256	205	226	1	0.01	11	1610	< 2	< 2	< 1	20	< 0.01	< 10	< 10	5	< 10	58
316257	205	226	1	< 0.01	9	2810	2	2	< 1	17	< 0.01	< 10	< 10	3	< 10	66
316258	205	226	1	< 0.01	10	2550	< 2	2	< 1	20	< 0.01	< 10	< 10	3	< 10	66
316259	205	226	1	< 0.01	15	3590	< 2	2	< 1	20	< 0.01	< 10	< 10	4	< 10	102
316260	205	226	1	< 0.01	11	2340	< 2	2	< 1	16	< 0.01	< 10	< 10	3	< 10	56
316261	205	226	< 1	< 0.01	11	420	< 2	2	< 1	17	< 0.01	< 10	< 10	3	< 10	66
316262	205	226	< 1	< 0.01	9	790	< 2	< 2	< 1	24	< 0.01	< 10	< 10	4	< 10	52
316263	205	226	< 1	< 0.01	5	120	< 2	< 2	< 1	19	< 0.01	< 10	< 10	3	< 10	30
316264	205	226	< 1	< 0.01	12	90	< 2	2	< 1	22	< 0.01	< 10	< 10	4	< 10	74
316265	205	226	< 1	< 0.01	10	350	< 2	2	< 1	18	< 0.01	< 10	< 10	4	< 10	66
316266	205	226	< 1	< 0.01	8	810	< 2	2	< 1	28	< 0.01	< 10	< 10	5	< 10	56
316267	205	226	< 1	< 0.01	9	690	< 2	2	< 1	22	< 0.01	< 10	< 10	4	< 10	64
316268	205	226	< 1	< 0.01	13	830	< 2	< 2	< 1	21	< 0.01	< 10	< 10	4	< 10	82
316269	205	226	< 1	< 0.01	10	5180	< 2	2	< 1	28	< 0.01	< 10	< 10	5	< 10	66
316270	205	226	1	< 0.01	9	500	< 2	2	< 1	17	< 0.01	< 10	< 10	3	< 10	58
316271	205	226	< 1	< 0.01	15	270	< 2	< 2	< 1	17	< 0.01	< 10	< 10	3	< 10	110
316272	205	226	< 1	< 0.01	9	470	< 2	< 2	< 1	22	< 0.01	< 10	< 10	3	< 10	72
316273	205	226	< 1	< 0.01	48	590	< 2	2	< 1	17	< 0.01	< 10	< 10	7	< 10	528
316274	205	226	< 1	< 0.01	37	920	< 2	2	< 1	26	< 0.01	< 10	< 10	7	< 10	364
316275	205	226	< 1	< 0.01	34	660	< 2	2	< 1	40	< 0.01	< 10	< 10	7	< 10	332
316276	205	226	< 1	< 0.01	31	1740	< 2	6	< 1	34	< 0.01	< 10	< 10	6	< 10	274
316277	205	226	< 1	< 0.01	11	170	6	2	3	136	< 0.01	< 10	< 10	9	< 10	30
316278	205	226	< 1	< 0.01	15	100	2	2	2	134	< 0.01	< 10	< 10	10	< 10	38
316279	205	226	1	< 0.01	26	280	< 2	< 2	2	65	< 0.01	< 10	< 10	4	< 10	36
316280	205	226	3	< 0.01	39	390	< 2	< 2	1	32	< 0.01	< 10	< 10	8	< 10	66
316281	205	226	2	< 0.01	32	340	2	< 2	2	41	< 0.01	< 10	< 10	6	< 10	28
316282	205	226	1	< 0.01	41	340	6	< 2	1	20	< 0.01	< 10	< 10	7	< 10	56
316283	205	226	3	< 0.01	41	310	10	< 2	1	18	< 0.01	< 10	< 10	9	< 10	84
316284	205	226	2	< 0.01	45	330	12	< 2	1	12	< 0.01	< 10	< 10	9	< 10	100
316285	205	226	2	< 0.01	43	290	8	< 2	1	11	< 0.01	< 10	< 10	9	< 10	98
316286	205	226	1	< 0.01	43	270	20	< 2	1	10	< 0.01	< 10	< 10	9	< 10	92
316287	205	226	2	< 0.01	44	290	8	< 2	1	11	< 0.01	< 10	< 10	9	< 10	102
316288	205	226	1	< 0.01	50	280	6	< 2	1	10	< 0.01	< 10	< 10	9	< 10	94
316289	205	226	6	< 0.01	40	360	6	< 2	1	31	< 0.01	< 10	< 10	8	< 10	86
316290	205	226	9	< 0.01	36	510	16	2	1	70	< 0.01	< 10	< 10	16	< 10	62

CERTIFICATION: Stewart Bichlmaier

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CERTIFICATE OF ANALYSIS A9630361

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
316291	205	226	-----	< 0.2	0.29	12	70	< 0.5	< 2	6.17	0.5	10	36	23	2.06	< 10	< 1	0.14	< 10	1.08	180
316292	205	226	-----	< 0.2	0.34	10	40	< 0.5	< 2	5.81	< 0.5	12	35	27	2.28	< 10	< 1	0.13	< 10	1.10	240
316293	205	226	-----	< 0.2	0.40	14	80	< 0.5	< 2	6.61	< 0.5	9	53	25	1.78	< 10	< 1	0.21	10	0.92	160
316294	205	226	-----	0.2	0.29	32	70	< 0.5	< 2	7.48	0.5	9	37	55	2.92	< 10	< 1	0.17	10	0.81	145
316295	205	226	-----	< 0.2	0.30	10	80	< 0.5	< 2	7.21	0.5	9	36	31	1.84	< 10	1	0.18	10	0.99	150
316296	205	226	-----	0.2	0.39	16	110	< 0.5	< 2	6.72	< 0.5	11	43	33	1.89	< 10	2	0.23	20	0.79	135
316297	205	226	-----	0.2	0.24	10	80	< 0.5	< 2	12.05	< 0.5	7	34	21	1.29	< 10	1	0.15	10	0.74	150
316298	205	226	-----	0.2	0.13	18	60	< 0.5	< 2	>15.00	< 0.5	5	21	14	0.93	< 10	3	0.08	< 10	0.50	180
316299	205	226	-----	0.4	0.11	12	50	< 0.5	< 2	>15.00	< 0.5	3	9	7	0.69	< 10	2	0.05	< 10	3.44	280
316300	205	226	-----	0.6	0.03	< 2	10	< 0.5	< 2	>15.00	< 0.5	< 1	3	< 1	1.23	< 10	3	< 0.01	< 10	7.85	735
316301	205	226	-----	0.6	0.02	< 2	30	< 0.5	< 2	>15.00	< 0.5	< 1	3	1	1.48	< 10	3	< 0.01	< 10	8.22	820
316302	205	226	-----	0.4	0.01	< 2	10	< 0.5	< 2	>15.00	< 0.5	< 1	1	< 1	1.16	< 10	2	< 0.01	< 10	7.03	665
316303	205	226	-----	43.0	0.01	< 2	10	< 0.5	< 2	>15.00	1.5	< 1	3	1	1.18	< 10	2	< 0.01	< 10	8.63	635
316304	205	226	-----	22.8	0.01	< 2	10	< 0.5	< 2	>15.00	0.5	< 1	2	1	1.32	< 10	3	< 0.01	< 10	8.60	705
316305	205	226	-----	1.0	0.05	< 2	50	< 0.5	< 2	>15.00	< 0.5	1	6	2	1.50	< 10	2	0.01	< 10	7.68	860
316306	205	226	-----	0.6	0.04	< 2	70	< 0.5	< 2	>15.00	< 0.5	< 1	3	< 1	0.67	< 10	3	0.01	< 10	7.50	395
316307	205	226	-----	0.8	0.03	< 2	40	< 0.5	< 2	>15.00	< 0.5	< 1	2	< 1	0.59	< 10	2	< 0.01	< 10	8.05	395
316308	205	226	-----	1.6	0.02	< 2	130	< 0.5	< 2	>15.00	1.0	< 1	4	< 1	0.56	< 10	4	< 0.01	< 10	9.14	390
316309	205	226	-----	0.8	0.02	< 2	30	< 0.5	< 2	>15.00	< 0.5	< 1	3	< 1	0.49	< 10	3	< 0.01	< 10	9.57	365
316310	205	226	-----	1.0	0.01	< 2	50	< 0.5	< 2	>15.00	< 0.5	< 1	3	< 1	0.46	< 10	2	< 0.01	< 10	8.68	355
316311	205	226	-----	0.6	0.05	< 2	120	< 0.5	< 2	>15.00	< 0.5	< 1	5	< 1	0.71	< 10	3	< 0.01	< 10	7.85	430
316312	205	226	-----	0.6	0.05	2	80	< 0.5	< 2	>15.00	< 0.5	1	1	< 1	0.48	< 10	2	0.03	< 10	4.56	400
316313	205	226	-----	0.6	0.01	< 2	120	< 0.5	< 2	>15.00	0.5	< 1	3	1	0.72	< 10	3	< 0.01	< 10	8.46	440
316314	205	226	-----	0.6	0.01	< 2	80	< 0.5	< 2	>15.00	< 0.5	1	1	3	1.03	< 10	2	< 0.01	< 10	9.32	660
316315	205	226	-----	0.4	< 0.01	< 2	30	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	0.45	< 10	2	< 0.01	< 10	9.20	345
316316	205	226	-----	1.0	< 0.01	< 2	10	< 0.5	< 2	>15.00	< 0.5	< 1	1	< 1	0.88	< 10	2	< 0.01	< 10	7.95	480
316317	205	226	-----	0.4	< 0.01	< 2	20	< 0.5	< 2	>15.00	< 0.5	< 1	1	< 1	0.25	< 10	1	< 0.01	< 10	9.64	280
316318	205	226	-----	0.4	< 0.01	< 2	80	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	0.46	< 10	2	< 0.01	< 10	9.45	375
316319	205	226	-----	0.6	< 0.01	< 2	60	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	0.38	< 10	2	< 0.01	< 10	9.50	335
316320	205	226	-----	0.4	< 0.01	< 2	1730	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	0.44	< 10	1	< 0.01	< 10	9.95	325
316321	205	226	-----	0.4	< 0.01	< 2	170	< 0.5	< 2	>15.00	2.0	< 1	< 1	< 1	0.65	< 10	1	< 0.01	< 10	10.35	460
316322	205	226	-----	0.8	< 0.01	< 2	400	< 0.5	< 2	>15.00	19.0	< 1	1	3	1.10	< 10	10	< 0.01	< 10	10.00	645
316323	205	226	-----	0.6	< 0.01	< 2	170	< 0.5	< 2	>15.00	6.5	< 1	2	< 1	0.66	< 10	4	< 0.01	< 10	10.00	410
316324	205	226	-----	0.6	< 0.01	< 2	80	< 0.5	< 2	>15.00	1.5	< 1	1	< 1	0.95	< 10	3	< 0.01	< 10	9.28	500
316325	205	226	-----	0.6	< 0.01	< 2	10	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	0.24	< 10	1	< 0.01	< 10	10.05	210
316326	205	226	-----	0.6	< 0.01	< 2	< 10	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	0.36	< 10	2	< 0.01	< 10	9.58	320
316327	205	226	-----	0.6	< 0.01	< 2	10	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	0.57	< 10	1	< 0.01	< 10	10.20	345
316328	205	226	-----	0.4	< 0.01	< 2	10	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	0.53	< 10	2	< 0.01	< 10	10.75	385
316329	205	226	-----	0.6	< 0.01	< 2	30	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	0.67	< 10	1	< 0.01	< 10	9.63	500
316330	205	226	-----	0.4	0.01	< 2	< 10	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	0.42	< 10	2	< 0.01	< 10	9.50	310

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: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : SB 96-01
Comments: ATTN: JIN LEHTINEN CC: STAN STRICKER

Certificate Date: 09-SEP-96
Invoice No. : I9630361
P.O. Number :
Account : EIA

CERTIFICATE OF ANALYSIS A9630361

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
316291	205	226	8	< 0.01	37	640	10	2	1	68	< 0.01	< 10	< 10	13	< 10	62
316292	205	226	8	< 0.01	40	530	12	< 2	1	60	< 0.01	< 10	< 10	12	< 10	68
316293	205	226	7	< 0.01	36	530	8	2	1	56	< 0.01	< 10	< 10	16	< 10	32
316294	205	226	8	< 0.01	46	410	26	2	1	61	< 0.01	< 10	< 10	13	< 10	84
316295	205	226	8	< 0.01	39	530	10	2	1	79	< 0.01	< 10	< 10	21	< 10	86
316296	205	226	7	< 0.01	39	490	14	2	1	53	< 0.01	< 10	< 10	13	< 10	50
316297	205	226	2	< 0.01	22	430	14	2	< 1	66	< 0.01	< 10	< 10	7	< 10	32
316298	205	226	4	< 0.01	27	310	22	2	< 1	78	< 0.01	< 10	< 10	8	< 10	74
316299	205	226	< 1	< 0.01	18	1410	84	6	< 1	109	< 0.01	< 10	< 10	7	< 10	54
316300	205	226	< 1	< 0.01	4	1270	616	2	< 1	91	< 0.01	< 10	< 10	10	< 10	20
316301	205	226	< 1	< 0.01	3	750	302	2	< 1	94	< 0.01	< 10	< 10	5	< 10	84
316302	205	226	< 1	< 0.01	2	890	280	2	< 1	84	< 0.01	< 10	< 10	4	< 10	42
316303	205	226	< 1	< 0.01	1	1370	>10000	44	< 1	80	< 0.01	< 10	< 10	5	< 10	14
316304	205	226	< 1	< 0.01	1	1340	>10000	24	< 1	81	< 0.01	< 10	< 10	5	< 10	14
316305	205	226	< 1	< 0.01	16	2270	1260	8	< 1	79	< 0.01	< 10	< 10	10	< 10	76
316306	205	226	< 1	< 0.01	13	2200	518	4	< 1	75	< 0.01	< 10	< 10	9	< 10	64
316307	205	226	< 1	< 0.01	7	3700	276	6	< 1	99	< 0.01	< 10	< 10	7	< 10	56
316308	205	226	< 1	< 0.01	10	1760	246	2	< 1	99	< 0.01	< 10	< 10	5	< 10	140
316309	205	226	< 1	< 0.01	6	1180	116	4	< 1	88	< 0.01	< 10	< 10	5	< 10	80
316310	205	226	< 1	< 0.01	9	1410	198	10	< 1	141	< 0.01	< 10	< 10	6	< 10	104
316311	205	226	< 1	< 0.01	18	2900	318	8	< 1	126	< 0.01	< 10	< 10	10	< 10	202
316312	205	226	< 1	< 0.01	15	100	242	10	< 1	91	< 0.01	< 10	< 10	3	< 10	182
316313	205	226	< 1	< 0.01	13	120	172	8	< 1	68	< 0.01	< 10	< 10	7	< 10	236
316314	205	226	< 1	< 0.01	12	80	160	8	< 1	70	< 0.01	< 10	< 10	4	< 10	178
316315	205	226	< 1	< 0.01	1	30	14	2	< 1	63	< 0.01	< 10	< 10	4	< 10	42
316316	205	226	< 1	< 0.01	10	120	32	4	< 1	65	< 0.01	< 10	< 10	5	< 10	76
316317	205	226	< 1	< 0.01	3	30	14	2	< 1	58	< 0.01	< 10	< 10	6	< 10	86
316318	205	226	< 1	< 0.01	4	40	22	4	< 1	55	< 0.01	< 10	< 10	5	< 10	124
316319	205	226	< 1	< 0.01	3	10	4	2	< 1	46	< 0.01	< 10	< 10	3	< 10	50
316320	205	226	< 1	< 0.01	1	30	16	4	< 1	60	< 0.01	< 10	< 10	3	< 10	98
316321	205	226	< 1	< 0.01	1	20	8	4	< 1	57	< 0.01	< 10	< 10	1	< 10	338
316322	205	226	< 1	< 0.01	< 1	20	188	2	< 1	53	< 0.01	< 10	< 10	1	< 10	5050
316323	205	226	< 1	< 0.01	3	30	56	6	< 1	55	< 0.01	< 10	< 10	4	< 10	1440
316324	205	226	< 1	< 0.01	6	40	52	6	< 1	52	< 0.01	< 10	< 10	5	< 10	394
316325	205	226	< 1	< 0.01	1	10	< 2	< 2	< 1	44	< 0.01	< 10	< 10	2	< 10	50
316326	205	226	< 1	< 0.01	5	10	8	2	< 1	55	< 0.01	< 10	< 10	5	< 10	110
316327	205	226	< 1	< 0.01	1	10	< 2	2	< 1	62	< 0.01	< 10	< 10	3	< 10	54
316328	205	226	< 1	< 0.01	5	20	2	2	< 1	61	< 0.01	< 10	< 10	2	< 10	68
316329	205	226	< 1	< 0.01	8	70	28	4	< 1	57	< 0.01	< 10	< 10	1	< 10	192
316330	205	226	< 1	< 0.01	4	150	24	4	< 1	60	< 0.01	< 10	< 10	1	< 10	132

CERTIFICATION: Stan Bichler

Chemex Labs Ltd.

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212 Brooksbank Ave., North Vancouver
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VANCOUVER, BC
V6B 1N2

Project : SB 96-01
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Page Number :3-A
Total Pages :7
Certificate Date: 09-SEP-96
Invoice No. :I9630361
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Account :EIA

CERTIFICATE OF ANALYSIS A9630361

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
316331	205	226	-----	< 0.2	0.01	< 2	10	< 0.5	< 2	>15.00	1.5	< 1	< 1	< 1	0.51	< 10	< 1	< 0.01	< 10	8.35	360
316332	205	226	-----	< 0.2	0.01	< 2	< 10	< 0.5	< 2	>15.00	0.5	< 1	< 1	< 1	0.62	< 10	< 1	< 0.01	< 10	8.80	380
316333	205	226	-----	< 0.2	< 0.01	< 2	< 10	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	0.51	< 10	< 1	< 0.01	< 10	9.18	345
316334	205	226	-----	< 0.2	< 0.01	< 2	10	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	0.41	< 10	< 1	< 0.01	< 10	9.20	305
316335	205	226	-----	< 0.2	0.01	< 2	< 10	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	0.43	< 10	< 1	< 0.01	< 10	9.47	315
316336	205	226	-----	< 0.2	0.01	< 2	< 10	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	0.94	< 10	< 1	< 0.01	< 10	8.99	495
316337	205	226	-----	2.6	0.01	2	< 10	< 0.5	< 2	>15.00	>100.0	1	< 1	19	1.40	< 10	30	< 0.01	< 10	8.51	600
316338	205	226	-----	0.2	0.01	< 2	< 10	< 0.5	< 2	>15.00	1.5	< 1	< 1	< 1	0.64	< 10	< 1	< 0.01	< 10	9.12	465
316339	205	226	-----	0.2	0.01	< 2	< 10	< 0.5	< 2	>15.00	1.0	< 1	< 1	< 1	0.60	< 10	1	< 0.01	< 10	9.32	425
316340	205	226	-----	0.2	0.01	< 2	< 10	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	0.69	< 10	< 1	< 0.01	< 10	9.53	465
316341	205	226	-----	< 0.2	< 0.01	< 2	< 10	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	0.54	< 10	< 1	< 0.01	< 10	9.08	400
316342	205	226	-----	< 0.2	< 0.01	< 2	10	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	0.83	< 10	< 1	< 0.01	< 10	9.21	525
316343	205	226	-----	< 0.2	0.01	< 2	10	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	0.55	< 10	< 1	< 0.01	< 10	9.44	395
316344	205	226	-----	< 0.2	0.01	< 2	20	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	0.34	< 10	< 1	< 0.01	< 10	7.90	310
316345	205	226	-----	< 0.2	< 0.01	< 2	60	< 0.5	< 2	>15.00	< 0.5	< 1	1	< 1	0.50	< 10	< 1	< 0.01	< 10	8.10	405
316346	205	226	-----	< 0.2	< 0.01	< 2	20	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	0.22	< 10	1	< 0.01	< 10	9.48	240
316347	205	226	-----	< 0.2	0.01	2	30	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	0.36	< 10	< 1	< 0.01	< 10	9.29	310
316348	205	226	-----	< 0.2	0.01	< 2	40	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	0.45	< 10	< 1	< 0.01	< 10	9.18	375
316349	205	226	-----	< 0.2	0.01	< 2	50	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	0.44	< 10	< 1	< 0.01	< 10	8.33	360
316350	205	226	-----	< 0.2	0.01	< 2	50	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	0.51	< 10	< 1	< 0.01	< 10	7.69	380
316351	205	226	-----	0.4	0.01	4	60	< 0.5	< 2	>15.00	< 0.5	< 1	1	< 1	0.51	< 10	< 1	< 0.01	< 10	6.99	355
316352	205	226	-----	0.2	0.01	< 2	40	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	0.34	< 10	< 1	< 0.01	< 10	7.72	330
316353	205	226	-----	0.2	0.01	< 2	20	< 0.5	< 2	>15.00	< 0.5	3	< 1	< 1	0.99	< 10	< 1	< 0.01	< 10	6.81	555
316354	205	226	-----	< 0.2	0.01	< 2	10	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	0.93	< 10	< 1	< 0.01	< 10	7.61	515
316355	205	226	-----	0.2	0.02	2	170	< 0.5	< 2	>15.00	< 0.5	< 1	2	< 1	1.14	< 10	< 1	< 0.01	< 10	6.80	575
316356	205	226	-----	0.2	0.01	6	250	< 0.5	< 2	>15.00	< 0.5	4	3	< 1	1.26	< 10	< 1	< 0.01	< 10	6.96	640
316357	205	226	-----	0.2	0.01	8	270	< 0.5	< 2	>15.00	< 0.5	1	3	< 1	0.97	< 10	1	< 0.01	< 10	6.46	535
316358	205	226	-----	0.4	0.01	22	780	< 0.5	< 2	>15.00	0.5	18	7	< 1	2.87	< 10	< 1	< 0.01	< 10	6.74	1045
316359	205	226	-----	0.2	< 0.01	< 2	60	< 0.5	< 2	>15.00	< 0.5	3	< 1	< 1	0.57	< 10	< 1	< 0.01	< 10	3.99	515
316360	205	226	-----	0.2	0.01	2	80	< 0.5	< 2	>15.00	< 0.5	1	1	< 1	0.61	< 10	1	< 0.01	< 10	6.20	520
316361	205	226	-----	0.2	< 0.01	< 2	20	< 0.5	< 2	>15.00	< 0.5	< 1	1	< 1	0.29	< 10	< 1	< 0.01	< 10	2.79	495
316362	205	226	-----	0.2	0.01	< 2	50	< 0.5	< 2	>15.00	< 0.5	1	1	< 1	0.51	< 10	< 1	< 0.01	< 10	4.09	440
316363	205	226	-----	< 0.2	0.01	< 2	30	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	0.49	< 10	< 1	< 0.01	< 10	8.52	385
316364	205	226	-----	0.2	0.01	2	50	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	0.40	< 10	< 1	< 0.01	< 10	9.02	375
316365	205	226	-----	< 0.2	0.02	2	70	< 0.5	< 2	>15.00	< 0.5	1	1	< 1	0.27	< 10	< 1	< 0.01	< 10	7.24	345
316366	205	226	-----	< 0.2	0.01	< 2	100	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	0.36	< 10	< 1	< 0.01	< 10	5.49	370
316367	205	226	-----	0.2	0.01	2	110	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	0.70	< 10	< 1	< 0.01	< 10	7.34	465
316368	205	226	-----	< 0.2	0.01	2	10	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	0.96	< 10	< 1	< 0.01	< 10	8.36	510
316369	205	226	-----	0.2	0.01	< 2	50	< 0.5	< 2	>15.00	< 0.5	< 1	1	< 1	0.78	< 10	< 1	< 0.01	< 10	7.95	425
316370	205	226	-----	0.2	0.01	< 2	90	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	0.91	< 10	< 1	< 0.01	< 10	7.82	540

CERTIFICATION: Stan Stricker

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SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
316331	205	226	< 1	0.01	2	40	36	2	< 1	58	< 0.01	< 10	< 10	1	< 10	184
316332	205	226	< 1	0.01	1	< 10	12	< 2	< 1	43	< 0.01	< 10	< 10	1	< 10	108
316333	205	226	< 1	0.01	< 1	< 10	6	< 2	< 1	45	< 0.01	< 10	< 10	< 1	< 10	66
316334	205	226	< 1	0.02	1	< 10	2	2	< 1	40	< 0.01	< 10	< 10	< 1	< 10	58
316335	205	226	< 1	0.01	< 1	< 10	< 2	< 2	< 1	49	< 0.01	< 10	< 10	1	< 10	42
316336	205	226	< 1	0.02	< 1	< 10	14	< 2	< 1	41	< 0.01	< 10	< 10	1	< 10	64
316337	205	226	< 1	< 0.01	3	30	838	18	< 1	43	< 0.01	< 10	< 10	< 1	< 10	>10000
316338	205	226	< 1	0.01	3	10	104	2	< 1	69	< 0.01	< 10	< 10	2	< 10	260
316339	205	226	< 1	0.01	1	10	30	< 2	< 1	56	< 0.01	< 10	< 10	1	< 10	166
316340	205	226	< 1	0.01	4	10	10	2	< 1	49	< 0.01	< 10	< 10	1	< 10	78
316341	205	226	< 1	0.01	5	30	< 2	< 2	< 1	43	< 0.01	< 10	< 10	1	< 10	84
316342	205	226	< 1	0.01	3	50	< 2	< 2	< 1	48	< 0.01	< 10	< 10	1	< 10	40
316343	205	226	< 1	0.01	3	10	66	< 2	< 1	45	< 0.01	< 10	< 10	< 1	< 10	46
316344	205	226	< 1	0.01	3	10	4	< 2	< 1	45	< 0.01	< 10	< 10	1	< 10	78
316345	205	226	< 1	0.01	3	60	22	< 2	< 1	50	< 0.01	< 10	< 10	3	< 10	186
316346	205	226	< 1	0.02	1	80	< 2	< 2	< 1	46	< 0.01	< 10	< 10	1	< 10	40
316347	205	226	< 1	0.01	1	110	< 2	< 2	< 1	52	< 0.01	< 10	< 10	1	< 10	34
316348	205	226	< 1	0.01	5	40	6	< 2	< 1	52	< 0.01	< 10	< 10	1	< 10	112
316349	205	226	< 1	0.01	3	30	10	< 2	< 1	59	< 0.01	< 10	< 10	1	< 10	134
316350	205	226	< 1	0.01	4	60	2	< 2	< 1	48	< 0.01	< 10	< 10	1	< 10	90
316351	205	226	< 1	0.01	8	300	22	6	< 1	60	< 0.01	< 10	< 10	1	< 10	180
316352	205	226	< 1	0.01	3	40	8	< 2	< 1	63	< 0.01	< 10	< 10	1	< 10	100
316353	205	226	< 1	0.01	42	60	8	< 2	< 1	53	< 0.01	< 10	< 10	1	< 10	174
316354	205	226	< 1	0.02	3	60	< 2	2	< 1	57	< 0.01	< 10	< 10	3	< 10	34
316355	205	226	< 1	0.02	18	140	38	4	< 1	64	< 0.01	< 10	< 10	4	< 10	422
316356	205	226	< 1	0.02	44	230	30	8	< 1	56	< 0.01	< 10	< 10	8	< 10	548
316357	205	226	< 1	0.02	27	130	64	8	< 1	50	< 0.01	< 10	< 10	8	< 10	574
316358	205	226	1	0.02	198	550	58	18	< 1	49	< 0.01	< 10	< 10	10	< 10	1690
316359	205	226	< 1	0.01	39	140	20	2	< 1	79	< 0.01	< 10	< 10	2	< 10	298
316360	205	226	< 1	0.01	19	170	26	4	< 1	58	< 0.01	< 10	< 10	4	< 10	280
316361	205	226	< 1	0.01	7	110	14	< 2	< 1	85	< 0.01	< 10	< 10	3	< 10	118
316362	205	226	< 1	0.01	16	130	26	< 2	< 1	76	< 0.01	< 10	< 10	3	< 10	216
316363	205	226	< 1	0.02	3	120	24	< 2	< 1	42	< 0.01	< 10	< 10	2	< 10	62
316364	205	226	< 1	0.01	6	100	16	< 2	< 1	45	< 0.01	< 10	< 10	3	< 10	84
316365	205	226	< 1	0.01	15	100	18	< 2	< 1	59	< 0.01	< 10	< 10	4	< 10	150
316366	205	226	< 1	0.01	9	120	28	< 2	< 1	64	< 0.01	< 10	< 10	3	< 10	164
316367	205	226	< 1	0.01	4	50	10	< 2	< 1	53	< 0.01	< 10	< 10	4	< 10	82
316368	205	226	< 1	0.02	1	80	< 2	< 2	< 1	45	< 0.01	< 10	< 10	3	< 10	36
316369	205	226	< 1	0.02	4	40	8	< 2	< 1	50	< 0.01	< 10	< 10	1	< 10	72
316370	205	226	< 1	0.02	9	80	16	< 2	< 1	33	< 0.01	< 10	< 10	2	< 10	166

CERTIFICATION:

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: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : SB 96-01
Comments: ATTN: JIN LEHTINEN CC: STAN STRICKER

Page Number :4-A
Total Pages :7
Certificate Date: 09-SEP-96
Invoice No. :19630361
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9630361

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
316371	205	226	-----	0.2	0.02	< 2	80	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	0.97	< 10	< 1	< 0.01	< 10	8.39	520
316372	205	226	-----	0.2	0.02	< 2	100	< 0.5	< 2	>15.00	< 0.5	< 1	1	< 1	0.57	< 10	< 1	< 0.01	< 10	8.88	375
316373	205	226	-----	0.2	0.02	2	150	< 0.5	< 2	>15.00	< 0.5	1	3	< 1	0.88	< 10	< 1	< 0.01	< 10	7.92	460
316374	205	226	-----	< 0.2	0.01	< 2	40	< 0.5	< 2	>15.00	< 0.5	< 1	1	< 1	0.41	< 10	< 1	< 0.01	< 10	8.91	370
316375	205	226	-----	< 0.2	0.03	6	120	< 0.5	< 2	>15.00	< 0.5	1	1	< 1	0.57	< 10	< 1	< 0.01	< 10	8.60	520
316376	205	226	-----	0.2	0.01	< 2	40	< 0.5	< 2	>15.00	< 0.5	< 1	1	< 1	0.11	< 10	< 1	< 0.01	< 10	2.90	175
316377	205	226	-----	0.2	0.01	< 2	60	< 0.5	< 2	>15.00	< 0.5	< 1	1	< 1	0.15	< 10	< 1	< 0.01	< 10	1.58	230
316378	205	226	-----	< 0.2	0.03	2	90	< 0.5	< 2	>15.00	< 0.5	< 1	4	< 1	0.51	< 10	< 1	< 0.01	< 10	7.63	385
316379	205	226	-----	< 0.2	0.03	< 2	140	< 0.5	< 2	>15.00	< 0.5	< 1	2	< 1	0.70	< 10	< 1	< 0.01	< 10	8.40	520
316380	205	226	-----	< 0.2	0.01	< 2	70	< 0.5	< 2	>15.00	< 0.5	< 1	1	< 1	0.56	< 10	< 1	< 0.01	< 10	7.30	420
316381	205	226	-----	0.2	< 0.01	2	100	< 0.5	< 2	>15.00	< 0.5	< 1	1	< 1	0.28	< 10	< 1	< 0.01	< 10	1.45	625
316382	205	226	-----	< 0.2	0.03	< 2	40	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	0.61	< 10	< 1	< 0.01	< 10	9.02	425
316383	205	226	-----	< 0.2	0.02	< 2	< 10	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	0.83	< 10	< 1	< 0.01	< 10	9.00	590
316384	205	226	-----	0.6	0.05	< 2	30	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	3	0.67	< 10	< 1	0.01	< 10	9.14	430
316385	205	226	-----	0.2	0.02	< 2	< 10	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	0.67	< 10	< 1	< 0.01	< 10	7.66	490
316386	205	226	-----	0.2	0.04	2	< 10	< 0.5	< 2	>15.00	< 0.5	1	1	< 1	1.08	< 10	< 1	0.01	< 10	8.68	650
316387	205	226	-----	< 0.2	0.03	< 2	< 10	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	0.49	< 10	< 1	< 0.01	< 10	9.44	325
316388	205	226	-----	< 0.2	0.03	2	10	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	0.54	< 10	< 1	< 0.01	< 10	8.64	425
316389	205	226	-----	< 0.2	0.03	< 2	< 10	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	0.26	< 10	< 1	< 0.01	< 10	8.30	295
316390	205	226	-----	< 0.2	0.02	< 2	30	< 0.5	< 2	>15.00	< 0.5	< 1	1	< 1	0.27	< 10	< 1	< 0.01	< 10	8.64	300
316391	205	226	-----	< 0.2	0.03	< 2	40	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	0.27	< 10	< 1	< 0.01	< 10	8.63	255
316392	205	226	-----	0.2	0.08	< 2	50	< 0.5	< 2	>15.00	< 0.5	1	4	3	0.79	< 10	1	0.03	< 10	8.09	420
316393	205	226	-----	< 0.2	0.18	< 2	40	< 0.5	< 2	>15.00	< 0.5	4	6	7	1.94	< 10	< 1	0.06	< 10	7.60	560
316394	205	226	-----	0.2	0.09	4	10	< 0.5	< 2	>15.00	< 0.5	1	4	1	0.90	< 10	< 1	0.01	< 10	8.83	370
316395	205	226	-----	0.2	0.06	< 2	10	< 0.5	< 2	>15.00	< 0.5	1	3	1	1.03	< 10	< 1	0.01	< 10	8.85	340
316396	205	226	-----	< 0.2	0.08	< 2	50	< 0.5	< 2	>15.00	< 0.5	1	4	3	0.98	< 10	< 1	0.03	< 10	8.49	330
316397	205	226	-----	< 0.2	0.05	< 2	10	< 0.5	< 2	>15.00	< 0.5	1	2	1	0.80	< 10	< 1	0.01	< 10	7.41	415
316398	205	226	-----	< 0.2	0.02	2	40	< 0.5	< 2	>15.00	< 0.5	< 1	1	< 1	1.28	< 10	< 1	< 0.01	< 10	7.62	680
316399	205	226	-----	0.2	0.04	< 2	20	< 0.5	< 2	>15.00	< 0.5	< 1	1	< 1	0.86	< 10	< 1	0.01	< 10	8.84	595
316400	205	226	-----	0.2	0.06	< 2	20	< 0.5	< 2	>15.00	< 0.5	< 1	3	2	0.70	< 10	< 1	0.01	< 10	9.01	330
316401	205	226	-----	0.2	0.05	< 2	< 10	< 0.5	< 2	>15.00	< 0.5	< 1	2	< 1	0.97	< 10	< 1	0.01	< 10	8.92	360
316402	205	226	-----	0.6	0.11	4	< 10	< 0.5	< 2	>15.00	< 0.5	2	5	7	1.12	< 10	< 1	0.04	< 10	7.76	320
316403	205	226	-----	< 0.2	0.06	< 2	< 10	< 0.5	< 2	>15.00	< 0.5	< 1	1	< 1	0.42	< 10	1	0.02	< 10	9.06	280
316404	205	226	-----	0.2	0.10	< 2	10	< 0.5	< 2	>15.00	< 0.5	1	3	1090	0.61	< 10	< 1	0.04	< 10	8.94	345
316405	205	226	-----	0.2	0.05	< 2	10	< 0.5	< 2	>15.00	< 0.5	< 1	1	1	0.76	< 10	< 1	0.01	< 10	8.59	440
316406	205	226	-----	< 0.2	0.03	2	< 10	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	60	0.53	< 10	< 1	< 0.01	< 10	9.33	395
316407	205	226	-----	0.2	0.04	< 2	< 10	< 0.5	< 2	>15.00	< 0.5	< 1	1	< 1	0.80	< 10	1	< 0.01	< 10	8.77	450
316408	205	226	-----	0.2	0.05	4	10	< 0.5	< 2	>15.00	< 0.5	< 1	1	1	0.48	< 10	< 1	0.01	< 10	8.87	330
316409	205	226	-----	< 0.2	0.04	2	10	< 0.5	< 2	>15.00	< 0.5	1	1	< 1	0.86	< 10	< 1	0.01	< 10	8.43	480
316410	205	226	-----	0.2	0.05	2	20	< 0.5	< 2	>15.00	< 0.5	< 1	1	1	0.89	< 10	< 1	0.01	< 10	7.82	405

CERTIFICATION: Stan Bichler

Chemex Labs Ltd.

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To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : SB 96-01
Comments: ATTN: JIN LEHTINEN CC: STAN STRICKER

Certificate Date: 09-SEP-96
Invoice No. :I9630361
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9630361

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
316371	205	226	< 1	0.02	5	50	14	< 2	< 1	31	< 0.01	< 10	< 10	1	< 10	136
316372	205	226	< 1	0.02	8	70	32	2	< 1	36	< 0.01	< 10	< 10	1	< 10	210
316373	205	226	< 1	0.01	20	190	54	6	< 1	35	< 0.01	< 10	< 10	3	< 10	376
316374	205	226	< 1	0.02	8	100	18	< 2	< 1	37	< 0.01	< 10	< 10	2	< 10	142
316375	205	226	< 1	0.02	24	460	28	6	< 1	42	< 0.01	< 10	< 10	3	< 10	344
316376	205	226	< 1	0.01	7	200	16	2	< 1	157	< 0.01	< 10	< 10	3	< 10	102
316377	205	226	< 1	0.01	5	270	22	< 2	< 1	191	< 0.01	< 10	< 10	2	< 10	98
316378	205	226	< 1	0.01	10	140	18	2	< 1	48	< 0.01	< 10	< 10	4	< 10	212
316379	205	226	< 1	0.02	13	110	16	2	< 1	48	< 0.01	< 10	< 10	4	< 10	246
316380	205	226	< 1	0.02	6	40	14	2	< 1	45	< 0.01	< 10	< 10	3	< 10	190
316381	205	226	< 1	0.01	6	70	36	6	< 1	77	< 0.01	< 10	< 10	3	< 10	198
316382	205	226	< 1	0.03	1	30	2	< 2	< 1	63	< 0.01	< 10	< 10	4	< 10	42
316383	205	226	< 1	0.02	1	30	6	< 2	< 1	42	< 0.01	< 10	< 10	4	< 10	22
316384	205	226	< 1	0.02	3	70	186	< 2	< 1	42	< 0.01	< 10	< 10	3	< 10	18
316385	205	226	< 1	0.02	1	20	24	< 2	< 1	61	< 0.01	< 10	< 10	8	< 10	20
316386	205	226	< 1	0.03	4	200	4	< 2	< 1	50	< 0.01	< 10	< 10	17	< 10	14
316387	205	226	< 1	0.03	< 1	40	4	< 2	< 1	42	< 0.01	< 10	< 10	1	< 10	12
316388	205	226	< 1	0.02	2	50	2	< 2	< 1	47	< 0.01	< 10	< 10	2	< 10	24
316389	205	226	< 1	0.01	2	40	14	< 2	< 1	55	< 0.01	< 10	< 10	2	< 10	28
316390	205	226	< 1	0.02	4	50	10	2	< 1	61	< 0.01	< 10	< 10	3	< 10	68
316391	205	226	< 1	0.02	5	50	18	2	< 1	56	< 0.01	< 10	< 10	2	< 10	102
316392	205	226	< 1	0.02	27	110	28	< 2	< 1	68	< 0.01	< 10	< 10	4	< 10	268
316393	205	226	< 1	0.01	82	260	30	4	< 1	64	< 0.01	< 10	< 10	8	< 10	424
316394	205	226	< 1	0.02	29	150	22	2	< 1	69	< 0.01	< 10	< 10	6	< 10	140
316395	205	226	< 1	0.02	7	140	40	4	< 1	62	< 0.01	< 10	< 10	5	< 10	72
316396	205	226	< 1	0.02	10	200	34	2	< 1	57	< 0.01	< 10	< 10	6	< 10	286
316397	205	226	< 1	0.02	8	120	32	< 2	< 1	66	< 0.01	< 10	< 10	3	< 10	222
316398	205	226	< 1	0.01	10	50	48	< 2	< 1	56	< 0.01	< 10	< 10	5	< 10	436
316399	205	226	< 1	0.02	7	60	24	< 2	< 1	71	< 0.01	< 10	< 10	16	< 10	172
316400	205	226	< 1	0.02	7	120	26	2	< 1	69	< 0.01	< 10	< 10	6	< 10	212
316401	205	226	< 1	0.02	3	100	26	< 2	< 1	69	< 0.01	< 10	< 10	5	< 10	54
316402	205	226	< 1	0.02	9	220	40	< 2	< 1	85	< 0.01	< 10	< 10	7	< 10	74
316403	205	226	< 1	0.02	5	140	14	2	< 1	69	< 0.01	< 10	< 10	3	< 10	110
316404	205	226	< 1	0.03	7	200	18	< 2	< 1	57	< 0.01	< 10	< 10	5	< 10	142
316405	205	226	< 1	0.02	7	90	18	6	< 1	60	< 0.01	< 10	< 10	3	< 10	182
316406	205	226	< 1	0.02	3	40	10	2	< 1	69	< 0.01	< 10	< 10	3	< 10	80
316407	205	226	< 1	0.01	5	80	18	4	< 1	75	< 0.01	< 10	< 10	5	< 10	118
316408	205	226	< 1	0.02	5	150	22	6	< 1	45	< 0.01	< 10	< 10	6	< 10	130
316409	205	226	< 1	0.02	7	130	22	4	< 1	56	< 0.01	< 10	< 10	2	< 10	168
316410	205	226	< 1	0.02	7	130	52	8	< 1	56	< 0.01	< 10	< 10	3	< 10	266

CERTIFICATION:

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CERTIFICATE OF ANALYSIS A9630361

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
316411	205	226	-----	0.2	0.04	< 2	20	< 0.5	< 2	>15.00	< 0.5	1	1	< 1	0.82	< 10	< 1	0.01	< 10	7.44	385
316412	205	226	-----	0.4	0.05	< 2	10	< 0.5	< 2	>15.00	< 0.5	1	3	3	1.01	< 10	< 1	0.01	< 10	7.88	465
316413	205	226	-----	0.2	0.04	2	< 10	< 0.5	< 2	>15.00	< 0.5	< 1	2	< 1	1.35	< 10	< 1	0.01	< 10	8.69	585
316414	205	226	-----	< 0.2	0.01	< 2	< 10	< 0.5	< 2	>15.00	< 0.5	< 1	1	< 1	0.95	< 10	< 1	< 0.01	< 10	8.51	390
316415	205	226	-----	< 0.2	0.01	< 2	< 10	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	0.44	< 10	< 1	< 0.01	< 10	9.29	380
316416	205	226	-----	0.2	0.01	< 2	< 10	< 0.5	< 2	>15.00	< 0.5	< 1	1	< 1	0.53	< 10	< 1	< 0.01	< 10	8.07	405
316417	205	226	-----	0.2	0.01	< 2	10	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	0.80	< 10	< 1	< 0.01	< 10	8.37	480
316418	205	226	-----	< 0.2	0.01	< 2	< 10	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	0.50	< 10	< 1	< 0.01	< 10	8.62	385
316419	205	226	-----	0.2	< 0.01	< 2	< 10	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	0.25	< 10	< 1	< 0.01	< 10	1.70	225
316420	205	226	-----	0.2	< 0.01	< 2	< 10	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	0.14	< 10	< 1	< 0.01	< 10	0.66	160
316421	205	226	-----	0.2	< 0.01	< 2	< 10	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	0.12	< 10	< 1	< 0.01	< 10	0.32	125
316422	205	226	-----	0.2	< 0.01	< 2	< 10	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	0.10	< 10	< 1	< 0.01	< 10	0.29	100
316423	205	226	-----	0.2	0.01	< 2	< 10	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	0.14	< 10	< 1	< 0.01	< 10	0.25	120
316424	205	226	-----	0.2	< 0.01	< 2	< 10	< 0.5	< 2	>15.00	< 0.5	< 1	1	< 1	0.09	< 10	< 1	< 0.01	< 10	0.32	115
316425	205	226	-----	0.2	< 0.01	< 2	< 10	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	0.28	< 10	< 1	< 0.01	< 10	1.39	175
316426	205	226	-----	< 0.2	< 0.01	< 2	< 10	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	0.10	< 10	< 1	< 0.01	< 10	0.24	135
316427	205	226	-----	0.2	< 0.01	< 2	30	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	0.19	< 10	< 1	< 0.01	< 10	1.10	130
316428	205	226	-----	0.2	0.03	2	20	< 0.5	< 2	>15.00	< 0.5	< 1	1	1	0.63	< 10	< 1	0.01	< 10	2.95	260
316429	205	226	-----	0.2	0.02	2	20	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	0.57	< 10	< 1	< 0.01	< 10	4.44	295
316430	205	226	-----	0.2	0.02	< 2	< 10	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	0.99	< 10	< 1	< 0.01	< 10	8.11	615
316431	205	226	-----	0.2	< 0.01	< 2	< 10	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	0.40	< 10	< 1	< 0.01	< 10	2.97	275
316432	205	226	-----	0.2	0.03	2	10	< 0.5	< 2	>15.00	< 0.5	< 1	1	< 1	0.38	< 10	< 1	0.01	< 10	2.39	285
316433	205	226	-----	0.4	0.03	6	40	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	1.17	< 10	< 1	< 0.01	< 10	7.82	615
316434	205	226	-----	< 0.2	0.02	4	30	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	0.92	< 10	< 1	< 0.01	< 10	8.30	655
316435	205	226	-----	< 0.2	0.01	< 2	< 10	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	0.88	< 10	< 1	< 0.01	< 10	8.10	635
316436	205	226	-----	0.2	0.03	< 2	10	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	0.71	< 10	< 1	< 0.01	< 10	7.63	620
316437	205	226	-----	0.2	0.02	8	< 10	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	1.59	< 10	< 1	< 0.01	< 10	8.93	780
316438	205	226	-----	< 0.2	0.02	< 2	< 10	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	1.00	< 10	< 1	< 0.01	< 10	8.94	675
316439	205	226	-----	< 0.2	0.01	6	< 10	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	0.83	< 10	< 1	< 0.01	< 10	8.45	580
316440	205	226	-----	0.2	0.01	< 2	10	< 0.5	< 2	>15.00	< 0.5	1	< 1	< 1	0.93	< 10	< 1	< 0.01	< 10	8.51	675
316441	205	226	-----	< 0.2	0.02	< 2	< 10	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	0.65	< 10	< 1	< 0.01	< 10	8.90	520
316442	205	226	-----	0.2	0.03	2	< 10	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	0.69	< 10	< 1	< 0.01	< 10	9.87	545
316443	205	226	-----	< 0.2	0.02	< 2	< 10	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	0.63	< 10	< 1	< 0.01	< 10	8.20	480
316444	205	226	-----	< 0.2	0.03	< 2	< 10	< 0.5	< 2	>15.00	< 0.5	< 1	1	< 1	0.94	< 10	< 1	< 0.01	< 10	8.75	655
316445	205	226	-----	< 0.2	0.02	< 2	< 10	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	0.93	< 10	< 1	< 0.01	< 10	8.65	660
316446	205	226	-----	< 0.2	0.01	2	30	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	0.77	< 10	< 1	< 0.01	< 10	8.39	665
316447	205	226	-----	< 0.2	0.02	4	< 10	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	0.68	< 10	< 1	< 0.01	< 10	7.45	650
316448	205	226	-----	0.2	0.01	4	< 10	< 0.5	< 2	>15.00	< 0.5	1	< 1	< 1	0.99	< 10	< 1	< 0.01	< 10	8.48	745
316449	205	226	-----	< 0.2	0.02	6	10	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	0.96	< 10	< 1	< 0.01	< 10	7.96	785
316450	205	226	-----	< 0.2	0.02	< 2	30	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	0.72	< 10	< 1	< 0.01	< 10	8.18	710

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: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : SB 96-01
Comments: ATTN: JIN LEHTINEN CC: STAN STRICKER

Page Number :5-B
Total Pages :7
Certificate Date: 09-SEP-96
Invoice No. :I9630361
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9630361

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
316411	205	226	< 1	0.02	9	100	36	8	< 1	73	< 0.01	< 10	< 10	3	< 10	286
316412	205	226	< 1	0.01	7	150	32	2	< 1	65	< 0.01	< 10	< 10	4	< 10	168
316413	205	226	< 1	0.02	3	90	40	< 2	< 1	47	< 0.01	< 10	< 10	2	< 10	38
316414	205	226	< 1	0.02	2	10	22	< 2	< 1	45	< 0.01	< 10	< 10	< 1	< 10	26
316415	205	226	< 1	0.02	2	30	8	< 2	< 1	51	< 0.01	< 10	< 10	< 1	< 10	96
316416	205	226	< 1	0.02	5	10	22	2	< 1	45	< 0.01	< 10	< 10	< 1	< 10	240
316417	205	226	< 1	0.02	5	20	22	4	< 1	64	< 0.01	< 10	< 10	2	< 10	156
316418	205	226	< 1	0.02	4	30	16	2	< 1	48	< 0.01	< 10	< 10	1	< 10	118
316419	205	226	< 1	0.01	2	60	14	2	< 1	156	< 0.01	< 10	< 10	< 1	< 10	76
316420	205	226	< 1	0.01	1	50	18	2	< 1	289	< 0.01	< 10	< 10	1	< 10	42
316421	205	226	< 1	0.01	1	110	18	2	< 1	377	< 0.01	< 10	< 10	< 1	< 10	38
316422	205	226	< 1	0.01	3	170	16	< 2	< 1	489	< 0.01	< 10	< 10	< 1	< 10	42
316423	205	226	< 1	0.01	3	210	32	2	< 1	472	< 0.01	< 10	< 10	1	< 10	42
316424	205	226	< 1	0.01	2	130	94	< 2	< 1	473	< 0.01	< 10	< 10	< 1	< 10	48
316425	205	226	< 1	0.01	1	130	40	< 2	< 1	226	< 0.01	< 10	< 10	< 1	< 10	50
316426	205	226	< 1	0.01	1	90	32	< 2	< 1	228	< 0.01	< 10	< 10	< 1	< 10	42
316427	205	226	< 1	0.01	1	240	26	2	< 1	479	< 0.01	< 10	< 10	1	< 10	34
316428	205	226	< 1	0.01	3	410	62	2	< 1	161	< 0.01	< 10	< 10	1	< 10	48
316429	205	226	< 1	0.01	3	330	150	< 2	< 1	142	< 0.01	< 10	< 10	1	< 10	84
316430	205	226	< 1	0.02	1	260	46	< 2	< 1	73	< 0.01	< 10	< 10	1	< 10	50
316431	205	226	< 1	0.01	1	100	22	< 2	< 1	355	< 0.01	< 10	< 10	< 1	< 10	40
316432	205	226	< 1	0.01	5	150	40	6	< 1	257	< 0.01	< 10	< 10	1	< 10	152
316433	205	226	< 1	0.02	10	90	120	10	< 1	78	< 0.01	< 10	< 10	2	< 10	264
316434	205	226	< 1	0.02	8	100	78	4	< 1	91	< 0.01	< 10	< 10	4	< 10	154
316435	205	226	< 1	0.01	2	30	28	< 2	< 1	86	< 0.01	< 10	< 10	1	< 10	86
316436	205	226	< 1	0.02	11	40	90	2	< 1	75	< 0.01	< 10	< 10	6	< 10	514
316437	205	226	< 1	0.02	1	10	10	< 2	< 1	61	< 0.01	< 10	< 10	3	< 10	22
316438	205	226	< 1	0.02	5	20	8	< 2	< 1	110	< 0.01	< 10	< 10	9	< 10	100
316439	205	226	< 1	0.02	8	10	108	12	< 1	65	< 0.01	< 10	< 10	2	< 10	610
316440	205	226	< 1	0.02	12	20	122	6	< 1	111	< 0.01	< 10	< 10	5	< 10	666
316441	205	226	< 1	0.02	6	10	32	2	< 1	81	< 0.01	< 10	< 10	7	< 10	250
316442	205	226	< 1	0.03	9	20	10	< 2	< 1	78	< 0.01	< 10	< 10	6	< 10	56
316443	205	226	< 1	0.02	6	10	12	< 2	< 1	87	< 0.01	< 10	< 10	6	< 10	74
316444	205	226	< 1	0.02	7	10	14	< 2	< 1	86	< 0.01	< 10	< 10	4	< 10	56
316445	205	226	< 1	0.02	4	10	2	< 2	< 1	89	< 0.01	< 10	< 10	3	< 10	24
316446	205	226	< 1	0.03	1	< 10	< 2	< 2	< 1	80	< 0.01	< 10	< 10	3	< 10	16
316447	205	226	< 1	0.02	3	< 10	< 2	< 2	< 1	80	< 0.01	< 10	< 10	4	< 10	34
316448	205	226	< 1	0.02	32	10	< 2	2	< 1	83	< 0.01	< 10	< 10	5	< 10	52
316449	205	226	< 1	0.02	4	< 10	98	2	< 1	65	< 0.01	< 10	< 10	4	< 10	258
316450	205	226	< 1	0.02	4	10	170	< 2	< 1	56	< 0.01	< 10	< 10	6	< 10	346

CERTIFICATION: Stan Bichler

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Project : SB 96-01
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Page Number :6-A
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CERTIFICATE OF ANALYSIS A9630361

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
316451	205	226	-----	0.2	0.03	< 2	< 10	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	0.80	< 10	< 1	< 0.01	< 10	8.15	760
316452	205	226	-----	< 0.2	0.03	< 2	< 10	< 0.5	< 2	>15.00	< 0.5	< 1	1	< 1	0.62	< 10	< 1	< 0.01	< 10	8.72	505
316453	205	226	-----	< 0.2	0.03	< 2	< 10	< 0.5	< 2	>15.00	< 0.5	1	< 1	< 1	0.66	< 10	< 1	< 0.01	< 10	8.40	590
316454	205	226	-----	< 0.2	0.04	2	< 10	< 0.5	< 2	>15.00	< 0.5	< 1	4	< 1	0.61	< 10	< 1	0.01	< 10	9.15	500
316455	205	226	-----	0.2	0.05	< 2	90	< 0.5	< 2	>15.00	< 0.5	< 1	1	< 1	0.65	< 10	< 1	0.01	< 10	8.70	505
316456	205	226	-----	< 0.2	0.04	4	< 10	< 0.5	< 2	>15.00	< 0.5	1	2	< 1	0.99	< 10	1	< 0.01	< 10	8.22	660
316457	205	226	-----	0.2	0.04	< 2	10	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	0.92	< 10	< 1	< 0.01	< 10	8.24	665
316458	205	226	-----	< 0.2	0.38	16	140	< 0.5	< 2	14.20	< 0.5	3	20	4	1.31	< 10	< 1	0.15	< 10	7.04	420
316459	205	226	-----	< 0.2	0.49	16	130	< 0.5	< 2	2.03	< 0.5	14	65	18	3.66	< 10	< 1	0.27	10	1.14	570
316460	205	226	-----	< 0.2	0.49	12	190	< 0.5	< 2	1.67	< 0.5	16	85	22	4.48	< 10	< 1	0.28	10	1.09	680
316461	205	226	-----	< 0.2	0.55	12	460	< 0.5	< 2	1.85	< 0.5	9	176	10	3.14	< 10	< 1	0.25	10	1.14	640
316462	205	226	-----	< 0.2	0.66	32	90	< 0.5	< 2	0.54	< 0.5	16	187	14	1.21	< 10	< 1	0.28	20	0.21	115
316463	205	226	-----	< 0.2	0.51	8	80	< 0.5	< 2	1.07	< 0.5	14	226	7	1.20	< 10	< 1	0.26	20	0.39	235
316464	205	226	-----	< 0.2	0.52	26	60	< 0.5	< 2	0.37	< 0.5	15	180	9	2.87	< 10	< 1	0.24	20	0.32	420
316465	205	226	-----	< 0.2	0.41	6	40	< 0.5	< 2	0.32	< 0.5	9	192	5	3.75	< 10	< 1	0.21	20	0.62	920
316466	205	226	-----	< 0.2	0.45	8	50	< 0.5	< 2	0.31	< 0.5	12	195	9	2.69	< 10	< 1	0.22	20	0.39	560
316467	205	226	-----	< 0.2	0.79	10	70	< 0.5	< 2	0.53	< 0.5	10	380	9	2.00	< 10	< 1	0.36	30	0.32	405
316501	205	226	-----	< 0.2	0.13	< 2	10	< 0.5	< 2	>15.00	< 0.5	4	6	5	0.87	< 10	< 1	0.09	< 10	1.64	235
316502	205	226	-----	< 0.2	0.13	< 2	30	< 0.5	< 2	>15.00	< 0.5	7	6	6	1.06	< 10	< 1	0.10	< 10	1.20	290
316503	205	226	-----	< 0.2	0.09	< 2	820	< 0.5	< 2	>15.00	< 0.5	3	3	5	1.28	< 10	< 1	0.08	< 10	1.93	360
316504	205	226	-----	< 0.2	0.16	< 2	30	< 0.5	< 2	>15.00	< 0.5	4	3	6	1.28	< 10	< 1	0.12	10	2.05	420
316505	205	226	-----	< 0.2	0.20	< 2	30	< 0.5	< 2	>15.00	< 0.5	5	4	8	1.63	< 10	< 1	0.14	10	2.48	560
316506	205	226	-----	< 0.2	0.23	4	30	< 0.5	< 2	>15.00	< 0.5	8	4	9	1.88	< 10	< 1	0.16	< 10	2.00	615
316507	205	226	-----	< 0.2	0.54	2	50	< 0.5	< 2	4.64	< 0.5	17	24	20	2.61	< 10	< 1	0.29	10	1.62	465
316508	205	226	-----	< 0.2	0.93	< 2	50	< 0.5	< 2	1.39	< 0.5	17	30	19	3.59	< 10	< 1	0.28	10	0.74	440
316509	205	226	-----	< 0.2	1.21	< 2	40	< 0.5	< 2	0.52	< 0.5	18	29	20	4.18	< 10	< 1	0.22	20	0.83	720
316510	205	226	-----	< 0.2	1.41	< 2	50	< 0.5	< 2	0.34	< 0.5	19	34	22	4.71	< 10	< 1	0.30	20	0.84	780
316511	205	226	-----	< 0.2	1.75	< 2	30	< 0.5	< 2	0.13	< 0.5	20	30	25	4.66	< 10	< 1	0.23	30	0.87	580
316512	205	226	-----	< 0.2	1.97	2	40	< 0.5	< 2	0.12	< 0.5	20	36	22	5.00	< 10	< 1	0.26	20	0.94	485
316513	205	226	-----	< 0.2	1.28	< 2	30	< 0.5	< 2	0.25	< 0.5	22	29	23	5.56	< 10	< 1	0.18	10	1.00	975
316514	205	226	-----	< 0.2	1.59	< 2	50	< 0.5	< 2	0.33	< 0.5	19	45	21	4.79	< 10	< 1	0.28	20	0.96	600
316515	205	226	-----	< 0.2	1.76	< 2	30	< 0.5	< 2	0.18	< 0.5	20	35	21	4.55	< 10	< 1	0.18	20	0.94	480
316516	205	226	-----	< 0.2	2.00	< 2	30	< 0.5	< 2	0.10	< 0.5	20	35	22	4.55	< 10	< 1	0.25	30	0.92	515
316517	205	226	-----	< 0.2	2.10	6	30	< 0.5	< 2	0.10	< 0.5	20	35	24	4.84	< 10	< 1	0.21	30	0.97	510
316518	205	226	-----	< 0.2	2.27	< 2	40	< 0.5	< 2	0.10	< 0.5	20	37	23	5.12	< 10	< 1	0.28	30	0.99	510
316519	205	226	-----	< 0.2	2.00	4	30	< 0.5	< 2	0.11	< 0.5	20	38	23	4.76	< 10	< 1	0.21	30	0.96	480
316520	205	226	-----	< 0.2	2.19	2	40	< 0.5	< 2	0.09	< 0.5	20	36	25	5.08	< 10	1	0.27	40	0.98	620
316521	205	226	-----	< 0.2	1.79	< 2	10	< 0.5	< 2	0.09	< 0.5	21	32	25	4.92	< 10	< 1	0.07	30	0.94	505
316522	205	226	-----	< 0.2	1.96	4	40	< 0.5	< 2	0.09	< 0.5	20	34	26	4.79	< 10	< 1	0.30	40	0.89	510
316523	205	226	-----	< 0.2	1.57	< 2	50	< 0.5	< 2	0.14	< 0.5	19	34	25	5.06	< 10	1	0.27	30	0.90	590

CERTIFICATION: Ian Bichler

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SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
316451	205	226	< 1	0.02	3	40	154	< 2	< 1	70	< 0.01	< 10	< 10	5	< 10	224
316452	205	226	< 1	0.02	6	10	170	6	< 1	42	< 0.01	< 10	< 10	3	< 10	142
316453	205	226	< 1	0.02	11	20	448	6	< 1	59	< 0.01	< 10	< 10	4	< 10	410
316454	205	226	< 1	0.03	1	10	122	2	< 1	69	< 0.01	< 10	< 10	5	< 10	38
316455	205	226	< 1	0.02	4	30	230	< 2	< 1	71	< 0.01	< 10	< 10	9	< 10	112
316456	205	226	1	0.01	5	10	358	8	< 1	110	< 0.01	< 10	< 10	4	< 10	214
316457	205	226	< 1	0.01	6	110	312	2	< 1	192	< 0.01	< 10	< 10	9	< 10	232
316458	205	226	1	0.02	11	2120	52	2	1	168	< 0.01	< 10	< 10	15	< 10	36
316459	205	226	< 1	< 0.01	31	660	42	< 2	3	68	< 0.01	< 10	< 10	6	< 10	114
316460	205	226	1	< 0.01	34	650	10	< 2	3	99	< 0.01	< 10	< 10	6	< 10	106
316461	205	226	1	< 0.01	21	720	44	< 2	2	72	< 0.01	< 10	< 10	5	< 10	58
316462	205	226	1	0.01	38	430	276	2	1	32	< 0.01	< 10	< 10	10	< 10	50
316463	205	226	1	0.01	26	380	80	< 2	1	56	< 0.01	< 10	< 10	6	< 10	20
316464	205	226	1	0.01	40	790	50	2	1	27	< 0.01	< 10	< 10	9	< 10	68
316465	205	226	< 1	0.01	27	320	2	< 2	2	17	< 0.01	< 10	< 10	7	< 10	60
316466	205	226	1	0.01	29	560	10	< 2	1	18	< 0.01	< 10	< 10	8	< 10	44
316467	205	226	< 1	0.01	26	620	2	< 2	2	26	< 0.01	< 10	< 10	11	< 10	44
316501	205	226	< 1	0.01	8	130	6	< 2	1	323	< 0.01	< 10	< 10	1	< 10	26
316502	205	226	< 1	0.01	10	120	8	< 2	1	270	< 0.01	< 10	< 10	1	< 10	32
316503	205	226	< 1	0.01	9	120	18	< 2	1	417	< 0.01	< 10	< 10	< 1	< 10	22
316504	205	226	< 1	0.01	8	130	8	< 2	1	446	< 0.01	< 10	< 10	1	< 10	18
316505	205	226	< 1	0.01	11	170	8	< 2	1	442	< 0.01	< 10	< 10	1	< 10	22
316506	205	226	< 1	0.01	18	160	16	< 2	1	518	< 0.01	< 10	< 10	1	< 10	22
316507	205	226	1	0.01	49	330	10	< 2	2	94	< 0.01	< 10	< 10	5	< 10	22
316508	205	226	1	0.01	67	360	4	< 2	1	46	< 0.01	< 10	< 10	6	< 10	72
316509	205	226	1	< 0.01	41	350	10	< 2	1	23	< 0.01	< 10	< 10	6	< 10	90
316510	205	226	1	0.01	40	320	48	< 2	1	18	< 0.01	< 10	< 10	8	< 10	88
316511	205	226	< 1	0.01	46	330	8	< 2	1	13	< 0.01	< 10	< 10	8	< 10	92
316512	205	226	< 1	0.01	48	280	18	2	1	12	< 0.01	< 10	< 10	10	< 10	100
316513	205	226	1	< 0.01	48	290	42	< 2	1	14	< 0.01	< 10	< 10	9	< 10	108
316514	205	226	1	0.01	45	360	18	< 2	2	23	< 0.01	< 10	< 10	12	< 10	112
316515	205	226	< 1	< 0.01	44	360	14	< 2	1	16	< 0.01	< 10	< 10	9	< 10	106
316516	205	226	< 1	0.01	44	340	14	< 2	1	13	< 0.01	< 10	< 10	9	< 10	94
316517	205	226	< 1	0.01	47	330	10	< 2	1	12	< 0.01	< 10	< 10	10	< 10	102
316518	205	226	< 1	0.01	48	320	12	< 2	1	13	< 0.01	< 10	< 10	13	< 10	108
316519	205	226	< 1	0.01	46	330	16	< 2	1	11	< 0.01	< 10	< 10	12	< 10	118
316520	205	226	< 1	0.01	42	320	20	< 2	1	12	< 0.01	< 10	< 10	10	< 10	108
316521	205	226	< 1	< 0.01	49	320	6	< 2	1	8	< 0.01	< 10	< 10	8	< 10	106
316522	205	226	1	0.01	47	310	8	< 2	2	14	< 0.01	< 10	< 10	11	< 10	96
316523	205	226	1	0.01	50	310	16	< 2	2	15	< 0.01	< 10	< 10	11	< 10	112

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: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : SB 96-01
Comments: ATTN: JIN LEHTINEN CC: STAN STRICKER

Page Number :7-A
Total Pages :7
Certificate Date: 09-SEP-96
Invoice No. : I9630361
P.O. Number :
Account : EIA

CERTIFICATE OF ANALYSIS A9630361

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
316524	205	226	-----	< 0.2	1.02	2	50	< 0.5	< 2	0.37	< 0.5	19	26	21	4.08	< 10	< 1	0.22	20	0.80	395
316525	205	226	-----	< 0.2	0.80	< 2	30	< 0.5	< 2	0.20	< 0.5	20	23	23	4.54	< 10	< 1	0.13	20	0.78	485
316526	205	226	-----	< 0.2	0.98	2	50	< 0.5	< 2	0.09	< 0.5	20	19	22	4.69	< 10	< 1	0.21	20	0.76	505
316527	205	226	-----	< 0.2	0.77	< 2	130	0.5	< 2	0.08	0.5	24	22	24	4.30	< 10	< 1	0.20	20	0.39	280
316528	205	226	-----	< 0.2	0.81	18	540	< 0.5	< 2	0.04	3.0	12	30	20	4.37	< 10	1	0.27	40	0.16	175
316529	205	226	-----	0.8	0.58	42	1020	< 0.5	< 2	0.04	6.0	7	43	50	6.01	< 10	1	0.22	30	0.03	40
316530	205	226	-----	0.8	0.10	8	3360	< 0.5	< 2	>15.00	25.0	< 1	3	5	0.59	< 10	< 1	0.04	< 10	0.42	220
316531	205	226	-----	11.4	0.45	36	1690	0.5	< 2	>15.00	66.5	8	27	68	4.79	< 10	1	0.07	< 10	0.65	560

CERTIFICATION: Stan Bichler

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: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : SB 96-01
Comments: ATTN: JIN LEHTINEN CC: STAN STRICKER

Certificate Date: 09-SEP-96
Invoice No. : I9630361
P.O. Number :
Account : EIA

CERTIFICATE OF ANALYSIS A9630361

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
316524	205	226	3	0.01	48	300	20	< 2	1	26	< 0.01	< 10	< 10	9	< 10	108
316525	205	226	< 1	< 0.01	51	290	16	< 2	1	14	< 0.01	< 10	< 10	6	< 10	96
316526	205	226	< 1	< 0.01	52	290	12	< 2	1	9	< 0.01	< 10	< 10	7	< 10	100
316527	205	226	1	< 0.01	63	330	10	< 2	1	7	< 0.01	< 10	< 10	9	< 10	190
316528	205	226	9	0.01	41	430	18	< 2	1	7	< 0.01	< 10	< 10	17	< 10	416
316529	205	226	26	< 0.01	38	790	48	< 2	1	7	< 0.01	< 10	< 10	15	< 10	746
316530	205	226	< 1	0.01	13	1780	172	8	< 1	338	< 0.01	< 10	< 10	8	< 10	426
316531	205	226	5	0.01	86	720	1905	82	1	244	< 0.01	< 10	< 10	42	< 10	3890

CERTIFICATION: Heath Buchler

APPENDIX E

GEOLOGIST'S AND ENGINEER'S CERTIFICATES

GEOLOGIST'S CERTIFICATE

I, Jim Lehtinen of 4317 Briardale Road, Royston, in the Province of British Columbia, DO HEREBY CERTIFY:

1. THAT I am a Contract Geologist with Equity Engineering Ltd. with offices at Suite 207, 675 West Hastings Street, Vancouver, British Columbia.

2. THAT I am a graduate of the University of British Columbia with a Bachelor of Science degree in Geology.

3. THAT I am a Professional Geoscientist registered in good standing with the Association of Professional Engineers and Geoscientists of the Province of British Columbia.

4. THAT this report is based in part on property work I supervised between August 10 to August 23, 1996, government publications and assessment reports filed with the Province British Columbia.

DATED at Vancouver, British Columbia, this 14th day of February, 1997.

James J. Lehtinen, P.Geo.

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
J. J. LEHTINEN
GEOSCIENTIST

ENGINEER'S CERTIFICATE

I, Henry J. Awmack, of 1735 Larch Street, Vancouver, in the Province of British Columbia, DO HEREBY CERTIFY:

1. THAT I am a Consulting Geological Engineer with offices at Suite 207, 675 West Hastings Street, Vancouver, British Columbia.

2. THAT I am a graduate of the University of British Columbia with an honours degree in Geological Engineering (Mineral Exploration Option).

3. THAT I am a member in good standing of the Association of Professional Engineers and Geoscientists of British Columbia.

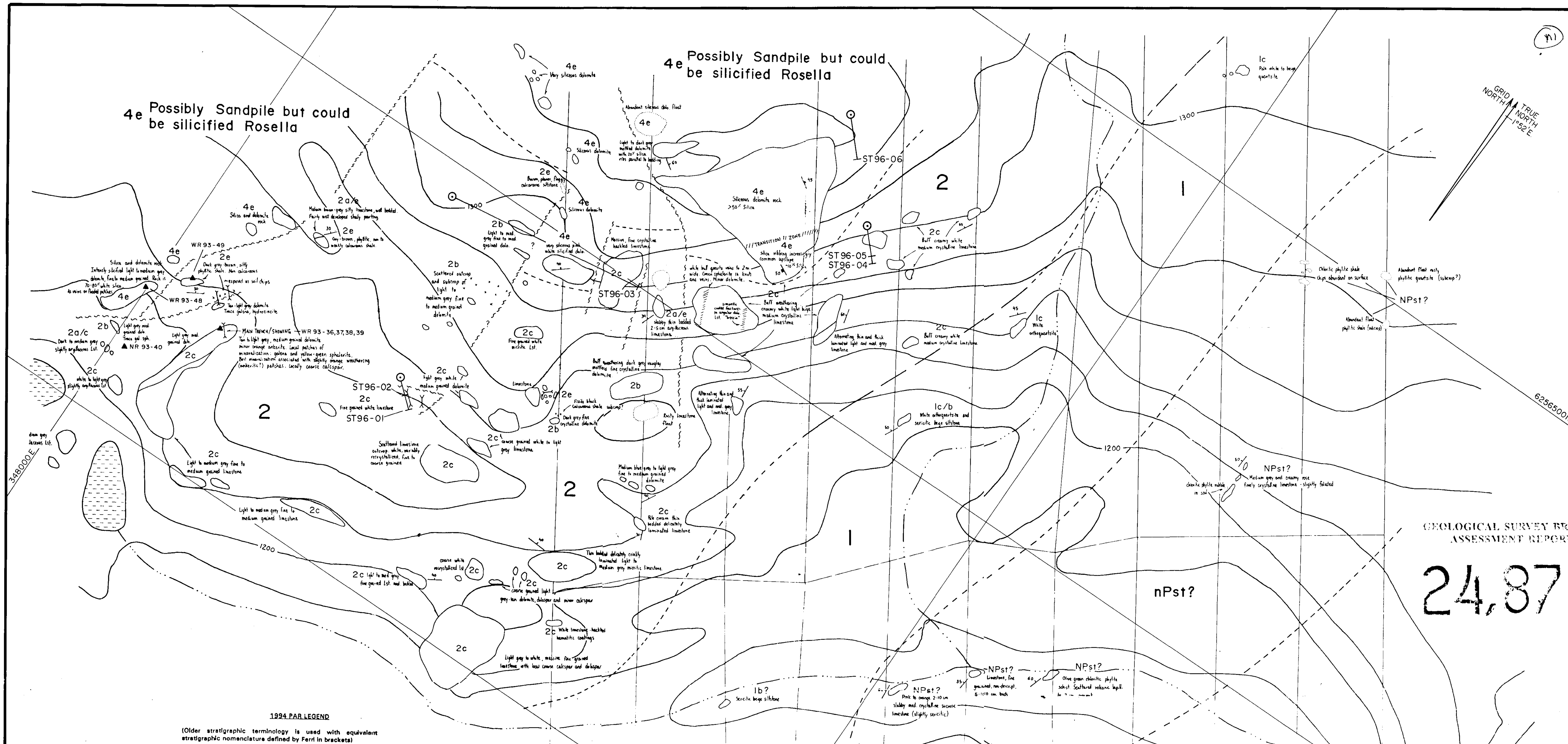
4. THAT this report is based in part upon diamond drill core which I logged in August 1996. I have examined the property in the field.

5. THAT I have no interest, direct or indirect, in the Swan property.

6. THAT I have no interest, direct or indirect, in Stratabound Minerals Corp. or any of its affiliates, nor do I expect to receive such interest.

DATED at Vancouver, British Columbia, this 8th day of February, 1997.

Henry J. Awmack, P.Eng.



1994 PAR LEGEND

(Older stratigraphic terminology is used with equivalent stratigraphic nomenclature defined by Ferri in brackets)

NEOPROTEROZOIC

INGENIKA GROUP
Stelkuz Formation

nPst PHYLLITE, SCHIST AND IMPURE QUARTZITE: green-grey, crenulated. LIMESTONE: white, honey coloured to bluish-grey, clean with thin micaceous partings. PHYLLITE, SLATE AND SILTSTONE: dark blue-grey to black, graphitic, locally contains biotite and garnet.

Espee Formation

nPes LIMESTONE: locally dolomitic, dark grey, grey to white mottled, thinly to moderately bedded, locally white marble.

Tsaydiz Formation

nPts SLATE, PHYLLITE: greenish grey to grey. INTERLAYERED WITH LIMESTONE TO CALCAREOUS PHYLITTE: both thinly bedded. LIMESTONE: blue-grey, impure and laminated. LESSER SANDSTONE, SILTSTONE: green-grey, feldspathic wacke; locally contains biotite.

Lower Cambrian

BOYA FM (MOUNT BROWN FORMATION

(In 1993 map/report referred to as 'Transitional Phyllite Unit)

1 BOYA FM (Undifferentiated)

1a INTERBANDED NODULAR LIMESTONE AND LIMY, SERICITIC MUDSTONE. Light green-grey, variably sericitic mudstone ± siltstone interbanded with nodular, argillaceous limestone. Sericitic mudstone component is generally < 25%. Phyllitic appearance with increased sericite content.

1b LIGHT TO MEDIUM GREEN-GREY, VARIABLY CALCAREOUS, SERICITIC, PHYLLITIC MUDSTONE, ± MINOR VOLCANIC TUFF, ± MINOR SILTY SANDSTONE. Weathered outcrops and trench exposures are poorly indurated, have a very friable fibrous "woody" texture, and a wavy, crenulated and kinked foliation.

1c QUARTZITE - Quartz sandstones lesser siltstones sericitic.

ATTAN GROUP

Lower Cambrian (to Middle Cambrian?)

ROSELLA FORMATION (Mt. Kison Fm)

Rosella lithologies not necessarily in stratigraphic order.

2 (undifferentiated)

2a MEDIUM-DARK GREY, OOLITIC, ARGILLACEOUS LIMESTONE. Medium-thick bedded (10-50 cm) to nodular, variably argillaceous and carbonaceous, ± (0.5 mm - 5.0 mm oolites), wavy to irregular partings and bedding surfaces, ± bioturbated, ± zebra texture, ± rose-reddish colouration, Archeocyathids (up to 5.0 cm) locally.

2b MEDIUM-DARK GREY, OOLITIC, ARGILLACEOUS DOLOMITE. Dolomitized equivalent of unit 2a? Dolomite is fine-medium crystalline, medium to thick bedded, local oolitic beds consist of 10-80% rounded, black oolites interbedded with argillaceous beds.

2c MEDIUM GREY TO WHITE, FINE-MEDIUM CRYSTALLINE LIMESTONE AND/OR DOLOMITE. Predominantly fine crystalline, clean limestone with lesser fine-medium (sucrosic) grained dolomite. Massive to non-descript mottled texture; thin, indistinct wispy bedding and crinkly algal laminations; local dark grey argillaceous bands (< 2 cm) and black bituminous fracture networks and stylolite seams; few Archeocyathids observed.

2d WHITE TO LIGHT GREY OR CREAM COLOURED, COARSELY RECRYSTALLIZED DOLOMITES ± MINOR LIMESTONE. May represent a dolomitized and/or coarsely recrystallized equivalent of unit 2c. Light cream to light grey, coarse (2-10 mm) rhombic dolomite and minor calcite, minor argillaceous laminae or patches, no fossils observed.

2e VARIABLY CALCAREOUS TO NON-CALCAREOUS SHALE. Occurs in association with Unit 2. Appears to occur at the base of the Rosella as well as higher up in the Rosella stratigraphy. It may represent a more shaley end member of unit 2a, which also occurs at more than one stratigraphic position. The shale is dark grey-black, commonly fissile, ± laminated, silty to muddy, and very calcareous to non-calcareous. Includes shales in upper portions of Rosella that have Salterella (Area 3N) (L.C.) or trilobites of (Upper L.C.) (Area 3S). Similar shales and argillaceous limestones in apparent conformity with underlying Rosella Fm lithologies host trilobites dated as Middle Cambrian on Razorback Ridge. There are for the present included within the Rosella (Mt. Kison) Fm rather than the Razorback Fm as defined by Ferri.

Early Silurian - Early Devonian

SANDPILE GROUP (ECHO LAKE GROUP)
(lithologies not necessarily in stratigraphic order)

4 (undifferentiated)

4e INTENSELY SILICIFIED DOLOMITE - rock composed of 60-100% silica notting and replacing dolomite locally Sandpile lithologies evident elsewhere host carbonate of uncertain affinity.

Symbols

- outcrop
- subcrop
- defined contact
- inferred contact
- fault
- ST96-02 Drill hole, horizontal trace
- 140° 60° bedding
- rock sample
- float, abundant rock chips in soil
- trench

METRES
0 50 100 150 200

NOTE.
GEOLOGY AFTER RHODES (1993)

STRATABOUND MINERALS CORP.

SWAN PROPERTY
SWAN EAST GEOLOGY & 1996 DRILLING

BRITISH COLUMBIA

EQUITY ENGINEERING LTD.

DRAWN: J.W./	MINING DIV.: OMINECA	FIGURE. 4
N.T.S.: 94 C/6	SCALE: 1:2500	
DATE: JAN. 1997	REVISED:	

STRATABOUND MINERALS CORP.

SWAN PROPERTY
GEOLOGY & SOIL GEOCHEMISTRY

BRITISH COLUMBIA

EQUITY ENGINEERING LTD.

DRAWN:	J.W./	MINING DISTRICT: OMINECA	FIGURE 5
N.T.S.:	94 C/5,6,12	SCALE: 1:20,000	
DATE:	JAN. 1997	REVISED	

0 100 200 400
METRES

LEGEND
(After Ferri, et al.,1993)
(Geology compiled from Ferri, et al.,(1993), and Rhodes, (1994))

LAYERED ROCKS

PALEOZOIC
MISSISSIPPIAN TO PERMIAN
LAY RANGE ASSEMBLAGE
Pennsylvanian to Permian

PPlru UPPER DIVISION: Tuff: tepilli, and crystal ash, green, massive, bedded or laminated. TUFFACEOUS SANDSTONE AND SILTSONE. ARGILLITE. MINOR AGGLOMERATE, v. GREEN (LOCALLY MAROON) VOLCANIC FLOW, commonly augite or feldspar phyric, rarely pillowed and vesicular. a: CHERT. CHERTY ARGILLITE c: CONGLOMERATE WITH CHERT AND VOLCANIC CLASTS, m: LIMESTONE, LIMEY SILTSTONE. s: SERPENTINITE.

DEVONIAN AND MISSISSIPPIAN
Upper Devonian to Lower Mississippian
BIG CREEK GROUP

DMbca SHALE ARGILLITE AND SILTSTONE: dark grey, blue grey and black, thinly to very thinly bedded and platy to wavy bedded. QUARTZ WACKE TO SANDSTONE: black to dark grey. CHERT TO CHERTY ARGILLITE. CONGLOMERATE: polymictic. MINOR LIMESTONE: dark grey, platy.

DMbct GILLILAND TUFF: TUFF: grey quartz and/or feldspar bearing. MINOR ARGILLITE: pyritic.

ORDOVICIAN TO DEVONIAN
Middle Ordovician to Lower Devonian
ECHO LAKE GROUP

ODel DOLOMITE AND LIMESTONE: pale to medium grey, thinly bedded to massive, medium crystalline to sugary, may be bioclastic, oolitic and contain carbonate breccia horizons, locally silicified and almost cherty, may exhibit algal structures. FENESTRAL DOLOMITE: extensive lower in the unit. SANDY DOLOMITE: locally fossiliferous, found near the top of the unit. MINOR SHALE.

CAMBRIAN AND ORDOVICIAN
RAZOR BACK GROUP

COrb **UPPER PART**. CALCAREOUS ARGILLITE, ARGILLACEOUS AND DOLOMITIC LIMESTONE: both dark grey, thinly bedded.
LOWER PART, ARGILLITE, SHALE: dark grey to grey, green or silvery, thinly bedded. MAY CONTAIN SECTIONS OF SERICITIC PHYLLITE OR SCHIST: white to greenish.

CAMBRIAN
Lower Cambrian
ATAN GROUP
MOUNT KISON FORMATION

ICmk LIMESTONE: grey to white and mottled, recrystallized, thin, wavy, indistinct and discontinuous bedding, slightly argillaceous and may be dolomitized, generally well bedded at bottom and more massive at top.

MOUNT BROWN FORMATION

ICmb SANDSTONE, IMPURE QUARTZITE: grey brown to maroon, moderately to thickly bedded. INTERLAYERED WITH SILTSTONE AND PHYLLITE: dark grey to green grey, thinly to thickly bedded. MINOR LIMESTONE NODULES.

NEOPROTEROZOIC
INGENIKA GROUP
STELKUZ FORMATION

nPst PHYLLITE, SCHIST AND IMPURE QUARTZITE: green-grey, crenulated. LIMESTONE: white, honey coloured to bluish-grey, clean with thin micaceous partings. PHYLLITE, SLATE AND SILTSTONE: dark blue-grey to black, graphitic locally contains biotite and garnet

ESPEE FORMATION

nPes LIMESTONE: locally dolomitic, dark grey, grey to white mottled, thinly to moderately bedded, locally white marble.

TSAYDIZ FORMATION

nPts SLATE, PHYLLITE: greenish grey to grey, INTERLAYERED WITH LIMESTONE TO CALCAREOUS PHYLLITE: both thinly bedded. LIMESTONE: blue grey, impure and laminated. LESSER SANDSTONE, SILTSTONE: green-grey feldspathic wacke: locally contains biotite.

SWANELL FORMATION

nPsw QUARTZITE, IMPURE QUARTZITE, QUARTZ FELDSPAR GRIT: grey to tan, thinly to thickly bedded. INTERLAYERD WITH SCHIST: garnet, biotite or chlorite, muscovite bearing.

INTRUSIVE ROCKS

MESOZOIC
Early Jurassic
POLARIS ULTRAMAFIC COMPLEX AND RELATED INTRUSIONS

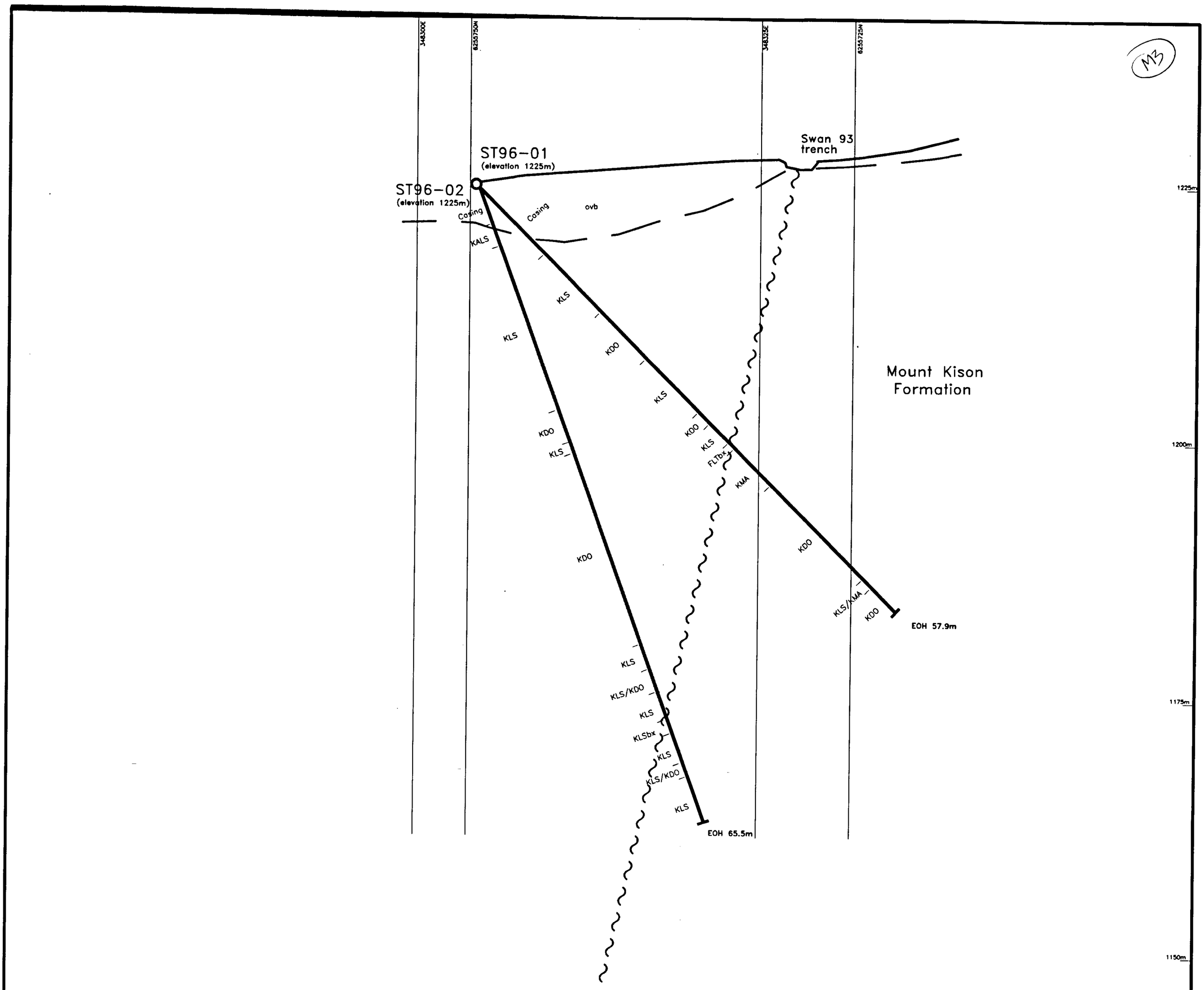
Jp UNDIFFERENTIATED DUNITE, WEHRLITE, AND GABBRO. Described in detail by Nixon et al. (1990).

SYMBOLS

- Geological Boundary
- Normal Fault
- Thrust Fault
- Fault
- 400 m / 0 m — Geochemical Soil Line — LCLB

Samples values shown are above or equal to the threshold values given below.

Ag	≥ 1ppm
Au	≥ 10ppb
Cd	≥ 5ppm
Cu	≥ 100ppm
Pb	≥ 30ppm
Zn	≥ 300ppm



L E G E N D

Paleozoic

MIDDLE ORDOVICIAN TO LOWER DEVONIAN

Echo Lake Group

EDO — Dolomite. Pale buff to beige, cream to grey coloured, moderately to strongly silicified. Silica banding commonly irregular.

CAMBRIAN & ORDOVICIAN

Razorback Group

RAG — Argillite. Dark grey to black, thinly bedded to laminated.

RLS — Limestone. Dark grey to black, thinly bedded to laminated.

RAG/LS — Interbedded argillite & limestone or argillaceous limestone.

LOWER CAMBRIAN

Atan Group

MOUNT KISON FORMATION

KLS — Limestone. Light to medium grey, white to cream coloured. Aphanitic to grainey textured, weakly banded. Stylolitic fractures (algal structures?).

KDO — Dolomite. Light to medium grey to cream coloured. Medium banded to thinly laminated to massive.

KLS/DO — Limestone / dolomite interbedded.

KMA — Marble. Recrystallized limestone.

KALS — Argillaceous limestone.

KADO — Argillaceous dolomite.

MOUNT BROWN FORMATION

KADO — Phyllite, black.

KADO — Phyllite, green.

Abbreviations / Modifiers

FLTbx — fault breccia

bx — breccia

b — banded

Symbols

——— Geological contact

~~~~~~ fault

0 5 10 15 20 25 metres

STRATABOUND MINERALS CORP.

Swan Property

Drill hole ST96-01,02

EQUITY	Date: January, 1997	Scale: 1 : 250	Figure: 6
	U.T.M. Zone: 10	Mining Division: Omineca	
	N.T.S.: 94C/5, C/6, C/12	State/Province: B.C.	
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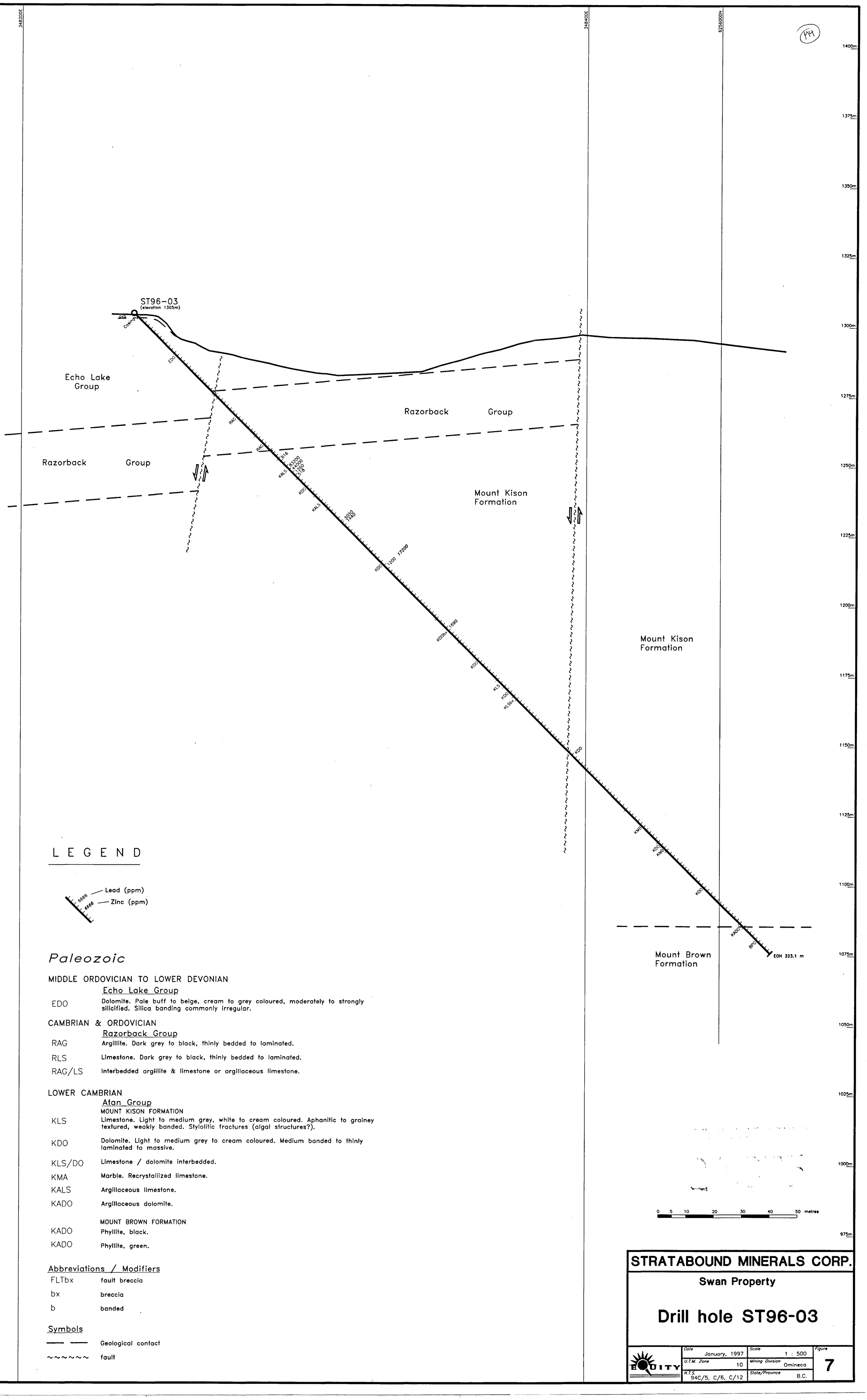


LEGEND

6666 — Lead (ppm)
6666 — Zinc (ppm)

Paleozoic

MIDDLE ORDOVICIAN TO LOWER DEVONIAN

Echo Lake Group

EDO — Dolomite. Pale buff to beige, cream to grey coloured, moderately to strongly silicified. Silica banding commonly irregular.

CAMBRIAN & ORDOVICIAN

Razorback Group

RAG — Argillite. Dark grey to black, thinly bedded to laminated.

RLS — Limestone. Dark grey to black, thinly bedded to laminated.

RAG/LS — Interbedded argillite & limestone or argillaceous limestone.

LOWER CAMBRIAN

Atan Group

MOUNT KISON FORMATION

KLS — Limestone. Light to medium grey, white to cream coloured. Aphanitic to grainey textured, weakly banded. Stylolitic fractures (algal structures?).

KDO — Dolomite. Light to medium grey to cream coloured. Medium banded to thinly laminated to massive.

KLS/DO — Limestone / dolomite interbedded.

KMA — Marble. Recrystallized limestone.

KALS — Argillaceous limestone.

KADO — Argillaceous dolomite.

MOUNT BROWN FORMATION

KADO — Phyllite, black.

KADO — Phyllite, green.

Abbreviations / Modifiers

FLTbx — fault breccia

bx — breccia

b — banded

Symbols

—— —— Geological contact

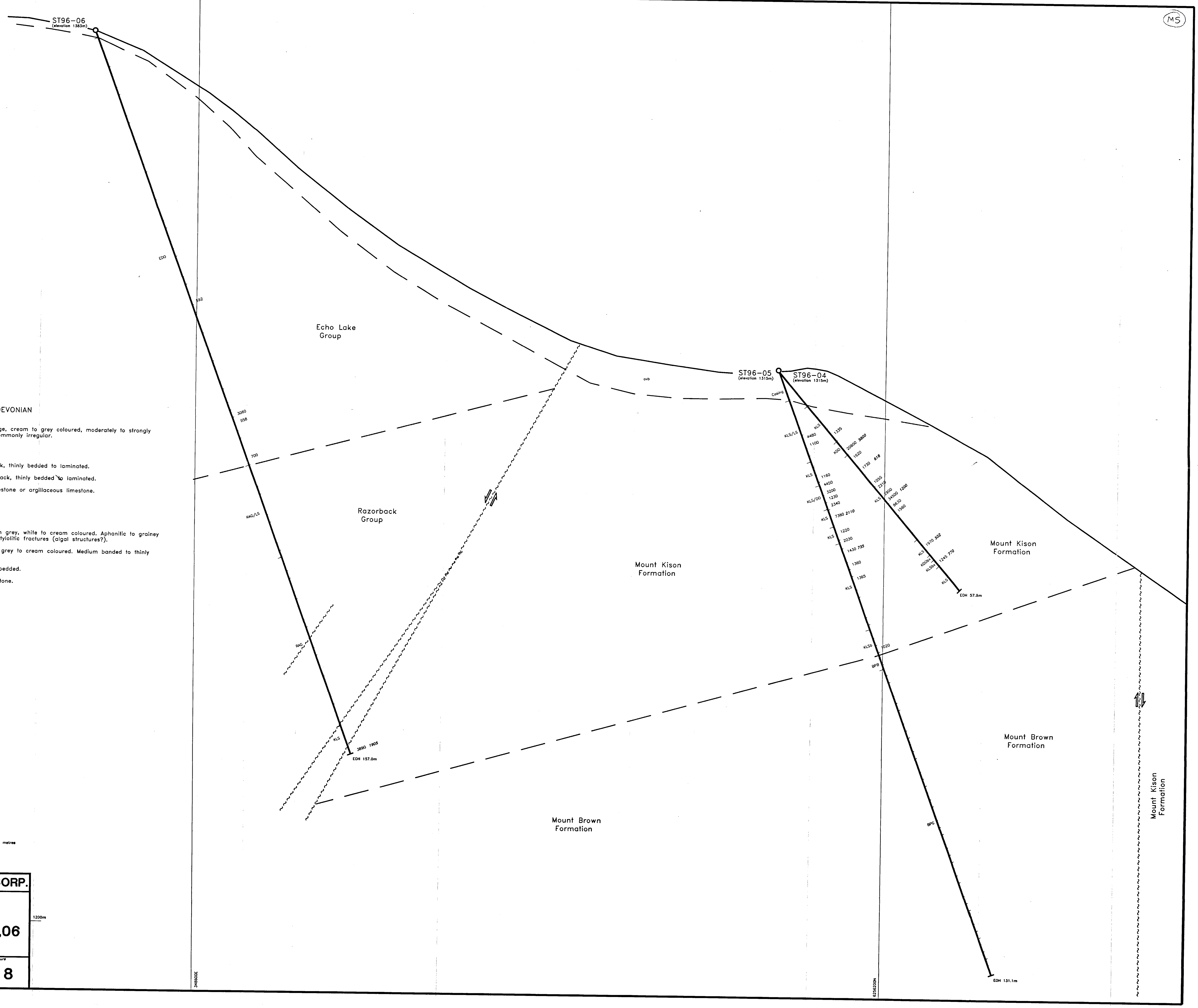
~~~~~~ fault

STRATABOUND MINERALS CORP.

Swan Property

Drill hole ST96-03

EQUITY	Date: January, 1997	Scale: 1 : 500	Figure: 7
	U.T.M. Zone: 10	Mining Division: Omineca	
	N.T.S.: 94C/5, C/6, C/12	State/Province: B.C.	
~~~~~~



LEGEND

Lead (ppm)
Zinc (ppm)

Paleozoic

MIDDLE ORDOVICIAN TO LOWER DEVONIAN

Echo Lake Group

EDO	Dolomite. Pale buff to beige, cream to grey coloured, moderately to strongly silicified. Silica banding commonly irregular.

CAMBRIAN & ORDOVICIAN

Razorback Group

RAG	Argillite. Dark grey to black, thinly bedded to laminated.
RLS	Limestone. Dark grey to black, thinly bedded to laminated.
RAG/LS	Interbedded argillite & limestone or argillaceous limestone.

LOWER CAMBRIAN

Atan Group

MOUNT KISON FORMATION

KLS	Limestone. Light to medium grey, white to cream coloured. Aphanitic to grainey textured, weakly banded. Stylolitic fractures (algal structures?).
KDO	Dolomite. Light to medium grey to cream coloured. Medium banded to thinly laminated to massive.
KLS/DO	Limestone / dolomite interbedded.
KMA	Marble. Recrystallized limestone.
KALS	Argillaceous limestone.
KADO	Argillaceous dolomite.

MOUNT BROWN FORMATION

KADO	Phyllite, black.
KADO	Phyllite, green.

Abbreviations / Modifiers

FLTbx	fault breccia
bx	breccia
b	banded

Symbols

———	Geological contact
~~	fault

0 5 10 15 20 25 metres

STRATABOUND MINERALS CORP.

Swan Property

Drill holes ST96-04,05,06

EQUITY

Date: January, 1997	Scale: 1 : 250	Figure: 8
U.T.M. Zone: 10	Mining Division: Omineca	
N.T.S.: 94C/5, C/6, C/12	State/Province: B.C.	