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GEOLOGICAL - GEOCHEMICAL REPORT
ON THE
STRYKER CLAIM GROUP

CLINTON MINING DIVISION

FILED

For

LEXINGTON RESOURCES LTD.
and
ISKUT GOLD CORP.
780 - 885 Dunsmuir Street
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By

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18,214
GEOLOGICAL BRANCH
ASSESSMENT REPORT



December 5, 1988

SUMMARY

Ashworth Explorations Limited carried out a field program, consisting of geological mapping, rock sampling, stream sediment sampling and soil sampling on the Stryker Claim Group during September 1988.

The Stryker Claim Group consists of four contiguous mineral claims (80 units) located in the Clinton Mining Division. The claims are situated 45 kilometres northeast of Goldbridge, B.C.

The subject property is underlain by a sequence of Eocene volcanic rocks in thrust fault contact with Cretaceous sediments. The Eocene rocks are known for hosting an epithermal gold-silver quartz vein deposit at Blackdome Mountain, nine kilometres northeast of the Stryker claims.

Previous work on the Stryker Claim Group consisted of an airborne magnetometer and VLF-electromagnetometer survey in 1987. Survey results delineated a magnetic low along the Hungry Valley thrust fault which was interpreted as an area where mineralization could occur similar to Blackdome Mountain.

The 1988 exploration program has outlined one area of argillic alteration and silicification, with mercury anomalies in rocks and soils.

A second and third phase exploration program has been recommended. Phase II will consist of grid extension, soil sampling, geological mapping and rock sampling at an estimated cost of \$61,000. Phase III is contingent upon targets

being established from Phase II. It would consist of detailed soil sampling, geological mapping and backhoe trenching.

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1. INTRODUCTION

This report was prepared at the request of Lexington Resources Ltd. and Iskut Gold Corp. to describe and evaluate the results of a geological-geochemical survey carried out by Ashworth Explorations Limited from September 7 to 19, 1988 on the Stryker Claim Group, Red Mountain Area, B.C. The report also describes the regional geology and the past exploration activities in the area, and outlines a proposed exploration program.

One of the authors, Mr. Leriche, planned and supervised all fieldwork and examined the subject claims on August 24, 1988. Mr. Yacoub was the project geologist and party chief on the claims for the duration of the project.

2. LOCATION, ACCESS AND TOPOGRAPHY

The Stryker Claim Group is located in the Camelsfoot Range on the Fraser Plateau approximately 70 kilometres northwest of Clinton, B.C. and 45 kilometres northeast of the town of Goldbridge (Figure 1). The claims lie within NTS mapsheets 92O/2 and 92O/7, at latitude 51 14' north, longitude 122 35' west.

The property can be reached by road from Clinton, B.C. From Clinton, take Highway 97 North for approximately 16 kilometres then west on the Meadow Lake Road to the Gang Ranch Bridge. Turn south via the Empire Valley Road to the Blackdome Mine access road turnoff. After approximately nine kilometres, take the Red Mountain Forestry Road for approximately 25 kilometres to the property. Use of a four-wheel drive vehicle is recommended.

Alternative access is by helicopter from Goldbridge, B.C. where Cariboo-Chilcotin Helicopters maintains a base.

The terrain is characterized by gentle to moderate slopes descending into an east-west trending tributary of Lone Cabin Creek. Vegetation consists of scrub pine, spruce and minor fir. Elevation varies from 6300 feet (2067 metres) to 4800 feet (1575 metres) in the main creek valley, giving a total relief of 1500 feet (492 metres).

3. PROPERTY STATUS (Figure 2)

The Stryker Claim Group consists of four contiguous mineral claims totalling 80 units in the Clinton Mining Division. The claims are owned by Lexington Resources Ltd., Iskut Gold Corp., Mr. Hugh Harlinton and Ms. Carolyn Beban. The operating address is 780 - 885 Dunsmuir Street, Vancouver, B.C., V6C 1N8.

Pertinent claim data is as follows:

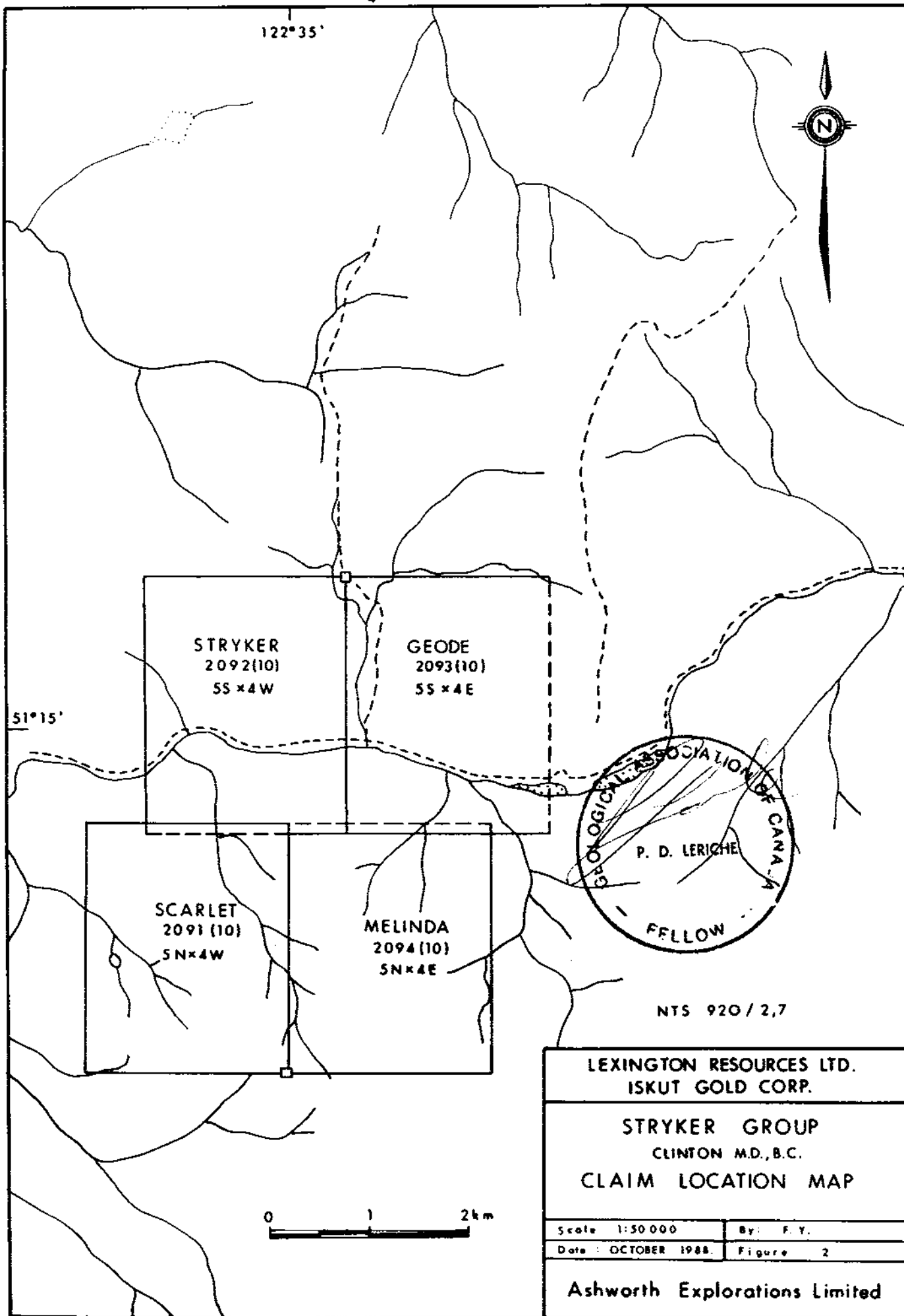
<u>Claim Name</u>	<u>Record #</u>	<u>Units</u>	<u>Record Date</u>
Scarlet	2091	20	October 14, 1986
Stryker	2092	20	" "
Geode	2093	20	" "
Melinda	2094	20	" "

The total area covered by the claim group is 2,000 hectares.

4. AREA HISTORY

BLACKDOME

The first major find in the general area of the subject claims occurred in the late 1940's with the discovery of gold-bearing quartz veins in the Black Dome Mountain area, approximately nine kilometres northeast of the north claim



122°35'



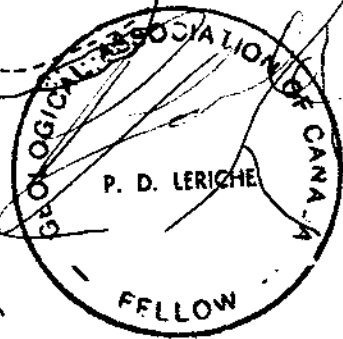
STRYKER
2092(10)
5S x 4W

GEODE
2093(10)
5S x 4E

51°15'

SCARLET
2091(10)
5N x 4W

MELINDA
2094(10)
5N x 4E



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LEXINGTON RESOURCES LTD.
ISKUT GOLD CORP.

STRYKER GROUP
CLINTON M.D., B.C.
CLAIM LOCATION MAP



Scale 1:50 000

By: F. Y.

Date: OCTOBER 1988.

Figure 2

Ashworth Explorations Limited

boundary. The following ten year period saw work performed by Empire Valley Gold Mines Ltd. and Silver Standard Mines Ltd. which included sampling, stripping, packsack drilling, trenching and the driving of two adits into the vein structures.

By 1972 additional gold-bearing quartz veins had been located west of the original claims. In 1980, Blackdome Explorations Ltd. completed additional work including trenching, drilling and underground exploration. Mine construction began in 1985 with underground development of the Number 1 and 2 veins on two levels and a 200 ton-per-day mill. This led to the commencement of production on May 16, 1986. Reserves at December 31, 1987 were estimated at 245,615 tons with an average grade of 0.74 ounces of gold and 2.15 ounces of silver per ton (Blackdome Mining Corporation Annual Report, 1987).

The gold-bearing quartz veins at the Blackdome Mine are hosted by Eocene rhyolitic to andesitic volcanics which exhibit argillic wallrock alteration adjacent to the veins. A northeasterly trend is dominant in the structure, veins and host rocks. Northeasterly-trending normal faults cut the area and are believed to be related to movement along the Fraser Fault System during the Eocene epoch (Harrop & Scroggins, 1987).

BOBCAT

Immediately southwest of the Blackdome property, and approximately three kilometres north of the Stryker Group, lies the Bobcat Claim Group owned by Lexington Resources Ltd. The Bobcat claims were originally staked in 1980 as the Pony claims and occupy the southwest extension of the same mineralized

zone present on the Blackdome Mine property. Highly anomalous gold results were obtained from soil samples collected in 1982 near the northwest corner of the Pony claims.

In 1986 the Pony claims lapsed and were restaked as Bobcat I, II and III claims and were subsequently sold to Lexington Resources Ltd. Between 1986 and the present, geological mapping, prospecting, geochemical soil sampling, geophysical surveys, trenching and diamond drilling have been performed on the claims with results showing good potential for finding epithermal Au-Ag mineralization similar to that at the Blackdome Mine. (Harrop and Scroggins, 1987)

BALLATAR

Ballatar Explorations Ltd. has optioned the EH1, EH3, EH5, EH6 and EH7 claims, located adjacent to the eastern boundary of the Geode claim. An airborne VLF-EM survey and reconnaissance geological mapping followed by mapping, soil and rock sampling and geophysical surveys have been performed on this property from 1984 to 1987. In 1988 a detailed soil sampling program was completed to be followed by trenching of soil anomalies and vein occurrences in October 1988. The soil sampling program returned values up to 790 ppb gold with additional results pending (Vancouver Stockwatch, November 7, 1988). Trenching and road building has uncovered additional altered shear zones in rocks believed to be stratigraphically equivalent to the host rocks at Blackdome Mine (Vancouver Stockwatch, November 7, 1988).

EDGE

Brenwest Mining Ltd.'s Edge Claim Group, located approximately 30 kilometres eastsoutheast of the Scarlet and Melinda L.C.P., has undergone exploration since 1980 when Kerr Addison Mines Ltd. staked the original Big Bar claims. Percussion drilling completed in 1980 obtained a high Au value of 2600 ppb, As 1000 ppm and Ag 25.2 ppm, over drill intersections of 3, 3.1 and 3 metres respectively (Neelands, 1980). Recent work by Brenwest has consisted of surface sampling, trenching, geophysical work and limited drilling. Results have outlined drill targets including an area highlighted by a northwest-trending I.P. anomaly, 950 metres long and open in both strike directions. Previously obtained values include a surface sample high of 3480 ppb Au and a drill intersection over 3 metres of 0.13 oz/ton Au (Brenwest Mining Ltd. News Release, 1988).

OTHER PROPERTIES

Twenty-six kilometres southeast of the Stryker Claim Group, Chevron Standard Limited controls several crown grants and mineral claims covering the headwaters of Stirrup and Ward Creeks.

This property has seen a long history of exploration and prospecting for gold since the location of the original Astonisher and Chisholm claims around 1926. Development work has included several crosscuts, open cuts and trenching to 1933, geochemical soil surveys and percussion drilling by Rio Tinto in 1971, and mapping, trenching and sampling by Canex Placer Limited in 1973.

Chevron Standard Limited took control of the crown grants in addition to 19 mineral claims in 1975 and completed two diamond drill holes with no documented assay results. Since 1982 Chevron has restaked ground formerly covered by the Eagle claim. A 1982 reconnaissance rock and soil sampling survey plus detailed soil sampling obtained anomalous values of greater than 1000 ppm antimony, 100 ppm arsenic and 374 ppm gold (Livingstone, 1982).

The Poison Mountain copper-molybdenum-gold porphyry deposit is located on the southwest slopes of Poison Mountain, approximately eight kilometres southwest of the Scarlet and Melinda claims. Initial staking occurred in 1935 following the discovery of placer gold along Poisonmount Creek in 1932.

Mineralization is associated with granodiorite to quartz diorite stocks intruding Jackass Mountain Group sedimentary rocks. Two porphyritic zones are present: an inner relatively unaltered hornblende plagioclase porphyry which grades outward into a biotite plagioclase porphyry. The highest grade mineralization occurs within the biotite-altered border phases and consists of pyrite, chalcopyrite, molybdenite and bornite, both disseminated, fracture fillings and in veins associated with quartz. Diamond drilling and trenching outlined reserves of 175 million tonnes averaging 0.33% copper, 0.015% molybdenum and 0.3 gram per tonnes gold (Glover et al, 1987). Long Lac Mineral Explorations completed additional diamond drilling in 1979 and 1980 but no published figures are available.

Exploration for porphyry copper-molybdenum mineralization began in 1970 in the upper Relay Creek area, located approximately 21 kilometres southwest of the

Scarlet claim. At this location mineralization is associated with a swarm of sills, dykes and small plugs which intrude volcanic and sedimentary rocks. Disseminated pyrite and/or pyrrhotite occur within and adjacent to the porphyries along with local chalcopyrite, molybdenite, arsenopyrite and sphalerite. Ezzo Minerals Canada is currently exploring the northwestern end of the altered belt, obtaining gold values of one to ten grams per tonne from narrow quartz-carbonate and chalcedony veins in association with broader zones of elevated gold values in the range of 50 to 300 parts per billion and anomalously high values of arsenic (Glover et al, 1987).

Low grade epithermal gold mineralization occurs at Big Sheep Mountain which is located 21 kilometres southwest of the Stryker Claim Group. The mineralization is associated with carbonate and argillic-altered granitic intrusions, probably Tertiary in age.

5. PREVIOUS WORK

In 1979 a regional geochemical survey was performed by the B.C. Ministry of Energy, Mines and Petroleum Resources (RGS-3-1979). Two samples were taken that are now covered by the Stryker Claim Group. One sample (5571) taken along the Hungry Valley Thrust Fault was anomalous in mercury (270 ppb). Gold was not analyzed.

In 1987 an airborne magnetic and VLF-EM survey was conducted for Ms. Carolyn Beban and Mr. Hugh Harlinton by Western Geophysical Aero Data Ltd. The survey delineated the east-west trending Hungry Valley Thrust Fault as a pronounced magnetic low separating two distinct magnetic and lithological

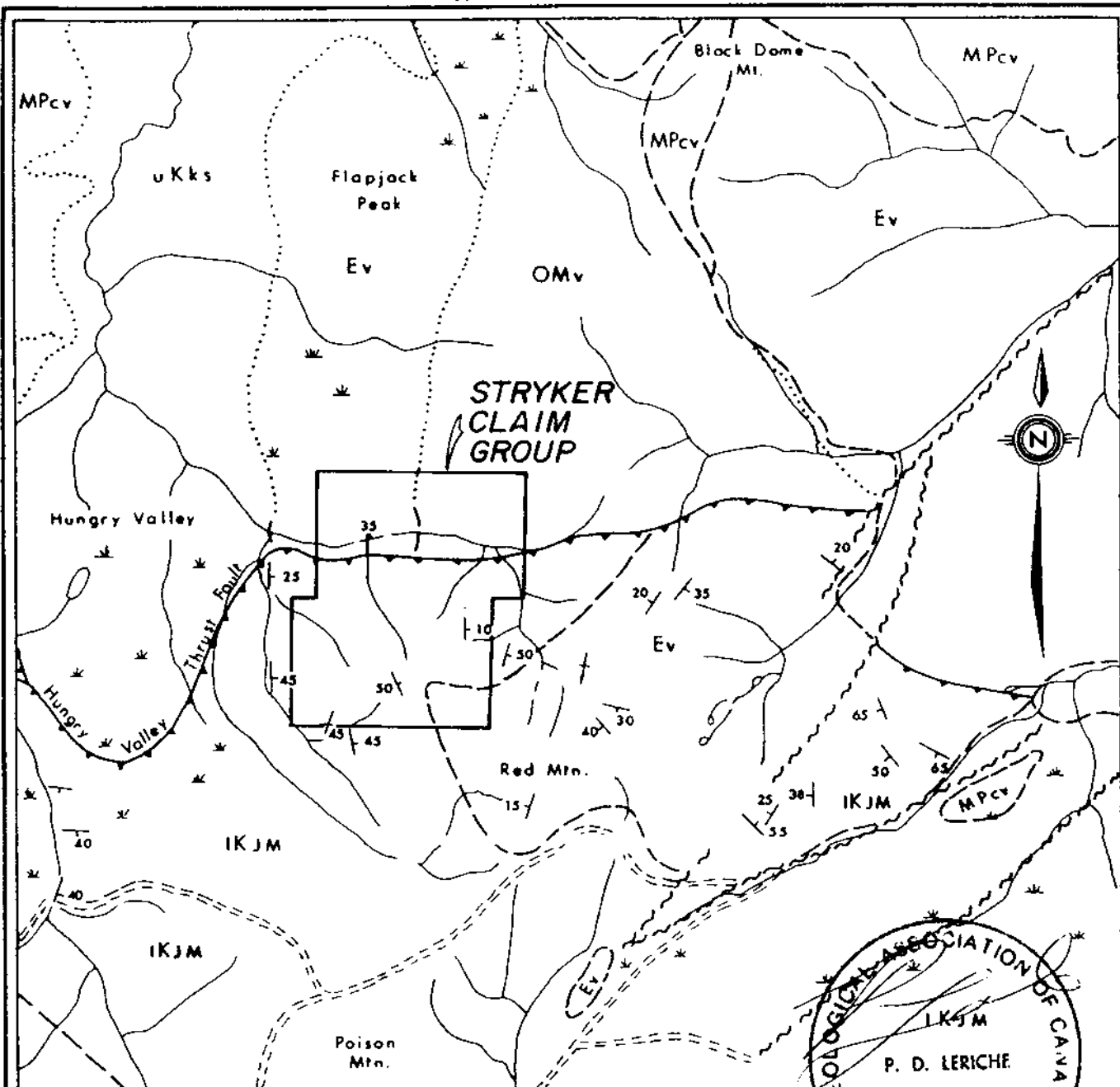
environments. This magnetic low was interpreted as an area where mineralization could occur similar to Blackdome Mountain (White and Hermary, 1988).

6. REGIONAL GEOLOGY (Figure 3)

The Stryker Claim Group is located in a region underlain by Mesozoic sedimentary and volcanic rocks which lie within a northwest-trending, structurally complex zone along the western margin of the Intermontane Belt, east of the Coast plutonic complex. The Tyaughton Trough is a feature of the area and is characterized by marine sedimentary rocks of the Middle Jurassic to Lower Cretaceous Relay Mountain Group and the mid-Cretaceous Taylor Creek and Jackass Mountain groups. An Upper Cretaceous succession of laterally discontinuous, nonmarine basinal deposits grading up into continental volcanic arc-related rocks, overlies the Tyaughton rocks with local angular unconformity (Glover et al, 1987).

The Jackass Mountain Group (Lower Cretaceous) is composed of clastic sedimentary rocks which outcrop over a large area northeast of the Yalakom Fault. It outcrops in the south-central, and western portion of the Scarlet and Melinda China claims. The boulder to cobble conglomerate of the Jackass Mountain Group is the most distinctive and occurs as beds up to several metres thick.

The Jackass Mountain Group is unconformably overlain by Eocene volcanics comprised of andesitic to rhyolitic composition. The volcanics are similar lithologically to Eocene-dated volcanics to the north and northeast which are



LEGEND

GEOLOGY (by Tipper O.F. 534, 1978.)

MIOCENE

MPcv Olivine basalt, andesite, minor tuff.

OLIGOCENE

OMv Grey to brown, fine grained to porphyritic and amygdaloidal andesite and basalt tuff and breccia.

EOCENE

Ev Rhyolitic and dacitic tuff, breccia, and flows; minor andesitic to basaltic rocks.

CRETACEOUS

uKks Interbedded siltstone, greywacke and conglomerate.

IKJM Buff to green greywacke, light grey shale, and pebble conglomerate, massive boulder conglomerate.

SYMBOLS

- Geological contact (defined, approximate, assumed)
- |+ Bedding (inclined, vertical)
- ~~~~~ Fault
- ▲▲▲ Thrust or high angle reverse



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**STRYKER GROUP
CLINTON M.D., B.C.**

REGIONAL GEOLOGY MAP

Scale 1:125,000	By: F. Y. / J.S.
Date: NOVEMBER 1988.	Figure 3

Ashworth Explorations Limited

host to the Blackdome epithermal gold deposit. They are made up of andesitic to dacitic flows (locally vesicular and/or amygdaloidal), discontinuous units of flow-banded rhyolite, and unsorted andesitic to dacitic volcanic conglomerates.

Eocene (Glover et al, 1987) or Oligocene (Tipper, 1978) porphyritic rocks appear to intrude the Eocene volcanics at Red Mountain and Big Sheep Mountain and a large area to the north of the Red and China Claim Groups (Glover et al, 1987). These are commonly carbonate altered and contain variable proportions of feldspar, hornblende, biotite and quartz phenocrysts.

Flat-lying Miocene plateau basalts unconformably overlie the older rocks in the area. They occur as medium to dark gray flows intercalated with minor amounts of volcanic breccia and volcanic conglomerate. They cap several ridges in the region including Black Dome Mountain.

The Yalakom fault and the Fraser fault system are dominant features on the regional scale. The Yalakom fault divides the general area into two parts. The Red Mountain region lies northeast of the fault zone and is characterized by relatively widely spaced northwest and northeast-trending faults and by east-trending folds probably related to dextral movement along the Yalakom fault system.

The Jackass Mountain Group and the Eocene volcanics are bounded to the west by the north-northwest-trending Red Mountain fault which truncates several northeast-trending faults. North-northeast-trending extensional faults and

fractures (Eocene?) appear to have developed in the Eocene volcanics in relation with the dextral wrench fault along the Fraser fault system (Glover et al, 1987).

An easterly-trending fault on the subject claims is believed to be part of the Hungry Valley thrust fault (Tipper, 1978). It is inferred, separating Jackass Mountain sandstones from the Eocene volcanics, and possibly extends to the west.

7. 1988 PROGRAM

7.1 SCOPE AND PURPOSE

During September 1988 a field crew consisting of one geologist and three geotechnicians completed a program of geological mapping, rock sampling, stream sediment and soil sampling.

The purpose of this program was to cover the property using geochemical methods to define follow-up exploration targets. The expected target is an epithermal gold-silver deposit similar to that found at Blackdome Mountain.

7.2 METHODS AND PROCEDURES

Geological mapping was performed at a scale of 1:10,000 (Figure 4) over the property. Control for mapping was established using an altimeter, compass, hipchain and the survey grid on the Stryker, Geode and Melinda claims.

A total of 36 rock samples were collected and analyzed for gold, mercury and multi-element ICP by Chemex Labs Limited. See Appendix B for analytical reports and Appendix C for analytical techniques.

Ten rock samples from various rock units were sent to Vancouver Petrographics Ltd. for thin section analysis. Appendix E is a complete report on each section and Figure 4 shows their locations.

Stream sediment samples were taken from all drainages. Samples were collected at 200 to 300 metre intervals from the active part of the streams. Grain size varied from silt to sand size. Altogether 48 stream sediment samples were taken, placed into marked sand sample bags and sent to Chemex Labs Ltd. for gold, mercury and multi-element ICP analysis (see Appendix B and C).

A survey grid (Figure 5) was laid out on the Stryker, Geode and Melinda claims to use as control for soil sampling and geological mapping. A baseline was compassed, brushed out, slope corrected and hipchained at an azimuth of 40 degrees for 2.2 kilometres. Cross-lines were surveyed using compass, hipchain and flagging at 200 metre line spacings and 50 metre station spacings. Total line surveyed, including baseline and cross-lines, was 31.5 kilometres.

A total of 545 soil samples were collected at 50 metre station spacings. All soil samples were taken with a grub hoe from the B horizon (approximate depth of 25 cm), placed into marked Kraft-paper bags, field dried, then sent to Chemex Labs Ltd. and analyzed for gold, mercury and multi-element ICP (Appendix B and C).

The lab results for two elements (Au and Hg) were computer-plotted on 1:10,000 scale maps (Figures 6 and 7). To evaluate any existing geochemical anomalies, frequency distribution histograms based on lab data were prepared for each of

the aforementioned elements (Appendix D). Anomalous values were chosen using natural breaks in each histogram. For interpretation purposes, correlation coefficients were calculated (Appendix D) and anomalous values for gold and mercury were plotted as symbols on Figures 6 and 7. Anomalous ranges for arsenic and zinc have been plotted on 1:20,000 scale symbol maps (Figures 8 and 9). All statistical and plotting work was performed by Tony Clark Consulting Services.

7.3 PROPERTY GEOLOGY (Figure 4)

The property is underlain by a package of Eocene volcanic rocks that have been overthrust by Cretaceous conglomerate, siltstone and one outcrop of volcanic greenstone, along the Hungry Valley Thrust fault.

The following description of lithologic units is based on geological mapping by Mr. Fayz Yacoub and from petrographic analysis by Vancouver Petrographics Ltd. (See Figure 4 for thin section locations).

CRETACEOUS - JACKASS MOUNTAIN GROUP

Unit 1 - Greenstone

Probably the oldest unit on the property, this unit outcrops in the western portion of the property, south of the Hungry Valley thrust fault. It is a light gray to green chloritic andesite with numerous veinlets of gypsum or zeolite up to 2 mm wide. Thin section analysis (TS-8) interpreted unit 1 as being a fine-grained andesite-basalt volcanic wacke.

Unit 2 - Siltstone

Unit 2 outcrops at the boundary of the Scarlet and Melinda claims, south of the Hungry Valley thrust fault. In the field this rock type is buff-light brown fine-grained siltstone with light green angular clasts up to 3 mm in diameter. Thin section 4 is described as a lithic arenite composed of 77% subangular felsitic lithic clasts in a fine-grained quartz-plagioclase-biotite-hornblende matrix (23%).

Unit 3 - Polymictic Conglomerate

Unit 3 outcrops in the central part of the Scarlet and Melinda claims. It consists of poorly sorted, well rounded cobbles and boulders of granitic, volcanic, clastic sedimentary and metamorphic composition, in a light brown sandy matrix.

EOCENE VOLCANIC ROCKS

Unit 4 - Latite

This unit represents the oldest rock within the Eocene package and underlies the northwest part of the property. It is a light gray-brown sparsely porphyritic latite. Phenocrysts of sanidine (8%) lie in a groundmass composed of potassic minerals (84%) and quartz (8%). Minor amygdules up to 2 mm in size are infilled with calcite plus minor quartz and sericite.

Unit 5 - Andesite

Unit 5 outcrops along the Hungry Valley fault in the west part of the property. It is a light gray to dark gray porphyritic amygdaloidal andesite. It is composed of phenocrysts of euhedral plagioclase (22%) and pyroxene (4%), amygdules (7%) infilled with quartz and a groundmass of feldspar (58%), biotite, opaques and rutile (9%).

Unit 6 - Pyroxene Basalt

Rocks of this unit occupy the northwest and south areas of the property. It is a medium gray to black porphyritic pyroxene basalt. Compositional minerals include plagioclase, volcanic glass, minor carbonates and opaques.

Unit 7 - Volcanic Glass

This occurs as one elongated light gray to green-coloured outcrop on the Geode claim.

Thin section 6 is described as a glassy volcanic (tuff?) composed of glass (73%), feldspars (15%) and chlorite.

INTRUSIVE ROCKS

A swarm of aphanitic pyroxene basalt dykes was located in the central part of the Melinda claim, cross-cutting unit 6. Thin section evidence (thin section 7) revealed a composition of plagioclase and pyroxene.

Glover et al (1987) mapped three Eocene intrusive stocks approximately 1.5 to 2 kilometres north of Red Mountain (two kilometres south of subject claims). These consist of an equigranular to porphyritic quartz diorite to quartz monzonite.

STRUCTURE

The main structural feature on the property is the Hungry Valley Thrust Fault which strikes east-west across the centre of the claim group.

Two other north-south trending faults were mapped on the claims on the north and south sides of the main thrust fault. They are interpreted as being compressional fractures, with minimal displacement, that probably are related to the Fraser River fault system.

ALTERATION

Two types of alteration occur on the subject claims: 1) argillic and 2) rusty limonitic.

Moderate argillic alteration was observed mainly in the latite unit (Unit 4) and it is characterized by kaolinite alteration of feldspars. The source of this alteration could be from a hydrothermal magmatic origin, possibly from the intrusive stocks south of the property.

Limonitic alteration occurs within the pyroxene basalt (Unit 6), northeast of the claim group.

7.4 MINERALIZATION AND ROCK GEOCHEMISTRY

7.4.1 Geological Model

The target deposit expected on the Stryker group is an epithermal gold-silver deposit similar to that found at Black Dome Mountain.

According to the British Columbia Epithermal Model (Panteleyev, 1986), the Blackdome deposit fits in as gold-silver-bearing quartz-carbonate veins relatively high up in the epithermal system. Elements typically associated with these deposits include mercury, arsenic and antimony. A regional geochemical survey

jointly conducted by the British Columbia Ministry of Energy, Mines and Petroleum Resources (B.C.RGS-3) and the Geological Survey of Canada (Open File 774, 1983) shows that creeks surrounding the Blackdome deposit are highly enriched in mercury.

Another example of enriched mercury is on the Bobcat II claim, owned by Lexington Resources Ltd. Mercury anomalies in soils and rocks (argillic alteration zones) have been used to define trenching and drilling targets. Follow-up trenching and drilling has located gold and base metal mineralization in quartz veins. Gold geochemistry is generally low on surface.

Hence, mercury is considered to be the best pathfinder element in the area of the subject claims.

7.4.2 Rock Geochemistry

The following rock sample results are considered significant:

SAMPLE	VALUE	DESCRIPTION AND LOCATION
SM88-R457	80 ppb Au	Float; Light gray latite (?) with 40-50% quartz-calcite veinlets. Grid coordinates 5+40N 4+70W.
SM88-R484	55 ppb Au	Chip sample across 1 metre of argillic alteration zone. Grid coordinates 5+00N 8+00E.
SM88-R468	115 ppb Au	Float; Angular to subangular hematitic quartz vein material, 2 - 3% white mica. West-central part of Melinda claim.
SM88-R462	350 ppb Hg	Float; Angular volcanic rock exhibiting weak argillic alteration and silicification. Southeast corner of Geode claim.
SM88-R463	770 ppb Hg	Channel sample across 30 cm of volcanic rock exhibiting moderate argillic alteration with minor limonite and hematite. Southeast corner of Geode claim.

SM88-R464	410 ppb Hg	Chip sample across 3 metres of silicified, argillic altered zone, 20-30% quartz, minor hematite. Southeast corner of Geode claim.
SM88-R465	1500 ppb Hg	Chip sample across 2 metres of moderate argillic alteration zone grading into clay; 20-30% quartz fragments. Southeast corner of Geode claim.

The four mercury anomalies are clustered in the southeast corner of the Geode claim.

7.5 STREAM SEDIMENT GEOCHEMISTRY (Figure 5)

The following samples are considered anomalous:

SAMPLE	VALUE	LOCATION
SM88-T02	120 ppb Hg	Lone Cabin Creek tributary, southeast part of Geode claim.
SM88-T17	80 ppb Hg	Central part of Scarlet claim.
SM88-T18	80 ppb Hg	Central part of Scarlet claim.
SM88-T48	80 ppb Hg	Northeast corner of Melinda claim.

7.6 SOIL GEOCHEMISTRY

The soil sampling grid was laid out in the northeast part of the property. This location was chosen to cover the Hungry Valley Thrust Fault which has mercury associated with it in the area, and which could be a conduit for ascending mineralizing solutions. The grid was oriented at 40 degrees to parallel the strike of the gold-silver quartz veins at Blackdome Mountain.

7.6.1 Gold in Soil (Figure 6)

Range:	Not detected to 65 ppb
Mean:	.8716
Standard Deviation:	4.974
Background:	0-20 ppm
Anomalous:	20+ ppb

A total of nine single point anomalies exist in gold. The two highest results (60 and 65 ppb) are located at L6+00S 7+00W and L0 10+00E.

7.6.2 Mercury in Soil (Figure 7)

Range:	Not detected to 160 ppb
Mean:	26.972
Standard Deviation:	16.54
Background:	0-100 ppb
Anomalous:	100+ ppb

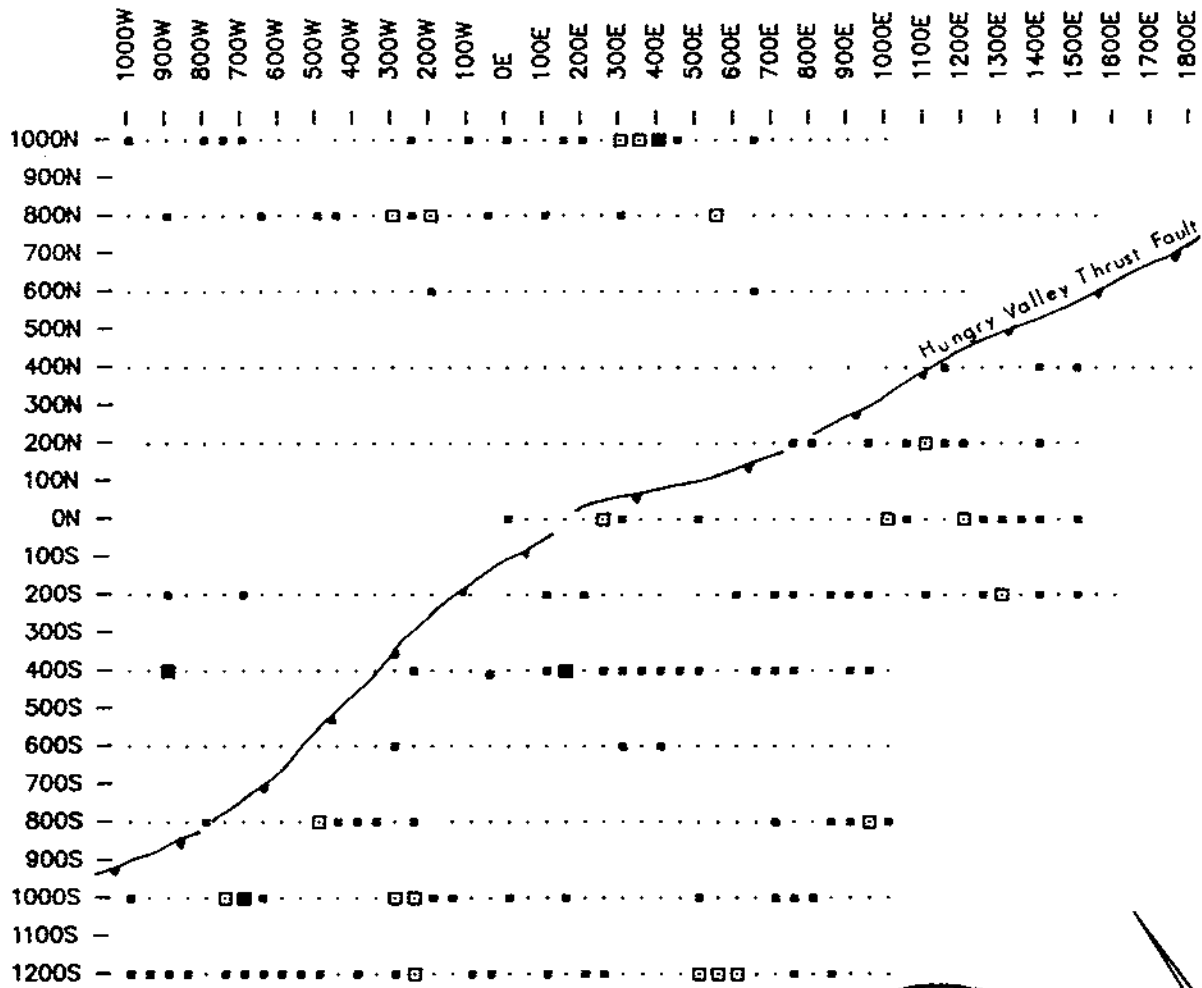
Ten spot mercury anomalies are scattered over the grid. The highest value (160 ppb) occurs at L4+00S 8+50W.

A two point anomaly (130 and 100 ppb) at L4+00N 17+50E and 18+00E is coincident with four anomalous values in rocks.

7.6.3 Arsenic and Zinc in Soil (Figures 8 and 9)

Four spot arsenic anomalies above 50 ppm and eight spot zinc anomalies above 150 ppm are scattered throughout the grid.

The purpose of Figures 8 and 9 is to illustrate the two distinct background populations corresponding to the two main rock types. South of the Hungry Valley Thrust Fault a higher background threshold exists in the Cretaceous sedimentary terrain as indicated by the high density of anomalies. North of the thrust fault in the Eocene volcanics the background threshold is lower.



- 20 to <35 ppm As
- 35 to <50 ppm As
- 50+ ppm As

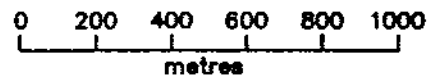
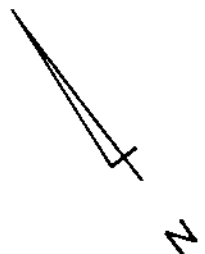
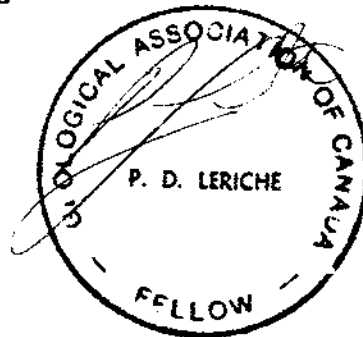
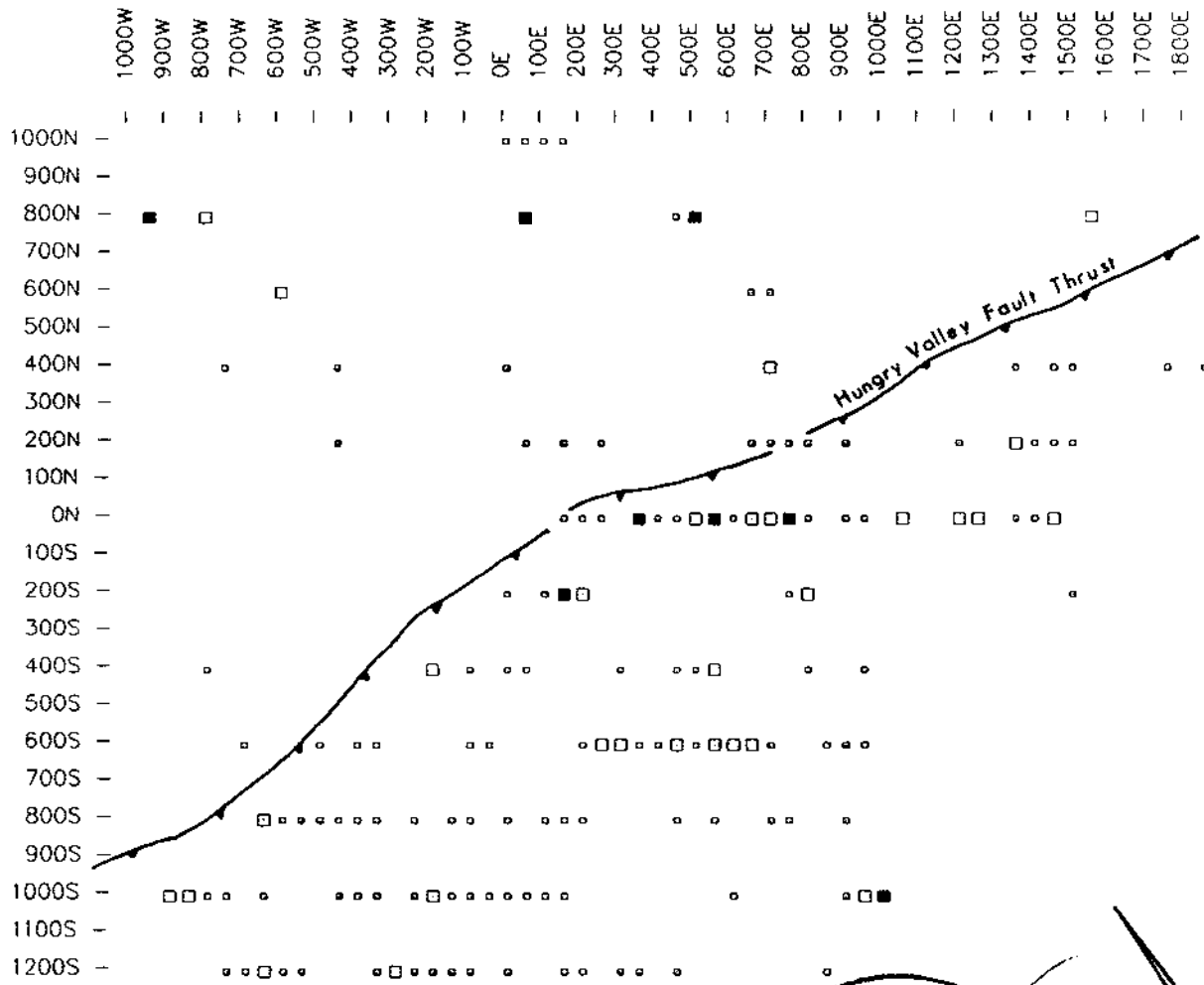


FIGURE 8

LEXINGTON RESOURCES LTD AND ISKUT GOLD CORP	
SYMBOL MAP ARSENIC IN SOILS	
Ashworth Explorations Limited	
DATE: 31 Oct 1988	SCALE: 1:20000
Drawn by: TONY CLARK CONSULTING	



- 100 to <125 ppm Zn
- 125 to <150 ppm Zn
- 150+ ppm Zn

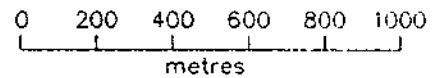
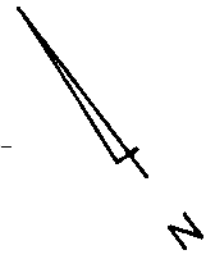
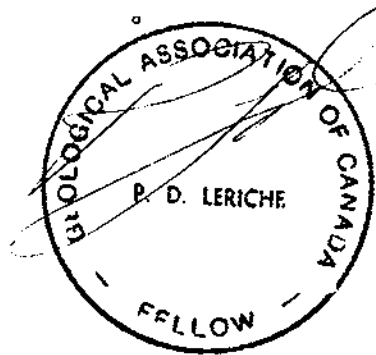


FIGURE 9

LEXINGTON RESOURCES LTD
AND
ISKUT GOLD CORP

SYMBOL MAP
ZINC IN SOILS

Ashworth Explorations Limited

DATE: 31 Oct 1988 SCALE: 1:20000

Drawn by: TONY CLARK CONSULTING

7.7 DISCUSSION OF RESULTS

The 1988 geological and geochemical surveys have delineated several areas which will require follow-up exploration work.

The main area of interest is in the southeast corner of the Geode claim. Four rock samples exhibiting strong argillic alteration and silicification were anomalous in mercury (350 to 1500 ppb Hg) and correspond with two mercury soil anomalies. Mercury is known to be the best pathfinder for epithermal gold mineralization in the Blackdome area.

Three rock samples were collected which were anomalous in gold (55, 80 and 115 ppb). The sample locations will require checking by geological mapping and rock sampling.

The 1988 surveys have covered approximately 30% of the claim group by soil geochemistry and 60% by geological mapping. Taking into consideration the favourable host rocks and close proximity to the Blackdome deposit, the remainder of the property should be covered by geological mapping and geochemical soil sampling to evaluate its potential.

8. CONCLUSIONS

Both writers conclude that the Stryker Claim Group has the potential to host an epithermal gold-silver vein deposit for the following reasons:

- The main host rock (Eocene volcanics) is favourable for hosting economic gold-silver quartz veins as seen at the Blackdome deposit.
- Anomalous values in gold and mercury from soils and rocks point towards the presence of an auriferous epithermal system on the subject claims.

For these reasons further exploration work is warranted and recommended.

9. RECOMMENDATIONS

Phase II

- 1) Lay out approximately 35 kilometres of grid to extend the present grid. Line spacings should be at 200 metres to maximize coverage over the property. In addition, layout approximately five kilometres of detailed grid to cover the anomalous area in the southeast corner of the Geode claim.
- 2) Soil sample the extended grid at 50 metre station spacings. Soil sample the detailed grid at 25 metre station spacings. Samples taken north and south of the Hungry Valley Thrust Fault should be treated statistically separately.
- 3) Geologically map and rock sample the unmapped areas of the property.

Phase III



Phase III is contingent upon targets being established from Phase II. It would consist of detailed soil sampling, mapping and backhoe trenching to establish drill targets.

10. PROPOSED BUDGET - PHASE II

(Project Geologist, 3 Geotechnicians - 13 field days)

Project Preparation	\$	1,200
Mob/Demob (includes transportation, freight and wages)		4,035
Field Crew		12,415
Field Costs		13,525
Lab Analysis		16,300
Supervision and Report		<u>5,725</u>
Sub-total	\$	53,200
Administration 15%		<u>7,980</u>
Total		<u>61,180</u>
	(Say \$	<u>61,000</u>)

Respectfully submitted

Peter D. Leriche, B.Sc., F.G.A.C.

PERSONNEL

The following personnel were employed during the 1988 Field Program on the Stryker Claim Group:

Fayz Yacoub	Project Geologist
Robert Paeseler	Senior Geotechnician
Andrew Molnar	Geotechnician
Patrick Wilson	Geotechnician

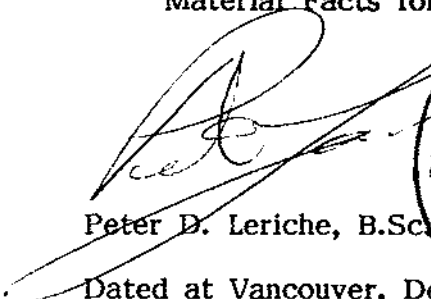
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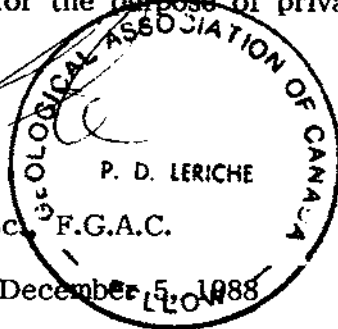
CERTIFICATE

I, PETER D. LERICHE, of 3126 West 12th Avenue, Vancouver, B.C., V6K 2R7, do hereby state that:

1. I am a graduate of McMaster University, Hamilton, Ontario, with a Bachelor of Science Degree in Geology, 1980.
2. I am a Fellow in good standing with the Geological Association of Canada.
3. I have actively pursued my career as a geologist for nine years in British Columbia, Ontario, Yukon and Northwest Territories, Arizona, Nevada and California.
4. The information, opinions, and recommendations in this report are based on fieldwork carried out under my direction, and on published and unpublished literature. I was present on the subject property on August 24, 1988.
5. I have no interest, direct or indirect, in the subject claims or the securities of Lexington Resources Ltd. or Iskut Gold Corp.
6. I consent to the use of this report in a Prospectus or Statement of Material Facts for the purpose of private or public financing.


Peter D. Leriche, B.Sc., F.G.A.C.

Dated at Vancouver, December 5, 1988



CERTIFICATE

I, FAYZ F. YACOUB, of 13031 - 64th Avenue, Surrey, British Columbia, V3W 1X8, do hereby declare:

1. That I am a graduate in geology and chemistry from Assuit University, Egypt (B.Sc. 1967), and Mining Exploration Geology of the International Institute for Aerial Survey and Earth Sciences (I.T.C.), Holland (Diploma 1978).
2. I have actively pursued my career as a geologist for the past fifteen years.
3. The information, opinions, and recommendations in this report are based on fieldwork carried out by myself, and on published and unpublished literature. I was present on the subject property on September 7 to 19, 1988.
4. I have no interest, direct or indirect, in the subject claims or the securities of Lexington Resources Ltd. or Iskut Gold Corp.
5. I consent to the use of this report in a Prospectus or Statement of Material Facts for the purpose of private or public financing.



Fayz F. Yacoub, B.Sc.

Dated at Vancouver, December 5, 1988

ITEMIZED COST STATEMENT - STRYKER CLAIM GROUP

(One Geologist, Three Geotechnicians;
September 9 - 18, 1988; 10 field days)

Project Preparation		\$	800
Mob/Demob (includes transportation, freight and wages)			6,500
<u>Field Crew</u>			
Project Geologist \$275/day x 10 days	\$	2,750	
3 Geotechnicians \$210/day x 30 mandays		<u>6,300</u>	9,050
<u>Field Costs</u>			
Helicopter Support \$650/hr x 7 hrs	\$	4,550	
Food and Accommodation \$70/day x 40 mandays		2,800	
Expediting		200	
Communications \$50/day x 10 days		500	
Supplies		500	
1 4X4 Truck \$110/day x 10 days		<u>1,100</u>	9,650
<u>Lab Analysis</u>			
592 silt and soil samples @ \$19.50/sample	\$	11,544	
Fire assay Au/AA, Hg, Multi-element ICP			
36 rock samples @\$21.75/sample		783	
Fire assay Au/AA, Hg, Multi-element ICP			
Thin Section Analysis \$70/section x 10		<u>700</u>	13,027
Supervision and Report			<u>6,300</u>
Sub-total	\$		45,327
Administration 15%			<u>6,799</u>
Total	\$		<u>52,126</u>

APPENDIX A
ROCK SAMPLE DESCRIPTIONS

**STRYKER CLAIM GROUP
ROCK SAMPLE DESCRIPTIONS**

SAMPLE NO.	DESCRIPTION	WIDTH (cm)
SM88-R451	Float; Light brown to gray rusty volcanic, 10-15% iron oxides, mainly hematite.	
SM88-R452	Chip; Light brown oxidized zone of volcanic rocks, limonite staining, remnant of volcanic fragments.	200
SM88-R453	Channel; Dark brown rusty altered zone of volcanic rock with 3-4mm wide calcite veinlets.	100
SM88-R454	Channel; Volcanic rocks with 3-4 mm wide calcite veinlets.	30
SM88-R455	Chip; Light to dark brown rusty volcanic rock with numerous calcite veinlets 1-3mm wide, no mineralization.	200
SM88-R456	Float; Subangular quartz vein material, one square foot in size. White sugary quartz with light brown weathered surface. No obvious sulphides.	
SM88-R457	Float; Subangular volcanic rock, 40-50% quartz-calcite veinlets in light gray volcanic matrix.	
SM88-R458	Float; Angular quartz vein material, white sugary quartz with dark green to black biotite.	
SM88-R459	Float; Angular local green volcanic rock with 50-60% green volcanic glass, 1-2% calcite.	
SM88-R460	Channel; Rusty volcanic zone, dark brown weathered limonite, excess of iron oxides, minor calcite.	30
SM88-R461	Float; Subangular, light brown, hematitic sugary quartz vein material with minor muscovite.	
SM88-R462	Float; Angular local volcanic rock, minor argillic alteration, 50% quartz fragments, limonite and minor hematite.	

SM88-R463	Channel; Light brown to reddish volcanic subcrop with 20-30% quartz fragments, moderate argillic alteration, minor limonite and hematite.	30
SM88-R464	Chip; Silicified argillic alteration zone with 20-30% secondary quartz, minor hematite.	300
SM88-R465	Chip; Moderate argillic alteration zone, 40% clay minerals, 20-30% quartz fragments, minor hematite.	200
SM88-R466	Float; Subangular altered volcanic, over 60% combined white and light brown hematitic quartz, minor iron staining, remnants of light gray volcanic fragments.	
SM88-R467	Float; Angular quartz vein material, no mineralization.	
SM88-R468	Float; Angular to subangular 2'X2' size quartz material, light brown hematitic quartz with 2-3% white mica.	
SM88-R469	Chip; Light green to dark green glassy volcanic with occasional veinlets and patches of chalcedony.	400
SM88-R470	Chip; Light green to dark brown altered volcanic tuff with 5% limonite.	100
SM88-R471	Chip; Brown weathered volcanic outcrop, minor silicification, no mineralization.	100
SM88-R472	Chip; Small argillic alteration zone, buff to light brown altered rock going into clay with occasional calcite veinlets.	100
SM88-R473	Float; Sugary quartz coated with quartz chalcedony. No obvious mineralization.	
SM88-R474	Float; Angular quartz vein material, reddish to dark brown hematitic quartz with minor muscovite.	
SM88-R475	Float; Light brown to reddish quartz vein material, 5-10% white to light brown biotite. Subangular, 1'X2'.	

SM88-R476	Float; Angular sugary quartz vein material with 5% white mica. Vugs filled with rusty Fe oxides.	
SM88-R477	Chip; Olive green altered serpentized outcrop, dark weathered surface and calcite veinlets.	200
SM88-R478	Chip; Small argillic alteration zone of light to dark brown amygdaloidal volcanic subcrop, moderately altered.	300
SM88-R479	Chip; Altered green volcanics, brecciated with numerous quartz stringers, light brown weathering surfaces.	200
SM88-R480	Chip; Light green silicified volcanics, 10-15% injected quartz, brecciated with rusty light brown weathering surfaces. No mineralization.	1000
SM88-R481	Chip; Buff, reddish to olive green volcanics, minor silicification and argillic alteration.	500
SM88-R482	Float; Chalcedony quartz, amygdaloidal texture on surface, massive white barren quartz. No sulphides.	
SM88-R483	Chip; Dark brown, hematitic altered volcanics with 10-20% limonite in cavities and on fracture surfaces, white calcite veinlets 1-2mm wide.	300
SM88-R484	Chip; Small argillic alteration zone, light gray, soft volcanics going into clay. No sulphides.	100
SM88-R485	Chip; Light gray volcanics, amygdaloidal texture, weak to moderate argillic alteration with 15-20% clay.	300
SM88-R486	Chip; Rusty, light to dark brown volcanics with strong oxidation, excess of limonite and hematite on fracture surfaces. No obvious mineralization.	200

APPENDIX B
ANALYTICAL REPORTS



Chemex Labs Ltd.

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

To: ASHWORTH EXPLORATIONS LTD.

718 - 744 W. HASTINGS ST.
 VANCOUVER, BC
 V6C 1A5

A8824340

Comments:

CERTIFICATE A8824340

ASHWORTH EXPLORATIONS LTD.

PROJECT : 232
 P.O.# : NONE

Samples submitted to our lab in Vancouver, BC.
 This report was printed on 5-OCT-88.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	36	Rock Geochem: Crush, split, ring
238	36	ICP: Aqua regia digestion

* NOTE 1:

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

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
100	36	Au ppb: Fuse 10 g sample	FA-AAS	5	10000
20	36	Hg ppb: HNO ₃ -HCl digestion	AAS-FLAMELESS	10	100000
921	36	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
922	36	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	200
923	36	As ppm: 32 element, soil & rock	ICP-AES	5	10000
924	36	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
925	36	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
926	36	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
927	36	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
928	36	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
929	36	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
930	36	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
931	36	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
932	36	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
933	36	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
934	36	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
934	36	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
935	36	La ppm: 32 element, soil & rock	ICP-AES	10	10000
936	36	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
937	36	Mn ppm: 32 element, soil & rock	ICP-AES	1	10000
938	36	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
939	36	Na %: 32 element, soil & rock	ICP-AES	0.01	5.00
940	36	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
941	36	P ppm: 32 element, soil & rock	ICP-AES	10	10000
942	36	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
943	36	Sb ppm: 32 element, soil & rock	ICP-AES	5	10000
938	36	Sc ppm: 32 elements, soil & rock	ICP-AES	1	100000
944	36	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
945	36	Ti %: 32 element, soil & rock	ICP-AES	0.01	5.00
946	36	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
947	36	U ppm: 32 element, soil & rock	ICP-AES	10	10000
948	36	V ppm: 32 element, soil & rock	ICP-AES	1	10000
949	36	W ppm: 32 element, soil & rock	ICP-AES	5	10000
950	36	Zn ppm: 32 element, soil & rock	ICP-AES	5	10000



Chemex Labs Ltd.

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10: ASHWORTH EXPLORATIONS LTD.

718 - 744 W. HASTINGS ST.
 VANCOUVER, BC
 V6C 1A5

Project: 232
 Comments:

Page No. 1-A
 Tot. Pages: 1
 Date: 5-OCT-88
 Invoice #: 1-8824340
 P.O. #: NONE

CERTIFICATE OF ANALYSIS A8824340

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Hg ppb	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
SMB ER-451	205 238	< 5	20	0.61	< 0.2	< 5	100	< 0.5	< 2	0.18	< 0.5	5	26	51	1.95	< 10	< 1	0.20	10	0.23
SMB ER-452	205 238	< 5	30	2.17	< 0.2	100	130	< 0.5	2	0.73	< 0.5	26	150	55	3.72	< 10	< 1	0.25	< 10	1.00
SMB ER-453	205 238	< 5	20	2.28	< 0.2	10	50	< 0.5	2	4.97	< 0.5	24	100	62	4.13	< 10	< 1	0.05	< 10	1.94
SMB ER-454	205 238	< 5	20	1.83	< 0.2	40	50	< 0.5	< 2	4.88	< 0.5	37	218	52	3.72	< 10	< 1	0.06	< 10	2.37
SMB ER-455	205 238	< 5	20	1.39	< 0.2	370	70	< 0.5	< 2	5.93	< 0.5	43	260	41	5.99	< 10	< 1	0.06	< 10	2.31
SMB ER-456	205 238	< 5	20	1.28	< 0.2	120	130	< 0.5	4	0.59	< 0.5	8	33	27	2.80	< 10	< 1	0.39	< 10	0.70
SMB ER-457	205 238	80	20	0.60	< 0.2	< 5	40	< 0.5	< 2	3.28	< 0.5	51	1305	47	3.92	< 10	< 1	< 0.01	< 10	12.65
SMB ER-458	205 238	< 5	10	0.48	< 0.2	< 5	50	< 0.5	6	0.07	< 0.5	4	237	11	0.84	< 10	< 1	0.27	< 10	0.28
SMB ER-459	205 238	< 5	50	0.66	< 0.2	55	220	< 0.5	2	2.08	< 0.5	24	76	29	2.53	< 10	< 1	0.31	< 10	0.28
SMB ER-460	205 238	< 5	10	0.61	0.2	< 5	180	< 0.5	2	1.03	< 0.5	17	143	47	3.91	< 10	< 1	0.09	10	0.37
SMB ER-461	205 238	< 5	10	0.03	< 0.2	5	< 10	< 0.5	< 2	0.01	< 0.5	1	179	12	0.26	< 10	< 1	0.01	< 10	0.01
SMB ER-462	205 238	< 5	350	0.24	0.2	5	10	< 0.5	< 2	0.66	< 0.5	1	37	7	0.57	< 10	1	0.02	20	0.02
SMB ER-463	205 238	< 5	770	0.55	< 0.2	5	10	< 0.5	< 2	2.97	< 0.5	< 1	61	3	0.56	10	1	0.04	10	0.05
SMB ER-464	205 238	< 5	410	0.63	0.2	10	10	< 0.5	< 2	0.96	< 0.5	2	76	8	0.61	10	< 1	0.03	20	0.03
SMB ER-465	205 238	< 5	1500	0.58	0.2	5	10	< 0.5	< 2	0.57	< 0.5	1	85	3	0.87	< 10	< 1	0.01	20	0.12
SMB ER-466	205 238	< 5	50	0.54	0.2	10	10	< 0.5	< 2	0.50	< 0.5	27	111	16	2.49	< 10	< 1	0.01	20	0.08
SMB ER-467	205 238	< 5	40	0.81	0.2	5	190	< 0.5	< 2	1.10	< 0.5	2	191	28	0.48	< 10	1	0.23	< 10	0.05
SMB ER-468	205 238	115	20	0.12	< 0.2	10	< 10	< 0.5	22	0.01	< 0.5	< 1	157	19	0.35	< 10	< 1	0.04	< 10	< 0.01
SMB ER-469	205 238	< 5	20	1.68	0.6	< 5	30	< 0.5	2	0.50	< 0.5	14	106	132	2.31	< 10	< 1	0.31	10	1.13
SMB ER-470	205 238	< 5	30	1.50	0.4	5	40	< 0.5	< 2	0.64	< 0.5	26	188	98	3.52	< 10	1	0.19	10	1.48
SMB ER-471	205 238	< 5	60	0.36	< 0.2	30	30	< 0.5	< 2	3.00	< 0.5	4	17	8	2.04	10	< 1	0.10	< 10	0.12
SMB ER-472	205 238	< 5	20	1.22	0.2	< 5	140	< 0.5	< 2	0.69	< 0.5	13	16	35	4.11	< 10	< 1	0.17	10	0.48
SMB ER-473	205 238	< 5	20	0.03	0.2	< 5	10	< 0.5	< 2	0.75	< 0.5	< 1	252	9	0.28	< 10	< 1	< 0.01	< 10	0.01
SMB ER-474	205 238	< 5	20	0.03	< 0.2	< 5	< 10	< 0.5	< 2	0.01	< 0.5	< 1	210	9	0.37	< 10	< 1	< 0.01	< 10	0.01
SMB ER-475	205 238	< 5	30	0.39	< 0.2	< 5	30	< 0.5	< 2	0.03	< 0.5	3	169	13	0.82	< 10	< 1	0.23	< 10	0.23
SMB ER-476	205 238	< 5	20	0.06	< 0.2	< 5	40	< 0.5	4	2.11	< 0.5	5	142	9	1.13	< 10	< 1	0.01	< 10	1.00
SMB ER-477	205 238	< 5	20	0.59	< 0.2	5	40	< 0.5	< 2	1.60	< 0.5	13	61	98	2.37	< 10	< 1	0.15	< 10	0.93
SMB ER-478	205 238	< 5	10	0.79	0.4	20	120	0.5	2	0.42	< 0.5	11	75	50	1.34	< 10	< 1	0.27	20	0.58
SMB ER-479	205 238	< 5	70	1.13	0.2	< 5	590	< 0.5	< 2	0.55	< 0.5	9	42	32	1.22	< 10	< 1	0.54	10	0.57
SMB ER-480	205 238	< 5	20	0.68	< 0.2	< 5	160	< 0.5	< 2	0.29	< 0.5	8	39	36	1.19	< 10	< 1	0.47	10	0.61
SMB ER-481	205 238	< 5	20	0.40	0.2	< 5	60	< 0.5	< 2	0.35	< 0.5	10	2	20	2.15	< 10	< 1	0.38	10	0.37
SMB ER-482	205 238	< 5	10	0.02	< 0.2	5	< 10	< 0.5	< 2	0.01	< 0.5	1	272	9	0.40	< 10	< 1	< 0.01	< 10	0.01
SMB ER-483	205 238	< 5	20	0.64	< 0.2	15	90	< 0.5	2	3.24	< 0.5	17	10	13	4.29	< 10	1	0.13	< 10	0.82
SMB ER-484	205 238	55	90	2.00	0.4	25	160	2.0	2	0.70	< 0.5	49	57	81	2.73	10	< 1	0.27	60	0.69
SMB ER-485	205 238	< 5	30	1.52	< 0.2	< 5	40	< 0.5	< 2	1.05	< 0.5	44	192	52	5.84	< 10	< 1	0.07	< 10	1.02
SMB ER-486	205 238	< 5	20	1.80	< 0.2	< 5	40	< 0.5	< 2	1.15	0.5	16	153	34	2.22	< 10	< 1	0.04	< 10	0.93

CERTIFICATION : *B. Campbell*



Chemex Labs Ltd.

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10: ASHWORTH LABORATORIES LTD.

718 - 744 W. HASTINGS ST.
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Project : 232
 Comments :

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 P.O. # : NONE

CERTIFICATE OF ANALYSIS A8824340

SAMPLE DESCRIPTION	PREP CODE	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
SMBR-451	205 238	162	1	0.07	5	430	6	< 5	3	9	0.08	< 10	< 10	22	< 5	65
SMBR-452	205 238	496	2	0.14	159	460	< 2	< 5	15	93	0.06	< 10	< 10	110	< 5	68
SMBR-453	205 238	914	< 1	0.24	119	610	< 2	< 5	19	132	0.10	< 10	< 10	105	5	74
SMBR-454	205 238	894	< 1	0.25	178	430	4	< 5	15	178	0.10	< 10	< 10	95	5	68
SMBR-455	205 238	1350	1	0.19	371	400	< 2	< 5	21	151	0.06	< 10	< 10	155	5	87
SMBR-456	205 238	518	< 1	0.07	3	530	10	< 5	3	35	0.17	< 10	< 10	69	5	56
SMBR-457	205 238	577	2	< 0.01	1195	< 10	< 2	5	6	318	< 0.01	50	< 10	23	< 5	36
SMBR-458	205 238	82	< 1	0.02	18	200	2	< 5	1	4	0.04	< 10	< 10	5	< 5	17
SMBR-459	205 238	1550	1	0.09	78	620	< 2	< 5	6	50	0.15	< 10	< 10	54	< 5	34
SMBR-460	205 238	1980	1	0.05	85	990	4	< 5	12	34	0.08	< 10	< 10	91	5	59
SMBR-461	205 238	30	< 1	< 0.01	3	< 10	2	< 5	< 1	1	< 0.01	< 10	< 10	< 1	< 5	3
SMBR-462	205 238	162	1	< 0.01	2	60	14	< 5	1	15	< 0.01	< 10	< 10	5	< 5	19
SMBR-463	205 238	199	1	< 0.01	1	60	18	< 5	1	184	< 0.01	10	< 10	< 1	5	19
SMBR-464	205 238	156	1	< 0.01	< 1	30	12	< 5	1	25	< 0.01	< 10	< 10	1	< 5	15
SMBR-465	205 238	184	1	< 0.01	1	40	10	< 5	2	9	< 0.01	< 10	< 10	1	< 5	22
SMBR-466	205 238	46	1	0.05	26	190	12	< 5	2	44	0.21	< 10	< 10	14	< 5	16
SMBR-467	205 238	204	1	0.12	1	90	4	< 5	< 1	336	0.02	< 10	< 10	6	< 5	15
SMBR-468	205 238	25	< 1	0.02	2	20	10	< 5	< 1	2	< 0.01	< 10	< 10	< 1	< 5	6
SMBR-469	205 238	96	< 1	0.05	77	300	2	< 5	6	59	0.05	10	< 10	28	< 5	44
SMBR-470	205 238	403	1	0.04	121	590	4	< 5	6	53	0.11	< 10	< 10	55	< 5	76
SMBR-471	205 238	1895	2	0.02	21	570	6	< 5	4	28	< 0.01	< 10	< 10	34	< 5	55
SMBR-472	205 238	1810	1	0.06	12	850	4	< 5	11	60	0.07	< 10	< 10	87	10	106
SMBR-473	205 238	171	< 1	< 0.01	1	10	2	< 5	< 1	6	< 0.01	< 10	< 10	2	< 5	3
SMBR-474	205 238	44	< 1	< 0.01	2	30	16	< 5	< 1	1	< 0.01	< 10	< 10	2	< 5	3
SMBR-475	205 238	56	< 1	0.01	8	120	16	< 5	< 1	2	0.03	< 10	< 10	6	< 5	25
SMBR-476	205 238	1025	< 1	< 0.01	7	130	2	< 5	1	88	< 0.01	< 10	< 10	2	< 5	18
SMBR-477	205 238	903	< 1	0.03	84	460	2	< 5	8	21	0.01	< 10	< 10	42	< 5	29
SMBR-478	205 238	264	< 1	0.06	35	880	8	< 5	8	32	0.02	< 10	< 10	67	< 5	64
SMBR-479	205 238	119	< 1	0.03	19	450	6	< 5	4	106	0.06	< 10	< 10	19	5	33
SMBR-480	205 238	91	< 1	0.03	17	450	8	< 5	2	34	0.06	< 10	< 10	18	< 5	32
SMBR-481	205 238	268	< 1	0.03	2	880	2	< 5	3	10	0.22	< 10	< 10	34	< 5	52
SMBR-482	205 238	48	< 1	< 0.01	8	10	< 2	< 5	< 1	< 1	< 0.01	< 10	< 10	2	< 5	3
SMBR-483	205 238	3860	< 1	0.05	5	1320	6	< 5	15	17	0.23	< 10	< 10	99	5	70
SMBR-484	205 238	790	1	0.01	80	290	22	< 5	11	49	0.01	< 10	< 10	21	< 5	98
SMBR-485	205 238	1130	< 1	0.13	196	410	< 2	< 5	22	57	0.11	< 10	< 10	123	< 5	91
SMBR-486	205 238	246	< 1	0.27	90	510	< 2	< 5	5	118	0.07	< 10	< 10	57	< 5	37

CERTIFICATION: *B. Caplin*



Chemex Labs Ltd.

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VANCOUVER, BC
V6C 1A5

A8824341

Comments:

CERTIFICATE A8824341

ANALYTICAL PROCEDURES

ASHWORTH EXPLORATIONS LTD.

PROJECT : 232

P.O.# : NONE

Samples submitted to our lab in Vancouver, BC.

This report was printed on 4-OCT-88.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201	183	Dry, sieve -80 mesh; soil, sed.
203	13	Dry, sieve -35 mesh and ring
217	13	Geochem: Ring only, no crush/split
238	200	ICP: Aqua regia digestion

* NOTE 1:

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

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
100	200	Au ppb: Fuse 10 g sample	FA-AAS	5	10000
20	200	Hg ppb: HNO ₃ -HCl digestion	AAS-FLAMELESS	10	100000
921	200	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
922	200	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	200
923	200	As ppm: 32 element, soil & rock	ICP-AES	5	10000
924	200	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
925	200	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
926	200	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
927	200	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
928	200	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
929	200	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
930	200	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
931	200	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
932	200	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
933	200	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
934	200	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
934	200	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
935	200	La ppm: 32 element, soil & rock	ICP-AES	10	10000
936	200	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
937	200	Mn ppm: 32 element, soil & rock	ICP-AES	1	10000
938	200	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
939	200	Na %: 32 element, soil & rock	ICP-AES	0.01	5.00
940	200	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
941	200	P ppm: 32 element, soil & rock	ICP-AES	10	10000
942	200	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
943	200	Sb ppm: 32 element, soil & rock	ICP-AES	5	10000
938	200	Sc ppm: 32 elements, soil & rock	ICP-AES	1	100000
944	200	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
945	200	Ti %: 32 element, soil & rock	ICP-AES	0.01	5.00
946	200	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
947	200	U ppm: 32 element, soil & rock	ICP-AES	10	10000
948	200	V ppm: 32 element, soil & rock	ICP-AES	1	10000
949	200	W ppm: 32 element, soil & rock	ICP-AES	5	10000
950	200	Zn ppm: 32 element, soil & rock	ICP-AES	5	10000



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PHONE (604) 984-0221

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Project: 232

Comments:

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CERTIFICATE OF ANALYSIS A8824341

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Hg ppb	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
SMB8 LO 0+000	201 238	< 5	40	2.13	< 0.2	25	150	< 0.5	< 2	0.89	< 0.5	29	119	49	4.35	< 10	1	0.11	20	1.60
SMB8 LO 0+050	201 238	< 5	50	1.33	< 0.2	10	120	< 0.5	< 2	0.55	< 0.5	18	53	25	3.02	< 10	< 1	0.08	10	0.87
SMB8 LO 0+100	201 238	< 5	80	3.44	< 0.2	< 5	240	< 0.5	< 2	0.77	< 0.5	19	67	39	4.13	< 10	1	0.17	20	1.06
SMB8 LO 0+150	201 238	< 5	30	3.33	< 0.2	< 5	220	< 0.5	< 2	0.67	< 0.5	16	55	26	3.98	< 10	1	0.24	20	0.89
SMB8 LO 0+200	201 238	< 5	40	4.57	< 0.2	< 5	220	< 0.5	< 2	1.17	< 0.5	18	48	45	4.23	< 10	1	0.18	20	1.14
SMB8 LO 0+250	201 238	< 5	40	4.59	< 0.2	< 5	180	< 0.5	< 2	1.22	< 0.5	15	42	44	4.07	< 10	< 1	0.22	20	1.08
SMB8 LO 0+300	201 238	< 5	30	4.59	< 0.2	< 5	530	< 0.5	< 2	1.23	0.5	19	34	50	4.07	< 10	2	0.22	20	1.25
SMB8 LO 0+350	201 238	< 5	40	4.46	< 0.2	< 5	310	< 0.5	< 2	1.19	< 0.5	21	41	64	4.48	< 10	< 1	0.11	20	1.43
SMB8 LO 0+400	201 238	< 5	20	5.32	< 0.2	< 5	360	< 0.5	< 2	1.20	0.5	19	42	44	4.53	< 10	< 1	0.20	20	1.34
SMB8 LO 0+450	201 238	< 5	20	4.62	< 0.2	10	430	< 0.5	< 2	1.16	< 0.5	19	36	39	4.36	< 10	< 1	0.33	20	1.24
SMB8 LO 0+500	201 238	< 5	20	4.88	< 0.2	15	400	< 0.5	< 2	1.03	< 0.5	17	40	43	4.21	< 10	1	0.25	20	1.15
SMB8 LO 0+550	201 238	< 5	10	2.88	< 0.2	< 5	250	< 0.5	< 2	0.51	< 0.5	6	53	18	3.25	< 10	1	0.12	10	0.66
SMB8 LO 0+600	201 238	< 5	20	2.91	< 0.2	< 5	260	< 0.5	< 2	0.48	< 0.5	12	61	24	3.19	< 10	< 1	0.13	10	0.68
SMB8 LO 0+650	201 238	< 5	10	2.66	< 0.2	< 5	330	< 0.5	< 2	0.48	< 0.5	8	46	21	3.04	< 10	< 1	0.15	10	0.57
SMB8 LO 0+700	201 238	< 5	20	1.97	< 0.2	< 5	210	< 0.5	< 2	0.52	< 0.5	8	47	19	2.43	< 10	1	0.07	10	0.64
SMB8 LO 0+750	201 238	< 5	120	0.73	< 0.2	< 5	110	< 0.5	< 2	2.78	< 0.5	< 1	9	59	0.90	< 10	1	< 0.01	< 10	0.33
SMB8 LO 0+800	201 238	< 5	30	2.00	< 0.2	< 5	150	< 0.5	< 2	0.42	< 0.5	8	49	17	2.85	< 10	< 1	0.06	10	0.71
SMB8 LO 0+850	201 238	< 5	20	2.92	< 0.2	< 5	230	< 0.5	< 2	0.53	< 0.5	7	46	21	3.38	< 10	< 1	0.10	10	0.75
SMB8 LO 0+900	201 238	< 5	20	3.77	< 0.2	< 5	190	< 0.5	< 2	0.53	< 0.5	19	60	30	3.64	< 10	< 1	0.12	10	0.97
SMB8 LO 0+950	201 238	< 5	20	2.52	< 0.2	< 5	220	< 0.5	< 2	0.57	< 0.5	7	46	20	3.19	< 10	< 1	0.08	10	0.67
SMB8 LO 0+1000	201 238	65	120	1.39	< 0.2	10	130	< 0.5	< 2	2.27	< 0.5	6	21	51	1.63	< 10	< 1	0.02	10	0.30
SMB8 LO 00+50E	201 238	< 5	30	2.00	< 0.2	< 5	200	< 0.5	< 2	0.68	< 0.5	17	36	24	3.22	< 10	< 1	0.11	20	0.91
SMB8 LO 01+00E	201 238	< 5	20	4.04	< 0.2	< 5	220	< 0.5	< 2	0.82	< 0.5	18	50	31	3.88	< 10	< 1	0.12	10	1.06
SMB8 LO 01+50E	201 238	< 5	20	5.09	< 0.2	10	220	< 0.5	< 2	0.47	< 0.5	19	61	25	4.55	< 10	< 1	0.10	10	0.97
SMB8 LO 02+00E	201 238	< 5	30	5.92	< 0.2	< 5	250	< 0.5	< 2	0.97	< 0.5	19	35	35	4.59	< 10	2	0.10	10	1.17
SMB8 LO 02+50E	201 238	< 5	30	5.83	< 0.2	40	180	< 0.5	< 2	0.62	< 0.5	46	220	43	6.34	< 10	2	0.07	10	1.79
SMB8 LO 03+00E	201 238	< 5	30	6.38	< 0.2	25	200	< 0.5	2	1.45	< 0.5	19	38	45	4.72	< 10	1	0.14	10	1.16
SMB8 LO 03+50E	201 238	< 5	40	4.68	< 0.2	< 5	200	< 0.5	2	0.49	0.5	20	37	24	3.98	10	< 1	0.10	10	0.81
SMB8 LO 04+00E	201 238	< 5	30	4.65	< 0.2	< 5	220	< 0.5	4	0.57	0.5	19	35	23	3.99	10	< 1	0.09	10	0.84
SMB8 LO 04+50E	201 238	< 5	30	5.78	< 0.2	< 5	260	< 0.5	4	0.75	< 0.5	20	52	37	4.40	10	1	0.09	10	1.22
SMB8 LO 05+00E	201 238	< 5	20	7.05	< 0.2	20	250	< 0.5	< 2	0.80	< 0.5	19	42	39	4.92	10	1	0.12	10	1.26
SMB8 LO 05+50E	201 238	< 5	30	6.37	< 0.2	15	240	< 0.5	< 2	0.54	< 0.5	20	39	37	4.54	10	< 1	0.12	10	1.11
SMB8 LO 06+00E	201 238	< 5	30	6.02	< 0.2	15	300	< 0.5	2	0.73	< 0.5	21	37	41	4.04	< 10	< 1	0.11	10	1.01
SMB8 LO 06+50E	201 238	< 5	40	7.12	< 0.2	< 5	270	< 0.5	2	0.85	< 0.5	20	40	46	4.64	10	< 1	0.14	10	1.13
SMB8 LO 07+00E	201 238	< 5	30	6.29	< 0.2	< 5	180	< 0.5	< 2	0.68	< 0.5	21	41	36	4.66	10	< 1	0.11	10	1.10
SMB8 LO 07+50E	201 238	< 5	50	4.55	< 0.2	15	130	< 0.5	< 2	1.02	< 0.5	21	33	29	4.11	< 10	< 1	0.15	10	0.90
SMB8 LO 08+00E	201 238	< 5	30	6.94	< 0.2	< 5	290	< 0.5	< 2	1.05	< 0.5	18	43	43	5.15	10	< 1	0.06	10	1.25
SMB8 LO 08+50E	201 238	< 5	30	5.70	< 0.2	< 5	190	< 0.5	6	1.65	< 0.5	19	33	57	4.44	10	< 1	0.07	20	1.28
SMB8 LO 09+00E	201 238	< 5	40	5.15	< 0.2	< 5	200	< 0.5	< 2	0.93	< 0.5	19	37	33	4.73	10	< 1	0.26	10	0.95
SMB8 LO 09+50E	201 238	< 5	30	5.25	< 0.2	5	180	< 0.5	< 2	1.14	< 0.5	22	31	56	4.43	< 10	< 1	0.16	10	1.04

CERTIFICATION :

B. Coughlin



Chemex Labs Ltd.

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Project: 232
 Comments:

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CERTIFICATE OF ANALYSIS A8824341

SAMPLE DESCRIPTION	PREP CODE	Mn ppm	Mb 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
SMB8 LO 0+000	201 238	1230	2	0.10	123	580	10	5	12	132	0.09	< 10	< 10	88	5	92
SMB8 LO 0+050	201 238	717	2	0.04	64	560	< 2	< 5	6	79	0.08	< 10	< 10	65	< 5	57
SMB8 LO 0+100	201 238	510	1	0.02	62	520	6	< 5	12	164	0.19	< 10	< 10	96	< 5	96
SMB8 LO 0+150	201 238	454	1	0.03	34	340	< 2	< 5	10	191	0.26	< 10	< 10	105	< 5	98
SMB8 LO 0+200	201 238	411	1	0.03	39	570	2	5	12	266	0.12	< 10	< 10	100	< 5	72
SMB8 LO 0+250	201 238	471	1	0.03	31	430	< 2	< 5	12	269	0.17	< 10	< 10	104	< 5	77
SMB8 LO 0+300	201 238	417	1	0.05	26	410	2	< 5	12	635	0.09	< 10	< 10	114	< 5	71
SMB8 LO 0+350	201 238	530	1	0.06	35	440	6	< 5	13	477	0.08	< 10	< 10	118	< 5	74
SMB8 LO 0+400	201 238	438	2	0.03	25	630	< 2	< 5	14	411	0.13	< 10	< 10	120	< 5	88
SMB8 LO 0+450	201 238	442	< 1	0.03	24	430	< 2	< 5	12	608	0.16	< 10	< 10	134	< 5	81
SMB8 LO 0+500	201 238	333	< 1	0.03	26	350	< 2	< 5	13	466	0.14	< 10	< 10	121	< 5	77
SMB8 LO 0+550	201 238	257	< 1	0.02	30	320	< 2	< 5	7	182	0.21	< 10	< 10	86	< 5	80
SMB8 LO 0+600	201 238	238	< 1	0.02	37	280	< 2	< 5	7	166	0.19	< 10	< 10	82	< 5	64
SMB8 LO 0+650	201 238	260	< 1	0.01	27	240	< 2	< 5	5	193	0.15	< 10	< 10	88	< 5	70
SMB8 LO 0+700	201 238	193	< 1	0.04	32	220	4	< 5	5	123	0.16	< 10	< 10	64	< 5	61
SMB8 LO 0+750	201 238	85	1	0.02	34	1150	< 2	< 5	2	155	0.01	< 10	< 10	253	< 5	80
SMB8 LO 0+800	201 238	208	1	0.02	38	290	2	< 5	5	97	0.16	< 10	< 10	70	< 5	62
SMB8 LO 0+850	201 238	326	1	0.01	31	410	< 2	< 5	6	139	0.17	< 10	< 10	83	< 5	76
SMB8 LO 0+900	201 238	351	< 1	0.02	72	450	< 2	< 5	8	110	0.14	< 10	< 10	81	< 5	84
SMB8 LO 0+950	201 238	271	< 1	0.02	29	380	< 2	< 5	5	160	0.17	< 10	< 10	85	< 5	72
SMB8 LO 0+1000	201 238	682	1	0.05	19	1150	< 2	< 5	5	140	0.04	< 10	< 10	46	< 5	62
SMB8 LO 00+50E	201 238	674	< 1	0.05	32	490	8	< 5	7	111	0.11	< 10	< 10	63	< 5	68
SMB8 LO 01+00E	201 238	431	1	0.02	48	550	2	< 5	8	212	0.17	< 10	< 10	97	5	86
SMB8 LO 01+50E	201 238	589	2	0.01	61	740	< 2	< 5	8	87	0.19	< 10	< 10	104	5	121
SMB8 LO 02+00E	201 238	414	1	0.03	33	410	< 2	< 5	8	375	0.19	< 10	< 10	130	< 5	101
SMB8 LO 02+50E	201 238	476	2	0.03	254	570	6	< 5	13	94	0.11	< 10	< 10	107	5	101
SMB8 LO 03+00E	201 238	390	1	0.04	29	450	< 2	< 5	10	441	0.20	< 10	< 10	139	< 5	99
SMB8 LO 03+50E	201 238	829	2	0.02	43	1540	< 2	< 5	7	127	0.19	< 10	< 10	105	5	194
SMB8 LO 04+00E	201 238	605	1	0.02	33	680	< 2	< 5	7	188	0.17	< 10	< 10	112	5	124
SMB8 LO 04+50E	201 238	396	1	0.03	38	750	< 2	< 5	9	307	0.19	< 10	< 10	121	5	120
SMB8 LO 05+00E	201 238	501	2	0.03	36	790	2	< 5	11	286	0.20	< 10	< 10	133	10	129
SMB8 LO 05+50E	201 238	441	1	0.03	36	1140	< 2	< 5	10	183	0.18	< 10	< 10	126	10	157
SMB8 LO 06+00E	201 238	375	< 1	0.03	33	750	< 2	5	8	351	0.14	< 10	< 10	113	5	105
SMB8 LO 06+50E	201 238	465	2	0.03	38	1090	< 2	< 5	10	259	0.18	< 10	< 10	127	10	137
SMB8 LO 07+00E	201 238	513	< 1	0.03	37	1260	2	< 5	11	162	0.11	< 10	< 10	133	5	143
SMB8 LO 07+50E	201 238	1035	1	0.02	30	2290	< 2	< 5	8	163	0.12	< 10	< 10	123	10	157
SMB8 LO 08+00E	201 238	432	2	0.05	35	590	< 2	5	12	313	0.21	< 10	< 10	154	5	110
SMB8 LO 08+50E	201 238	366	< 1	0.10	21	410	< 2	< 5	17	497	0.21	< 10	< 10	141	10	79
SMB8 LO 09+00E	201 238	750	2	0.03	28	800	8	< 5	14	250	0.18	< 10	< 10	143	10	119
SMB8 LO 09+50E	201 238	825	2	0.04	26	1190	14	< 5	10	317	0.06	< 10	< 10	128	10	108

CERTIFICATION :

B. Coughlin



Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers
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To: ASHWORTH EXPLORATIONS LTD.

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Project: 232
 Comments:

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CERTIFICATE OF ANALYSIS A8824341

SAMPLE DESCRIPTION	PREP CODE	Au ppb FATAA	Hg ppb	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
SMB8 LO 10+00E	201 238	< 5	50	5.31	< 0.2	40	190	0.5	< 2	1.53	< 0.5	18	30	81	4.15	10	< 1	0.11	20	1.10
SMB8 LO 10+50E	201 238	< 5	30	5.65	< 0.2	30	180	0.5	4	0.73	< 0.5	27	44	31	4.94	10	< 1	0.14	10	1.44
SMB8 LO 11+00E	201 238	< 5	20	7.81	< 0.2	< 5	210	< 0.5	< 2	1.97	< 0.5	25	49	64	5.02	< 10	< 1	0.09	10	1.97
SMB8 LO 11+50E	201 238	< 5	10	6.28	< 0.2	15	170	< 0.5	2	1.65	< 0.5	19	26	83	4.71	< 10	< 1	0.10	20	1.57
SMB8 LO 12+00E	201 238	< 5	30	5.08	< 0.2	35	180	0.5	4	0.51	< 0.5	22	27	27	4.28	< 10	< 1	0.10	10	0.73
SMB8 LO 12+50E	201 238	< 5	20	4.81	< 0.2	25	290	1.0	< 2	0.85	< 0.5	21	33	23	4.20	10	< 1	0.07	10	0.90
SMB8 LO 13+00E	201 238	< 5	20	6.54	< 0.2	20	180	1.0	6	2.25	< 0.5	25	30	53	5.11	10	< 1	0.14	10	1.81
SMB8 LO 13+50E	201 238	< 5	20	4.26	< 0.2	30	120	1.0	< 2	0.70	< 0.5	21	29	37	4.16	10	< 1	0.08	10	1.11
SMB8 LO 14+00E	201 238	5	20	6.88	< 0.2	25	90	1.5	< 2	2.36	< 0.5	28	46	60	5.60	10	< 1	0.12	10	2.20
SMB8 LO 14+50E	201 238	5	20	6.26	< 0.2	10	260	1.0	4	0.76	< 0.5	25	38	31	4.99	10	< 1	0.06	10	1.13
SMB8 LO 15+00E	201 238	< 5	20	5.34	< 0.2	30	350	1.0	2	1.39	< 0.5	20	30	45	4.15	10	< 1	0.12	20	1.18
SMB8 L2N 00+50E	201 238	< 5	30	3.10	< 0.2	10	240	0.5	2	0.31	< 0.5	9	47	10	2.26	< 10	< 1	0.09	10	0.40
SMB8 L2N 01+00E	201 238	< 5	20	3.34	< 0.2	15	250	1.0	< 2	0.54	< 0.5	16	68	21	3.12	< 10	< 1	0.11	10	0.74
SMB8 L2N 01+50E	201 238	< 5	30	2.18	< 0.2	15	190	0.5	< 2	0.46	< 0.5	15	45	13	2.63	< 10	< 1	0.13	10	0.52
SMB8 L2N 02+00E	201 238	< 5	20	3.89	< 0.2	< 5	270	< 0.5	< 2	1.03	< 0.5	20	52	39	4.08	10	1	0.25	20	0.96
SMB8 L2N 02+50E	201 238	< 5	20	3.07	< 0.2	10	220	< 0.5	< 2	0.51	< 0.5	14	44	12	3.41	< 10	< 1	0.15	10	0.64
SMB8 L2N 03+00E	201 238	< 5	20	3.72	< 0.2	< 5	230	< 0.5	< 2	0.70	< 0.5	17	67	30	4.18	< 10	< 1	0.18	10	0.96
SMB8 L2N 03+50E	201 238	< 5	20	3.42	< 0.2	< 5	200	< 0.5	< 2	0.88	< 0.5	16	49	33	4.02	< 10	< 1	0.21	20	0.92
SMB8 L2N 04+00E	201 238	< 5	20	3.63	< 0.2	10	240	< 0.5	< 2	0.89	< 0.5	14	39	30	3.93	< 10	1	0.31	20	0.90
SMB8 L2N 05+00E	201 238	< 5	40	2.32	< 0.2	5	180	< 0.5	< 2	0.91	< 0.5	14	31	22	2.97	< 10	< 1	0.12	20	1.00
SMB8 L2N 05+50E	201 238	< 5	40	2.90	< 0.2	15	160	< 0.5	2	1.20	< 0.5	16	32	28	3.39	< 10	< 1	0.12	20	1.17
SMB8 L2N 06+00E	201 238	< 5	40	3.43	< 0.2	< 5	220	< 0.5	< 2	1.17	< 0.5	15	35	35	3.45	< 10	2	0.12	10	1.07
SMB8 L2N 06+50E	201 238	< 5	30	4.04	< 0.2	15	190	< 0.5	< 2	0.45	< 0.5	18	48	22	3.89	< 10	< 1	0.10	10	0.79
SMB8 L2N 07+00E	201 238	< 5	30	3.80	< 0.2	5	140	< 0.5	< 2	0.42	< 0.5	15	32	19	3.39	< 10	1	0.10	10	0.63
SMB8 L2N 07+50E	201 238	< 5	30	3.90	< 0.2	30	160	< 0.5	< 2	0.47	< 0.5	16	34	20	3.38	< 10	< 1	0.09	10	0.63
SMB8 L2N 08+00E	201 238	< 5	30	5.89	< 0.2	20	240	< 0.5	< 2	0.84	< 0.5	17	42	34	4.14	10	< 1	0.18	10	1.04
SMB8 L2N 08+50E	201 238	20	20	5.26	< 0.2	5	190	< 0.5	< 2	0.94	< 0.5	17	42	39	4.05	10	< 1	0.19	10	1.06
SMB8 L2N 09+00E	201 238	< 5	40	3.12	< 0.2	5	130	< 0.5	< 2	1.33	< 0.5	16	28	31	4.13	10	< 1	0.11	10	1.09
SMB8 L2N 09+50E	201 238	< 5	30	4.03	< 0.2	30	170	< 0.5	< 2	1.71	< 0.5	18	28	44	4.13	10	2	0.14	10	1.30
SMB8 L2N 10+00E	201 238	< 5	40	4.92	< 0.2	< 5	200	< 0.5	< 2	0.98	< 0.5	18	40	44	4.07	10	< 1	0.14	20	1.06
SMB8 L2N 10+50E	201 238	< 5	20	2.81	< 0.2	20	110	< 0.5	< 2	0.33	< 0.5	12	24	12	3.09	< 10	< 1	0.05	< 10	0.43
SMB8 L2N 11+00E	201 238	5	30	3.75	< 0.2	35	170	< 0.5	< 2	0.39	< 0.5	14	24	24	3.33	< 10	< 1	0.08	10	0.65
SMB8 L2N 11+50E	201 238	< 5	30	5.25	< 0.2	25	180	< 0.5	< 2	1.37	< 0.5	22	30	50	4.14	10	1	0.15	10	1.22
SMB8 L2N 12+00E	201 238	< 5	30	4.41	< 0.2	25	170	< 0.5	< 2	0.47	< 0.5	18	32	24	3.93	10	< 1	0.09	10	0.89
SMB8 L2N 12+50E	201 238	< 5	40	3.76	< 0.2	< 5	150	< 0.5	< 2	0.29	< 0.5	15	29	19	3.77	< 10	< 1	0.05	< 10	0.69
SMB8 L2N 13+00E	201 238	< 5	20	4.80	< 0.2	5	150	< 0.5	< 2	0.42	< 0.5	18	35	23	4.27	< 10	< 1	0.04	10	0.94
SMB8 L2N 13+50E	201 238	< 5	20	3.42	< 0.2	< 5	190	< 0.5	< 2	0.45	< 0.5	16	28	15	3.38	< 10	1	0.08	10	0.60
SMB8 L2N 14+00E	201 238	< 5	10	6.32	< 0.2	25	230	< 0.5	< 2	0.73	< 0.5	17	43	26	4.93	10	< 1	0.07	10	1.17
SMB8 L2N 14+50E	201 238	< 5	20	5.99	< 0.2	10	220	< 0.5	< 2	0.74	< 0.5	24	48	32	5.05	10	2	0.09	10	1.35
SMB8 L2N 15+00E	201 238	< 5	20	6.35	< 0.2	15	230	< 0.5	< 2	0.63	< 0.5	23	46	36	5.16	10	< 1	0.06	10	1.23

CERTIFICATION :



Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers

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CERTIFICATE OF ANALYSIS A8824341

SAMPLE DESCRIPTION	PREP CODE	Mn ppm	Mb 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
SMB8 LO 10+00E	201 238	490	2	0.09	20	540	12	5	15	424	0.06	< 10	< 10	125	5	82
SMB8 LO 10+50E	201 238	721	< 1	0.04	44	1070	8	< 5	9	204	0.33	< 10	< 10	152	5	149
SMB8 LO 11+00E	201 238	497	< 1	0.36	37	350	2	< 5	12	639	0.34	< 10	< 10	154	15	97
SMB8 LO 11+50E	201 238	568	1	0.13	18	430	< 2	< 5	22	544	0.20	< 10	< 10	151	10	88
SMB8 LO 12+00E	201 238	1175	1	0.02	29	1250	8	< 5	7	136	0.07	< 10	< 10	137	10	136
SMB8 LO 12+50E	201 238	842	2	0.03	34	910	10	< 5	7	254	0.11	< 10	< 10	129	10	133
SMB8 LO 13+00E	201 238	629	< 1	0.07	23	430	4	< 5	16	333	0.33	< 10	< 10	186	20	91
SMB8 LO 13+50E	201 238	1005	1	0.02	26	1410	< 2	< 5	9	86	0.13	< 10	< 10	121	10	118
SMB8 LO 14+00E	201 238	724	< 1	0.04	32	420	8	< 5	15	220	0.42	< 10	< 10	217	20	105
SMB8 LO 14+50E	201 238	653	< 1	0.03	39	1200	< 2	< 5	9	182	0.17	< 10	< 10	161	20	127
SMB8 LO 15+00E	201 238	526	< 1	0.06	22	670	< 2	< 5	12	650	0.13	< 10	< 10	137	15	98
SMB8 L2N 00+50E	201 238	450	< 1	0.02	48	710	< 2	< 5	4	78	0.14	< 10	< 10	55	5	122
SMB8 L2N 01+00E	201 238	344	< 1	0.02	54	570	< 2	< 5	7	111	0.18	< 10	< 10	74	5	97
SMB8 L2N 01+50E	201 238	489	< 1	0.02	43	590	2	< 5	6	76	0.19	< 10	< 10	70	10	101
SMB8 L2N 02+00E	201 238	595	< 1	0.03	34	360	< 2	< 5	12	371	0.18	< 10	< 10	127	15	81
SMB8 L2N 02+50E	201 238	655	1	0.02	37	440	2	< 5	6	101	0.20	< 10	< 10	90	< 5	103
SMB8 L2N 03+00E	201 238	658	2	0.02	54	500	8	< 5	10	182	0.18	< 10	< 10	110	< 5	88
SMB8 L2N 03+50E	201 238	563	< 1	0.04	32	380	4	< 5	11	286	0.20	< 10	< 10	117	< 5	75
SMB8 L2N 04+00E	201 238	540	1	0.03	25	410	< 2	< 5	11	326	0.21	< 10	< 10	118	< 5	86
SMB8 L2N 05+00E	201 238	377	1	0.04	24	590	4	< 5	8	157	0.11	< 10	< 10	69	< 5	66
SMB8 L2N 05+50E	201 238	551	< 1	0.06	22	660	< 2	< 5	9	251	0.13	< 10	< 10	89	< 5	72
SMB8 L2N 06+00E	201 238	413	1	0.04	27	800	< 2	< 5	8	269	0.11	< 10	< 10	87	< 5	80
SMB8 L2N 06+50E	201 238	672	2	0.02	36	610	2	< 5	7	110	0.14	< 10	< 10	91	< 5	104
SMB8 L2N 07+00E	201 238	444	1	0.03	29	980	8	< 5	5	107	0.16	< 10	< 10	92	< 5	121
SMB8 L2N 07+50E	201 238	957	2	0.03	32	920	2	< 5	6	107	0.18	< 10	< 10	95	< 5	111
SMB8 L2N 08+00E	201 238	374	1	0.03	35	670	< 2	5	9	290	0.19	< 10	< 10	115	< 5	109
SMB8 L2N 08+50E	201 238	378	< 1	0.02	32	620	< 2	5	10	298	0.18	< 10	< 10	112	< 5	87
SMB8 L2N 09+00E	201 238	750	1	0.03	16	820	2	< 5	10	298	0.19	< 10	< 10	130	< 5	102
SMB8 L2N 09+50E	201 238	630	1	0.08	20	710	2	< 5	13	405	0.17	< 10	< 10	132	< 5	94
SMB8 L2N 10+00E	201 238	689	< 1	0.03	31	640	< 2	< 5	11	318	0.16	< 10	< 10	118	< 5	89
SMB8 L2N 10+50E	201 238	254	1	0.02	19	720	4	< 5	4	82	0.16	< 10	< 10	95	< 5	76
SMB8 L2N 11+00E	201 238	303	1	0.02	22	670	< 2	< 5	6	177	0.13	< 10	< 10	98	< 5	81
SMB8 L2N 11+50E	201 238	404	2	0.02	23	920	4	< 5	10	294	0.15	< 10	< 10	127	< 5	84
SMB8 L2N 12+00E	201 238	336	2	0.02	31	730	< 2	5	5	154	0.17	< 10	< 10	117	< 5	111
SMB8 L2N 12+50E	201 238	277	2	0.02	24	760	< 2	< 5	5	129	0.16	< 10	< 10	119	< 5	92
SMB8 L2N 13+00E	201 238	353	2	0.02	29	580	< 2	5	6	151	0.14	< 10	< 10	131	< 5	96
SMB8 L2N 13+50E	201 238	1130	1	0.03	26	1920	2	< 5	5	109	0.17	< 10	< 10	100	< 5	134
SMB8 L2N 14+00E	201 238	357	2	0.03	35	810	2	< 5	9	225	0.17	< 10	< 10	144	< 5	100
SMB8 L2N 14+50E	201 238	414	1	0.02	35	680	10	< 5	8	252	0.17	< 10	< 10	154	< 5	119
SMB8 L2N 15+00E	201 238	357	< 1	0.03	35	640	< 2	< 5	9	289	0.16	< 10	< 10	161	< 5	113

CERTIFICATION :



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CERTIFICATE OF ANALYSIS A8824341

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Hg ppb	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
SMB8 L2N BL	201 238	< 5	20	2.83	< 0.2	15	200	1.0	< 2	0.32	< 0.5	7	56	12	2.44	< 10	< 1	0.07	10	0.46
SMB8 L2N 00+50W	201 238	< 5	20	2.34	< 0.2	< 5	230	0.5	< 2	0.39	< 0.5	7	52	13	2.32	< 10	< 1	0.13	10	0.46
SMB8 L2N 01+00W	201 238	< 5	30	2.04	< 0.2	15	170	1.0	< 2	0.58	< 0.5	20	68	34	3.34	< 10	< 1	0.17	10	0.75
SMB8 L2N 01+50W	201 238	< 5	30	2.55	< 0.2	5	290	1.0	< 2	0.42	< 0.5	6	58	15	2.74	< 10	< 1	0.13	10	0.54
SMB8 L2N 02+00W	201 238	< 5	20	3.14	< 0.2	< 5	280	1.0	< 2	0.61	< 0.5	14	49	25	3.90	< 10	< 1	0.17	10	0.82
SMB8 L2N 02+50W	201 238	< 5	30	1.68	< 0.2	15	130	1.0	< 2	0.53	< 0.5	14	54	30	2.87	< 10	2	0.12	20	0.98
SMB8 L2N 03+00W	201 238	< 5	20	2.82	< 0.2	< 5	310	1.0	< 2	0.59	< 0.5	13	37	16	3.58	< 10	< 1	0.26	10	0.63
SMB8 L2N 03+50W	201 238	< 5	30	3.17	< 0.2	< 5	300	0.5	< 2	0.77	< 0.5	13	31	22	3.57	< 10	< 1	0.18	10	0.83
SMB8 L2N 04+00W	201 238	< 5	30	2.97	< 0.2	< 5	340	1.0	< 2	0.72	< 0.5	13	31	19	3.62	< 10	< 1	0.25	10	0.79
SMB8 L2N 04+50W	201 238	< 5	20	3.43	< 0.2	< 5	250	0.5	< 2	0.69	< 0.5	14	29	24	3.78	< 10	< 1	0.17	10	0.80
SMB8 L2N 05+00W	201 238	< 5	20	1.81	< 0.2	5	290	0.5	< 2	0.39	< 0.5	6	34	15	2.70	< 10	2	0.16	10	0.45
SMB8 L2N 05+50W	201 238	< 5	20	1.27	< 0.2	10	300	0.5	< 2	0.39	< 0.5	6	16	14	1.61	< 10	< 1	0.25	10	0.29
SMB8 L2N 06+00W	201 238	< 5	20	2.43	0.2	< 5	250	1.5	< 2	0.54	< 0.5	7	38	22	2.78	< 10	< 1	0.27	10	0.62
SMB8 L2N 06+50W	201 238	< 5	20	1.29	< 0.2	< 5	280	0.5	< 2	0.30	< 0.5	6	15	7	1.49	< 10	< 1	0.26	10	0.23
SMB8 L2N 07+00W	201 238	< 5	10	1.42	0.2	< 5	600	0.5	< 2	0.63	< 0.5	5	6	12	1.26	< 10	< 1	0.23	10	0.25
SMB8 L2N 07+50W	201 238	< 5	20	5.96	< 0.2	< 5	240	< 0.5	< 2	1.65	< 0.5	18	19	30	4.97	< 10	< 1	0.14	10	2.01
SMB8 L2N 08+00W	201 238	< 5	20	4.38	< 0.2	< 5	250	< 0.5	< 2	1.23	< 0.5	18	34	36	3.77	< 10	< 1	0.25	20	1.16
SMB8 L2N 08+50W	201 238	< 5	10	1.45	0.2	10	590	< 0.5	< 2	0.66	< 0.5	5	5	13	1.21	< 10	< 1	0.17	10	0.25
SMB8 L2N 09+00W	217 238	< 5	100	1.81	0.2	< 5	110	< 0.5	2	2.07	0.5	8	19	57	1.82	< 10	< 1	0.09	10	0.42
SMB8 L2N 09+50W	201 238	< 5	40	3.48	< 0.2	< 5	240	< 0.5	< 2	0.98	< 0.5	7	26	40	3.16	< 10	< 1	0.18	20	0.99
SMB8 L4N 00+50E	201 238	< 5	20	1.77	< 0.2	10	150	< 0.5	< 2	0.27	< 0.5	7	48	9	1.94	< 10	< 1	0.12	10	0.41
SMB8 L4N 01+00E	201 238	< 5	20	2.06	0.2	10	170	< 0.5	< 2	0.30	< 0.5	6	61	9	2.25	< 10	2	0.14	10	0.44
SMB8 L4N 01+50E	201 238	< 5	30	2.45	< 0.2	5	150	< 0.5	< 2	0.33	< 0.5	13	67	11	2.55	< 10	1	0.13	10	0.49
SMB8 L4N 02+00E	201 238	< 5	20	2.77	< 0.2	15	160	< 0.5	< 2	0.41	< 0.5	14	80	16	3.08	< 10	< 1	0.16	10	0.65
SMB8 L4N 02+50E	201 238	< 5	20	2.16	< 0.2	10	140	< 0.5	< 2	0.34	< 0.5	13	79	14	2.81	< 10	< 1	0.14	10	0.55
SMB8 L4N 03+00E	201 238	< 5	20	1.62	< 0.2	< 5	150	< 0.5	< 2	0.30	< 0.5	7	60	10	2.23	< 10	< 1	0.12	10	0.31
SMB8 L4N 03+50E	201 238	< 5	20	1.52	< 0.2	5	130	< 0.5	< 2	0.28	< 0.5	8	48	8	2.09	< 10	< 1	0.14	10	0.30
SMB8 L4N 04+00E	203 238	< 5	20	2.48	< 0.2	10	140	< 0.5	< 2	0.42	< 0.5	15	91	18	3.23	< 10	< 1	0.18	10	0.59
SMB8 L4N 04+50E	201 238	< 5	20	2.29	< 0.2	5	120	< 0.5	< 2	0.42	< 0.5	19	83	34	3.80	< 10	< 1	0.18	10	0.72
SMB8 L4N 05+00E	201 238	< 5	20	2.21	< 0.2	10	140	< 0.5	< 2	0.33	< 0.5	12	73	14	2.86	< 10	< 1	0.11	10	0.46
SMB8 L4N 05+50E	201 238	< 5	20	2.01	< 0.2	< 5	120	< 0.5	< 2	0.37	< 0.5	13	160	11	2.96	< 10	< 1	0.11	10	0.38
SMB8 L4N 06+00E	201 238	< 5	30	2.05	< 0.2	< 5	190	< 0.5	< 2	0.64	< 0.5	18	75	30	3.66	< 10	< 1	0.14	20	1.09
SMB8 L4N 06+50E	201 238	< 5	20	3.07	< 0.2	10	190	< 0.5	< 2	0.54	< 0.5	18	80	20	4.05	< 10	< 1	0.23	10	0.58
SMB8 L4N 07+00E	201 238	< 5	20	2.87	< 0.2	< 5	220	< 0.5	< 2	0.33	< 0.5	14	57	10	2.87	< 10	1	0.18	10	0.37
SMB8 L4N 08+00E	201 238	< 5	20	2.25	< 0.2	< 5	150	< 0.5	< 2	0.42	< 0.5	15	145	22	3.27	< 10	< 1	0.13	10	0.55
SMB8 L4N 09+00E	203 238	< 5	30	2.10	< 0.2	10	140	< 0.5	< 2	0.93	< 0.5	15	75	22	2.96	< 10	< 1	0.18	20	1.03
SMB8 L4N 10+00E	203 238	< 5	40	1.99	0.2	< 5	290	< 0.5	< 2	0.43	< 0.5	9	42	24	2.10	< 10	< 1	0.33	10	0.58
SMB8 L4N 10+50E	201 203	< 5	30	2.34	< 0.2	5	210	< 0.5	< 2	0.76	< 0.5	15	31	21	2.90	< 10	3	0.25	20	0.91
SMB8 L4N 11+00E	203 238	< 5	40	2.10	< 0.2	< 5	120	< 0.5	< 2	0.90	< 0.5	13	90	22	3.15	< 10	< 1	0.20	20	1.01
SMB8 L4N 11+50E	201 238	< 5	30	2.25	0.2	20	170	0.5	< 2	0.81	< 0.5	17	42	29	3.18	< 10	< 1	0.11	20	1.06

CERTIFICATION : *B. Coughlin*



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CERTIFICATE OF ANALYSIS A8824341

SAMPLE DESCRIPTION	PREP CODE	Mn ppm	Mg 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
SMB8 L2N BL	201 238	248	1	0.02	36	310	< 2	5	4	80	0.17	< 10	< 10	59	< 5	76
SMB8 L2N 00+50W	201 238	259	1	0.02	34	360	< 2	< 5	4	93	0.16	< 10	< 10	53	< 5	61
SMB8 L2N 01+100W	201 238	882	1	0.02	73	360	< 2	< 5	8	82	0.09	< 10	< 10	65	< 5	82
SMB8 L2N 01+50W	201 238	273	1	0.02	35	320	< 2	< 5	5	112	0.18	< 10	< 10	67	< 5	75
SMB8 L2N 02+100W	201 238	381	< 1	0.02	32	340	< 2	< 5	8	250	0.23	< 10	< 10	111	< 5	79
SMB8 L2N 02+50W	201 238	263	< 1	0.03	50	480	< 2	< 5	8	96	0.07	< 10	< 10	59	< 5	61
SMB8 L2N 03+100W	201 238	376	< 1	0.02	22	700	< 2	< 5	6	178	0.20	< 10	< 10	100	< 5	98
SMB8 L2N 03+50W	201 238	374	< 1	0.02	16	360	< 2	< 5	7	313	0.14	< 10	< 10	98	< 5	76
SMB8 L2N 04+100W	201 238	387	1	0.02	17	560	< 2	< 5	7	283	0.14	< 10	< 10	99	< 5	97
SMB8 L2N 04+50W	201 238	458	< 1	0.02	18	500	2	< 5	6	301	0.12	< 10	< 10	105	< 5	104
SMB8 L2N 05+100W	201 238	329	1	0.02	19	180	< 2	< 5	5	192	0.16	< 10	< 10	80	< 5	57
SMB8 L2N 05+50W	201 238	144	1	0.02	8	160	< 2	< 5	2	103	0.08	< 10	< 10	47	< 5	42
SMB8 L2N 06+100W	201 238	459	1	0.02	30	300	< 2	< 5	7	160	0.11	< 10	< 10	74	< 5	67
SMB8 L2N 06+50W	201 238	527	< 1	0.02	10	310	4	< 5	2	83	0.10	< 10	< 10	41	< 5	56
SMB8 L2N 07+100W	201 238	84	< 1	0.07	4	50	< 2	< 5	1	414	0.07	< 10	< 10	41	< 5	36
SMB8 L2N 07+50W	201 238	547	1	0.36	23	440	< 2	< 5	14	1155	0.11	< 10	< 10	122	< 5	77
SMB8 L2N 08+100W	201 238	599	1	0.05	22	440	< 2	< 5	12	527	0.15	< 10	< 10	109	< 5	77
SMB8 L2N 08+50W	201 238	79	1	0.09	3	50	2	< 5	1	424	0.07	< 10	< 10	40	< 5	33
SMB8 L2N 09+100W	217 238	558	2	0.04	15	1070	< 2	< 5	4	97	0.03	< 10	< 10	90	< 5	78
SMB8 L2N 09+50W	201 238	383	< 1	0.02	18	350	< 2	< 5	10	249	0.08	< 10	< 10	86	< 5	72
SMB8 L4N 00+50E	201 238	185	1	0.02	31	320	< 2	< 5	4	55	0.17	< 10	< 10	45	< 5	63
SMB8 L4N 01+100E	201 238	394	< 1	0.02	40	310	< 2	< 5	4	50	0.18	< 10	< 10	52	< 5	73
SMB8 L4N 01+50E	201 238	589	1	0.02	54	420	< 2	< 5	5	43	0.15	< 10	< 10	61	< 5	98
SMB8 L4N 02+100E	201 238	423	< 1	0.02	56	360	2	< 5	7	51	0.16	< 10	< 10	71	< 5	82
SMB8 L4N 02+50E	201 238	296	1	0.04	39	370	< 2	< 5	6	53	0.16	< 10	< 10	65	< 5	62
SMB8 L4N 03+100E	201 238	373	1	0.03	37	310	4	< 5	5	47	0.15	< 10	< 10	56	< 5	55
SMB8 L4N 03+50E	201 238	284	< 1	0.04	35	160	< 2	< 5	4	42	0.13	< 10	< 10	48	< 5	40
SMB8 L4N 04+100E	203 238	535	1	0.05	74	280	< 2	< 5	8	45	0.14	< 10	< 10	58	< 5	67
SMB8 L4N 04+50E	201 238	518	1	0.04	94	320	< 2	< 5	12	47	0.12	< 10	< 10	70	< 5	57
SMB8 L4N 05+100E	201 238	247	< 1	0.02	50	280	2	< 5	5	57	0.20	< 10	< 10	65	< 5	67
SMB8 L4N 05+50E	201 238	472	< 1	0.04	52	270	< 2	< 5	5	49	0.21	< 10	< 10	86	< 5	67
SMB8 L4N 06+100E	201 238	841	< 1	0.05	66	180	< 2	5	9	86	0.14	< 10	< 10	55	< 5	72
SMB8 L4N 06+50E	201 238	493	2	0.04	74	620	< 2	< 5	11	57	0.15	< 10	< 10	72	< 5	87
SMB8 L4N 07+100E	201 238	781	1	0.03	66	800	6	< 5	5	42	0.15	< 10	< 10	59	< 5	134
SMB8 L4N 08+100E	201 238	440	1	0.05	70	330	< 2	< 5	9	62	0.15	< 10	< 10	79	< 5	69
SMB8 L4N 09+100E	203 238	547	2	0.09	31	640	2	< 5	8	137	0.13	< 10	< 10	68	< 5	87
SMB8 L4N 10+100E	203 238	252	1	0.04	18	290	10	< 5	5	64	0.07	< 10	< 10	40	< 5	55
SMB8 L4N 10+50E	201 203	354	< 1	0.04	22	630	4	< 5	7	100	0.08	< 10	< 10	55	< 5	71
SMB8 L4N 11+100E	203 238	483	1	0.10	24	620	< 2	< 5	8	147	0.16	< 10	< 10	81	< 5	76
SMB8 L4N 11+50E	201 238	574	< 1	0.04	33	510	< 2	< 5	8	130	0.09	< 10	< 10	64	< 5	67

CERTIFICATION :

B. Coughlin



Chemex Labs Ltd.

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CERTIFICATE OF ANALYSIS A8824341

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Hg ppb	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
SMB8 L4N 12+00E	203 217	< 5	40	1.88	< 0.2	< 5	140	< 0.5	< 2	0.82	< 0.5	14	70	22	3.09	< 10	< 1	0.19	20	0.96
SMB8 L4N 12+50E	203 217	5	50	1.96	< 0.2	15	150	< 0.5	< 2	0.83	< 0.5	14	97	22	3.12	< 10	< 1	0.17	20	0.96
SMB8 L4N 13+00E	203 217	< 5	30	2.00	< 0.2	5	120	< 0.5	< 2	0.74	< 0.5	7	70	24	2.94	< 10	< 1	0.16	20	1.03
SMB8 L4N 13+50E	201 238	< 5	40	2.05	< 0.2	15	140	< 0.5	< 2	0.82	< 0.5	15	53	25	3.52	< 10	< 1	0.13	20	1.00
SMB8 L4N 14+00E	201 238	< 5	30	2.19	< 0.2	20	160	< 0.5	< 2	0.71	< 0.5	17	42	27	3.37	< 10	< 1	0.12	20	1.00
SMB8 L4N 14+50E	201 238	< 5	30	2.78	< 0.2	< 5	140	0.5	< 2	1.14	< 0.5	16	39	24	4.06	10	< 1	0.12	20	1.19
SMB8 L4N 15+00E	201 238	< 5	40	2.68	< 0.2	25	140	< 0.5	< 2	0.95	< 0.5	18	48	29	3.84	< 10	< 1	0.16	20	1.07
SMB8 L4N 15+50E	201 238	< 5	30	6.54	0.2	10	150	< 0.5	< 2	2.28	< 0.5	17	31	77	4.30	10	< 1	0.15	10	1.66
SMB8 L4N 16+00E	201 238	< 5	20	4.74	< 0.2	5	230	< 0.5	< 2	0.80	< 0.5	17	32	30	4.09	< 10	< 1	0.10	10	1.18
SMB8 L4N 16+50E	201 238	< 5	40	4.00	< 0.2	5	200	< 0.5	< 2	1.19	< 0.5	17	23	48	3.93	10	< 1	0.08	20	1.03
SMB8 L4N 17+00E	201 238	< 5	20	3.62	< 0.2	< 5	200	< 0.5	< 2	0.76	< 0.5	17	30	23	3.88	< 10	< 1	0.11	10	0.94
SMB8 L4N 17+50E	201 238	< 5	130	2.60	< 0.2	15	160	< 0.5	< 2	0.50	< 0.5	17	27	23	4.18	< 10	< 1	0.15	10	0.86
SMB8 L4N 18+00E	201 238	< 5	100	1.26	< 0.2	< 5	60	0.5	< 2	0.33	< 0.5	5	7	4	1.99	< 10	< 1	0.10	30	0.24
SMB8 L4N 18+50E	201 238	< 5	40	3.61	< 0.2	5	90	0.5	< 2	1.24	< 0.5	16	24	21	4.21	10	< 1	0.17	20	1.35
SMB8 L4N BL	201 238	10	20	2.10	< 0.2	< 5	180	< 0.5	< 2	0.26	< 0.5	7	46	7	2.08	< 10	< 1	0.12	10	0.42
SMB8 L4N 00+50W	201 238	10	10	1.26	< 0.2	5	150	< 0.5	< 2	0.25	< 0.5	6	42	6	1.56	< 10	< 1	0.12	10	0.28
SMB8 L4N 01+00W	201 238	5	10	1.14	< 0.2	5	230	< 0.5	< 2	0.30	< 0.5	8	36	9	1.65	< 10	< 1	0.13	10	0.28
SMB8 L4N 01+50W	201 238	5	20	1.56	< 0.2	< 5	190	< 0.5	< 2	0.41	< 0.5	8	62	16	2.27	< 10	< 1	0.19	10	0.39
SMB8 L4N 02+00W	201 238	< 5	20	2.26	< 0.2	15	220	< 0.5	< 2	0.34	< 0.5	14	54	11	2.58	< 10	< 1	0.12	10	0.45
SMB8 L4N 02+50W	217 238	5	20	0.95	< 0.2	10	50	< 0.5	< 2	0.42	< 0.5	20	97	71	3.25	< 10	< 1	0.06	10	1.37
SMB8 L4N 03+00W	203 217	< 5	20	2.13	< 0.2	5	150	< 0.5	< 2	0.51	< 0.5	19	138	35	3.53	< 10	< 1	0.13	10	1.27
SMB8 L4N 03+50W	203 217	5	20	1.58	< 0.2	5	180	0.5	< 2	0.40	< 0.5	9	52	23	2.17	< 10	< 1	0.17	10	0.47
SMB8 L4N 04+00W	201 238	< 5	20	1.21	< 0.2	< 5	100	0.5	< 2	0.50	< 0.5	8	44	17	2.58	< 10	< 1	0.09	10	0.74
SMB8 L4N 04+50W	201 238	< 5	20	2.34	0.2	10	230	< 0.5	< 2	0.43	< 0.5	13	49	14	2.83	< 10	< 1	0.20	10	0.57
SMB8 L4N 05+00W	201 238	< 5	10	1.84	0.2	< 5	250	< 0.5	< 2	0.34	< 0.5	7	36	11	2.27	< 10	< 1	0.17	10	0.44
SMB8 L4N 05+50W	201 238	20	20	1.57	< 0.2	10	230	< 0.5	< 2	0.29	< 0.5	7	33	9	2.03	< 10	< 1	0.10	10	0.34
SMB8 L4N 06+00W	201 238	< 5	20	1.60	< 0.2	10	220	< 0.5	< 2	0.42	< 0.5	8	26	10	1.86	< 10	< 1	0.13	10	0.33
SMB8 L4N 06+50W	201 238	< 5	20	3.31	< 0.2	10	410	< 0.5	< 2	0.76	< 0.5	14	33	35	3.00	< 10	< 1	0.18	20	0.89
SMB8 L4N 07+00W	201 238	10	20	1.28	< 0.2	15	120	< 0.5	< 2	0.27	< 0.5	6	16	11	1.57	< 10	< 1	0.06	10	0.28
SMB8 L4N 07+50W	201 238	< 5	20	3.13	< 0.2	5	300	< 0.5	< 2	0.50	< 0.5	7	32	17	2.76	< 10	< 1	0.11	10	0.58
SMB8 L4N 08+00W	201 238	< 5	20	3.07	< 0.2	< 5	270	0.5	< 2	0.58	< 0.5	7	33	18	2.96	< 10	< 1	0.14	10	0.70
SMB8 L4N 08+50W	203 217	< 5	20	2.49	< 0.2	5	280	0.5	< 2	0.49	< 0.5	8	40	21	2.22	< 10	< 1	0.27	10	0.53
SMB8 L4N 09+00W	203 217	< 5	30	2.76	< 0.2	< 5	240	0.5	< 2	0.88	< 0.5	8	55	37	2.69	< 10	< 1	0.21	20	0.80
SMB8 L4N 09+50W	201 238	< 5	30	2.74	< 0.2	10	210	< 0.5	< 2	0.73	< 0.5	7	34	19	2.89	< 10	< 1	0.15	20	0.71
SMB8 L4N 10+00W	203 217	< 5	40	3.99	< 0.2	10	230	0.5	< 2	0.85	< 0.5	16	59	31	3.61	< 10	< 1	0.16	20	1.08
SMB8 L6N 00+50E	201 238	< 5	20	2.22	< 0.2	5	40	< 0.5	< 2	0.56	< 0.5	38	163	128	6.42	< 10	< 1	0.10	10	1.92
SMB8 L6N 01+00E	201 238	< 5	20	1.87	< 0.2	< 5	80	0.5	< 2	0.37	< 0.5	15	49	19	2.92	< 10	< 1	0.16	10	0.56
SMB8 L6N 01+50E	201 238	< 5	10	1.58	< 0.2	5	80	< 0.5	< 2	0.39	< 0.5	20	56	28	3.20	< 10	< 1	0.22	10	0.60
SMB8 L6N 02+00E	201 238	< 5	10	2.16	< 0.2	< 5	100	< 0.5	< 2	0.41	< 0.5	17	87	23	3.38	< 10	< 1	0.16	10	0.60
SMB8 L6N 02+50E	201 238	< 5	20	2.26	< 0.2	5	70	< 0.5	< 2	0.44	< 0.5	19	233	34	3.84	< 10	< 1	0.13	10	0.81

CERTIFICATION: *B. Coughlin*



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SAMPLE DESCRIPTION	PREP CODE	Mu ppm	Mb 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
SMB8 L4N 12+00E	203 217	459	< 1	0.06	34	760	2	< 5	8	117	0.12	< 10	< 10	70	< 5	86
SMB8 L4N 12+50E	203 217	502	1	0.09	35	550	2	5	8	139	0.14	< 10	< 10	78	< 5	87
SMB8 L4N 13+00E	203 217	428	1	0.05	39	570	4	< 5	8	116	0.10	< 10	< 10	66	< 5	77
SMB8 L4N 13+50E	201 238	473	1	0.03	30	710	< 2	< 5	9	131	0.14	< 10	< 10	88	< 5	104
SMB8 L4N 14+00E	201 238	598	1	0.04	35	500	< 2	< 5	8	103	0.11	< 10	< 10	70	< 5	76
SMB8 L4N 14+50E	201 238	443	1	0.04	25	1060	6	< 5	9	272	0.21	< 10	< 10	109	< 5	102
SMB8 L4N 15+00E	201 238	591	1	0.03	32	940	< 2	< 5	9	177	0.16	< 10	< 10	91	< 5	111
SMB8 L4N 15+50E	201 238	562	< 1	0.22	27	450	< 2	< 5	17	548	0.20	< 10	< 10	121	< 5	79
SMB8 L4N 16+00E	201 238	730	< 1	0.03	28	770	< 2	< 5	8	329	0.19	< 10	< 10	123	< 5	96
SMB8 L4N 16+50E	201 238	491	< 1	0.05	18	350	< 2	< 5	14	370	0.21	< 10	< 10	123	< 5	71
SMB8 L4N 17+00E	201 238	382	1	0.02	20	380	< 2	< 5	9	263	0.09	< 10	< 10	115	< 5	74
SMB8 L4N 17+50E	201 238	728	1	0.01	22	720	< 2	< 5	8	103	0.12	< 10	< 10	121	< 5	106
SMB8 L4N 18+00E	201 238	209	3	0.01	5	200	4	< 5	2	61	0.01	< 10	< 10	34	< 5	49
SMB8 L4N 18+50E	201 238	714	1	0.02	15	920	< 2	< 5	11	256	0.23	< 10	< 10	114	< 5	109
SMB8 L4N BL	201 238	347	1	0.02	36	520	2	< 5	3	52	0.14	< 10	< 10	49	< 5	102
SMB8 L4N 00+50N	201 238	293	< 1	0.02	26	200	< 2	< 5	4	67	0.14	< 10	< 10	43	< 5	43
SMB8 L4N 01+00N	201 238	366	< 1	0.02	25	130	4	< 5	4	112	0.13	< 10	< 10	43	< 5	42
SMB8 L4N 01+50N	201 238	634	< 1	0.03	48	430	4	< 5	7	87	0.12	< 10	< 10	56	< 5	73
SMB8 L4N 02+00N	201 238	481	1	0.02	44	550	14	< 5	5	65	0.13	< 10	< 10	56	< 5	99
SMB8 L4N 02+50N	217 238	506	1	0.06	84	620	< 2	< 5	13	57	0.06	< 10	< 10	103	< 5	69
SMB8 L4N 03+00N	203 217	457	1	0.04	80	240	4	< 5	10	101	0.10	< 10	< 10	85	< 5	68
SMB8 L4N 03+50N	203 217	253	1	0.03	18	290	8	< 5	5	86	0.04	< 10	< 10	46	< 5	56
SMB8 L4N 04+00N	201 238	342	< 1	0.04	37	520	< 2	< 5	6	85	0.09	< 10	< 10	66	< 5	61
SMB8 L4N 04+50N	201 238	477	1	0.02	36	460	4	< 5	6	106	0.15	< 10	< 10	74	< 5	105
SMB8 L4N 05+00N	201 238	256	1	0.02	23	330	4	< 5	4	108	0.15	< 10	< 10	64	< 5	71
SMB8 L4N 05+50N	201 238	229	1	0.02	21	350	< 2	< 5	3	103	0.16	< 10	< 10	60	< 5	63
SMB8 L4N 06+00N	201 238	332	< 1	0.02	19	380	8	< 5	3	123	0.10	< 10	< 10	49	< 5	51
SMB8 L4N 06+50N	201 238	425	1	0.03	24	340	6	< 5	9	384	0.08	< 10	< 10	71	< 5	60
SMB8 L4N 07+00N	201 238	167	< 1	0.03	12	150	6	< 5	3	57	0.11	< 10	< 10	49	< 5	56
SMB8 L4N 07+50N	201 238	502	1	0.02	20	580	6	< 5	5	150	0.12	< 10	< 10	73	< 5	116
SMB8 L4N 08+00N	201 238	546	< 1	0.02	22	430	6	< 5	6	185	0.11	< 10	< 10	81	< 5	78
SMB8 L4N 08+50N	203 217	257	1	0.03	14	340	2	< 5	4	162	0.09	< 10	< 10	58	< 5	52
SMB8 L4N 09+00N	203 217	504	1	0.05	22	280	6	< 5	8	198	0.10	< 10	< 10	78	< 5	57
SMB8 L4N 09+50N	201 238	567	1	0.03	24	360	4	< 5	7	191	0.12	< 10	< 10	79	< 5	72
SMB8 L4N 10+00N	203 217	487	1	0.05	30	510	10	< 5	10	200	0.13	< 10	< 10	104	< 5	74
SMB8 L6N 00+50E	201 238	523	1	0.07	246	310	< 2	< 5	26	45	0.13	< 10	< 10	110	5	85
SMB8 L6N 01+00E	201 238	391	< 1	0.07	43	290	< 2	< 5	9	39	0.12	< 10	< 10	64	< 5	49
SMB8 L6N 01+50E	201 238	562	< 1	0.07	89	210	6	< 5	11	34	0.10	< 10	< 10	62	5	54
SMB8 L6N 02+00E	201 238	477	1	0.07	64	320	< 2	< 5	11	47	0.09	< 10	< 10	68	< 5	57
SMB8 L6N 02+50E	201 238	526	1	0.06	106	330	2	< 5	12	41	0.09	< 10	< 10	84	5	74

CERTIFICATION :

B. Coughlin



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Project: 232
 Comments:

Page No.: 5-A
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 P.O. #: NONE

CERTIFICATE OF ANALYSIS A8824341

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Hg ppb	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
SMB8 L6N 03+00E	201 238	< 5	20	3.13	< 0.2	5	80	< 0.5	< 2	0.46	< 0.5	30	262	63	4.95	< 10	< 1	0.07	10	1.02
SMB8 L6N 03+50E	201 238	< 5	20	2.09	< 0.2	15	50	< 0.5	< 2	0.59	< 0.5	31	278	118	5.23	< 10	< 1	0.05	10	2.06
SMB8 L6N 04+00E	201 238	< 5	20	1.46	< 0.2	< 5	50	< 0.5	< 2	0.28	< 0.5	8	201	12	2.23	< 10	< 1	0.05	< 10	0.32
SMB8 L6N 04+50E	201 238	< 5	30	2.14	< 0.2	< 5	110	0.5	< 2	0.39	< 0.5	19	260	33	3.58	< 10	< 1	0.09	10	0.66
SMB8 L6N 05+00E	201 238	< 5	30	1.44	0.2	< 5	140	0.5	< 2	0.30	< 0.5	8	22	10	2.67	< 10	< 1	0.07	10	0.26
SMB8 L6N 05+50E	201 238	< 5	20	3.24	< 0.2	5	110	1.0	< 2	0.56	< 0.5	26	123	41	4.63	< 10	< 1	0.17	10	0.77
SMB8 L6N 06+00E	201 238	< 5	20	2.98	< 0.2	< 5	90	< 0.5	< 2	0.57	< 0.5	19	146	58	4.65	< 10	< 1	0.14	10	1.11
SMB8 L6N 06+50E	201 238	< 5	20	3.33	< 0.2	20	180	1.0	2	0.40	< 0.5	18	111	21	3.58	< 10	< 1	0.17	10	0.63
SMB8 L6N 07+00E	201 238	< 5	30	3.04	< 0.2	< 5	130	0.5	< 2	0.44	< 0.5	17	215	26	3.49	< 10	< 1	0.12	10	0.61
SMB8 L6N 07+50E	201 238	< 5	20	1.39	0.2	< 5	240	0.5	< 2	0.49	< 0.5	17	14	16	3.00	< 10	< 1	0.27	10	0.93
SMB8 L6N 08+00E	201 238	< 5	20	1.31	0.2	< 5	180	0.5	2	0.33	< 0.5	9	44	20	1.91	< 10	< 1	0.24	20	0.42
SMB8 L6N 08+50E	201 238	< 5	40	1.34	< 0.2	< 5	160	1.5	< 2	0.80	< 0.5	21	70	64	3.21	< 10	< 1	0.12	30	0.94
SMB8 L6N 09+00E	201 238	< 5	60	1.60	0.2	< 5	340	1.5	< 2	0.45	< 0.5	18	39	27	2.21	< 10	< 1	0.20	30	0.55
SMB8 L6N 09+50E	201 238	< 5	30	1.47	< 0.2	10	220	< 0.5	2	0.27	< 0.5	8	42	9	1.81	< 10	2	0.18	< 10	0.25
SMB8 L6N 10+00E	201 238	< 5	20	1.95	0.2	10	170	< 0.5	< 2	0.28	< 0.5	6	31	9	1.70	< 10	< 1	0.14	10	0.25
SMB8 L6N 10+50E	201 238	< 5	20	1.63	0.2	5	290	< 0.5	2	0.31	< 0.5	7	45	10	2.09	< 10	< 1	0.18	10	0.29
SMB8 L6N 11+00E	201 238	< 5	20	1.97	< 0.2	< 5	220	< 0.5	< 2	0.32	< 0.5	7	41	14	2.27	< 10	< 1	0.15	10	0.27
SMB8 L6N 11+50E	201 238	< 5	20	1.80	0.2	15	210	< 0.5	< 2	0.28	< 0.5	7	38	9	1.85	< 10	< 1	0.17	10	0.26
SMB8 L6N 12+00E	201 238	< 5	30	1.59	0.4	< 5	150	< 0.5	< 2	0.42	< 0.5	8	43	21	2.35	< 10	< 1	0.21	10	0.48
SMB8 L6N BL	201 238	25	30	2.70	0.2	< 5	160	< 0.5	< 2	0.44	< 0.5	12	75	27	3.42	< 10	< 1	0.13	10	0.77
SMB8 L6N 00+50W	201 238	< 5	20	2.35	< 0.2	5	160	< 0.5	2	0.37	< 0.5	12	55	13	2.64	10	< 1	0.14	10	0.57
SMB8 L6N 01+00W	217 238	< 5	20	3.06	< 0.2	< 5	100	< 0.5	6	0.72	< 0.5	26	95	45	4.15	10	< 1	0.21	10	1.45
SMB8 L6N 01+50W	201 238	< 5	10	1.50	< 0.2	10	140	< 0.5	< 2	0.31	< 0.5	8	41	8	1.83	10	< 1	0.12	10	0.30
SMB8 L6N 02+00W	201 238	< 5	10	2.15	< 0.2	20	150	< 0.5	2	0.44	< 0.5	14	73	27	2.76	10	< 1	0.21	20	0.77
SMB8 L6N 02+50W	201 238	< 5	20	2.05	< 0.2	5	140	< 0.5	2	0.26	< 0.5	11	77	9	2.13	10	< 1	0.11	10	0.36
SMB8 L6N 03+00W	201 238	15	70	2.45	< 0.2	15	120	< 0.5	2	0.31	< 0.5	16	75	17	2.90	10	< 1	0.17	< 10	0.66
SMB8 L6N 03+50W	201 238	< 5	20	2.26	0.4	5	120	< 0.5	2	0.37	< 0.5	16	72	17	2.81	10	< 1	0.12	10	0.63
SMB8 L6N 04+00W	201 238	< 5	20	3.08	< 0.2	5	150	< 0.5	2	0.44	< 0.5	18	77	23	3.18	10	< 1	0.16	10	0.73
SMB8 L6N 04+50W	217 238	< 5	10	1.78	0.2	< 5	90	< 0.5	2	0.44	< 0.5	20	110	31	2.87	10	< 1	0.16	10	1.00
SMB8 L6N 05+00W	217 238	< 5	10	1.21	0.4	< 5	80	< 0.5	4	0.53	< 0.5	15	57	19	2.30	10	< 1	0.16	10	0.83
SMB8 L6N 05+50W	201 238	< 5	20	2.12	< 0.2	< 5	210	< 0.5	< 2	0.45	< 0.5	11	40	15	2.80	< 10	< 1	0.10	10	0.59
SMB8 L6N 06+00W	201 238	< 5	20	2.37	< 0.2	< 5	220	< 0.5	< 2	0.38	< 0.5	10	38	10	2.68	< 10	< 1	0.12	10	0.49
SMB8 L6N 06+50W	201 238	< 5	10	1.65	< 0.2	< 5	190	< 0.5	< 2	0.34	< 0.5	8	25	8	2.22	< 10	< 1	0.19	10	0.41
SMB8 L6N 07+00W	201 238	< 5	20	2.22	< 0.2	15	240	< 0.5	< 2	0.56	< 0.5	11	20	18	2.56	< 10	< 1	0.20	10	0.56
SMB8 L6N 07+50W	201 238	< 5	20	2.60	< 0.2	< 5	260	< 0.5	< 2	0.58	< 0.5	15	21	22	2.79	< 10	< 1	0.18	10	0.59
SMB8 L6N 08+00W	201 238	20	20	2.48	< 0.2	< 5	250	< 0.5	< 2	0.49	< 0.5	9	21	19	2.60	< 10	< 1	0.18	10	0.50
SMB8 L6N 08+50W	201 238	< 5	10	2.59	< 0.2	10	210	< 0.5	< 2	0.45	< 0.5	10	34	15	2.78	< 10	< 1	0.11	10	0.50
SMB8 L6N 09+00W	201 238	15	20	2.99	< 0.2	15	250	< 0.5	< 2	0.44	< 0.5	11	37	15	2.89	< 10	< 1	0.12	10	0.54
SMB8 L6N 09+50W	201 238	< 5	20	2.56	< 0.2	15	220	< 0.5	< 2	0.48	< 0.5	10	31	15	2.59	< 10	< 1	0.11	10	0.61
SMB8 L6N 10+00W	201 238	< 5	10	1.95	< 0.2	5	220	< 0.5	< 2	0.47	< 0.5	9	21	12	2.37	< 10	< 1	0.10	10	0.59

CERTIFICATION :

B. Coughlin



Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers

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Project: 232

Comments:

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CERTIFICATE OF ANALYSIS A8824341

SAMPLE DESCRIPTION	PREP CODE	Mn ppm	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
SMB8 L6N 03+00E	201 238	686	1	0.05	135	460	< 2	< 5	14	46	0.12	< 10	< 10	89	5	90
SMB8 L6N 03+50E	201 238	590	1	0.08	174	460	2	< 5	16	50	0.08	< 10	< 10	98	5	79
SMB8 L6N 04+00E	201 238	128	< 1	0.06	53	200	< 2	< 5	5	30	0.12	< 10	< 10	64	< 5	47
SMB8 L6N 04+50E	201 238	597	< 1	0.04	100	430	2	< 5	7	40	0.14	< 10	< 10	90	5	80
SMB8 L6N 05+00E	201 238	440	1	0.02	18	420	4	< 5	4	27	0.09	< 10	< 10	59	< 5	74
SMB8 L6N 05+50E	201 238	474	< 1	0.04	128	560	< 2	< 5	16	45	0.08	< 10	< 10	73	< 5	77
SMB8 L6N 06+00E	201 238	333	< 1	0.06	143	390	< 2	< 5	18	46	0.07	< 10	< 10	65	10	77
SMB8 L6N 06+50E	201 238	520	1	0.04	71	620	2	< 5	9	52	0.16	< 10	< 10	73	< 5	124
SMB8 L6N 07+00E	201 238	490	< 1	0.05	88	670	2	< 5	8	50	0.15	< 10	< 10	82	< 5	107
SMB8 L6N 07+50E	201 238	569	1	0.03	9	570	6	< 5	12	45	0.14	< 10	< 10	66	5	74
SMB8 L6N 08+00E	201 238	384	< 1	0.03	38	300	4	< 5	5	39	0.06	< 10	< 10	40	< 5	48
SMB8 L6N 08+50E	201 238	1115	1	0.01	84	760	8	< 5	13	53	0.01	< 10	< 10	59	< 5	73
SMB8 L6N 09+00E	201 238	1530	1	0.02	58	440	14	< 5	7	45	0.02	< 10	< 10	48	< 5	71
SMB8 L6N 09+50E	201 238	347	1	0.03	20	330	4	< 5	3	49	0.12	< 10	< 10	41	< 5	53
SMB8 L6N 10+00E	201 238	152	1	0.02	15	210	6	< 5	2	64	0.11	< 10	< 10	33	< 5	48
SMB8 L6N 10+50E	201 238	180	1	0.03	19	150	< 2	< 5	4	114	0.16	< 10	< 10	55	< 5	43
SMB8 L6N 11+00E	201 238	264	< 1	0.03	31	200	6	< 5	4	102	0.15	< 10	< 10	53	< 5	57
SMB8 L6N 11+50E	201 238	198	1	0.03	21	140	6	< 5	3	84	0.14	< 10	< 10	42	< 5	40
SMB8 L6N 12+00E	201 238	272	1	0.03	24	260	2	< 5	6	80	0.12	< 10	< 10	52	< 5	52
SMB8 L6N BL	201 238	204	2	0.03	62	320	< 2	< 5	9	57	0.16	< 10	< 10	68	< 5	58
SMB8 L6N 00+50W	201 238	193	< 1	0.03	46	350	2	< 5	5	46	0.16	< 10	< 10	53	< 5	70
SMB8 L6N 01+00W	217 238	510	< 1	0.07	103	320	2	< 5	14	67	0.11	< 10	< 10	81	< 5	66
SMB8 L6N 01+50W	201 238	240	< 1	0.01	30	170	4	5	4	59	0.16	< 10	< 10	47	< 5	44
SMB8 L6N 02+00W	201 238	268	< 1	0.01	53	260	6	< 5	10	72	0.07	< 10	< 10	53	< 5	51
SMB8 L6N 02+50W	201 238	244	< 1	0.01	37	270	2	< 5	4	47	0.13	< 10	< 10	50	< 5	62
SMB8 L6N 03+00W	201 238	215	< 1	0.01	49	630	< 2	5	6	51	0.11	< 10	< 10	50	< 5	58
SMB8 L6N 03+50W	201 238	598	< 1	0.01	64	650	4	< 5	7	55	0.08	< 10	< 10	50	< 5	66
SMB8 L6N 04+00W	201 238	468	< 1	0.03	70	500	< 2	< 5	9	62	0.12	< 10	< 10	60	< 5	64
SMB8 L6N 04+50W	217 238	454	1	0.04	69	740	< 2	< 5	8	56	0.12	< 10	< 10	75	< 5	64
SMB8 L6N 05+00W	217 238	408	< 1	0.07	45	620	2	< 5	6	61	0.09	< 10	< 10	51	< 5	49
SMB8 L6N 05+50W	201 238	279	< 1	0.01	30	590	< 2	< 5	4	94	0.16	< 10	< 10	67	< 5	75
SMB8 L6N 06+00W	201 238	350	< 1	0.01	25	590	2	< 5	5	96	0.15	< 10	< 10	66	< 5	127
SMB8 L6N 06+50W	201 238	329	< 1	0.01	16	440	< 2	< 5	3	91	0.12	< 10	< 10	57	< 5	68
SMB8 L6N 07+00W	201 238	465	2	0.01	15	430	< 2	< 5	6	176	0.07	< 10	< 10	59	< 5	58
SMB8 L6N 07+50W	201 238	430	< 1	0.01	20	490	4	< 5	6	195	0.08	< 10	< 10	68	< 5	66
SMB8 L6N 08+00W	201 238	270	< 1	0.01	16	410	2	< 5	6	168	0.09	< 10	< 10	61	< 5	67
SMB8 L6N 08+50W	201 238	340	< 1	0.01	22	580	< 2	< 5	5	136	0.12	< 10	< 10	68	< 5	78
SMB8 L6N 09+00W	201 238	415	1	0.01	29	480	< 2	5	5	130	0.15	< 10	< 10	69	< 5	86
SMB8 L6N 09+50W	201 238	264	< 1	0.01	23	400	2	< 5	5	162	0.14	< 10	< 10	66	< 5	76
SMB8 L6N 10+00W	201 238	299	< 1	0.01	16	280	2	< 5	4	193	0.12	< 10	< 10	60	< 5	58

CERTIFICATION :



Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers

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A8824342

Comments:

CERTIFICATE A8824342

ASHWORTH EXPLORATIONS LTD.

PROJECT : 131

P. O. # : NONE

Samples submitted to our lab in Vancouver, BC.

This report was printed on 6-OCT-88.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201	220	Dry, sieve -80 mesh; soil, sed.
203	3	Dry, sieve -35 mesh and ring
238	223	ICP: Aqua regia digestion

* NOTE 1:

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

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
100	223	Au ppb: Fuse 10 g sample	FA-AAS	5	10000
20	223	Hg ppb: HNO ₃ -HCl digestion	AAS-FLAMELESS	10	100000
921	223	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
922	223	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	200
923	223	As ppm: 32 element, soil & rock	ICP-AES	5	10000
924	223	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
925	223	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
926	223	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
927	223	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
928	223	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
929	223	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
930	223	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
931	223	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
932	223	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
933	223	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
951	223	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
934	223	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
935	223	La ppm: 32 element, soil & rock	ICP-AES	10	10000
936	223	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
937	223	Mn ppm: 32 element, soil & rock	ICP-AES	1	10000
938	223	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
939	223	Na %: 32 element, soil & rock	ICP-AES	0.01	5.00
940	223	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
941	223	P ppm: 32 element, soil & rock	ICP-AES	10	10000
942	223	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
943	223	Sb ppm: 32 element, soil & rock	ICP-AES	5	10000
958	223	Sc ppm: 32 elements, soil & rock	ICP-AES	1	100000
944	223	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
945	223	Ti %: 32 element, soil & rock	ICP-AES	0.01	5.00
946	223	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
947	223	U ppm: 32 element, soil & rock	ICP-AES	10	10000
948	223	V ppm: 32 element, soil & rock	ICP-AES	1	10000
949	223	W ppm: 32 element, soil & rock	ICP-AES	5	10000
950	223	Zn ppm: 32 element, soil & rock	ICP-AES	5	10000



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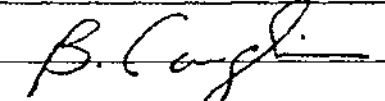
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CERTIFICATE OF ANALYSIS A8824342

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Hg ppb	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
SMB8 L8N 00+50E	201 238	< 5	30	3.80	0.4	5	210	0.5	< 2	0.26	< 0.5	21	100	17	3.95	< 10	1	0.09	10	0.48
SMB8 L8N 01+00E	201 238	< 10	30	4.16	0.6	20	140	< 0.5	< 2	0.37	< 0.5	21	123	28	4.15	< 10	1	0.07	10	0.57
SMB8 L8N 01+50E	201 238	< 5	20	1.92	0.2	< 5	120	< 0.5	< 2	0.33	< 0.5	12	76	14	3.05	< 10	< 1	0.09	10	0.49
SMB8 L8N 02+00E	201 238	< 10	10	2.87	0.4	10	80	< 0.5	< 2	0.42	< 0.5	23	211	46	4.12	< 10	< 1	0.07	10	0.80
SMB8 L8N 02+50E	201 238	< 5	10	2.07	0.4	10	60	< 0.5	< 2	0.67	< 0.5	30	268	50	4.86	< 10	1	0.01	10	1.82
SMB8 L8N 03+00E	201 238	< 5	10	1.68	0.2	20	70	< 0.5	< 2	0.35	< 0.5	13	124	17	2.88	< 10	1	0.10	< 10	0.38
SMB8 L8N 03+50E	201 238	< 5	20	0.71	< 0.2	5	120	0.5	< 2	0.17	< 0.5	3	< 1	13	0.93	< 10	< 1	0.10	10	0.32
SMB8 L8N 04+00E	201 238	< 5	30	2.26	0.2	15	160	0.5	< 2	0.72	< 0.5	27	26	26	6.20	< 10	2	0.17	30	0.87
SMB8 L8N 04+50E	201 238	< 5	20	1.67	0.2	10	80	0.5	< 2	0.83	< 0.5	25	7	14	6.81	10	1	0.12	20	1.08
SMB8 L8N 05+00E	203 238	< 5	20	1.50	0.2	15	220	0.5	< 2	0.86	< 0.5	28	2	8	10.40	< 10	< 1	0.23	20	0.92
SMB8 L8N 05+50E	201 238	< 5	140	2.24	0.2	40	110	1.5	< 2	0.32	< 0.5	12	14	36	5.50	10	< 1	0.07	50	0.37
SMB8 L8N 06+50E	201 238	< 5	20	1.71	0.2	10	270	< 0.5	< 2	0.58	< 0.5	16	22	25	2.89	< 10	< 1	0.35	10	0.94
SMB8 L8N 07+00E	201 238	< 5	20	1.90	0.2	10	240	< 0.5	< 2	0.52	< 0.5	16	50	53	3.28	< 10	3	0.35	20	0.86
SMB8 L8N 07+50E	201 238	< 5	20	1.79	0.2	15	250	< 0.5	< 2	0.60	< 0.5	18	25	25	3.40	< 10	1	0.35	20	1.14
SMB8 L8N 08+00E	201 238	< 5	50	1.81	0.4	15	1280	0.5	< 2	0.52	< 0.5	18	36	51	3.03	< 10	< 1	0.31	20	0.48
SMB8 L8N 08+50E	201 238	< 5	20	1.49	0.2	< 5	150	< 0.5	< 2	0.23	< 0.5	6	30	7	1.18	< 10	< 1	0.20	< 10	0.18
SMB8 L8N 09+00E	201 238	< 5	20	1.89	< 0.2	< 5	200	< 0.5	< 2	0.28	< 0.5	6	35	8	1.53	< 10	< 1	0.22	< 10	0.21
SMB8 L8N 09+50E	201 238	< 5	20	1.90	0.2	5	210	< 0.5	2	0.28	< 0.5	8	55	8	1.99	< 10	< 1	0.13	10	0.29
SMB8 L8N 10+00E	201 238	< 5	20	1.91	< 0.2	10	180	< 0.5	< 2	0.29	< 0.5	10	49	8	2.58	< 10	1	0.09	10	0.38
SMB8 L8N 10+50E	201 238	< 5	20	1.77	0.2	10	160	< 0.5	< 2	0.22	< 0.5	8	49	11	1.92	< 10	< 1	0.09	10	0.24
SMB8 L8N 11+00E	201 238	< 5	30	1.45	0.4	10	90	< 0.5	< 2	0.36	< 0.5	7	26	16	1.57	< 10	2	0.31	10	0.24
SMB8 L8N 11+50E	201 238	< 5	40	1.51	< 0.2	5	310	< 0.5	< 2	0.35	< 0.5	6	26	13	1.32	< 10	3	0.41	10	0.24
SMB8 L8N 12+00E	201 238	< 5	30	1.99	0.4	< 5	140	< 0.5	4	0.37	< 0.5	11	38	11	2.77	< 10	< 1	0.23	10	0.52
SMB8 L8N 12+50E	201 238	< 5	20	1.48	< 0.2	10	100	< 0.5	< 2	0.28	< 0.5	3	20	4	0.96	< 10	< 1	0.51	< 10	0.16
SMB8 L8N 13+00E	201 238	< 5	20	1.69	< 0.2	15	140	< 0.5	2	0.29	< 0.5	5	24	5	1.52	< 10	< 1	0.25	10	0.22
SMB8 L8N 13+50E	201 238	< 5	20	0.96	0.2	< 5	70	< 0.5	< 2	0.33	< 0.5	4	13	2	0.90	< 10	3	0.63	10	0.10
SMB8 L8N 14+00E	201 238	< 5	20	1.42	< 0.2	10	150	< 0.5	< 2	0.25	< 0.5	9	14	4	1.93	< 10	1	0.44	10	0.18
SMB8 L8N 14+50E	201 238	< 5	20	1.63	0.2	< 5	140	< 0.5	< 2	0.23	< 0.5	11	17	4	2.34	< 10	< 1	0.16	10	0.23
SMB8 L8N 15+00E	201 238	< 5	30	2.04	0.2	15	200	< 0.5	2	0.38	< 0.5	10	22	8	2.41	< 10	< 1	0.20	10	0.26
SMB8 L8N 15+50E	201 238	< 5	20	2.85	0.2	10	190	< 0.5	2	0.39	< 0.5	13	27	9	3.09	< 10	< 1	0.14	10	0.55
SMB8 L8N BL	201 238	< 5	20	1.79	0.2	5	60	< 0.5	< 2	0.59	< 0.5	21	34	55	3.09	< 10	< 1	0.18	10	0.85
SMB8 L8N 00+50W	201 238	< 5	20	1.61	0.2	20	110	< 0.5	< 2	0.34	< 0.5	14	54	14	2.63	< 10	1	0.12	10	0.42
SMB8 L8N 01+00W	201 238	< 5	20	2.24	0.6	5	120	< 0.5	< 2	0.37	< 0.5	15	66	23	3.05	< 10	< 1	0.12	10	0.51
SMB8 L8N 01+50W	201 238	< 5	20	2.79	0.2	10	130	< 0.5	< 2	0.32	< 0.5	15	54	19	2.98	< 10	1	0.10	10	0.46
SMB8 L8N 02+00W	201 238	< 5	20	2.33	0.6	45	120	< 0.5	< 2	0.56	< 0.5	24	97	54	4.36	< 10	< 1	0.16	10	1.16
SMB8 L8N 02+50W	201 238	< 5	20	2.83	0.2	25	130	< 0.5	< 2	0.44	< 0.5	17	81	26	3.31	< 10	< 1	0.13	10	0.62
SMB8 L8N 03+00W	201 238	< 5	20	2.60	0.2	35	130	< 0.5	< 2	0.33	< 0.5	16	76	18	3.05	< 10	< 1	0.14	10	0.52
SMB8 L8N 03+50W	201 238	< 5	20	2.13	0.4	10	140	< 0.5	< 2	0.63	< 0.5	28	91	42	4.20	< 10	1	0.19	10	1.21
SMB8 L8N 04+00W	201 238	< 5	20	1.83	0.2	15	110	< 0.5	< 2	0.43	< 0.5	22	108	25	3.45	< 10	< 1	0.17	10	0.63
SMB8 L8N 04+50W	201 238	< 5	20	2.72	< 0.2	30	200	0.5	< 2	0.60	< 0.5	15	54	23	3.08	< 10	2	0.21	10	1.00

CERTIFICATION : 



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SAMPLE DESCRIPTION	PREP CODE	Mn ppm	Mg 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
SMB8 L8N 00+50E	201 238	971	< 1	0.01	100	1280	18	< 5	7	28	0.17	< 10	< 10	81	< 5	160
SMB8 L8N 01+00E	201 238	698	< 1	0.01	102	540	16	< 5	8	44	0.15	< 10	< 10	87	< 5	97
SMB8 L8N 01+50E	201 238	264	< 1	0.01	43	280	24	< 5	6	41	0.23	< 10	< 10	73	< 5	56
SMB8 L8N 02+00E	201 238	388	< 1	0.03	108	390	6	< 5	11	39	0.14	< 10	< 10	70	< 5	86
SMB8 L8N 02+50E	201 238	891	< 1	0.05	174	440	< 2	< 5	19	42	0.06	< 10	< 10	74	< 5	79
SMB8 L8N 03+00E	201 238	307	< 1	0.04	66	270	2	< 5	8	34	0.13	< 10	< 10	60	< 5	61
SMB8 L8N 03+50E	201 238	102	< 1	0.01	5	170	6	< 5	2	39	0.06	< 10	< 10	17	< 5	30
SMB8 L8N 04+00E	201 238	1060	< 1	0.01	44	900	< 2	< 5	15	57	0.13	< 10	< 10	96	< 5	99
SMB8 L8N 04+50E	201 238	1835	< 1	0.02	16	890	12	< 5	20	28	0.25	< 10	< 10	116	< 5	112
SMB8 L8N 05+00E	203 238	1725	< 1	0.01	9	1610	< 2	< 5	18	42	0.23	< 10	< 10	114	< 5	167
SMB8 L8N 05+50E	201 238	274	< 1	< 0.01	11	230	10	< 5	10	30	0.05	< 10	< 10	99	< 5	67
SMB8 L8N 06+50E	201 238	455	< 1	0.01	16	330	8	< 5	7	50	0.14	< 10	< 10	48	< 5	68
SMB8 L8N 07+00E	201 238	463	< 1	0.02	38	230	16	< 5	10	51	0.07	< 10	< 10	46	< 5	68
SMB8 L8N 07+50E	201 238	493	< 1	0.01	14	350	22	< 5	8	47	0.17	< 10	< 10	56	< 5	73
SMB8 L8N 08+00E	201 238	566	< 1	0.02	38	350	8	< 5	8	54	0.10	< 10	< 10	60	< 5	53
SMB8 L8N 08+50E	201 238	148	< 1	0.02	9	170	< 2	< 5	2	28	0.09	< 10	< 10	28	< 5	38
SMB8 L8N 09+00E	201 238	247	< 1	0.02	15	240	10	< 5	2	35	0.12	< 10	< 10	28	< 5	50
SMB8 L8N 09+50E	201 238	241	< 1	0.01	24	260	16	< 5	2	40	0.18	< 10	< 10	40	< 5	53
SMB8 L8N 10+00E	201 238	231	< 1	< 0.01	39	520	8	< 5	3	37	0.18	< 10	< 10	57	< 5	60
SMB8 L8N 10+50E	201 238	174	< 1	0.01	25	200	< 2	< 5	4	39	0.14	< 10	< 10	35	< 5	54
SMB8 L8N 11+00E	201 238	446	< 1	0.02	16	260	2	< 5	4	23	0.05	< 10	< 10	27	< 5	51
SMB8 L8N 11+50E	201 238	112	< 1	0.03	10	220	< 2	< 5	2	87	0.07	< 10	< 10	26	< 5	35
SMB8 L8N 12+00E	201 238	187	< 1	0.03	26	680	10	< 5	4	43	0.12	< 10	< 10	48	< 5	64
SMB8 L8N 12+50E	201 238	254	< 1	0.02	12	120	10	< 5	1	43	0.08	< 10	< 10	22	< 5	38
SMB8 L8N 13+00E	201 238	194	< 1	0.02	17	220	10	< 5	2	54	0.15	< 10	< 10	29	< 5	43
SMB8 L8N 13+50E	201 238	186	< 1	0.21	5	110	14	< 5	1	36	0.05	< 10	< 10	19	< 5	29
SMB8 L8N 14+00E	201 238	611	< 1	0.02	14	390	< 2	< 5	2	37	0.19	< 10	< 10	46	< 5	74
SMB8 L8N 14+50E	201 238	628	< 1	0.02	21	380	10	< 5	4	37	0.24	< 10	< 10	55	< 5	73
SMB8 L8N 15+00E	201 238	233	< 1	0.02	18	500	18	< 5	3	130	0.19	< 10	< 10	60	< 5	62
SMB8 L8N 15+50E	201 238	858	< 1	0.02	21	1250	6	< 5	5	102	0.17	< 10	< 10	74	< 5	130
SMB8 L8N BL	201 238	653	< 1	0.01	68	520	12	< 5	11	48	0.01	< 10	< 10	37	< 5	50
SMB8 L8N 00+50W	201 238	467	< 1	0.02	41	270	< 2	< 5	7	43	0.18	< 10	< 10	64	< 5	57
SMB8 L8N 01+00W	201 238	349	< 1	0.02	63	330	4	< 5	9	39	0.21	< 10	< 10	65	< 5	61
SMB8 L8N 01+50W	201 238	579	< 1	0.03	87	500	< 2	< 5	8	29	0.16	< 10	< 10	60	< 5	81
SMB8 L8N 02+00W	201 238	563	< 1	0.04	148	350	< 2	< 5	20	38	0.11	< 10	< 10	75	< 5	62
SMB8 L8N 02+50W	201 238	395	< 1	0.02	81	340	< 2	< 5	9	47	0.18	< 10	< 10	64	< 5	63
SMB8 L8N 03+00W	201 238	445	< 1	0.03	65	400	< 2	< 5	7	38	0.16	< 10	< 10	57	< 5	73
SMB8 L8N 03+50W	201 238	844	< 1	0.04	120	710	< 2	< 5	14	58	0.11	< 10	< 10	74	< 5	89
SMB8 L8N 04+00W	201 238	643	< 1	0.05	67	420	< 2	< 5	10	46	0.14	< 10	< 10	83	< 5	67
SMB8 L8N 04+50W	201 238	245	< 1	0.01	53	300	4	< 5	11	118	0.04	< 10	< 10	62	< 5	51

CERTIFICATION

B. Coughlin



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SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Hg ppb	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
SMB8 L&N 05+00A	201 238	< 5	20	3.12	< 0.2	25	240	< 0.5	< 2	0.71	< 0.5	14	37	25	3.81	< 10	1	0.18	20	1.00
SMB8 L&N 05+50A	201 238	< 5	20	2.31	0.2	15	180	< 0.5	< 2	0.41	< 0.5	12	44	8	3.06	< 10	1	0.23	10	0.58
SMB8 L&N 06+00A	201 238	< 5	30	1.99	0.4	15	90	< 0.5	< 2	0.57	< 0.5	27	76	56	4.25	< 10	< 1	0.15	20	1.70
SMB8 L&N 06+50A	201 238	< 5	30	2.04	0.2	25	120	< 0.5	< 2	0.69	< 0.5	16	54	29	3.21	< 10	< 1	0.12	20	1.16
SMB8 L&N 07+00A	201 238	< 5	120	2.35	0.2	15	270	< 0.5	< 2	0.42	< 0.5	12	48	12	3.09	< 10	< 1	0.13	10	0.65
SMB8 L&N 07+50A	201 238	< 5	20	1.94	0.2	5	160	< 0.5	< 2	0.31	< 0.5	10	34	9	2.32	< 10	< 1	0.07	10	0.42
SMB8 L&N 08+00A	201 238	< 5	20	1.84	0.2	10	170	< 0.5	< 2	0.38	< 0.5	9	31	8	2.28	< 10	2	0.09	10	0.41
SMB8 L&N 08+50A	201 238	< 5	20	1.76	< 0.2	10	210	< 0.5	< 2	0.44	< 0.5	10	31	12	2.43	< 10	< 1	0.14	10	0.45
SMB8 L&N 09+00A	201 238	15	20	2.41	0.2	20	230	< 0.5	< 2	0.46	< 0.5	10	31	14	2.61	< 10	< 1	0.12	10	0.53
SMB8 L&N 09+50A	201 238	< 5	20	2.20	< 0.2	10	220	< 0.5	< 2	0.35	< 0.5	10	29	9	2.26	< 10	< 1	0.09	10	0.40
SMB8 L&N 10+00A	201 238	< 5	20	2.26	0.4	< 5	200	< 0.5	< 2	0.43	< 0.5	9	26	13	2.60	< 10	< 1	0.09	10	0.48
SMB8 LION 00+50Z01	238	< 5	20	3.39	0.4	10	190	0.5	< 2	0.29	< 0.5	18	65	14	3.83	< 10	< 1	0.06	10	0.61
SMB8 LION 01+00Z01	238	< 5	30	3.65	0.4	15	180	0.5	< 2	0.33	< 0.5	17	70	19	3.46	< 10	2	0.06	10	0.56
SMB8 LION 01+50Z01	238	< 5	30	3.62	0.6	25	170	0.5	< 2	0.36	< 0.5	19	78	17	3.75	< 10	< 1	0.07	10	0.57
SMB8 LION 02+00Z01	238	< 5	20	3.14	0.2	25	110	1.0	< 2	0.51	< 0.5	24	108	52	5.21	< 10	1	0.10	20	0.87
SMB8 LION 02+50Z01	238	< 5	30	2.61	0.2	15	220	0.5	< 2	0.39	< 0.5	20	63	28	4.20	< 10	< 1	0.13	10	0.58
SMB8 LION 03+00Z01	238	< 5	30	2.15	0.2	40	180	1.0	< 2	0.40	< 0.5	22	20	15	6.05	< 10	< 1	0.09	20	0.68
SMB8 LION 03+50Z01	238	< 5	20	1.72	0.2	45	140	1.0	< 2	0.70	< 0.5	28	2	13	7.00	< 10	< 1	0.12	20	1.23
SMB8 LION 04+00Z01	238	< 5	50	2.32	0.2	60	190	0.5	< 2	0.46	< 0.5	41	23	9	7.13	< 10	< 1	0.17	20	0.81
SMB8 LION 04+50Z01	238	< 5	40	1.43	0.4	20	390	< 0.5	< 2	0.41	< 0.5	15	29	27	2.52	< 10	< 1	0.26	20	0.51
SMB8 LION 05+00Z01	238	< 5	30	1.25	0.2	10	220	< 0.5	4	0.53	< 0.5	15	25	43	2.04	< 10	< 1	0.23	10	0.41
SMB8 LION 05+50Z01	238	< 5	30	1.68	0.4	15	180	< 0.5	< 2	0.40	< 0.5	11	44	23	2.89	< 10	< 1	0.14	10	0.54
SMB8 LION 06+00Z01	238	< 5	20	1.74	0.2	15	160	< 0.5	< 2	0.33	< 0.5	11	44	13	2.83	< 10	< 1	0.11	10	0.42
SMB8 LION 06+50Z01	238	< 5	20	1.25	0.2	20	150	< 0.5	< 2	0.28	< 0.5	8	31	13	2.27	< 10	< 1	0.11	10	0.37
SMB8 LION 07+00Z01	238	< 5	20	1.88	0.4	< 5	120	< 0.5	2	0.36	< 0.5	7	28	18	1.97	< 10	< 1	0.12	10	0.31
SMB8 LION 07+50Z01	238	< 5	20	1.48	0.2	15	120	< 0.5	< 2	0.40	< 0.5	8	29	31	1.98	< 10	< 1	0.22	20	0.37
SMB8 LION 08+00Z01	238	< 5	20	1.41	< 0.2	< 5	170	< 0.5	< 2	0.23	< 0.5	4	13	3	1.36	< 10	< 1	0.13	< 10	0.16
SMB8 LION 08+50Z01	238	< 5	20	2.33	0.2	< 5	170	< 0.5	< 2	0.43	< 0.5	13	33	16	2.55	< 10	1	0.10	10	0.36
SMB8 LION 09+00Z01	238	< 5	10	1.45	0.2	5	170	< 0.5	< 2	0.24	< 0.5	6	26	7	1.58	< 10	2	0.14	< 10	0.19
SMB8 LION 09+50Z01	238	< 5	20	1.56	< 0.2	< 5	160	< 0.5	< 2	0.26	< 0.5	8	27	8	2.15	< 10	1	0.06	< 10	0.33
SMB8 LION 10+00Z01	238	< 5	20	2.51	0.2	5	220	< 0.5	< 2	0.29	< 0.5	12	38	10	2.69	< 10	< 1	0.10	10	0.39
SMB8 LION BL	201 238	< 5	20	4.38	0.2	25	260	< 0.5	4	0.46	< 0.5	20	68	24	3.72	< 10	1	0.08	10	0.82
SMB8 LION 00+50Z01	238	< 5	20	3.98	0.4	10	150	< 0.5	2	0.48	< 0.5	23	70	31	4.22	< 10	1	0.08	10	1.01
SMB8 LION 01+00Z01	238	< 5	20	2.79	0.4	20	100	< 0.5	< 2	0.58	< 0.5	26	219	41	4.09	< 10	< 1	0.10	10	0.70
SMB8 LION 01+50Z01	238	< 5	20	2.19	0.6	< 5	70	< 0.5	< 2	0.65	< 0.5	26	61	38	4.34	< 10	< 1	0.08	10	1.20
SMB8 LION 02+00Z01	238	< 5	20	2.67	0.2	< 5	130	< 0.5	4	0.47	< 0.5	23	58	27	3.90	< 10	< 1	0.10	10	0.86
SMB8 LION 02+50Z01	238	< 5	20	2.51	0.6	20	100	< 0.5	< 2	0.48	< 0.5	40	63	51	6.01	< 10	< 1	0.10	10	1.06
SMB8 LION 03+00Z01	238	< 5	20	1.70	0.6	< 5	90	< 0.5	2	0.55	< 0.5	29	83	56	4.42	< 10	< 1	0.13	10	1.66
SMB8 LION 03+50Z01	238	< 5	20	3.00	0.6	5	120	< 0.5	< 2	0.53	< 0.5	31	93	41	4.18	< 10	2	0.09	10	1.69
SMB8 LION 04+00Z01	238	< 5	20	2.24	0.4	< 5	100	< 0.5	6	0.42	< 0.5	19	58	40	3.44	< 10	1	0.10	10	1.02

CERTIFICATION :

B. Coughlin



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Project: 232

Comments:

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Tot. Pages: 6

Date: 6-OCT-88

Invoice #: I-8824342

P.O. # NONE

CERTIFICATE OF ANALYSIS A8824342

SAMPLE DESCRIPTION	PREP CODE	Mb ppm	Mb ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Ti ppm	U ppm	V ppm	W ppm	Zn ppm
SMB8 L8N 05+00W	201 238	428	< 1	0.01	36	410	20	5	16	228	0.02	< 10	< 10	82	< 5	58
SMB8 L8N 05+50W	201 238	481	< 1	0.01	33	590	10	< 5	6	93	0.12	< 10	< 10	62	< 5	91
SMB8 L8N 06+00W	201 238	667	< 1	0.03	120	680	18	< 5	14	50	0.07	< 10	< 10	65	< 5	76
SMB8 L8N 06+50W	201 238	364	< 1	0.03	54	700	6	< 5	9	111	0.06	< 10	< 10	53	< 5	79
SMB8 L8N 07+00W	201 238	262	< 1	0.01	44	840	14	< 5	4	72	0.19	< 10	< 10	65	< 5	73
SMB8 L8N 07+50W	201 238	496	< 1	0.01	26	530	10	< 5	3	61	0.15	< 10	< 10	56	< 5	93
SMB8 L8N 08+00W	201 238	420	< 1	0.01	21	510	8	< 5	4	81	0.16	< 10	< 10	57	< 5	135
SMB8 L8N 08+50W	201 238	594	< 1	0.01	22	490	6	< 5	4	127	0.14	< 10	< 10	63	< 5	75
SMB8 L8N 09+00W	201 238	696	< 1	0.01	25	690	< 2	< 5	4	126	0.12	< 10	< 10	60	< 5	90
SMB8 L8N 09+50W	201 238	501	< 1	0.01	26	630	8	< 5	3	65	0.13	< 10	< 10	52	< 5	154
SMB8 L8N 10+00W	201 238	392	< 1	0.01	19	520	12	< 5	4	99	0.12	< 10	< 10	60	< 5	97
SMB8 L10N 00+50E	201 238	327	< 1	0.01	80	910	< 2	< 5	4	39	0.18	< 10	< 10	72	< 5	111
SMB8 L10N 01+00E	201 238	936	< 1	0.01	85	770	< 2	< 5	6	49	0.15	< 10	< 10	63	< 5	108
SMB8 L10N 01+50E	201 238	526	< 1	0.01	82	980	10	< 5	7	45	0.19	< 10	< 10	74	< 5	107
SMB8 L10N 02+00E	201 238	462	< 1	0.01	140	750	2	< 5	15	51	0.14	< 10	< 10	83	< 5	77
SMB8 L10N 02+50E	201 238	553	< 1	0.01	74	520	6	< 5	9	55	0.14	< 10	< 10	77	< 5	77
SMB8 L10N 03+00E	201 238	1115	< 1	0.01	33	720	10	< 5	11	38	0.13	< 10	< 10	93	< 5	93
SMB8 L10N 03+50E	201 238	982	< 1	0.01	9	790	2	< 5	20	31	0.19	< 10	< 10	116	< 5	94
SMB8 L10N 04+00E	201 238	1365	< 1	0.02	29	770	< 2	< 5	17	50	0.27	< 10	< 10	119	< 5	94
SMB8 L10N 04+50E	201 238	559	< 1	0.01	28	290	< 2	< 5	7	44	0.12	< 10	< 10	48	< 5	49
SMB8 L10N 05+00E	201 238	819	< 1	0.04	29	360	12	< 5	5	66	0.09	< 10	< 10	47	< 5	38
SMB8 L10N 05+50E	201 238	351	< 1	0.03	33	310	6	< 5	7	59	0.16	< 10	< 10	56	< 5	58
SMB8 L10N 06+00E	201 238	434	< 1	0.02	27	240	6	< 5	6	47	0.24	< 10	< 10	59	< 5	58
SMB8 L10N 06+50E	201 238	336	< 1	0.02	21	180	14	< 5	4	44	0.15	< 10	< 10	49	< 5	41
SMB8 L10N 07+00E	201 238	259	< 1	0.02	18	240	6	< 5	4	41	0.09	< 10	< 10	34	< 5	43
SMB8 L10N 07+50E	201 238	189	< 1	0.02	31	250	2	< 5	5	43	0.03	< 10	< 10	32	< 5	36
SMB8 L10N 08+00E	201 238	308	< 1	0.02	20	430	6	< 5	1	21	0.12	< 10	< 10	34	< 5	65
SMB8 L10N 08+50E	201 238	322	< 1	0.01	27	420	6	< 5	4	40	0.13	< 10	< 10	51	< 5	58
SMB8 L10N 09+00E	201 238	224	< 1	0.02	15	200	8	< 5	2	35	0.14	< 10	< 10	29	< 5	40
SMB8 L10N 09+50E	201 238	284	< 1	0.01	22	700	< 2	5	2	27	0.14	< 10	< 10	45	45	49
SMB8 L10N 10+00E	201 238	463	< 1	0.01	32	700	< 2	< 5	3	45	0.15	< 10	< 10	53	< 5	93
SMB8 L10N BL	201 238	501	< 1	0.01	100	940	< 2	< 5	7	69	0.14	< 10	< 10	62	< 5	105
SMB8 L10N 00+50E	201 238	400	< 1	0.02	93	820	< 2	< 5	10	56	0.13	< 10	< 10	67	< 5	73
SMB8 L10N 01+00E	201 238	652	< 1	0.08	123	520	4	< 5	14	74	0.12	< 10	< 10	72	< 5	69
SMB8 L10N 01+50E	201 238	489	< 1	0.06	58	450	< 2	< 5	20	51	0.11	< 10	< 10	86	< 5	66
SMB8 L10N 02+00E	201 238	795	< 1	0.03	73	590	< 2	5	11	46	0.14	< 10	< 10	69	< 5	97
SMB8 L10N 02+50E	201 238	962	< 1	0.05	146	580	< 2	5	16	38	0.14	< 10	< 10	87	< 5	73
SMB8 L10N 03+00E	201 238	734	< 1	0.04	137	330	< 2	< 5	18	29	0.10	< 10	< 10	87	5	66
SMB8 L10N 03+50E	201 238	795	< 1	0.02	138	450	18	< 5	14	49	0.10	< 10	< 10	74	5	79
SMB8 L10N 04+00E	201 238	421	< 1	0.02	73	360	8	< 5	10	36	0.08	< 10	< 10	64	< 5	64

CERTIFICATION :

B. Coughlin



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CERTIFICATE OF ANALYSIS A8824342

SAMPLE DESCRIPTION	PREP CODE	Au ppb Pt+AA	Hg ppb	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
SMB8 L10N 04+50E	201 238	< 5	20	1.76	0.4	15	110	< 0.5	4	0.52	< 0.5	24	67	40	3.46	< 10	< 1	0.19	10	1.18
SMB8 L10N 05+50E	201 238	< 5	20	1.78	0.6	< 5	80	< 0.5	4	0.49	< 0.5	24	89	42	3.71	< 10	< 1	0.34	10	1.43
SMB8 L10N 06+00E	201 238	< 5	20	1.88	0.6	< 5	100	< 0.5	4	0.45	< 0.5	22	88	34	3.94	< 10	< 1	0.21	10	0.93
SMB8 L10N 06+50E	201 238	< 5	20	1.27	< 0.2	< 5	440	0.5	4	0.46	< 0.5	7	18	12	1.28	< 10	< 1	0.30	10	0.49
SMB8 L10N 07+00E	201 238	< 5	20	2.90	0.2	20	260	0.5	< 2	0.73	< 0.5	13	37	27	3.26	10	< 1	0.17	10	0.93
SMB8 L10N 07+50E	201 238	< 5	20	2.11	0.2	20	180	< 0.5	< 2	0.45	< 0.5	11	37	13	2.83	< 10	< 1	0.16	10	0.63
SMB8 L10N 08+00E	201 238	< 5	20	1.88	0.2	25	120	0.5	< 2	0.54	< 0.5	17	46	24	3.15	< 10	< 1	0.11	10	1.11
SMB8 L10N 08+50E	201 238	< 5	20	1.69	< 0.2	5	110	< 0.5	< 2	0.54	< 0.5	14	39	19	2.66	< 10	2	0.07	10	0.85
SMB8 L10N 09+00E	201 238	< 5	30	2.67	0.4	10	150	0.5	< 2	0.69	< 0.5	11	42	23	2.98	< 10	< 1	0.09	20	0.58
SMB8 L10N 09+50E	201 238	< 5	20	1.62	0.4	< 5	170	< 0.5	< 2	0.39	< 0.5	6	26	8	2.35	< 10	< 1	0.11	10	0.40
SMB8 L10N 10+00E	201 238	< 5	20	1.48	0.4	20	190	< 0.5	< 2	0.39	< 0.5	7	26	13	2.29	< 10	< 1	0.14	10	0.36
SMB8 L2S 00+50E	201 238	< 5	40	4.49	0.2	15	190	< 0.5	< 2	1.22	< 0.5	14	26	31	3.69	10	1	0.07	10	1.00
SMB8 L2S 01+00E	201 238	< 5	30	5.67	0.2	30	310	< 0.5	< 2	0.66	< 0.5	15	34	27	4.06	10	< 1	0.06	10	0.85
SMB8 L2S 01+50E	201 238	< 5	20	5.41	0.2	< 5	250	< 0.5	< 2	0.50	< 0.5	17	30	24	4.18	< 10	1	0.13	10	0.97
SMB8 L2S 02+00E	201 238	< 5	30	4.70	0.4	30	190	< 0.5	< 2	0.47	< 0.5	16	36	21	4.30	10	< 1	0.08	10	0.95
SMB8 L2S 02+50E	201 238	< 5	20	4.27	0.2	< 5	180	< 0.5	< 2	0.54	< 0.5	16	26	21	3.72	< 10	< 1	0.05	10	0.89
SMB8 L2S 03+00E	201 238	< 5	20	5.87	0.4	< 5	280	< 0.5	2	0.85	< 0.5	20	35	38	4.19	10	< 1	0.06	10	1.19
SMB8 L2S 03+50E	201 238	< 5	20	5.01	0.4	< 5	280	< 0.5	< 2	0.79	< 0.5	18	29	31	3.81	10	< 1	0.09	10	0.98
SMB8 L2S 04+00E	201 238	< 5	30	5.49	0.2	< 5	170	< 0.5	2	1.01	< 0.5	20	26	34	4.12	10	< 1	0.09	10	1.19
SMB8 L2S 05+00E	201 238	< 5	30	6.10	< 0.2	5	130	< 0.5	8	1.68	< 0.5	18	20	51	3.74	10	< 1	0.09	10	1.02
SMB8 L2S 05+50E	201 238	< 5	20	5.52	0.4	5	150	< 0.5	< 2	0.85	< 0.5	21	31	43	4.76	10	2	0.05	10	1.16
SMB8 L2S 06+00E	201 238	< 5	30	5.39	0.4	20	200	< 0.5	< 2	1.10	< 0.5	17	29	42	3.79	10	< 1	0.08	10	1.11
SMB8 L2S 06+50E	201 238	< 5	30	4.43	0.2	10	210	< 0.5	< 2	0.69	< 0.5	20	31	31	4.46	10	< 1	0.03	10	1.25
SMB8 L2S 07+00E	201 238	< 5	30	4.61	0.4	30	150	< 0.5	< 2	0.51	< 0.5	20	24	34	4.06	10	< 1	0.03	10	1.02
SMB8 L2S 07+50E	201 238	< 5	30	4.54	0.4	20	210	< 0.5	< 2	0.66	< 0.5	19	26	41	4.34	10	1	0.08	10	1.01
SMB8 L2S 08+00E	201 238	< 5	20	4.53	0.2	10	190	< 0.5	2	0.59	< 0.5	19	33	27	4.14	10	< 1	0.13	10	0.93
SMB8 L2S 08+50E	201 238	< 5	30	4.92	0.2	25	200	< 0.5	< 2	1.48	< 0.5	21	32	56	4.37	10	< 1	0.08	20	1.26
SMB8 L2S 09+00E	201 238	< 5	20	4.02	0.2	25	310	< 0.5	2	1.12	< 0.5	17	32	34	4.26	10	< 1	0.16	20	1.05
SMB8 L2S 09+50E	201 238	< 5	20	4.14	0.4	20	230	< 0.5	< 2	1.00	< 0.5	17	40	32	4.31	10	< 1	0.18	20	1.07
SMB8 L2S 10+00E	201 238	< 5	40	3.28	0.2	5	110	< 0.5	< 2	1.41	< 0.5	16	24	28	3.56	10	< 1	0.05	10	0.93
SMB8 L2S 10+50E	201 238	< 5	20	4.34	0.4	< 5	150	< 0.5	2	0.56	< 0.5	20	39	23	4.25	10	2	0.05	10	1.01
SMB8 L2S 11+00E	201 238	< 5	20	5.76	0.2	25	230	< 0.5	< 2	1.12	< 0.5	21	46	42	4.82	10	< 1	0.07	20	1.39
SMB8 L2S 11+50E	201 238	< 5	20	5.49	0.4	5	220	< 0.5	6	1.24	< 0.5	21	32	39	4.80	10	< 1	0.05	10	1.29
SMB8 L2S 12+00E	201 238	< 5	20	4.16	0.4	< 5	150	< 0.5	< 2	1.10	< 0.5	21	29	54	4.79	10	1	0.11	10	0.79
SMB8 L2S 12+50E	201 238	< 5	20	5.86	0.4	20	380	< 0.5	< 2	1.31	< 0.5	22	34	46	5.28	10	1	0.06	20	1.54
SMB8 L2S 13+00E	201 238	< 5	20	6.38	0.4	40	230	< 0.5	4	1.88	< 0.5	24	37	72	5.40	20	< 1	0.06	20	1.73
SMB8 L2S 13+50E	201 238	< 5	40	4.91	0.2	15	800	< 0.5	2	1.68	< 0.5	13	27	27	3.45	20	1	0.15	10	0.88
SMB8 L2S 14+00E	201 238	< 5	30	4.06	0.2	25	210	< 0.5	< 2	0.49	< 0.5	14	23	21	3.52	10	2	0.04	10	0.85
SMB8 L2S 14+50E	201 238	< 5	20	1.98	0.2	5	90	< 0.5	< 2	0.16	< 0.5	8	15	8	2.26	< 10	< 1	0.03	< 10	0.39
SMB8 L2S 15+00E	201 238	< 5	20	3.76	0.4	30	160	< 0.5	4	0.40	< 0.5	14	26	24	3.43	10	1	0.06	10	0.77

CERTIFICATION :



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CERTIFICATE OF ANALYSIS A8824342

SAMPLE DESCRIPTION	PREP CODE	Mn ppm	Mb 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
SMB8 L10N 04+50E	201 238	771	< 1	0.03	100	560	< 2	< 5	11	59	0.11	< 10	< 10	74	< 5	65
SMB8 L10N 05+50E	201 238	681	< 1	0.03	108	330	< 2	< 5	13	31	0.10	< 10	< 10	61	5	70
SMB8 L10N 06+00E	201 238	604	< 1	0.04	93	350	< 2	< 5	13	39	0.12	< 10	< 10	74	< 5	67
SMB8 L10N 06+50E	201 238	369	< 1	0.01	13	210	14	< 5	4	97	0.07	< 10	< 10	28	< 5	41
SMB8 L10N 07+00E	201 238	275	< 1	0.01	33	330	2	< 5	11	166	0.06	< 10	< 10	77	< 5	53
SMB8 L10N 07+50E	201 238	298	< 1	0.01	25	300	< 2	< 5	6	155	0.14	< 10	< 10	69	< 5	55
SMB8 L10N 08+00E	201 238	453	< 1	0.02	53	820	6	< 5	8	71	0.06	< 10	< 10	56	< 5	66
SMB8 L10N 08+50E	201 238	267	< 1	0.03	35	660	< 2	< 5	5	72	0.06	< 10	< 10	48	< 5	63
SMB8 L10N 09+00E	201 238	714	< 1	0.01	25	1030	4	< 5	7	79	0.08	< 10	< 10	59	< 5	83
SMB8 L10N 09+50E	201 238	341	< 1	0.01	17	370	6	< 5	4	84	0.16	< 10	< 10	55	< 5	63
SMB8 L10N 10+00E	201 238	339	< 1	0.01	17	230	12	< 5	4	120	0.14	< 10	< 10	61	< 5	48
SMB8 L2S 00+50E	201 238	343	< 1	0.05	24	510	< 2	5	8	284	0.15	< 10	< 10	104	< 5	85
SMB8 L2S 01+00E	201 238	313	< 1	0.02	29	690	< 2	< 5	7	241	0.15	< 10	< 10	106	< 5	105
SMB8 L2S 01+50E	201 238	449	< 1	0.01	28	1130	8	5	7	155	0.18	< 10	< 10	108	< 5	150
SMB8 L2S 02+00E	201 238	372	< 1	0.01	30	1080	< 2	5	7	142	0.20	< 10	< 10	118	< 5	147
SMB8 L2S 02+50E	201 238	400	< 1	0.02	23	560	10	< 5	6	178	0.16	< 10	< 10	110	< 5	98
SMB8 L2S 03+00E	201 238	344	< 1	0.03	27	590	8	< 5	8	357	0.16	< 10	< 10	116	< 5	92
SMB8 L2S 03+50E	201 238	385	< 1	0.02	24	890	< 2	< 5	7	296	0.11	< 10	< 10	104	< 5	85
SMB8 L2S 04+00E	201 238	304	< 1	0.03	28	650	10	< 5	8	321	0.22	< 10	< 10	125	< 5	83
SMB8 L2S 05+00E	201 238	322	< 1	0.04	21	560	16	< 5	8	188	0.20	< 10	< 10	118	< 5	95
SMB8 L2S 05+50E	201 238	375	< 1	0.04	23	650	12	< 5	13	213	0.16	< 10	< 10	136	< 5	78
SMB8 L2S 06+00E	201 238	329	< 1	0.03	19	510	2	< 5	7	274	0.15	< 10	< 10	118	< 5	75
SMB8 L2S 06+50E	201 238	290	< 1	0.02	26	310	24	5	9	199	0.07	< 10	< 10	127	< 5	74
SMB8 L2S 07+00E	201 238	467	< 1	0.02	26	400	4	< 5	6	101	0.11	< 10	< 10	124	< 5	90
SMB8 L2S 07+50E	201 238	426	< 1	0.01	24	850	< 2	5	10	115	0.03	< 10	< 10	117	< 5	107
SMB8 L2S 08+00E	201 238	1010	< 1	0.02	30	1510	< 2	< 5	9	135	0.18	< 10	< 10	117	< 5	143
SMB8 L2S 08+50E	201 238	441	< 1	0.06	21	370	6	< 5	16	439	0.26	< 10	< 10	135	< 5	76
SMB8 L2S 09+00E	201 238	543	< 1	0.05	23	480	< 2	< 5	13	678	0.33	< 10	< 10	141	< 5	95
SMB8 L2S 09+50E	201 238	432	< 1	0.03	24	450	16	< 5	14	368	0.23	< 10	< 10	133	< 5	94
SMB8 L2S 10+00E	201 238	640	< 1	0.04	19	640	< 2	< 5	8	167	0.14	< 10	< 10	107	5	84
SMB8 L2S 10+50E	201 238	476	< 1	0.02	29	510	14	< 5	7	167	0.19	< 10	< 10	138	5	85
SMB8 L2S 11+00E	201 238	501	< 1	0.04	31	510	< 2	5	13	522	0.23	< 10	< 10	158	< 5	83
SMB8 L2S 11+50E	201 238	400	< 1	0.07	22	370	6	< 5	12	631	0.25	< 10	< 10	151	< 5	88
SMB8 L2S 12+00E	201 238	400	< 1	0.02	14	590	< 2	< 5	13	255	0.06	< 10	< 10	139	< 5	86
SMB8 L2S 12+50E	201 238	538	< 1	0.09	14	390	< 2	< 5	16	908	0.34	< 10	< 10	176	5	97
SMB8 L2S 13+00E	201 238	450	< 1	0.10	22	320	< 2	5	21	580	0.38	< 10	< 10	192	< 5	88
SMB8 L2S 13+50E	201 238	298	< 1	0.05	14	370	< 2	< 5	6	1035	0.16	< 10	< 10	116	5	77
SMB8 L2S 14+00E	201 238	339	< 1	0.02	18	880	4	< 5	5	187	0.13	< 10	< 10	92	< 5	99
SMB8 L2S 14+50E	201 238	221	< 1	0.02	10	600	6	< 5	3	44	0.13	< 10	< 10	65	< 5	62
SMB8 L2S 15+00E	201 238	269	< 1	0.01	24	740	6	< 5	6	84	0.14	< 10	< 10	85	< 5	103

CERTIFICATION :

B. Coughlin



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CERTIFICATE OF ANALYSIS A8824342

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Hg ppb	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
SMB8 L2S 15+50E	201 238	10	20	3.03	0.2	5	120	< 0.5	< 2	0.67	< 0.5	11	25	9	3.61	< 10	< 1	0.06	10	0.84
SMB8 L2S 16+00E	201 238	< 5	30	4.86	0.2	10	170	< 0.5	< 2	0.88	< 0.5	15	22	27	4.11	10	2	0.07	10	1.26
SMB8 L2S BL	201 238	< 5	20	4.91	0.4	5	210	< 0.5	< 2	0.79	< 0.5	18	41	23	4.24	10	1	0.10	10	1.04
SMB8 L2S 01+00W	201 238	< 5	40	4.13	< 0.2	< 5	160	< 0.5	< 2	1.38	< 0.5	16	38	37	3.83	10	2	0.08	20	1.19
SMB8 L2S 02+00W	201 238	< 5	30	2.70	0.2	< 5	160	< 0.5	< 2	1.03	< 0.5	17	33	26	3.61	< 10	< 1	0.13	20	1.04
SMB8 L2S 02+50W	201 238	< 5	20	3.49	0.2	< 5	200	< 0.5	< 2	1.10	< 0.5	15	29	41	3.81	< 10	1	0.19	20	1.01
SMB8 L2S 03+00W	201 238	< 5	20	3.11	0.2	< 5	260	< 0.5	< 2	0.94	< 0.5	17	33	33	4.06	10	< 1	0.21	20	0.88
SMB8 L2S 03+50W	201 238	< 5	20	3.88	0.2	10	250	< 0.5	< 2	1.10	< 0.5	19	32	43	4.31	10	< 1	0.19	20	1.13
SMB8 L2S 04+00W	201 238	< 5	30	2.96	0.2	< 5	240	< 0.5	< 2	0.57	< 0.5	13	42	15	3.42	< 10	< 1	0.11	10	0.73
SMB8 L2S 04+50W	201 238	< 5	20	3.40	0.2	< 5	210	< 0.5	< 2	0.83	< 0.5	15	42	28	3.57	< 10	< 1	0.19	10	0.81
SMB8 L2S 05+00W	201 238	< 5	20	2.32	0.2	< 5	180	< 0.5	< 2	0.49	< 0.5	10	49	13	3.09	< 10	< 1	0.13	10	0.54
SMB8 L2S 05+50W	201 238	< 5	30	2.36	0.6	10	200	< 0.5	2	0.43	< 0.5	16	55	15	3.16	10	< 1	0.08	10	0.51
SMB8 L2S 06+00W	201 238	< 5	10	1.56	0.4	5	220	< 0.5	< 2	0.34	< 0.5	7	34	8	2.25	< 10	1	0.13	10	0.32
SMB8 L2S 06+50W	201 238	< 5	10	2.53	0.2	15	180	< 0.5	< 2	0.33	< 0.5	12	40	9	2.87	< 10	< 1	0.08	10	0.48
SMB8 L2S 07+00W	201 238	< 5	30	1.91	0.4	30	140	< 0.5	2	0.57	< 0.5	11	45	15	3.15	< 10	< 1	0.15	10	0.61
SMB8 L2S 07+50W	201 238	< 5	20	1.94	0.2	10	180	< 0.5	< 2	0.51	< 0.5	13	51	16	3.26	10	1	0.13	10	0.55
SMB8 L2S 08+00W	201 238	10	10	2.03	0.4	10	150	< 0.5	< 2	0.44	< 0.5	12	106	10	2.78	< 10	1	0.13	10	0.61
SMB8 L2S 08+50W	201 238	< 5	20	2.40	0.4	< 5	160	< 0.5	< 2	0.61	< 0.5	10	35	35	2.66	10	1	0.21	10	0.83
SMB8 L2S 09+00W	201 238	< 5	20	1.98	0.4	25	180	< 0.5	< 2	0.50	< 0.5	13	53	13	2.83	< 10	< 1	0.16	10	0.57
SMB8 L2S 09+50W	201 238	< 5	10	1.94	0.2	10	190	< 0.5	< 2	0.49	< 0.5	11	59	13	2.77	< 10	< 1	0.13	10	0.54
SMB8 L2S 10+00W	201 238	< 5	40	1.77	0.2	15	130	< 0.5	< 2	0.80	< 0.5	10	34	21	2.62	< 10	< 1	0.07	10	0.74
SMB8 L4S 00+50E	201 238	< 5	30	5.15	0.2	15	230	< 0.5	< 2	0.92	< 0.5	19	29	33	4.52	10	< 1	0.15	10	1.12
SMB8 L4S 01+00E	201 238	< 5	50	2.92	< 0.2	20	80	< 0.5	< 2	3.05	< 0.5	13	12	36	2.71	10	< 1	0.06	< 10	0.82
SMB8 L4S 01+50E	201 238	< 5	30	5.42	0.4	70	80	< 0.5	< 2	1.67	< 0.5	23	21	43	5.01	20	< 1	0.09	20	1.75
SMB8 L4S 02+00E	201 238	35	30	4.04	< 0.2	< 5	130	< 0.5	< 2	1.26	< 0.5	17	21	29	3.51	10	< 1	0.08	10	1.02
SMB8 L4S 02+50E	201 238	< 5	20	6.62	0.2	30	200	< 0.5	< 2	1.24	< 0.5	19	25	49	4.78	10	< 1	0.05	10	1.32
SMB8 L4S 03+00E	201 238	< 5	30	6.12	0.2	25	210	< 0.5	< 2	0.67	< 0.5	21	29	34	4.48	10	< 1	0.05	10	1.16
SMB8 L4S 03+50E	201 238	< 5	20	5.73	< 0.2	30	300	< 0.5	< 2	1.03	< 0.5	21	21	34	4.64	10	< 1	0.06	10	1.42
SMB8 L4S 04+00E	201 238	< 5	30	5.41	0.2	25	340	< 0.5	< 2	0.99	< 0.5	21	30	57	5.43	10	1	0.11	10	1.48
SMB8 L4S 04+50E	201 238	< 5	140	4.43	0.6	20	150	< 0.5	< 2	0.53	< 0.5	22	36	35	5.60	10	1	0.05	10	1.04
SMB8 L4S 05+00E	201 238	< 5	30	5.21	0.2	20	140	< 0.5	< 2	1.31	< 0.5	19	36	31	4.71	10	< 1	0.03	10	1.18
SMB8 L4S 05+50E	201 238	< 5	30	5.23	0.6	< 5	190	< 0.5	< 2	0.47	< 0.5	20	38	25	4.64	10	< 1	0.06	10	0.95
SMB8 L4S 06+00E	201 238	< 5	20	6.94	0.4	5	250	< 0.5	< 2	1.54	< 0.5	23	48	66	5.07	10	2	0.13	10	1.88
SMB8 L4S 06+50E	201 238	< 5	20	7.62	0.4	30	300	< 0.5	< 2	1.66	< 0.5	24	34	69	5.62	20	< 1	0.04	20	1.84
SMB8 L4S 07+00E	201 238	< 5	20	4.77	0.2	30	220	< 0.5	< 2	0.82	< 0.5	16	41	30	4.17	10	< 1	0.07	10	0.85
SMB8 L4S 07+50E	201 238	< 5	20	5.85	0.2	20	150	< 0.5	2	1.22	< 0.5	19	40	67	4.51	10	< 1	0.12	20	1.15
SMB8 L4S 08+00E	201 238	< 5	30	5.92	0.2	5	170	< 0.5	< 2	1.51	< 0.5	20	45	78	4.48	10	< 1	0.14	20	1.22
SMB8 L4S 08+50E	201 238	< 5	20	6.08	0.2	10	140	< 0.5	2	1.63	< 0.5	19	37	84	4.51	10	< 1	0.14	20	1.23
SMB8 L4S 09+00E	201 238	< 5	10	3.87	< 0.2	25	200	< 0.5	< 2	0.70	< 0.5	13	40	24	3.75	< 10	< 1	0.05	10	0.73
SMB8 L4S 09+50E	201 238	< 5	20	6.88	0.2	30	290	< 0.5	< 2	1.32	< 0.5	23	30	56	5.37	10	< 1	0.06	20	1.64

CERTIFICATION :

B. Coughlin



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CERTIFICATE OF ANALYSIS A8824342

SAMPLE DESCRIPTION	PREP CODE	Mn ppm	Mb 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
SMB8 L2S 15+50E	201 238	612	< 1	0.01	16	380	4	< 5	6	117	0.13	< 10	< 10	100	< 5	83
SMB8 L2S 16+00E	201 238	385	< 1	0.03	18	620	< 2	5	8	263	0.14	< 10	< 10	109	< 5	84
SMB8 L2S BL	201 238	655	< 1	0.03	37	650	10	< 5	7	200	0.23	< 10	< 10	118	< 5	104
SMB8 L2S 01+00W	201 238	405	< 1	0.06	33	610	< 2	< 5	11	247	0.19	< 10	< 10	109	< 5	77
SMB8 L2S 02+00W	201 238	609	< 1	0.03	38	900	< 2	< 5	8	196	0.14	< 10	< 10	89	< 5	71
SMB8 L2S 02+50W	201 238	469	< 1	0.03	22	420	< 2	< 5	11	324	0.12	< 10	< 10	103	< 5	73
SMB8 L2S 03+00W	201 238	715	< 1	0.03	23	300	< 2	< 5	10	409	0.17	< 10	< 10	136	< 5	84
SMB8 L2S 03+50W	201 238	601	< 1	0.04	26	380	8	5	12	467	0.15	< 10	< 10	134	< 5	79
SMB8 L2S 04+00W	201 238	508	< 1	0.02	35	570	6	5	7	178	0.17	< 10	< 10	91	< 5	84
SMB8 L2S 04+50W	201 238	492	< 1	0.02	30	530	4	< 5	8	202	0.16	< 10	< 10	89	< 5	71
SMB8 L2S 05+00W	201 238	319	< 1	0.01	32	340	4	< 5	6	101	0.22	< 10	< 10	79	< 5	62
SMB8 L2S 05+50W	201 238	420	< 1	0.01	44	430	4	< 5	6	85	0.22	< 10	< 10	82	< 5	66
SMB8 L2S 06+00W	201 238	234	< 1	0.01	20	220	2	< 5	3	115	0.19	< 10	< 10	68	< 5	44
SMB8 L2S 06+50W	201 238	374	< 1	0.01	45	670	18	< 5	4	64	0.16	< 10	< 10	73	< 5	85
SMB8 L2S 07+00W	201 238	272	< 1	0.01	35	510	16	< 5	7	81	0.17	< 10	< 10	79	< 5	55
SMB8 L2S 07+50W	201 238	354	< 1	0.02	31	290	18	< 5	6	154	0.18	< 10	< 10	103	< 5	52
SMB8 L2S 08+00W	201 238	342	< 1	0.04	59	250	6	< 5	6	83	0.20	< 10	< 10	92	< 5	60
SMB8 L2S 08+50W	201 238	295	< 1	0.02	38	410	8	< 5	8	144	0.08	< 10	< 10	63	< 5	59
SMB8 L2S 09+00W	201 238	369	< 1	0.02	38	230	10	< 5	6	135	0.22	< 10	< 10	85	< 5	63
SMB8 L2S 09+50W	201 238	295	< 1	0.02	40	220	14	< 5	6	135	0.21	< 10	< 10	88	< 5	52
SMB8 L2S 10+00W	201 238	261	< 1	0.04	26	280	8	< 5	6	119	0.11	< 10	< 10	54	< 5	50
SMB8 L4S 00+50E	201 238	697	< 1	0.03	28	770	< 2	< 5	11	383	0.06	< 10	< 10	134	< 5	102
SMB8 L4S 01+00E	201 238	446	< 1	0.06	17	630	< 2	< 5	7	183	0.11	< 10	< 10	105	< 5	81
SMB8 L4S 01+50E	201 238	521	< 1	0.02	23	580	10	5	13	120	0.37	< 10	< 10	168	< 5	86
SMB8 L4S 02+00E	201 238	620	< 1	0.03	22	600	< 2	< 5	8	208	0.16	< 10	< 10	112	< 5	75
SMB8 L4S 02+50E	201 238	387	< 1	0.06	23	430	12	< 5	12	413	0.28	< 10	< 10	149	< 5	82
SMB8 L4S 03+00E	201 238	353	< 1	0.03	35	850	4	< 5	8	196	0.21	< 10	< 10	149	< 5	115
SMB8 L4S 03+50E	201 238	461	< 1	0.08	25	510	4	5	10	543	0.23	< 10	< 10	151	< 5	95
SMB8 L4S 04+00E	201 238	403	< 1	0.02	23	470	< 2	5	14	365	0.05	< 10	< 10	163	< 5	85
SMB8 L4S 04+50E	201 238	440	< 1	0.02	35	460	< 2	< 5	8	124	0.09	< 10	< 10	163	< 5	114
SMB8 L4S 05+00E	201 238	531	< 1	0.05	25	510	< 2	< 5	11	147	0.16	< 10	< 10	204	< 5	101
SMB8 L4S 05+50E	201 238	645	< 1	0.02	34	1140	< 2	< 5	7	135	0.18	< 10	< 10	142	< 5	131
SMB8 L4S 06+00E	201 238	434	< 1	0.07	28	510	2	5	14	335	0.24	< 10	< 10	151	< 5	87
SMB8 L4S 06+50E	201 238	512	< 1	0.30	22	340	< 2	5	17	603	0.39	< 10	< 10	178	< 5	92
SMB8 L4S 07+00E	201 238	438	< 1	0.03	24	510	6	< 5	8	233	0.23	< 10	< 10	136	< 5	93
SMB8 L4S 07+50E	201 238	454	< 1	0.04	24	580	< 2	< 5	14	309	0.05	< 10	< 10	142	< 5	86
SMB8 L4S 08+00E	201 238	513	< 1	0.05	24	630	< 2	< 5	15	347	0.06	< 10	< 10	141	< 5	100
SMB8 L4S 08+50E	201 238	501	< 1	0.06	21	660	< 2	< 5	16	342	0.05	< 10	< 10	140	< 5	81
SMB8 L4S 09+00E	201 238	378	< 1	0.03	22	420	14	< 5	7	203	0.18	< 10	< 10	122	< 5	82
SMB8 L4S 09+50E	201 238	675	< 1	0.27	34	550	< 2	5	12	496	0.35	< 10	< 10	171	< 5	104

CERTIFICATION :

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SAMPLE DESCRIPTION	PREP CODE	Au ppb F/ATAA	Hg ppb	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
SMB8 L4S 10+00E	201 238	< 5	20	6.55	< 0.2	15	210	< 0.5	< 2	1.60	< 0.5	22	44	64	4.84	< 10	< 1	0.15	10	1.86
SMB8 L4S BL	201 238	< 5	30	3.79	< 0.2	< 5	200	< 0.5	< 2	0.52	< 0.5	14	39	10	3.44	< 10	1	0.10	10	0.62
SMB8 L4S 00+50M	201 238	< 5	30	3.32	< 0.2	< 5	220	< 0.5	< 2	1.07	< 0.5	13	50	20	3.34	< 10	< 1	0.09	10	0.95
SMB8 L4S 00+50M	201 238	< 5	50	5.53	< 0.2	25	210	< 0.5	4	0.90	< 0.5	18	40	34	3.99	< 10	< 1	0.17	10	1.19
SMB8 L4S 01+00M	201 238	< 5	20	3.43	< 0.2	5	110	< 0.5	< 2	0.42	< 0.5	12	28	12	3.07	< 10	< 1	0.07	10	0.58
SMB8 L4S 01+50M	201 238	< 5	20	3.71	< 0.2	< 5	180	< 0.5	< 2	1.08	< 0.5	14	33	31	3.57	< 10	< 1	0.10	10	0.97
SMB8 L4S 02+00M	201 238	< 5	20	4.81	< 0.2	10	170	< 0.5	< 2	0.44	< 0.5	18	39	18	4.25	< 10	2	0.10	10	0.80
SMB8 L4S 02+50M	201 238	< 5	20	5.67	< 0.2	20	210	< 0.5	< 2	1.42	< 0.5	16	39	39	3.92	< 10	< 1	0.21	10	1.23
SMB8 L4S 03+00M	201 238	< 5	30	2.75	< 0.2	5	190	< 0.5	< 2	0.74	< 0.5	13	37	22	3.38	< 10	2	0.12	10	0.94
SMB8 L4S 03+50M	201 238	< 5	20	2.51	< 0.2	< 5	150	< 0.5	< 2	0.92	< 0.5	16	44	28	3.28	< 10	< 1	0.11	20	1.13
SMB8 L4S 04+00M	201 238	< 5	30	2.21	< 0.2	< 5	150	< 0.5	< 2	1.13	< 0.5	18	49	27	3.20	< 10	< 1	0.11	10	1.02
SMB8 L4S 04+50M	201 238	< 5	10	2.66	< 0.2	< 5	210	< 0.5	< 2	0.54	< 0.5	13	36	15	3.12	< 10	2	0.12	10	0.65
SMB8 L4S 05+00M	201 238	< 5	40	2.45	0.4	< 5	160	< 0.5	< 2	0.47	< 0.5	14	57	21	3.28	< 10	< 1	0.13	10	0.68
SMB8 L4S 05+50M	201 238	< 5	20	2.69	0.2	< 5	160	< 0.5	< 2	0.55	< 0.5	10	47	17	2.89	< 10	< 1	0.13	10	0.62
SMB8 L4S 06+00M	201 238	< 5	10	2.00	0.2	< 5	180	< 0.5	< 2	0.49	< 0.5	11	45	12	2.63	< 10	1	0.27	10	0.43
SMB8 L4S 06+50M	201 238	< 5	20	2.09	0.2	15	170	< 0.5	< 2	0.43	< 0.5	11	52	14	2.89	< 10	< 1	0.11	10	0.51
SMB8 L4S 07+00M	201 238	< 5	20	2.38	0.2	< 5	170	< 0.5	< 2	0.43	< 0.5	14	54	15	3.04	< 10	2	0.09	10	0.61
SMB8 L4S 07+50M	201 238	< 5	40	1.66	< 0.2	5	130	< 0.5	< 2	0.96	< 0.5	9	32	19	2.04	< 10	1	0.03	10	0.55
SMB8 L4S 08+00M	201 238	< 5	20	2.42	< 0.2	< 5	180	< 0.5	< 2	0.37	0.5	12	42	9	2.93	< 10	< 1	0.09	10	0.47
SMB8 L4S 08+50M	201 238	< 5	160	2.52	0.2	< 5	170	< 0.5	< 2	0.58	< 0.5	15	52	18	3.22	< 10	1	0.12	10	0.71
SMB8 L4S 09+00M	201 238	25	60	1.89	< 0.2	55	130	< 0.5	< 2	0.69	< 0.5	8	62	24	2.80	< 10	< 1	0.07	10	0.73
SMB8 L4S 09+50M	201 238	5	20	1.73	< 0.2	< 5	140	< 0.5	< 2	0.52	< 0.5	8	33	13	2.55	< 10	< 1	0.10	10	0.52
SMB8 L4S 10+00M	201 238	< 5	30	2.91	< 0.2	< 5	170	< 0.5	< 2	0.64	< 0.5	13	47	25	3.63	< 10	< 1	0.26	10	0.89
SMB8 L6S 00+50E	201 238	< 5	20	5.17	< 0.2	5	180	< 0.5	< 2	0.92	< 0.5	16	32	42	4.10	< 10	< 1	0.08	10	1.13
SMB8 L6S 01+00E	201 238	< 5	20	4.08	< 0.2	< 5	160	< 0.5	< 2	0.65	< 0.5	16	28	28	3.76	< 10	< 1	0.07	10	0.88
SMB8 L6S 01+50E	201 238	< 5	20	4.15	< 0.2	5	170	< 0.5	< 2	0.57	< 0.5	15	39	25	3.79	< 10	< 1	0.06	10	0.96
SMB8 L6S 02+00E	201 238	< 5	30	4.12	< 0.2	5	220	< 0.5	< 2	0.78	< 0.5	15	34	27	4.73	< 10	< 1	0.07	10	1.18
SMB8 L6S 02+50E	201 238	< 5	20	4.95	< 0.2	< 5	170	< 0.5	< 2	0.55	< 0.5	18	34	24	4.48	< 10	< 1	0.10	10	0.91
SMB8 L6S 03+00E	201 238	< 5	20	4.25	< 0.2	25	120	< 0.5	< 2	0.56	< 0.5	16	27	22	4.31	< 10	< 1	0.12	10	0.87
SMB8 L6S 03+50E	201 238	< 5	20	4.28	< 0.2	< 5	140	< 0.5	< 2	0.47	< 0.5	16	29	21	4.50	< 10	< 1	0.06	10	0.86
SMB8 L6S 04+00E	201 238	< 5	10	4.93	< 0.2	20	210	< 0.5	< 2	0.59	< 0.5	18	34	33	5.14	< 10	< 1	0.06	10	0.96
SMB8 L6S 04+50E	201 238	< 5	20	5.47	< 0.2	< 5	230	< 0.5	< 2	0.43	< 0.5	19	32	37	5.52	< 10	< 1	0.08	10	0.79
SMB8 L6S 05+00E	201 238	< 5	10	7.54	< 0.2	5	280	< 0.5	< 2	0.79	< 0.5	16	36	58	5.56	< 10	< 1	0.11	10	1.44
SMB8 L6S 05+50E	201 238	< 5	20	5.86	< 0.2	10	220	< 0.5	< 2	0.43	< 0.5	21	37	30	4.91	< 10	< 1	0.06	10	1.08
SMB8 L6S 06+00E	201 238	< 5	20	7.17	< 0.2	10	190	< 0.5	< 2	0.38	< 0.5	20	43	46	5.48	< 10	< 1	0.04	10	1.21
SMB8 L6S 06+50E	201 238	< 5	20	6.34	< 0.2	< 5	240	< 0.5	< 2	0.61	< 0.5	17	36	49	5.05	< 10	< 1	0.07	10	1.31
SMB8 L6S 07+00E	201 238	< 5	10	5.16	< 0.2	10	360	< 0.5	< 2	0.85	< 0.5	18	41	41	5.26	< 10	< 1	0.11	10	1.20
SMB8 L6S 07+50E	201 238	< 5	20	5.33	< 0.2	< 5	290	< 0.5	< 2	1.06	< 0.5	18	35	44	5.13	< 10	< 1	0.10	10	1.29
SMB8 L6S 08+00E	201 238	< 5	10	4.56	< 0.2	10	250	< 0.5	< 2	0.74	< 0.5	16	27	32	4.28	< 10	< 1	0.12	10	1.15
SMB8 L6S 08+50E	201 238	< 5	10	4.86	< 0.2	< 5	160	< 0.5	< 2	0.43	< 0.5	18	34	24	4.85	< 10	< 1	0.06	10	0.83

CERTIFICATION:

B. Coughlin



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212 BROOKSBANK AVE., NORTH VANCOUVER,
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PHONE (604) 984-0221

To: ASHWORTH EXPLORATIONS LTD.

718 - 744 W. HASTINGS ST.
VANCOUVER, BC
V6C 1A5

Project : 232

Comments:

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Invoice # : I-8824342

P.O. # : NONE

CERTIFICATE OF ANALYSIS A8824342

SAMPLE DESCRIPTION	PREP CODE	Mn ppm	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
SMB8 L4S 10+00E	201 238	482	< 1	0.07	30	420	< 2	< 5	13	274	0.21	< 10	< 10	124	< 5	82
SMB8 L4S BL	201 238	581	< 1	0.02	33	610	< 2	< 5	5	108	0.15	< 10	< 10	82	< 5	115
SMB8 L4S 00+50W	201 238	413	< 1	0.04	38	440	< 2	< 5	8	368	0.17	< 10	< 10	77	< 5	69
SMB8 L4S 00+50W	201 238	348	< 1	0.03	36	550	< 2	< 5	8	302	0.19	< 10	< 10	103	< 5	81
SMB8 L4S 01+00W	201 238	336	< 1	0.02	24	820	< 2	< 5	5	71	0.17	< 10	< 10	75	< 5	103
SMB8 L4S 01+50W	201 238	454	< 1	0.03	25	420	< 2	< 5	10	282	0.13	< 10	< 10	94	< 5	72
SMB8 L4S 02+00W	201 238	484	< 1	0.02	35	810	< 2	< 5	7	109	0.18	< 10	< 10	104	< 5	131
SMB8 L4S 02+50W	201 238	395	< 1	0.02	28	430	< 2	< 5	9	429	0.18	< 10	< 10	104	< 5	82
SMB8 L4S 03+00W	201 238	396	< 1	0.03	28	510	< 2	< 5	8	138	0.12	< 10	< 10	75	< 5	64
SMB8 L4S 03+50W	201 238	390	< 1	0.05	35	580	< 2	< 5	9	171	0.15	< 10	< 10	92	< 5	75
SMB8 L4S 04+00W	201 238	1615	< 1	0.05	34	750	< 2	< 5	8	160	0.14	< 10	< 10	78	< 5	87
SMB8 L4S 04+50W	201 238	1000	< 1	0.02	29	680	< 2	< 5	6	140	0.13	< 10	< 10	81	< 5	99
SMB8 L4S 05+00W	201 238	483	< 1	0.02	51	380	< 2	< 5	9	90	0.20	< 10	< 10	78	< 5	69
SMB8 L4S 05+50W	201 238	281	< 1	0.02	25	360	< 2	< 5	7	144	0.19	< 10	< 10	74	< 5	62
SMB8 L4S 06+00W	201 238	494	< 1	0.02	27	360	6	< 5	6	87	0.21	< 10	< 10	68	< 5	54
SMB8 L4S 06+50W	201 238	395	< 1	0.02	36	260	< 2	< 5	6	98	0.21	< 10	< 10	80	< 5	61
SMB8 L4S 07+00W	201 238	344	< 1	0.02	44	390	< 2	< 5	7	92	0.20	< 10	< 10	79	< 5	71
SMB8 L4S 07+50W	201 238	368	< 1	0.03	33	650	< 2	< 5	5	101	0.11	< 10	< 10	65	< 5	53
SMB8 L4S 08+00W	201 238	280	< 1	0.01	36	1090	< 2	< 5	4	53	0.17	< 10	< 10	69	< 5	100
SMB8 L4S 08+50W	201 238	506	< 1	0.02	50	600	4	< 5	8	88	0.20	< 10	< 10	76	5	84
SMB8 L4S 09+00W	201 238	407	2	0.03	43	290	4	< 5	6	123	0.11	< 10	< 10	63	< 5	50
SMB8 L4S 09+50W	201 238	240	< 1	0.02	23	380	2	< 5	5	80	0.14	< 10	< 10	60	< 5	64
SMB8 L4S 10+00W	201 238	253	< 1	0.02	34	650	2	< 5	7	153	0.12	< 10	< 10	89	< 5	74
SMB8 L6S 00+50E	201 238	608	< 1	0.03	24	690	8	< 5	8	228	0.28	< 10	< 10	120	< 5	95
SMB8 L6S 01+00E	201 238	605	< 1	0.03	19	420	4	< 5	5	282	0.22	< 10	< 10	121	< 5	85
SMB8 L6S 01+50E	201 238	603	1	0.03	28	660	8	< 5	6	190	0.25	< 10	< 10	111	< 5	82
SMB8 L6S 02+00E	201 238	979	1	0.04	23	840	< 2	< 5	9	290	0.37	< 10	< 10	152	< 5	113
SMB8 L6S 02+50E	201 238	666	< 1	0.02	27	1320	< 2	< 5	8	115	0.23	< 10	< 10	131	< 5	138
SMB8 L6S 03+00E	201 238	507	1	0.01	23	1080	< 2	< 5	6	122	0.19	< 10	< 10	120	< 5	126
SMB8 L6S 03+50E	201 238	913	1	0.02	22	560	< 2	< 5	6	99	0.21	< 10	< 10	133	< 5	107
SMB8 L6S 04+00E	201 238	761	< 1	0.02	22	520	< 2	< 5	8	202	0.18	< 10	< 10	158	< 5	107
SMB8 L6S 04+50E	201 238	772	< 1	0.01	25	670	< 2	< 5	9	97	0.11	< 10	< 10	163	< 5	138
SMB8 L6S 05+00E	201 238	691	< 1	0.02	28	1050	< 2	< 5	11	347	0.30	< 10	< 10	157	< 5	112
SMB8 L6S 05+50E	201 238	736	< 1	0.02	32	1260	< 2	< 5	7	118	0.28	< 10	< 10	137	< 5	130
SMB8 L6S 06+00E	201 238	530	< 1	0.02	32	1030	< 2	< 5	11	128	0.28	< 10	< 10	151	< 5	132
SMB8 L6S 06+50E	201 238	956	< 1	0.02	27	830	< 2	< 5	9	211	0.28	< 10	< 10	158	< 5	131
SMB8 L6S 07+00E	201 238	721	< 1	0.04	19	510	< 2	< 5	13	377	0.17	< 10	< 10	179	< 5	102
SMB8 L6S 07+50E	201 238	596	< 1	0.06	20	530	< 2	< 5	15	399	0.21	< 10	< 10	154	< 5	85
SMB8 L6S 08+00E	201 238	437	< 1	0.03	19	640	< 2	< 5	10	265	0.18	< 10	< 10	127	< 5	82
SMB8 L6S 08+50E	201 238	436	< 1	0.01	23	990	< 2	< 5	7	106	0.13	< 10	< 10	142	< 5	116

CERTIFICATION :

B. Coughlin



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PHONE (604) 984-0221

To: ASHWORTH EXPLORATIONS LTD.

718 - 744 W. HASTINGS ST.
VANCOUVER, BC
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Project: 232

Comments:

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Date: 6-OCT-88

Invoice #: I-8824342

P.O. # NONE

CERTIFICATE OF ANALYSIS A8824342

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Hg ppb	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
SMB8 L6S 09+00E	201 238	< 5	20	3.80	< 0.2	< 5	210	< 0.5	< 2	0.80	< 0.5	18	41	44	5.44	< 10	< 1	0.22	10	0.83
SMB8 L6S 09+50E	201 238	< 5	30	4.38	< 0.2	< 5	190	< 0.5	< 2	0.68	< 0.5	17	37	26	5.13	< 10	< 1	0.22	10	0.81
SMB8 L6S 10+00E	203 238	< 5	30	2.72	< 0.2	< 5	100	< 0.5	< 2	0.89	< 0.5	14	53	21	4.28	< 10	< 1	0.07	10	1.06
SMB8 L6S BL	201 238	< 5	50	5.78	< 0.2	< 5	170	< 0.5	< 2	1.11	< 0.5	16	27	33	4.20	< 10	< 1	0.08	10	1.14
SMB8 L6S 00+50W	201 238	< 5	20	6.12	< 0.2	< 5	230	< 0.5	< 2	0.80	< 0.5	18	36	41	4.83	< 10	< 1	0.10	10	1.32
SMB8 L6S 01+00W	201 238	< 5	20	5.11	< 0.2	< 5	170	< 0.5	< 2	0.88	< 0.5	16	37	50	4.67	< 10	< 1	0.20	10	1.20
SMB8 L6S 01+50W	201 238	< 5	20	5.23	< 0.2	< 5	100	< 0.5	< 2	1.24	< 0.5	17	32	88	4.67	< 10	< 1	0.07	20	1.30
SMB8 L6S 02+00W	201 238	< 5	30	5.35	< 0.2	< 5	130	< 0.5	< 2	1.48	< 0.5	19	28	96	4.67	< 10	< 2	0.03	10	1.57
SMB8 L6S 02+50W	201 238	< 5	30	4.92	< 0.2	< 5	120	< 0.5	< 2	0.97	< 0.5	16	28	37	3.88	< 10	< 1	0.08	10	1.10
SMB8 L6S 03+00W	203 238	< 5	40	6.78	< 0.2	< 5	120	< 0.5	< 2	2.34	< 0.5	17	42	69	4.07	< 10	< 1	0.12	10	1.46
SMB8 L6S 03+50W	201 238	< 5	30	4.51	< 0.2	< 5	120	< 0.5	< 2	0.61	< 0.5	16	29	29	3.89	< 10	< 1	0.08	10	0.95
SMB8 L6S 04+00W	201 238	< 5	30	5.72	< 0.2	< 5	160	< 0.5	< 2	0.58	< 0.5	17	32	35	4.51	< 10	< 1	0.11	10	1.20
SMB8 L6S 04+50W	201 238	< 5	30	4.01	< 0.2	< 5	180	< 0.5	< 2	0.40	< 0.5	13	29	18	3.71	< 10	< 1	0.11	10	0.75
SMB8 L6S 05+00W	201 238	< 5	20	4.01	< 0.2	< 5	230	< 0.5	< 2	0.60	< 0.5	16	50	23	3.98	< 10	< 1	0.14	10	0.94
SMB8 L6S 06+00W	201 238	60	40	2.61	< 0.2	< 5	210	< 0.5	< 2	0.45	< 0.5	11	50	21	3.32	< 10	< 1	0.13	10	0.79
SMB8 L6S 06+50W	201 238	< 5	20	2.23	< 0.2	< 5	160	< 0.5	< 2	0.85	< 0.5	13	41	28	3.27	< 10	< 1	0.12	20	1.10
SMB8 L6S 07+00W	201 238	< 5	20	2.54	< 0.2	< 5	210	< 0.5	< 2	0.38	< 0.5	6	46	12	2.97	< 10	< 1	0.12	10	0.55
SMB8 L6S 07+50W	201 238	< 5	10	2.19	< 0.2	< 5	190	< 0.5	< 2	0.57	< 0.5	9	31	18	3.37	< 10	< 1	0.14	20	0.64
SMB8 L6S 08+00W	201 238	< 5	20	2.40	< 0.2	< 5	190	< 0.5	< 2	0.68	< 0.5	6	39	20	2.70	< 10	< 1	0.15	20	0.54
SMB8 L6S 08+50W	201 238	25	30	2.58	< 0.2	< 5	190	< 0.5	< 2	0.35	< 0.5	11	54	14	3.17	< 10	< 1	0.11	10	0.63
SMB8 L6S 09+00W	201 238	< 5	20	2.51	< 0.2	< 5	190	< 0.5	< 2	0.40	< 0.5	11	47	14	2.94	< 10	< 1	0.09	10	0.54
SMB8 L6S 09+50W	201 238	< 5	30	2.58	< 0.2	< 5	190	< 0.5	< 2	0.40	< 0.5	11	45	14	2.94	< 10	< 1	0.10	10	0.53
SMB8 L6S 10+00W	201 238	< 5	20	2.24	< 0.2	< 5	180	< 0.5	< 2	0.61	< 0.5	6	39	17	2.57	< 10	< 1	0.15	20	0.50

CERTIFICATION :

B. Coughlin



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To: ASHWORTH EXPLORATIONS LTD.

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Project : 232
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CERTIFICATE OF ANALYSIS A8824342

SAMPLE DESCRIPTION	PREP CODE	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Ti ppm	U ppm	V ppm	W ppm	Zn ppm
SMB8 L6S 09+00E	201 238	699	< 1	0.02	17	650	< 2	< 5	13	227	0.14	< 10	< 10	177	< 5	110
SMB8 L6S 09+50E	201 238	682	< 1	0.02	20	950	< 2	< 5	10	164	0.15	< 10	< 10	156	< 5	123
SMB8 L6S 10+00E	203 238	516	< 1	0.03	10	720	< 2	5	7	218	0.19	< 10	< 10	118	< 5	93
SMB8 L6S BL	201 238	453	< 1	0.03	22	490	< 2	< 5	7	138	0.20	< 10	< 10	125	< 5	97
SMB8 L6S 00+50W	201 238	392	< 1	0.03	30	970	< 2	< 5	8	314	0.20	< 10	< 10	133	< 5	111
SMB8 L6S 01+00W	201 238	471	< 1	0.04	18	500	< 2	< 5	15	275	0.16	< 10	< 10	135	< 5	102
SMB8 L6S 01+50W	201 238	372	< 1	0.08	16	370	< 2	< 5	16	256	0.06	< 10	< 10	134	< 5	79
SMB8 L6S 02+00W	201 238	502	< 1	0.23	19	550	< 2	< 5	16	434	0.20	< 10	< 10	141	< 5	78
SMB8 L6S 02+50W	201 238	708	< 1	0.05	16	560	< 2	< 5	9	191	0.24	< 10	< 10	113	< 5	87
SMB8 L6S 03+00W	203 238	496	< 1	0.12	22	400	< 2	< 5	14	494	0.24	< 10	< 10	127	< 5	82
SMB8 L6S 03+50W	201 238	562	1	0.03	22	610	< 2	< 5	7	191	0.22	< 10	< 10	113	< 5	110
SMB8 L6S 04+00W	201 238	449	< 1	0.03	27	840	< 2	< 5	7	228	0.25	< 10	< 10	125	< 5	119
SMB8 L6S 04+50W	201 238	499	< 1	0.01	22	660	< 2	< 5	5	153	0.14	< 10	< 10	99	< 5	95
SMB8 L6S 05+00W	201 238	854	< 1	0.01	40	910	< 2	< 5	7	155	0.16	< 10	< 10	90	< 5	112
SMB8 L6S 06+00W	201 238	387	< 1	0.01	28	390	6	< 5	8	102	0.20	< 10	< 10	77	< 5	90
SMB8 L6S 06+50W	201 238	557	< 1	0.05	27	560	2	< 5	7	168	0.13	< 10	< 10	80	< 5	75
SMB8 L6S 07+00W	201 238	313	< 1	0.01	25	320	< 2	< 5	5	85	0.22	< 10	< 10	70	< 5	102
SMB8 L6S 07+50W	201 238	408	< 1	0.03	12	180	2	< 5	8	229	0.27	< 10	< 10	90	< 5	65
SMB8 L6S 08+00W	201 238	296	< 1	0.04	16	180	4	< 5	7	159	0.24	< 10	< 10	73	< 5	60
SMB8 L6S 08+50W	201 238	331	< 1	0.01	40	590	< 2	< 5	6	66	0.21	< 10	< 10	75	< 5	97
SMB8 L6S 09+00W	201 238	320	< 1	0.02	33	410	2	< 5	5	86	0.21	< 10	< 10	70	< 5	80
SMB8 L6S 09+50W	201 238	355	< 1	0.02	34	400	< 2	< 5	5	86	0.21	< 10	< 10	71	< 5	85
SMB8 L6S 10+00W	201 238	319	< 1	0.03	18	160	2	< 5	6	140	0.23	< 10	< 10	69	< 5	57

CERTIFICATION :



Chemex Labs Ltd.

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To: ASHWORTH EXPLORATIONS LTD.

718 - 744 W. HASTINGS ST.
 VANCOUVER, BC
 V6C 1A5

A8824344

Comments:

CERTIFICATE A8824344

ASHWORTH EXPLORATIONS LTD.

PROJECT : 232

P.O.# : NONE

Samples submitted to our lab in Vancouver, BC.

This report was printed on 5-OCT-88.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201	132	Dry, sieve -80 mesh; soil, sed.
203	24	Dry, sieve -35 mesh and ring
217	13	Geochem: Ring only, no crush/split
238	169	ICP: Aqua regia digestion

* NOTE 1:

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

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
100	169	Au ppb: Fuse 10 g sample	FA-AAS	5	10000
20	169	Hg ppb: HNO ₃ -HCl digestion	AAS-FLAMELESS	10	100000
921	169	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
922	169	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	200
923	169	As ppm: 32 element, soil & rock	ICP-AES	5	10000
924	169	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
925	169	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
926	169	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
927	169	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
928	169	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
929	169	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
930	169	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
931	169	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
932	169	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
933	169	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
934	169	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
935	169	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
936	169	La ppm: 32 element, soil & rock	ICP-AES	10	10000
937	169	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
938	169	Mn ppm: 32 element, soil & rock	ICP-AES	1	10000
939	169	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
940	169	Na %: 32 element, soil & rock	ICP-AES	0.01	5.00
941	169	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
942	169	P ppm: 32 element, soil & rock	ICP-AES	10	10000
943	169	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
944	169	Sb ppm: 32 element, soil & rock	ICP-AES	5	10000
945	169	Se ppm: 32 elements, soil & rock	ICP-AES	1	100000
946	169	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
947	169	Ti %: 32 element, soil & rock	ICP-AES	0.01	5.00
948	169	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
949	169	U ppm: 32 element, soil & rock	ICP-AES	10	10000
950	169	V ppm: 32 element, soil & rock	ICP-AES	1	10000
951	169	W ppm: 32 element, soil & rock	ICP-AES	5	10000
952	169	Zn ppm: 32 element, soil & rock	ICP-AES	5	10000



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CERTIFICATE OF ANALYSIS A8824344

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Hg ppb	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
SMB8 L8S 00+50E	201 238	< 5	20	5.00	< 0.2	10	140	< 0.5	< 2	1.30	< 0.5	18	30	44	4.50	< 10	< 1	0.05	10	1.51
SMB8 L8S 01+00E	201 238	< 5	20	7.08	< 0.2	15	200	< 0.5	< 2	0.70	< 0.5	21	37	45	5.24	< 10	< 1	0.08	10	1.50
SMB8 L8S 01+50E	201 238	< 5	20	6.24	< 0.2	< 5	170	< 0.5	< 2	0.83	< 0.5	21	26	46	5.14	< 10	< 1	0.07	10	1.69
SMB8 L8S 02+00E	203 238	< 5	20	6.21	< 0.2	5	290	< 0.5	< 2	1.07	< 0.5	23	71	59	5.92	< 10	1	0.15	10	1.62
SMB8 L8S 02+50E	201 238	< 5	30	2.71	< 0.2	< 5	80	< 0.5	< 2	0.46	< 0.5	13	23	25	3.46	< 10	< 1	0.09	10	0.80
SMB8 L8S 03+00E	203 238	< 5	30	3.66	< 0.2	15	90	< 0.5	< 2	1.14	< 0.5	13	106	27	3.86	< 10	< 1	0.11	10	1.18
SMB8 L8S 03+50E	201 238	< 5	20	2.97	< 0.2	< 5	80	< 0.5	< 2	0.66	< 0.5	11	18	21	3.31	< 10	< 1	0.08	10	0.81
SMB8 L8S 04+00E	201 238	< 5	20	3.40	< 0.2	15	60	< 0.5	< 2	1.01	< 0.5	7	15	24	2.91	< 10	< 1	0.06	10	0.77
SMB8 L8S 04+50E	201 238	< 5	30	4.01	< 0.2	10	130	< 0.5	< 2	0.27	< 0.5	13	27	18	4.07	< 10	< 1	0.07	10	0.71
SMB8 L8S 05+00E	201 238	< 5	20	4.58	< 0.2	< 5	110	< 0.5	< 2	0.84	0.5	11	19	23	3.27	< 10	< 1	0.09	10	0.82
SMB8 L8S 05+50E	201 238	< 5	20	3.90	< 0.2	< 5	90	< 0.5	< 2	0.55	< 0.5	11	21	18	3.36	< 10	< 1	0.06	10	0.63
SMB8 L8S 06+00E	201 238	< 5	20	4.12	< 0.2	5	120	< 0.5	< 2	0.51	< 0.5	13	28	22	3.93	< 10	< 1	0.07	10	0.84
SMB8 L8S 06+50E	201 238	< 5	20	4.00	< 0.2	< 5	150	< 0.5	< 2	0.57	< 0.5	13	24	21	4.33	< 10	< 1	0.12	10	0.96
SMB8 L8S 07+00E	203 238	< 5	20	4.75	< 0.2	25	130	0.5	< 2	1.32	< 0.5	19	109	28	4.92	< 10	< 1	0.17	20	1.46
SMB8 L8S 07+50E	203 238	< 5	20	4.10	< 0.2	5	120	0.5	< 2	1.13	< 0.5	18	93	22	4.57	< 10	< 1	0.16	20	1.21
SMB8 L8S 08+00E	201 238	< 5	20	4.96	< 0.2	10	60	< 0.5	< 2	1.85	< 0.5	18	18	34	4.43	< 10	< 1	0.11	20	1.33
SMB8 L8S 08+50E	201 238	< 5	20	4.53	< 0.2	20	100	< 0.5	< 2	1.17	< 0.5	16	22	30	4.41	< 10	< 1	0.10	20	1.16
SMB8 L8S 09+00E	201 238	< 5	30	4.18	< 0.2	20	100	0.5	< 2	0.97	< 0.5	21	31	63	5.29	< 10	< 1	0.12	10	0.61
SMB8 L8S 09+50E	203 238	< 5	40	4.38	< 0.2	35	120	< 0.5	< 2	1.21	< 0.5	15	109	29	4.26	< 10	< 1	0.14	20	1.10
SMB8 L8S 10+00E	201 238	< 5	30	3.94	< 0.2	25	130	< 0.5	< 2	0.71	< 0.5	17	26	35	4.37	< 10	< 1	0.10	10	0.65
SMB8 L8S BL	201 238	< 5	30	6.08	< 0.2	< 5	170	< 0.5	< 2	0.71	< 0.5	21	35	39	4.69	< 10	< 1	0.09	10	1.28
SMB8 L8S 00+50W	201 238	< 5	20	6.04	< 0.2	15	290	< 0.5	< 2	0.90	< 0.5	19	46	44	4.62	< 10	< 1	0.09	10	1.07
SMB8 L8S 01+00W	201 238	< 5	20	7.40	< 0.2	< 5	180	< 0.5	2	1.09	< 0.5	21	42	51	5.28	< 10	< 1	0.09	10	1.59
SMB8 L8S 01+50W	201 238	< 5	20	5.93	< 0.2	10	190	< 0.5	< 2	1.09	< 0.5	23	40	48	4.99	< 10	< 1	0.10	10	1.31
SMB8 L8S 02+50W	201 238	< 5	20	4.46	< 0.2	20	250	0.5	< 2	1.03	< 0.5	18	39	37	4.71	< 10	< 1	0.20	20	1.05
SMB8 L8S 03+00W	203 238	< 5	30	4.35	0.2	15	100	0.5	2	2.10	< 0.5	11	55	29	3.04	10	< 1	0.20	30	0.75
SMB8 L8S 03+50W	201 238	< 5	30	6.42	< 0.2	20	140	< 0.5	2	1.54	< 0.5	23	24	49	4.59	< 10	< 1	0.12	10	1.26
SMB8 L8S 04+00W	201 238	< 5	20	5.17	< 0.2	25	170	< 0.5	2	0.73	< 0.5	19	26	35	4.13	< 10	< 1	0.06	10	1.01
SMB8 L8S 04+50W	201 238	< 5	30	5.26	< 0.2	20	150	< 0.5	< 2	0.76	< 0.5	17	24	37	3.84	< 10	< 1	0.06	10	1.07
SMB8 L8S 05+00W	201 238	< 5	30	5.14	< 0.2	45	150	0.5	4	0.74	< 0.5	18	29	36	3.79	< 10	< 1	0.07	10	1.16
SMB8 L8S 05+50W	201 238	< 5	20	6.03	< 0.2	< 5	190	< 0.5	< 2	0.80	< 0.5	19	32	35	4.13	< 10	< 1	0.10	10	1.22
SMB8 L8S 06+00W	201 238	< 5	30	3.76	< 0.2	10	210	< 0.5	< 2	0.53	< 0.5	20	54	17	3.82	< 10	< 1	0.08	10	0.79
SMB8 L8S 06+50W	201 238	< 5	20	5.77	< 0.2	< 5	210	< 0.5	< 2	0.63	< 0.5	24	46	28	4.61	< 10	< 1	0.13	10	1.08
SMB8 L8S 07+00W	201 238	< 5	50	3.71	< 0.2	< 5	190	< 0.5	< 2	0.61	< 0.5	22	69	32	4.12	< 10	< 1	0.14	20	0.87
SMB8 L8S 07+50W	201 238	< 5	40	2.76	< 0.2	< 5	140	< 0.5	< 2	1.14	< 0.5	12	44	26	3.22	< 10	< 1	0.12	20	1.20
SMB8 L8S 08+00W	201 238	< 5	30	2.67	0.2	20	190	< 0.5	< 2	0.72	< 0.5	12	42	26	3.07	< 10	< 1	0.15	30	0.74
SMB8 L8S 08+50W	203 238	< 5	30	3.33	0.2	5	260	< 0.5	< 2	0.82	< 0.5	17	113	26	3.42	< 10	< 1	0.27	40	0.74
SMB8 L8S 09+00W	201 238	< 5	60	2.74	0.2	5	220	< 0.5	< 2	0.63	< 0.5	10	56	20	3.70	< 10	< 1	0.28	20	0.73
SMB8 L8S 09+50W	201 238	< 5	30	2.69	< 0.2	10	170	< 0.5	< 2	0.70	< 0.5	10	52	23	3.40	< 10	< 1	0.25	20	0.75
SMB8 L8S 10+00W	201 238	< 5	50	2.69	< 0.2	< 5	160	< 0.5	< 2	1.16	< 0.5	12	47	29	3.13	< 10	< 1	0.10	20	0.98

CERTIFICATION : *P. Coughlin*



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TO: ASHWORTH EXPLORATIONS LTD.

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Project: 332

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CERTIFICATE OF ANALYSIS A8824344

SAMPLE DESCRIPTION	PREP CODE	Mn ppm	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
SME8 L8S 00+50E	201 238	570	< 1	0.10	19	320	< 2	< 5	12	319	0.23	< 10	< 10	165	< 5	78
SME8 L8S 01+00E	201 238	568	< 1	0.04	26	710	< 2	< 5	11	231	0.28	< 10	< 10	161	< 5	112
SME8 L8S 01+50E	201 238	563	< 1	0.05	22	600	< 2	< 5	10	243	0.30	< 10	< 10	140	< 5	108
SME8 L8S 02+00E	203 238	827	< 1	0.14	24	350	< 2	< 5	21	381	0.27	< 10	< 10	192	< 5	102
SME8 L8S 02+50E	201 238	746	< 1	0.02	16	510	< 2	< 5	6	63	0.23	< 10	< 10	103	< 5	93
SME8 L8S 03+00E	203 238	720	< 1	0.15	13	580	< 2	< 5	8	197	0.31	< 10	< 10	109	< 5	95
SME8 L8S 03+50E	201 238	469	< 1	0.03	11	370	2	< 5	6	186	0.21	< 10	< 10	87	< 5	75
SME8 L8S 04+00E	201 238	536	< 1	0.04	7	410	2	< 5	6	124	0.17	< 10	< 10	76	< 5	72
SME8 L8S 04+50E	201 238	512	< 1	0.02	21	560	< 2	< 5	5	59	0.26	< 10	< 10	106	< 5	119
SME8 L8S 05+00E	201 238	346	< 1	0.02	14	590	< 2	< 5	5	83	0.19	< 10	< 10	78	< 5	88
SME8 L8S 05+50E	201 238	441	< 1	0.02	18	920	2	< 5	4	54	0.21	< 10	< 10	86	< 5	101
SME8 L8S 06+00E	201 238	365	< 1	0.03	18	450	2	< 5	7	129	0.28	< 10	< 10	108	< 5	87
SME8 L8S 06+50E	201 238	504	< 1	0.03	18	560	< 2	< 5	9	168	0.31	< 10	< 10	127	< 5	99
SME8 L8S 07+00E	203 238	684	< 1	0.13	15	510	< 2	< 5	15	237	0.36	< 10	< 10	156	< 5	108
SME8 L8S 07+50E	203 238	712	< 1	0.14	12	470	< 2	< 5	14	201	0.36	< 10	< 10	145	< 5	102
SME8 L8S 08+00E	201 238	623	< 1	0.06	13	540	< 2	< 5	13	168	0.28	< 10	< 10	120	< 5	88
SME8 L8S 08+50E	201 238	678	< 1	0.03	14	540	6	< 5	12	149	0.29	< 10	< 10	120	< 5	94
SME8 L8S 09+00E	201 238	598	< 1	0.02	21	600	4	< 5	16	157	0.06	< 10	< 10	147	< 5	106
SME8 L8S 09+50E	203 238	724	< 1	0.08	14	670	4	< 5	13	321	0.14	< 10	< 10	114	< 5	88
SME8 L8S 10+00E	201 238	426	< 1	0.02	18	470	< 2	< 5	7	207	0.09	< 10	< 10	129	< 5	87
SME8 L8S BL	201 238	482	< 1	0.03	31	740	< 2	< 5	8	197	0.24	< 10	< 10	148	< 5	123
SME8 L8S 00+50W	201 238	412	< 1	0.04	28	600	< 2	< 5	10	406	0.15	< 10	< 10	147	< 5	92
SME8 L8S 01+00W	201 238	526	< 1	0.05	29	570	< 2	< 5	10	340	0.34	< 10	< 10	166	< 5	107
SME8 L8S 01+50W	201 238	567	< 1	0.05	30	720	< 2	< 5	11	358	0.26	< 10	< 10	153	< 5	113
SME8 L8S 02+50W	201 238	698	< 1	0.05	20	370	< 2	< 5	13	336	0.34	< 10	< 10	158	< 5	101
SME8 L8S 03+00W	203 238	388	< 1	0.17	8	360	2	< 5	8	112	0.34	< 10	< 10	67	< 5	75
SME8 L8S 03+50W	201 238	597	< 1	0.03	21	650	< 2	< 5	13	192	0.24	< 10	< 10	150	< 5	115
SME8 L8S 04+00W	201 238	642	< 1	0.03	22	660	< 2	< 5	7	219	0.24	< 10	< 10	133	< 5	109
SME8 L8S 04+50W	201 238	399	< 1	0.04	21	1010	4	< 5	7	244	0.21	< 10	< 10	119	< 5	102
SME8 L8S 05+00W	201 238	405	< 1	0.04	24	710	< 2	< 5	7	280	0.23	< 10	< 10	116	< 5	122
SME8 L8S 05+50W	201 238	479	< 1	0.04	24	750	< 2	< 5	9	289	0.20	< 10	< 10	122	< 5	116
SME8 L8S 06+00W	201 238	447	< 1	0.02	62	970	6	< 5	8	83	0.20	< 10	< 10	95	5	115
SME8 L8S 06+50W	201 238	463	< 1	0.02	45	1270	2	< 5	9	154	0.19	< 10	< 10	122	5	126
SME8 L8S 07+00W	201 238	557	< 1	0.02	67	540	< 2	< 5	12	114	0.21	< 10	< 10	107	< 5	81
SME8 L8S 07+50W	201 238	533	< 1	0.05	33	680	4	< 5	9	185	0.15	< 10	< 10	81	< 5	72
SME8 L8S 08+00W	201 238	912	< 1	0.03	34	1060	2	< 5	8	79	0.14	< 10	< 10	71	< 5	97
SME8 L8S 08+50W	203 238	1130	< 1	0.12	32	340	8	< 5	10	166	0.25	< 10	< 10	81	< 5	91
SME8 L8S 09+00W	201 238	398	< 1	0.02	32	300	< 2	< 5	10	151	0.24	< 10	< 10	101	< 5	86
SME8 L8S 09+50W	201 238	402	< 1	0.02	29	300	2	< 5	9	129	0.22	< 10	< 10	92	< 5	75
SME8 L8S 10+00W	201 238	437	< 1	0.06	36	600	< 2	< 5	8	176	0.14	< 10	< 10	80	< 5	75

CERTIFICATION :

B. Coughlin



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P.O. #: NONE

CERTIFICATE OF ANALYSIS A8824344

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Hg ppb	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
SMB8 L10S 00+50Z01	238	< 5	30	4.23	< 0.2	10	120	< 0.5	< 2	0.50	< 0.5	9	30	19	4.01	< 10	< 1	0.10	10	0.82
SMB8 L10S 01+00Z01	238	< 5	30	3.59	< 0.2	10	110	< 0.5	< 2	0.42	< 0.5	10	28	20	3.60	< 10	< 1	0.06	10	0.77
SMB8 L10S 01+50Z01	238	< 5	30	3.63	< 0.2	20	120	< 0.5	< 2	0.34	< 0.5	15	28	18	4.07	< 10	< 1	0.07	10	0.77
SMB8 L10S 02+00Z01	238	< 5	30	2.61	< 0.2	< 5	80	< 0.5	< 2	0.20	< 0.5	8	20	13	2.53	< 10	< 1	0.04	< 10	0.58
SMB8 L10S 02+50Z01	238	< 5	20	3.31	< 0.2	< 5	100	< 0.5	< 2	0.23	< 0.5	9	21	15	2.65	< 10	< 1	0.04	< 10	0.63
SMB8 L10S 03+00Z01	238	< 5	20	2.74	< 0.2	10	70	< 0.5	< 2	0.33	< 0.5	10	18	14	2.45	< 10	< 1	0.05	< 10	0.59
SMB8 L10S 03+50Z01	238	< 5	40	3.80	< 0.2	5	90	< 0.5	< 2	0.27	< 0.5	11	24	19	2.99	< 10	< 1	0.06	< 10	0.80
SMB8 L10S 04+00Z01	238	< 5	30	4.52	< 0.2	15	100	< 0.5	< 2	0.33	< 0.5	10	23	20	3.58	< 10	< 1	0.08	< 10	0.85
SMB8 L10S 04+50Z01	238	< 5	20	1.61	< 0.2	10	50	< 0.5	< 2	0.16	< 0.5	6	13	4	1.75	< 10	< 1	0.05	< 10	0.30
SMB8 L10S 05+00Z03	238	< 5	20	4.27	0.6	25	160	0.5	< 2	1.15	< 0.5	14	146	23	3.97	10	< 1	0.20	20	0.98
SMB8 L10S 05+50Z01	238	< 5	20	3.81	0.4	5	120	1.0	< 2	0.95	< 0.5	17	30	23	4.18	10	< 1	0.09	10	0.99
SMB8 L10S 06+00Z01	238	< 5	20	3.55	0.2	5	150	0.5	< 2	0.95	< 0.5	16	27	17	4.24	10	< 1	0.14	10	0.97
SMB8 L10S 06+50Z03	238	< 5	20	4.05	0.4	< 5	120	0.5	< 2	1.39	< 0.5	17	120	22	4.33	10	< 1	0.17	20	1.24
SMB8 L10S 07+00Z01	238	< 5	30	4.31	0.4	20	170	1.0	< 2	1.78	< 0.5	16	22	29	4.45	10	< 1	0.10	20	1.40
SMB8 L10S 07+50Z01	238	< 5	20	4.53	0.4	25	90	1.0	< 2	1.91	< 0.5	16	23	24	3.93	10	< 1	0.10	20	1.31
SMB8 L10S 08+00Z03	238	< 5	20	3.91	0.4	25	110	1.0	< 2	1.38	< 0.5	16	108	20	4.33	10	3	0.18	20	1.19
SMB8 L10S 08+50Z01	238	< 5	40	3.28	0.2	10	70	0.5	< 2	2.09	< 0.5	14	25	18	3.61	< 10	< 1	0.11	10	1.22
SMB8 L10S 09+00Z01	238	< 5	40	4.31	0.2	15	140	0.5	< 2	0.83	< 0.5	15	26	14	3.97	10	< 1	0.07	10	1.01
SMB8 L10S 09+50Z01	238	< 5	20	4.12	< 0.2	10	170	1.0	< 2	0.65	< 0.5	17	25	11	4.25	10	< 1	0.12	10	1.07
SMB8 L10S 10+00Z01	238	10	30	4.36	< 0.2	10	140	0.5	< 2	0.56	< 0.5	18	30	16	4.39	10	< 1	0.10	10	0.87
SMB8 L10S BL	201	< 5	30	6.57	< 0.2	30	170	1.0	< 2	0.69	< 0.5	22	34	41	5.01	10	< 1	0.08	10	1.08
SMB8 L10S 00+50Z01	238	< 5	20	6.31	< 0.2	5	160	0.5	< 2	1.30	< 0.5	26	39	54	5.47	10	< 1	0.07	10	1.90
SMB8 L10S 01+00Z01	238	< 5	30	5.43	< 0.2	< 5	150	1.0	< 2	1.19	< 0.5	21	28	48	4.11	10	< 1	0.09	10	1.27
SMB8 L10S 01+50Z03	238	10	20	6.22	< 0.2	25	170	1.5	< 2	1.71	< 0.5	20	98	70	5.56	10	< 1	0.22	20	1.70
SMB8 L10S 02+00Z01	238	< 5	20	5.32	< 0.2	20	190	0.5	< 2	1.14	< 0.5	21	41	43	4.97	10	< 1	0.17	10	1.37
SMB8 L10S 02+50Z03	238	10	20	6.32	< 0.2	40	170	0.5	< 2	1.70	< 0.5	28	79	61	5.48	10	< 1	0.14	20	1.76
SMB8 L10S 03+00Z01	238	< 5	20	5.40	< 0.2	40	230	1.0	< 2	1.13	< 0.5	20	51	48	4.95	10	< 1	0.07	20	1.19
SMB8 L10S 03+50Z01	238	< 5	20	2.96	< 0.2	< 5	140	0.5	< 2	0.34	< 0.5	14	28	13	3.28	< 10	1	0.04	10	0.47
SMB8 L10S 04+00Z01	238	< 5	20	4.20	< 0.2	15	200	1.0	< 2	0.50	< 0.5	19	26	22	3.70	< 10	< 1	0.09	10	0.91
SMB8 L10S 04+50Z01	238	< 5	30	4.93	< 0.2	< 5	180	1.0	< 2	0.88	< 0.5	20	31	32	4.36	< 10	< 1	0.10	10	1.21
SMB8 L10S 05+00Z01	238	< 5	30	5.42	< 0.2	15	150	0.5	< 2	1.03	< 0.5	22	28	46	4.53	< 10	< 1	0.15	10	1.27
SMB8 L10S 05+50Z01	238	< 5	20	5.29	< 0.2	5	160	1.5	< 2	0.98	< 0.5	22	34	51	4.67	< 10	< 1	0.15	10	1.23
SMB8 L10S 06+00Z01	238	< 5	40	5.35	< 0.2	< 5	190	1.0	< 2	1.34	< 0.5	24	37	62	5.07	< 10	< 1	0.11	20	1.70
SMB8 L10S 06+50Z01	238	< 5	20	6.01	< 0.2	30	190	1.0	< 2	0.57	< 0.5	21	41	26	4.57	< 10	< 1	0.14	10	1.06
SMB8 L10S 07+00Z01	238	< 5	20	5.91	< 0.2	50	230	< 0.5	< 2	1.10	< 0.5	21	37	42	4.55	10	3	0.12	10	1.26
SMB8 L10S 07+50Z01	238	< 5	20	6.22	< 0.2	40	200	0.5	< 2	0.75	< 0.5	22	39	29	4.47	10	< 1	0.13	10	1.06
SMB8 L10S 08+00Z01	238	< 5	20	7.27	< 0.2	15	240	1.0	< 2	0.71	< 0.5	23	48	38	5.02	< 10	< 1	0.13	10	1.24
SMB8 L10S 08+50Z01	238	< 5	30	3.73	< 0.2	10	170	1.0	< 2	0.30	< 0.5	17	33	15	3.57	< 10	< 1	0.10	10	0.62
SMB8 L10S 09+00Z01	238	< 5	50	4.89	< 0.2	10	250	0.5	2	0.48	< 0.5	20	53	22	4.33	10	< 1	0.16	10	0.84
SMB8 L10S 09+50Z01	238	< 5	20	3.89	< 0.2	< 5	170	0.5	< 2	0.54	< 0.5	15	54	13	3.64	< 10	< 1	0.07	10	0.71

CERTIFICATION :

B. Coughlin



Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers

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Project: 232

Comments:

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Total Pages: 5

Date: 5-OCT-88

Invoice #: I-8824344

P.O. #: NONE

CERTIFICATE OF ANALYSIS A8824344

SAMPLE DESCRIPTION	PREP CODE	Mn ppm	Mb 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
SMB8 L10S 00+50Z01	238	406	< 1	0.02	24	730	8	< 5	6	111	0.24	< 10	< 10	108	< 5	122
SMB8 L10S 01+00Z01	238	430	< 1	0.02	22	670	10	< 5	5	75	0.23	< 10	< 10	96	< 5	112
SMB8 L10S 01+50Z01	238	466	< 1	0.02	20	890	2	< 5	5	76	0.25	< 10	< 10	110	< 5	116
SMB8 L10S 02+00Z01	238	628	1	0.02	14	500	8	< 5	3	46	0.16	< 10	< 10	67	< 5	77
SMB8 L10S 02+50Z01	238	491	< 1	0.02	19	460	< 2	< 5	3	47	0.16	< 10	< 10	70	< 5	80
SMB8 L10S 03+00Z01	238	489	< 1	0.02	16	500	2	< 5	3	55	0.17	< 10	< 10	65	< 5	80
SMB8 L10S 03+50Z01	238	354	< 1	0.01	17	660	2	< 5	3	67	0.20	< 10	< 10	77	< 5	86
SMB8 L10S 04+00Z01	238	402	< 1	0.02	17	850	< 2	< 5	5	86	0.23	< 10	< 10	91	< 5	99
SMB8 L10S 04+50Z01	238	581	< 1	0.02	9	660	8	< 5	2	26	0.13	< 10	< 10	49	< 5	69
SMB8 L10S 05+00Z03	238	442	< 1	0.13	15	450	6	< 5	9	240	0.28	< 10	< 10	116	< 5	92
SMB8 L10S 05+50Z01	238	446	< 1	0.03	19	500	< 2	< 5	9	296	0.31	< 10	< 10	124	< 5	93
SMB8 L10S 06+00Z01	238	639	< 1	0.03	15	600	< 2	< 5	8	181	0.30	< 10	< 10	126	< 5	101
SMB8 L10S 06+50Z03	238	624	< 1	0.13	12	520	< 2	< 5	12	272	0.34	< 10	< 10	130	< 5	93
SMB8 L10S 07+00Z01	238	653	< 1	0.05	12	740	< 2	< 5	12	502	0.28	< 10	< 10	118	< 5	99
SMB8 L10S 07+50Z01	238	655	< 1	0.05	10	630	2	< 5	11	279	0.29	< 10	< 10	109	< 5	86
SMB8 L10S 08+00Z03	238	672	< 1	0.14	12	590	10	< 5	13	266	0.34	< 10	< 10	131	< 5	96
SMB8 L10S 08+50Z01	238	774	< 1	0.04	11	910	< 2	< 5	10	256	0.22	< 10	< 10	123	< 5	90
SMB8 L10S 09+00Z01	238	708	< 1	0.01	18	700	2	< 5	6	148	0.25	< 10	< 10	99	< 5	112
SMB8 L10S 09+50Z01	238	1060	< 1	0.02	20	730	2	< 5	6	160	0.25	< 10	< 10	103	< 5	129
SMB8 L10S 10+00Z01	238	884	< 1	0.01	29	1570	< 2	< 5	6	139	0.14	< 10	< 10	99	< 5	157
SMB8 L10S BL	201	721	< 1	0.04	26	770	8	< 5	9	152	0.20	< 10	< 10	167	< 5	119
SMB8 L10S 00+50Z01	238	812	< 1	0.09	28	690	< 2	< 5	11	387	0.36	< 10	< 10	191	< 5	111
SMB8 L10S 01+00Z01	238	783	< 1	0.05	21	740	< 2	< 5	11	243	0.29	< 10	< 10	143	< 5	100
SMB8 L10S 01+50Z03	238	712	< 1	0.18	25	580	< 2	< 5	20	378	0.29	< 10	< 10	190	< 5	102
SMB8 L10S 02+00Z01	238	896	< 1	0.05	24	1280	< 2	< 5	12	327	0.28	< 10	< 10	160	< 5	125
SMB8 L10S 02+50Z03	238	805	< 1	0.25	27	540	8	< 5	18	452	0.40	< 10	< 10	186	< 5	104
SMB8 L10S 03+00Z01	238	514	< 1	0.06	26	430	4	< 5	14	387	0.33	< 10	< 10	156	5	90
SMB8 L10S 03+50Z01	238	473	< 1	0.03	20	730	2	< 5	4	67	0.22	< 10	< 10	102	5	103
SMB8 L10S 04+00Z01	238	979	< 1	0.03	25	820	8	< 5	6	240	0.25	< 10	< 10	111	5	109
SMB8 L10S 04+50Z01	238	686	< 1	0.03	27	760	8	< 5	9	317	0.22	< 10	< 10	133	5	102
SMB8 L10S 05+00Z01	238	536	< 1	0.03	24	680	< 2	< 5	12	217	0.18	< 10	< 10	142	5	93
SMB8 L10S 05+50Z01	238	468	< 1	0.03	25	570	< 2	< 5	12	269	0.15	< 10	< 10	136	10	88
SMB8 L10S 06+00Z01	238	545	< 1	0.04	33	600	< 2	< 5	13	347	0.10	< 10	< 10	147	10	83
SMB8 L10S 06+50Z01	238	342	1	0.02	37	600	2	< 5	8	159	0.10	< 10	< 10	132	10	106
SMB8 L10S 07+00Z01	238	439	< 1	0.05	30	510	4	5	11	364	0.16	< 10	< 10	139	10	88
SMB8 L10S 07+50Z01	238	454	< 1	0.03	36	640	10	< 5	8	209	0.16	< 10	< 10	137	10	105
SMB8 L10S 08+00Z01	238	386	< 1	0.03	47	860	< 2	< 5	10	212	0.14	< 10	< 10	141	10	117
SMB8 L10S 08+50Z01	238	1190	< 1	0.03	33	860	2	< 5	5	63	0.19	< 10	< 10	102	5	133
SMB8 L10S 09+00Z01	238	461	< 1	0.03	59	1160	4	< 5	7	112	0.25	< 10	< 10	118	5	134
SMB8 L10S 09+50Z01	238	435	< 1	0.02	44	590	4	< 5	7	77	0.20	< 10	< 10	95	5	81

CERTIFICATION

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CERTIFICATE OF ANALYSIS A8824344

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Hg ppb	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
SMB8 L10S 10+00E201	238	< 5	30	5.27	< 0.2	20	250	< 0.5	< 2	1.21	< 0.5	14	100	32	3.33	< 10	< 1	0.24	20	1.06
SMB8 L12S 00+50E201	238	< 5	20	4.21	< 0.2	10	160	< 0.5	< 2	0.62	< 0.5	16	23	32	3.88	< 10	< 1	0.04	10	1.35
SMB8 L12S 01+00E201	238	< 5	30	3.32	< 0.2	30	100	< 0.5	< 2	0.45	< 0.5	14	23	15	3.98	< 10	2	0.06	10	0.85
SMB8 L12S 01+50E201	238	< 5	30	4.58	< 0.2	10	150	< 0.5	< 2	0.74	< 0.5	18	32	20	4.22	10	< 1	0.04	10	1.09
SMB8 L12S 02+00E201	238	< 5	20	5.42	< 0.2	25	150	< 0.5	< 2	0.78	< 0.5	20	27	25	4.76	10	< 1	0.08	10	1.23
SMB8 L12S 02+50E201	238	< 5	20	5.59	0.2	20	180	< 0.5	< 2	0.65	< 0.5	19	33	29	4.67	10	< 1	0.09	10	1.12
SMB8 L12S 03+00E201	238	< 5	30	5.38	0.2	5	140	< 0.5	< 2	0.60	< 0.5	20	34	21	4.75	10	< 1	0.09	10	0.99
SMB8 L12S 03+50E201	238	< 5	30	4.35	< 0.2	15	110	< 0.5	< 2	0.40	< 0.5	16	31	21	4.61	10	< 1	0.07	10	1.04
SMB8 L12S 04+00E203	238	< 5	20	4.62	< 0.2	< 5	140	< 0.5	< 2	0.83	< 0.5	15	147	23	4.38	< 10	3	0.11	20	1.18
SMB8 L12S 04+50E201	238	< 5	20	4.25	< 0.2	15	170	< 0.5	< 2	0.64	< 0.5	15	32	17	3.94	< 10	1	0.11	10	0.88
SMB8 L12S 05+00E201	238	< 5	20	3.45	< 0.2	35	130	< 0.5	< 2	0.95	< 0.5	13	25	22	3.69	< 10	< 1	0.13	10	0.91
SMB8 L12S 05+50E201	238	< 5	20	3.87	< 0.2	35	130	< 0.5	< 2	0.89	< 0.5	15	25	17	3.72	< 10	< 1	0.08	10	0.85
SMB8 L12S 06+00E201	238	< 5	30	5.54	< 0.2	35	130	< 0.5	< 2	1.33	< 0.5	18	35	27	4.61	< 10	1	0.09	20	1.41
SMB8 L12S 06+50E201	238	< 5	30	4.30	< 0.2	15	200	< 0.5	< 2	0.42	< 0.5	15	29	17	3.71	< 10	1	0.08	10	0.75
SMB8 L12S 07+00E201	238	< 5	20	4.45	< 0.2	5	140	< 0.5	< 2	0.92	< 0.5	15	21	14	4.11	< 10	< 1	0.08	10	1.07
SMB8 L12S 07+50E201	238	< 5	20	4.10	< 0.2	30	110	< 0.5	< 2	0.71	< 0.5	14	29	12	3.93	< 10	< 1	0.05	10	0.79
SMB8 L12S 08+00E201	238	< 5	30	4.21	< 0.2	5	190	< 0.5	< 2	0.40	< 0.5	15	33	26	3.91	< 10	< 1	0.06	10	0.86
SMB8 L12S 08+50E201	238	< 5	50	3.87	< 0.2	25	140	< 0.5	< 2	0.28	< 0.5	14	31	14	3.48	< 10	< 1	0.09	10	0.56
SMB8 L12S 09+00E201	238	< 5	30	3.49	< 0.2	15	160	< 0.5	< 2	0.74	< 0.5	7	26	18	3.42	< 10	< 1	0.07	10	0.67
SMB8 L12S 09+50E201	238	< 5	30	3.68	< 0.2	15	100	< 0.5	< 2	1.08	< 0.5	7	17	23	3.72	< 10	< 1	0.05	10	0.91
SMB8 L12S 10+00E201	238	< 5	30	3.54	< 0.2	10	130	< 0.5	< 2	0.75	< 0.5	15	23	15	3.89	10	< 1	0.12	10	0.92
SMB8 L12S BL 201	238	< 5	40	4.39	< 0.2	10	160	< 0.5	< 2	0.41	< 0.5	16	29	36	4.28	< 10	< 1	0.05	10	1.03
SMB8 L12S 00+50E201	238	< 5	40	4.56	< 0.2	25	150	< 0.5	< 2	0.48	< 0.5	18	29	27	4.18	< 10	< 1	0.08	10	0.77
SMB8 L12S 01+00E201	238	< 5	40	5.92	< 0.2	25	170	< 0.5	< 2	0.52	< 0.5	21	36	35	4.93	10	< 1	0.08	10	1.31
SMB8 L12S 01+50E201	238	< 5	30	6.76	< 0.2	5	260	< 0.5	< 2	0.79	< 0.5	21	39	41	5.15	10	< 1	0.08	10	1.42
SMB8 L12S 02+00E201	238	< 5	30	7.77	0.2	15	290	< 0.5	< 2	0.85	< 0.5	27	39	55	5.45	10	< 1	0.05	10	1.61
SMB8 L12S 02+50E201	238	< 5	30	7.07	0.2	35	280	< 0.5	< 2	1.04	< 0.5	20	29	52	5.37	10	< 1	0.08	10	1.38
SMB8 L12S 03+00E201	238	< 5	50	6.09	< 0.2	30	180	< 0.5	< 2	0.49	< 0.5	21	35	47	4.51	10	< 1	0.07	10	1.16
SMB8 L12S 03+50E201	238	< 5	20	5.34	< 0.2	15	180	< 0.5	2	0.61	< 0.5	18	32	37	4.36	10	< 1	0.11	10	1.04
SMB8 L12S 04+00E201	238	< 5	20	4.78	< 0.2	25	180	< 0.5	< 2	0.59	< 0.5	18	36	36	4.01	< 10	< 1	0.06	10	0.97
SMB8 L12S 04+50E201	238	< 5	30	5.19	0.2	5	200	< 0.5	< 2	0.79	< 0.5	16	35	37	3.93	10	< 1	0.10	10	0.98
SMB8 L12S 05+00E201	238	< 5	20	4.09	< 0.2	20	220	< 0.5	< 2	0.59	< 0.5	16	45	31	3.84	< 10	3	0.05	10	0.81
SMB8 L12S 05+50E201	238	< 5	20	7.65	< 0.2	25	260	< 0.5	< 2	1.17	< 0.5	21	34	65	5.05	< 10	< 1	0.13	10	1.40
SMB8 L12S 06+00E201	238	< 5	30	7.45	< 0.2	25	210	< 0.5	< 2	1.51	< 0.5	26	40	65	5.25	10	< 1	0.11	10	1.73
SMB8 L12S 06+50E201	238	< 5	40	7.05	< 0.2	20	210	< 0.5	< 2	1.11	< 0.5	31	37	61	5.37	10	2	0.20	10	1.70
SMB8 L12S 07+00E201	238	< 5	30	6.22	< 0.2	20	190	< 0.5	< 2	1.17	< 0.5	26	34	48	5.20	10	< 1	0.06	10	1.67
SMB8 L12S 07+50E201	238	< 5	30	5.88	< 0.2	20	250	< 0.5	2	1.10	< 0.5	23	47	39	4.89	< 10	< 1	0.07	10	1.29
SMB8 L12S 08+00E201	238	< 5	80	6.40	< 0.2	< 5	200	< 0.5	2	1.40	< 0.5	22	42	57	4.90	10	< 1	0.09	20	1.37
SMB8 L12S 08+50E201	238	< 5	100	5.94	< 0.2	20	230	< 0.5	< 2	1.36	< 0.5	21	102	55	4.70	10	1	0.22	20	1.39
SMB8 L12S 09+00E201	238	< 5	70	5.84	< 0.2	25	200	< 0.5	< 2	1.66	< 0.5	20	42	63	4.95	10	< 1	0.11	20	1.53

CERTIFICATION

B. Taylor



Chemex Labs Ltd.

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

To: ASHWORTH EXPLORATIONS LTD.

718 - 744 W. HASTINGS ST.
 VANCOUVER, BC
 V6C 1A5

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 Comments:

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 Invoice #: I-8824344
 P.O. #: NONE

CERTIFICATE OF ANALYSIS A8824344

SAMPLE DESCRIPTION	PREP CODE	Mn ppm	Mg ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Ti ppm	U ppm	V ppm	W ppm	Zn ppm
SME8 L10S 10+00Z01	238	382	< 1	0.13	23	410	2	< 5	8	369	0.22	< 10	< 10	97	< 5	70
SME8 L12S 00+50Z01	238	412	< 1	0.03	18	400	< 2	< 5	7	172	0.24	< 10	< 10	103	< 5	95
SME8 L12S 01+00Z01	238	820	< 1	0.02	19	650	2	< 5	5	98	0.25	< 10	< 10	110	< 5	93
SME8 L12S 01+50Z01	238	798	< 1	0.03	31	680	6	< 5	8	117	0.26	< 10	< 10	113	5	109
SME8 L12S 02+00Z01	238	510	< 1	0.04	26	720	4	< 5	8	198	0.30	< 10	< 10	129	5	114
SME8 L12S 02+50Z01	238	387	< 1	0.03	24	580	2	< 5	8	165	0.31	< 10	< 10	124	< 5	91
SME8 L12S 03+00Z01	238	494	< 1	0.02	30	1070	8	< 5	8	112	0.32	< 10	< 10	124	5	122
SME8 L12S 03+50Z01	238	437	< 1	0.03	26	1040	< 2	< 5	6	129	0.32	< 10	< 10	126	5	104
SME8 L12S 04+00Z03	238	482	< 1	0.13	16	520	< 2	< 5	9	192	0.34	< 10	< 10	122	< 5	87
SME8 L12S 04+50Z01	238	473	< 1	0.02	24	850	< 2	< 5	6	153	0.28	< 10	< 10	107	< 5	100
SME8 L12S 05+00Z01	238	430	< 1	0.03	13	630	< 2	< 5	7	304	0.25	< 10	< 10	104	< 5	78
SME8 L12S 05+50Z01	238	465	< 1	0.03	17	720	< 2	5	7	200	0.25	< 10	< 10	100	< 5	92
SME8 L12S 06+00Z01	238	464	< 1	0.03	16	740	< 2	< 5	9	254	0.28	< 10	< 10	121	5	88
SME8 L12S 06+50Z01	238	299	< 1	0.02	22	600	2	< 5	5	150	0.23	< 10	< 10	93	< 5	83
SME8 L12S 07+00Z01	238	440	< 1	0.04	11	560	< 2	< 5	8	278	0.26	< 10	< 10	104	< 5	90
SME8 L12S 07+50Z01	238	322	< 1	0.03	22	360	< 2	< 5	6	116	0.26	< 10	< 10	111	< 5	92
SME8 L12S 08+00Z01	238	374	< 1	0.02	30	790	4	< 5	6	157	0.23	< 10	< 10	102	5	83
SME8 L12S 08+50Z01	238	554	< 1	0.01	32	1250	6	< 5	4	77	0.21	< 10	< 10	85	< 5	124
SME8 L12S 09+00Z01	238	275	< 1	0.02	14	520	2	< 5	5	215	0.24	< 10	< 10	94	< 5	73
SME8 L12S 09+50Z01	238	325	< 1	0.04	11	380	4	< 5	9	208	0.21	< 10	< 10	110	< 5	68
SME8 L12S 10+00Z01	238	741	< 1	0.02	15	790	6	< 5	7	210	0.26	< 10	< 10	111	< 5	95
SME8 L12S BL 201	238	390	< 1	0.02	26	620	< 2	< 5	7	149	0.24	< 10	< 10	118	< 5	106
SME8 L12S 00+50Z01	238	600	< 1	0.03	22	810	8	< 5	8	102	0.21	< 10	< 10	126	< 5	95
SME8 L12S 01+00Z01	238	465	< 1	0.02	27	680	< 2	< 5	9	150	0.27	< 10	< 10	145	< 5	106
SME8 L12S 01+50Z01	238	647	< 1	0.04	33	770	< 2	< 5	10	256	0.27	< 10	< 10	146	< 5	105
SME8 L12S 02+00Z01	238	505	< 1	0.05	32	650	< 2	< 5	12	344	0.29	< 10	< 10	169	< 5	114
SME8 L12S 02+50Z01	238	557	< 1	0.06	22	690	< 2	< 5	14	379	0.28	< 10	< 10	162	< 5	111
SME8 L12S 03+00Z01	238	630	1	0.03	26	840	< 2	< 5	8	206	0.29	< 10	< 10	139	< 5	131
SME8 L12S 03+50Z01	238	418	< 1	0.02	26	760	< 2	< 5	8	185	0.28	< 10	< 10	126	< 5	103
SME8 L12S 04+00Z01	238	407	< 1	0.03	29	680	< 2	5	7	174	0.24	< 10	< 10	116	< 5	99
SME8 L12S 04+50Z01	238	384	< 1	0.03	29	640	< 2	< 5	8	278	0.22	< 10	< 10	111	< 5	93
SME8 L12S 05+00Z01	238	319	< 1	0.02	31	400	< 2	< 5	6	198	0.25	< 10	< 10	109	< 5	73
SME8 L12S 05+50Z01	238	437	< 1	0.05	22	640	< 2	< 5	16	642	0.27	< 10	< 10	159	5	103
SME8 L12S 06+00Z01	238	507	< 1	0.08	35	610	< 2	< 5	15	319	0.28	< 10	< 10	152	5	102
SME8 L12S 06+50Z01	238	992	< 1	0.04	36	1690	6	5	14	373	0.32	< 10	< 10	161	5	147
SME8 L12S 07+00Z01	238	935	< 1	0.07	32	740	8	< 5	14	315	0.30	< 10	< 10	157	< 5	118
SME8 L12S 07+50Z01	238	594	< 1	0.06	34	760	< 2	< 5	14	324	0.14	< 10	< 10	145	< 5	119
SME8 L12S 08+00Z01	238	428	< 1	0.06	32	490	< 2	< 5	17	326	0.15	< 10	< 10	150	5	83
SME8 L12S 08+50Z01	238	508	< 1	0.09	42	510	< 2	< 5	17	322	0.27	< 10	< 10	141	< 5	83
SME8 L12S 09+00Z01	238	543	< 1	0.11	26	440	< 2	< 5	17	523	0.31	< 10	< 10	157	< 5	86

CERTIFICATION :

B. Coughlin



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CERTIFICATE OF ANALYSIS A8824344

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Hg ppb	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
SMB8 L12S 09+50	201 238	< 5	40	6.76	< 0.2	25	170	< 0.5	< 2	1.94	< 0.5	21	30	62	4.85	10	< 1	0.16	20	1.53
SMB8 L12S 10+00	201 238	< 5	20	4.02	< 0.2	20	110	< 0.5	< 2	1.21	< 0.5	20	93	59	3.94	< 10	< 1	0.09	20	1.49
SMB8 T-01	201 238	< 5	30	1.65	< 0.2	10	130	< 0.5	< 2	0.68	< 0.5	8	29	11	5.45	< 10	< 1	0.09	10	0.64
SMB8 T-02	201 238	< 5	120	1.80	< 0.2	25	130	< 0.5	< 2	0.75	< 0.5	10	37	20	3.80	< 10	< 1	0.09	20	0.82
SMB8 T-03	201 238	< 5	40	2.20	< 0.2	5	140	< 0.5	< 2	1.02	< 0.5	17	45	25	3.72	< 10	< 1	0.12	20	1.04
SMB8 T-04	201 238	< 5	30	2.23	< 0.2	20	150	< 0.5	< 2	1.08	< 0.5	16	41	23	3.54	< 10	< 1	0.11	20	1.03
SMB8 T-05	201 238	< 5	50	2.26	< 0.2	5	160	< 0.5	< 2	1.07	< 0.5	9	43	24	3.37	< 10	< 1	0.13	20	1.04
SMB8 T-06	201 238	< 5	30	2.34	< 0.2	15	160	< 0.5	< 2	1.04	< 0.5	15	43	21	3.36	< 10	< 1	0.12	20	1.04
SMB8 T-07	201 238	< 5	40	2.42	< 0.2	20	150	< 0.5	< 2	1.05	< 0.5	15	44	22	3.41	< 10	2	0.12	20	1.04
SMB8 T-08	201 238	< 5	30	2.30	< 0.2	5	140	< 0.5	< 2	1.02	< 0.5	16	59	21	4.45	< 10	< 1	0.11	20	1.02
SMB8 T-09	201 238	< 5	40	2.69	< 0.2	5	170	< 0.5	2	1.11	< 0.5	16	48	24	3.40	< 10	1	0.14	20	1.13
SMB8 T-10	201 238	< 5	30	2.30	0.4	5	140	< 0.5	2	1.00	< 0.5	14	46	20	3.44	< 10	< 1	0.11	20	1.02
SMB8 T-11	201 238	< 5	30	2.21	< 0.2	5	140	< 0.5	< 2	1.02	< 0.5	17	51	21	3.83	< 10	< 1	0.11	20	1.01
SMB8 T-12	201 238	< 5	40	2.46	< 0.2	5	160	< 0.5	2	1.11	< 0.5	18	44	24	3.47	< 10	< 1	0.12	20	1.08
SMB8 T-13	203 238	< 5	60	2.76	< 0.2	< 5	140	< 0.5	< 2	1.46	< 0.5	9	194	28	2.77	< 10	< 1	0.17	20	0.91
SMB8 T-14	217 238	< 5	40	2.21	< 0.2	25	290	< 0.5	< 2	0.94	< 0.5	12	38	30	2.61	< 10	< 1	0.15	20	0.80
SMB8 T-15	217 238	10	60	2.36	< 0.2	25	90	< 0.5	2	1.98	< 0.5	11	149	31	2.00	< 10	< 1	0.13	10	0.86
SMB8 T-16	217 238	< 5	30	2.58	< 0.2	10	130	< 0.5	< 2	1.50	< 0.5	8	108	23	3.11	< 10	< 1	0.11	20	1.14
SMB8 T-17	217 238	< 5	80	2.02	< 0.2	10	100	< 0.5	< 2	1.94	< 0.5	9	66	41	2.03	< 10	2	0.09	20	0.70
SMB8 T-18	201 238	< 5	80	2.37	< 0.2	20	100	< 0.5	< 2	1.74	< 0.5	10	69	40	2.38	< 10	< 1	0.10	20	0.82
SMB8 T-19	201 238	< 5	30	4.67	< 0.2	10	130	< 0.5	< 2	2.15	< 0.5	23	35	57	4.95	10	< 1	0.08	10	2.04
SMB8 T-20	217 238	< 5	30	4.56	< 0.2	15	140	< 0.5	2	2.55	< 0.5	21	78	53	4.76	10	1	0.09	10	1.96
SMB8 T-21	201 238	< 5	40	3.32	< 0.2	< 5	110	< 0.5	2	1.76	< 0.5	16	41	39	4.35	10	2	0.09	20	1.44
SMB8 T-22	203 238	< 5	30	3.75	< 0.2	10	120	< 0.5	4	2.11	< 0.5	17	103	44	4.48	10	< 1	0.11	20	1.63
SMB8 T-23	201 238	< 5	30	2.97	0.2	20	90	< 0.5	< 2	1.55	< 0.5	16	45	32	4.77	10	< 1	0.08	20	1.32
SMB8 T-24	203 238	< 5	50	3.61	< 0.2	15	110	< 0.5	< 2	1.96	< 0.5	17	105	49	4.35	10	< 1	0.11	20	1.55
SMB8 T-25	217 238	< 5	40	2.58	0.4	< 5	100	< 0.5	< 2	1.02	< 0.5	30	155	66	4.40	10	< 1	0.16	20	2.10
SMB8 T-26	203 238	< 5	30	1.45	< 0.2	5	100	< 0.5	< 2	0.49	< 0.5	8	136	15	1.95	< 10	2	0.12	10	0.41
SMB8 T-27	201 238	< 5	40	1.16	< 0.2	< 5	270	< 0.5	4	0.57	0.5	6	16	22	1.17	< 10	1	0.09	10	0.29
SMB8 T-28	201 238	< 5	40	1.46	< 0.2	10	290	< 0.5	2	0.79	< 0.5	5	16	25	1.20	10	< 1	0.10	10	0.37
SMB8 T-29	201 238	< 5	40	2.17	0.2	20	230	< 0.5	< 2	1.14	< 0.5	8	16	22	2.12	10	< 1	0.12	20	0.58
SMB8 T-30	201 238	< 5	30	2.07	0.2	10	170	< 0.5	< 2	1.03	< 0.5	8	21	18	2.10	10	< 1	0.09	10	0.59
SMB8 T-31	217 238	< 5	60	2.45	0.6	25	90	< 0.5	< 2	1.50	< 0.5	10	78	37	2.39	10	< 1	0.11	30	0.71
SMB8 T-32	203 238	< 5	50	2.33	0.2	25	170	< 0.5	< 2	1.27	< 0.5	9	154	23	2.50	10	< 1	0.13	20	0.66
SMB8 T-41	201 238	< 5	40	2.13	0.2	10	150	< 0.5	< 2	0.86	< 0.5	16	52	28	2.83	< 10	1	0.12	20	0.98
SMB8 T-42	217 238	< 5	40	2.49	< 0.2	10	90	0.5	< 2	1.30	< 0.5	21	160	42	3.23	< 10	< 1	0.11	20	1.33
SMB8 T-43	217 238	< 5	40	2.10	0.2	10	100	0.5	2	0.83	< 0.5	17	135	30	2.82	< 10	< 1	0.17	20	1.21
SMB8 T-44	217 238	< 5	50	2.26	0.2	15	110	0.5	< 2	0.92	< 0.5	16	101	30	2.80	< 10	< 1	0.18	20	1.04
SMB8 T-45	203 238	< 5	40	2.15	0.2	15	120	< 0.5	< 2	0.80	< 0.5	14	163	22	2.61	< 10	2	0.17	20	0.88
SMB8 T-46	203 238	< 5	30	1.62	0.2	5	120	< 0.5	< 2	0.65	< 0.5	10	169	16	2.17	< 10	1	0.15	10	0.67

CERTIFICATION :

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CERTIFICATE OF ANALYSIS A8824344

SAMPLE DESCRIPTION	PREP CODE	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Ti ppm	U ppm	V ppm	W ppm	Zn ppm
SMB8 L12S 09+50	201 238	685	< 1	0.28	23	550	< 2	< 5	16	543	0.26	< 10	< 10	148	5	96
SMB8 L12S 10+00	201 238	442	< 1	0.11	44	330	< 2	5	12	132	0.14	< 10	< 10	95	5	76
SMB8 T-01	201 238	403	< 1	0.04	22	1540	< 2	< 5	5	110	0.09	< 10	< 10	59	5	67
SMB8 T-02	201 238	300	< 1	0.04	27	980	8	< 5	7	103	0.08	< 10	< 10	69	< 5	76
SMB8 T-03	201 238	600	< 1	0.04	30	770	< 2	< 5	8	161	0.15	< 10	< 10	105	< 5	78
SMB8 T-04	201 238	726	< 1	0.05	28	730	< 2	< 5	8	169	0.14	< 10	< 10	100	< 5	73
SMB8 T-05	201 238	877	< 1	0.05	27	800	< 2	< 5	8	166	0.12	< 10	< 10	87	< 5	72
SMB8 T-06	201 238	832	< 1	0.05	32	710	< 2	< 5	8	172	0.14	< 10	< 10	92	< 5	72
SMB8 T-07	201 238	941	< 1	0.05	31	760	6	< 5	8	165	0.15	< 10	< 10	94	< 5	75
SMB8 T-08	201 238	804	< 1	0.05	31	770	4	< 5	8	169	0.23	< 10	< 10	154	5	85
SMB8 T-09	201 238	579	< 1	0.06	33	730	2	< 5	9	192	0.16	< 10	< 10	93	< 5	78
SMB8 T-10	201 238	595	< 1	0.06	29	720	2	< 5	8	172	0.17	< 10	< 10	101	< 5	72
SMB8 T-11	201 238	649	< 1	0.06	32	730	4	< 5	8	175	0.19	< 10	< 10	123	< 5	81
SMB8 T-12	201 238	736	< 1	0.07	31	730	4	< 5	8	206	0.15	< 10	< 10	101	< 5	78
SMB8 T-13	203 238	634	< 1	0.13	35	880	< 2	< 5	7	181	0.16	< 10	< 10	81	5	79
SMB8 T-14	217 238	644	< 1	0.04	26	500	< 2	< 5	8	188	0.04	< 10	< 10	62	< 5	66
SMB8 T-15	217 238	546	< 1	0.05	24	1160	< 2	< 5	6	189	0.11	< 10	< 10	141	5	81
SMB8 T-16	217 238	525	< 1	0.13	12	900	< 2	< 5	8	359	0.22	< 10	< 10	101	< 5	81
SMB8 T-17	217 238	583	< 1	0.04	18	1370	2	< 5	5	214	0.07	< 10	< 10	129	< 5	70
SMB8 T-18	201 238	616	< 1	0.05	13	1420	< 2	< 5	7	226	0.10	< 10	< 10	113	< 5	97
SMB8 T-19	201 238	733	< 1	0.22	23	600	10	< 5	14	391	0.33	< 10	< 10	177	< 5	97
SMB8 T-20	217 238	773	< 1	0.31	23	950	2	< 5	13	456	0.34	< 10	< 10	183	5	104
SMB8 T-21	201 238	574	< 1	0.11	19	830	12	< 5	11	314	0.27	< 10	< 10	171	< 5	94
SMB8 T-22	203 238	714	< 1	0.21	17	900	< 2	5	12	359	0.30	< 10	< 10	172	< 5	99
SMB8 T-23	201 238	569	< 1	0.09	18	840	< 2	< 5	10	283	0.29	< 10	< 10	193	< 5	93
SMB8 T-24	203 238	673	< 1	0.21	19	820	22	< 5	11	335	0.29	< 10	< 10	160	< 5	95
SMB8 T-25	217 238	954	< 1	0.14	144	730	4	< 5	15	90	0.12	< 10	< 10	94	< 5	106
SMB8 T-26	203 238	381	< 1	0.14	16	350	10	< 5	3	78	0.14	< 10	< 10	67	< 5	57
SMB8 T-27	201 238	138	< 1	0.02	10	280	8	< 5	2	280	0.10	< 10	< 10	44	< 5	42
SMB8 T-28	201 238	171	< 1	0.03	7	410	10	< 5	2	311	0.06	< 10	< 10	45	< 5	46
SMB8 T-29	201 238	337	< 1	0.03	11	580	8	< 5	6	301	0.12	< 10	< 10	68	< 5	65
SMB8 T-30	201 238	307	< 1	0.03	10	600	< 2	< 5	6	253	0.12	< 10	< 10	77	< 5	60
SMB8 T-31	217 238	455	< 1	0.05	21	1120	10	< 5	9	137	0.13	< 10	< 10	64	5	90
SMB8 T-32	203 238	478	< 1	0.10	16	700	4	< 5	7	276	0.16	< 10	< 10	96	< 5	73
SMB8 T-41	201 238	332	< 1	0.06	50	570	< 2	< 5	8	151	0.12	< 10	< 10	76	< 5	74
SMB8 T-42	217 238	577	< 1	0.20	83	700	< 2	< 5	11	141	0.12	< 10	< 10	74	< 5	91
SMB8 T-43	217 238	485	< 1	0.10	55	600	< 2	< 5	8	99	0.10	< 10	< 10	61	5	72
SMB8 T-44	217 238	627	< 1	0.09	60	670	< 2	< 5	8	90	0.09	< 10	< 10	58	5	77
SMB8 T-45	203 238	454	< 1	0.11	43	530	< 2	< 5	7	104	0.12	< 10	< 10	57	5	67
SMB8 T-46	203 238	296	< 1	0.14	33	440	< 2	< 5	5	106	0.12	< 10	< 10	54	< 5	57

CERTIFICATION :



Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers

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

PHONE (604) 984-0221

To: ASHWORTH EXPLORATIONS LTD.

718 - 744 W. HASTINGS ST.

VANCOUVER, BC

V6C 1A5

Project: 232

Comments:

Page No. 5-A

Tot. Pages. 5

Date: 5-OCT-88

Invoice #: I-8824344

P.O. #: NONE

CERTIFICATE OF ANALYSIS A8824344

SAMPLE DESCRIPTION	PREP CODE	Au ppb Pt+AA	Hg ppb	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
SMB8 T-47	217 238	< 5	30	3.82	< 0.2	< 5	90	< 0.5	14	1.53	< 0.5	16	113	33	4.60	< 10	< 1	0.13	< 10	1.28
SMB8 T-48	203 238	< 5	80	2.30	0.4	10	80	< 0.5	14	2.10	< 0.5	11	94	47	2.55	10	< 1	0.09	< 10	0.71
SMB8 T-49	203 238	< 5	50	3.00	0.2	15	250	< 0.5	10	1.39	< 0.5	11	88	28	2.90	< 10	< 1	0.15	10	0.88
SMB8 T-50	203 238	< 5	60	2.33	< 0.2	25	150	< 0.5	8	1.88	< 0.5	10	26	39	2.47	< 10	< 1	0.09	< 10	0.79
SMB8 T-51	217 238	< 5	60	2.62	< 0.2	15	190	< 0.5	12	1.31	< 0.5	12	93	28	3.22	< 10	< 1	0.12	< 10	0.85
SMB8 T-52	217 238	< 5	70	1.96	< 0.2	30	110	< 0.5	8	1.76	< 0.5	10	32	47	2.86	< 10	1	0.08	< 10	0.73
SMB8 T-53	201 238	< 5	30	1.71	< 0.2	10	150	< 0.5	12	0.76	< 0.5	11	30	15	3.82	< 10	< 1	0.11	10	0.86
SMB8 T-54	201 238	< 5	40	2.47	< 0.2	10	130	< 0.5	14	1.12	< 0.5	15	43	27	3.61	< 10	< 1	0.12	10	1.12
SMB8 T-55	201 238	< 5	40	2.92	< 0.2	< 5	150	< 0.5	14	1.27	< 0.5	17	47	30	3.97	< 10	< 1	0.13	10	1.27

CERTIFICATION :

B. Coughlin



Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers

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

PHONE (604) 984-0221

To: ASHWORTH EXPLORATIONS LTD.

718 - 744 W. HASTINGS ST.
VANCOUVER, BC
V6C 1A5

Project: 232

Comments:

Page No. : 5-B

Tot. Pages: 5

Date : 5-OCT-88

Invoice # : I-8824344

P.O. # : NONE

CERTIFICATE OF ANALYSIS A8824344

SAMPLE DESCRIPTION	PREP CODE		Mn	Mo	Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Ti	U	V	W	Zn
			ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
SMB8 T-47	217	238	679	2	0.12	14	700	2	< 5	12	208	0.29	< 10	< 10	140	< 5	88
SMB8 T-48	203	238	1230	1	0.06	16	850	2	< 5	7	128	0.14	< 10	< 10	70	5	96
SMB8 T-49	203	238	579	1	0.07	19	770	4	< 5	9	219	0.10	< 10	< 10	76	< 5	99
SMB8 T-50	203	238	592	2	0.04	18	840	6	< 5	7	166	0.07	< 10	< 10	88	< 5	102
SMB8 T-51	217	238	621	< 1	0.07	20	640	2	< 5	8	198	0.10	< 10	< 10	86	< 5	83
SMB8 T-52	217	238	598	2	0.05	15	910	8	< 5	6	145	0.07	< 10	< 10	85	< 5	91
SMB8 T-53	201	238	383	1	0.04	25	970	8	< 5	6	114	0.10	< 10	< 10	70	< 5	69
SMB8 T-54	201	238	641	< 1	0.04	30	710	2	< 5	8	163	0.15	< 10	< 10	87	5	81
SMB8 T-55	201	238	739	2	0.05	33	740	8	< 5	10	182	0.16	< 10	< 10	91	< 5	92

CERTIFICATION

B. Cough

APPENDIX C
ANALYTICAL TECHNIQUES

Gold FA-AA ppb:

A 10 gram sample is fused with a basic litharge flux inquarted with 10 mg of Au-free silver and then cupelled.

Beads for AA finish are digested for 1/2 hour in 1 ml HNO₃, then 3 ml HCl are added and digested for 1 hour. The samples are cooled and made to a volume of 10 ml, homogenized and run on the AAS with background correction.

32 ELEMENT GEOCHEMISTRY PACKAGE - ICP-AES

Prepared sample (0.5g) is digested with concentrated nitric-aqua regia acid at medium heat for approximately 2 hours. The acid solution is diluted to 25 ml with demineralized water, mixed and analyzed on a Jarrell-Ash 1100 Plasma unit after calibration with proper standards.

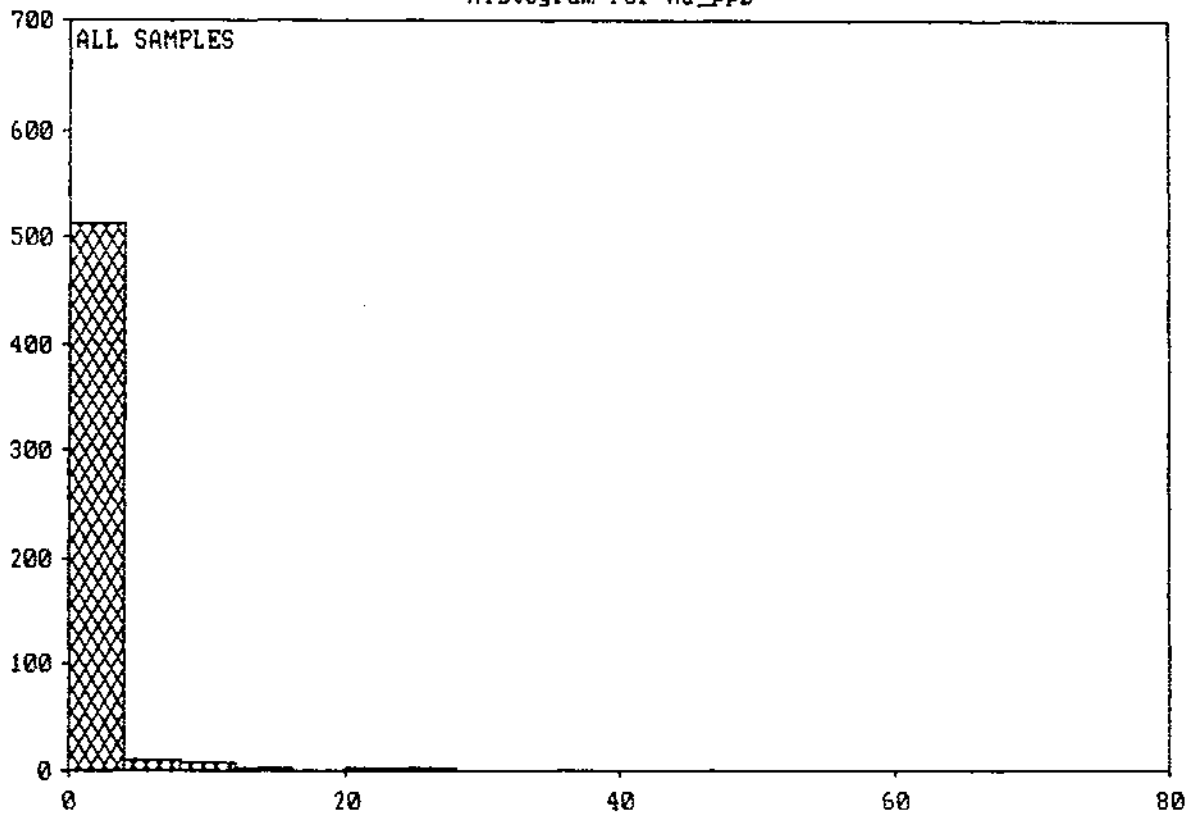
Results are corrected for spectral interelement interferences.

*Al	0.01 %	*Cr	1 ppm	Mn	1 ppm	*Na	0.01 %
Sb	5 ppm	Co	1 ppm	Hg	1 ppm	*Sr	1 ppm
As	5 ppm	Cu	1 ppm	Mo	1 ppm	*Tl	10 ppm
*Ba	10 ppm	Fe	0.01 %	Ni	1 ppm	*Ti	0.01 %
*Be	0.5 ppm	*Ga	10 ppm	P	10 ppm	*W	10 ppm
Bi	2 ppm	*La	10 ppm	*K	0.01 %	U	10 ppm
Cd	0.5 ppm	Pb	2 ppm	Se	10 ppm	V	1 ppm
*Ca	0.01 %	*Mg	0.01 %	Ag	0.2 ppm	Zn	2 ppm

*Elements for which the digestion is possibly incomplete.

APPENDIX D
STATISTICAL ANALYSIS
BY
TONY CLARK CONSULTING SERVICES

Histogram for Au_ppb



Mean = .87156 Variance = 24.74
Standard Deviation = 4.974 Skewness = 8.794

Histogram for Au_ppb

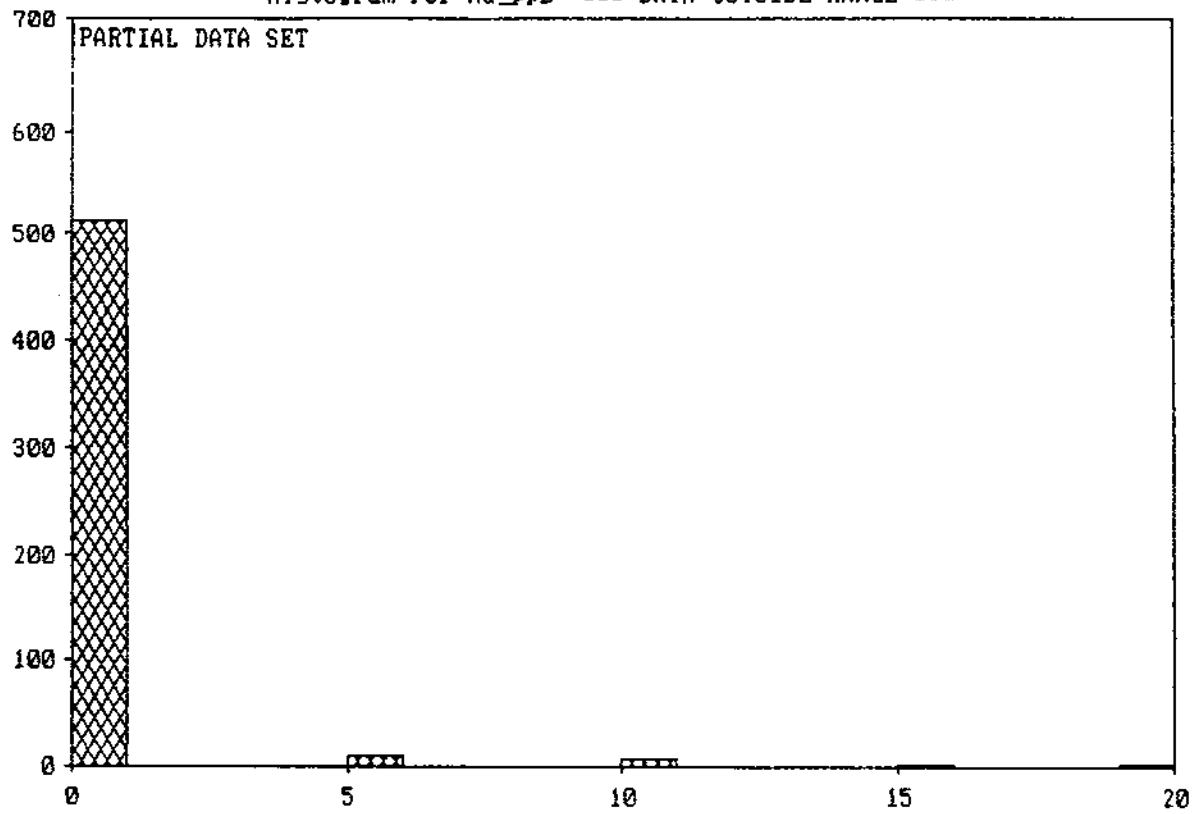
Lower limit	Upper limit	Frequency	%	Cumulative	%	
0	4	514	94	514	94	Mean
4	8	11	2	525	96	
8	12	8	1	533	98	
12	16	3	1	536	98	
16	20	0	0	536	98	
20	24	3	1	539	99	
24	28	3	1	542	99	
28	32	0	0	542	99	
32	36	1	0	543	100	
36	40	0	0	543	100	
40	44	0	0	543	100	
44	48	0	0	543	100	
48	52	0	0	543	100	
52	56	0	0	543	100	
56	60	0	0	543	100	
60	64	1	0	544	100	
64	68	1	0	545	100	
68	72	0	0	545	100	
72	76	0	0	545	100	
76	80	0	0	545	100	

Data elements inside histogram 545
 Data elements outside histogram 0

Descriptive Statistics

Mean 0.8715596
 Variance 24.7445
 Standard Deviation 4.974384
 Skewness 8.794066

Histogram for Au_ppb *** DATA OUTSIDE RANGE ***



Mean = .87156 Variance = 24.74
Standard Deviation = 4.974 Skewness = 8.794

Comment: PARTIAL DATA SET

Histogram for Au_ppb *** DATA OUTSIDE RANGE ***

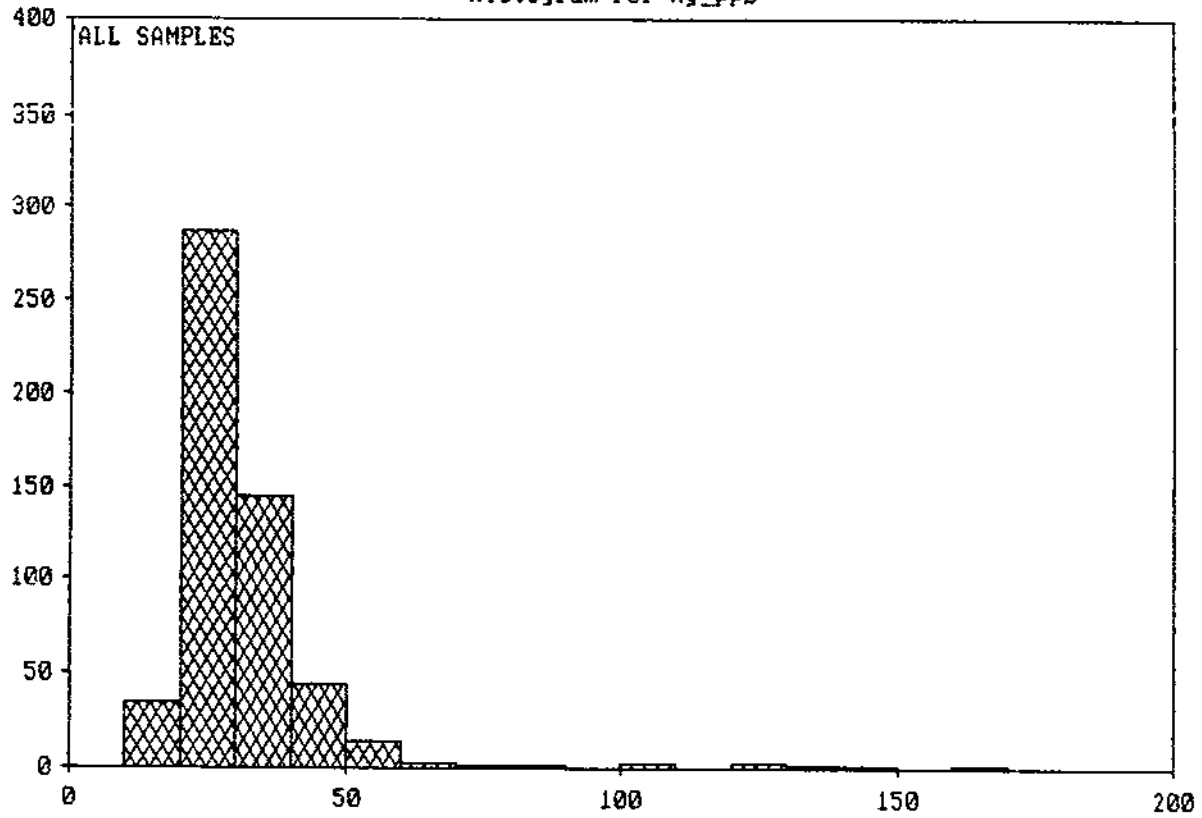
Lower limit	Upper limit	Frequency	%	Cumulative	%	
0	1	514	94	514	94	Mean
1	2	0	0	514	94	
2	3	0	0	514	94	
3	4	0	0	514	94	
4	5	0	0	514	94	
5	6	11	2	525	96	
6	7	0	0	525	96	
7	8	0	0	525	96	
8	9	0	0	525	96	
9	10	0	0	525	96	
10	11	8	1	533	98	
11	12	0	0	533	98	
12	13	0	0	533	98	
13	14	0	0	533	98	
14	15	0	0	533	98	
15	16	3	1	536	98	
16	17	0	0	536	98	
17	18	0	0	536	98	
18	19	0	0	536	98	
19	20	3	1	539	99	

Data elements inside histogram 539
 Data elements outside histogram 6

Descriptive Statistics

Mean 0.8715596
 Variance 24.7445
 Standard Deviation 4.974384
 Skewness 8.794066

Histogram for Hg_ppb



Mean = 26.972 Variance = 273.7
Standard Deviation = 16.54 Skewness = 4.262

Histogram for Hg_ppb

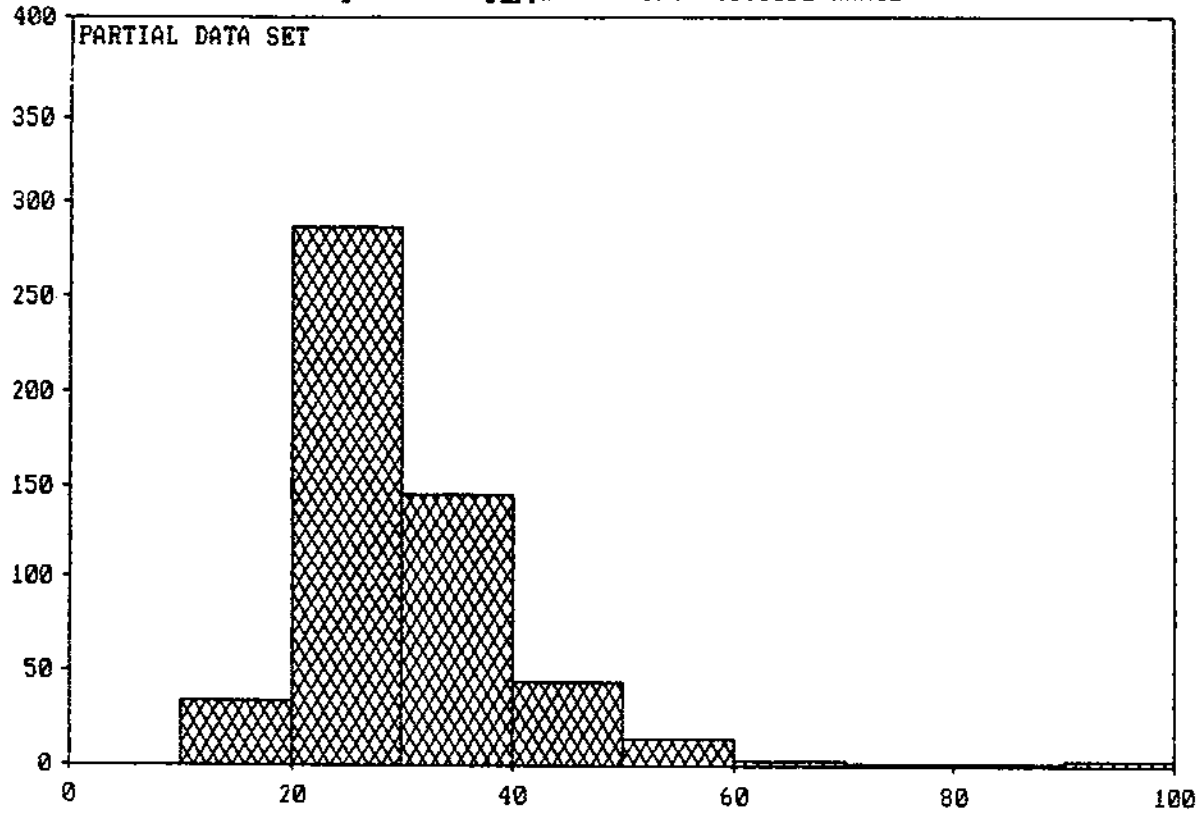
Lower limit	Upper limit	Frequency	%	Cumulative	%	
0	10	0	0	0	0	
10	20	35	6	35	6	
20	30	288	53	323	59	Mean
30	40	146	27	469	86	
40	50	45	8	514	94	
50	60	14	3	528	97	
60	70	3	1	531	97	
70	80	2	0	533	98	
80	90	2	0	535	98	
90	100	0	0	535	98	
100	110	3	1	538	99	
110	120	0	0	538	99	
120	130	3	1	541	99	
130	140	1	0	542	99	
140	150	2	0	544	100	
150	160	0	0	544	100	
160	170	1	0	545	100	
170	180	0	0	545	100	
180	190	0	0	545	100	
190	200	0	0	545	100	

Data elements inside histogram 545
 Data elements outside histogram 0

Descriptive Statistics

Mean 26.97248
 Variance 273.7217
 Standard Deviation 16.54454
 Skewness 4.2622

Histogram for Hg_ppb *** DATA OUTSIDE RANGE ***



Mean = 26.972 Variance = 273.7
Standard Deviation = 16.54 Skewness = 4.262

Comment: PARTIAL DATA SET

Histogram for Hg_ppb *** DATA OUTSIDE RANGE ***

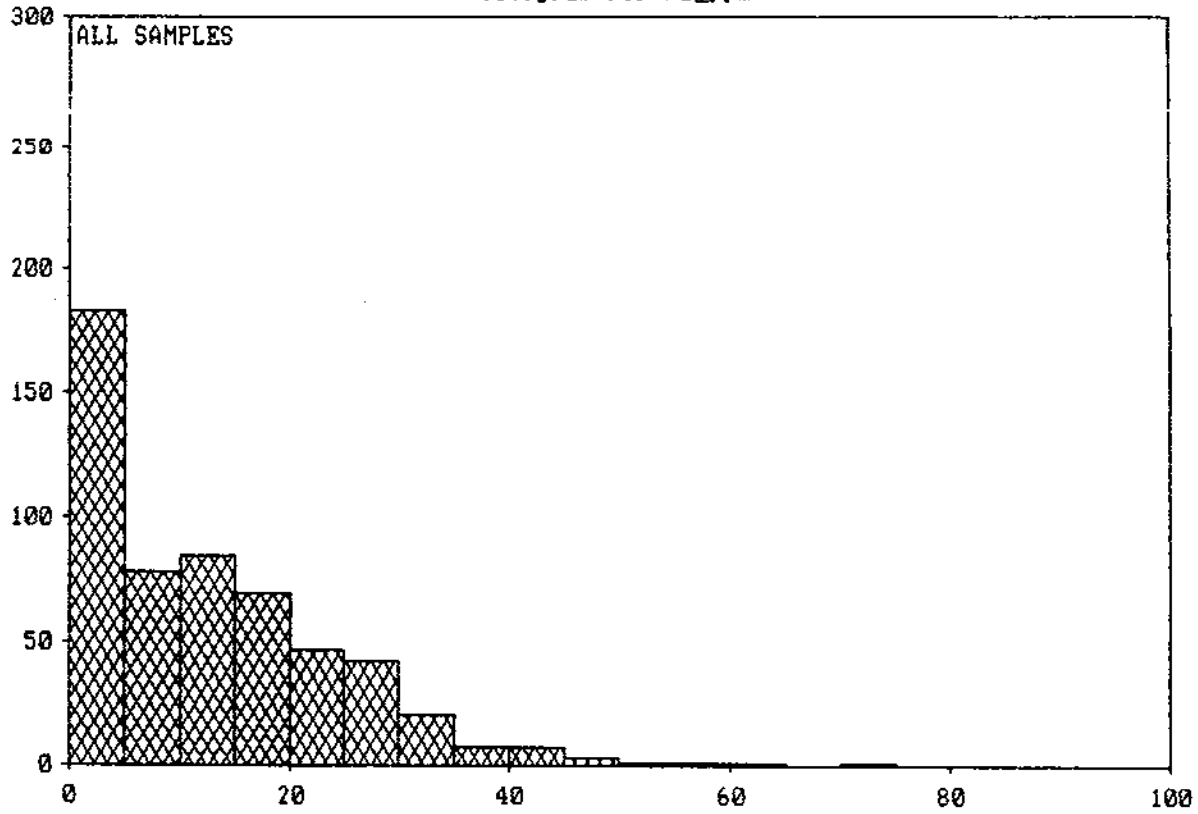
Lower limit	Upper limit	Frequency	%	Cumulative	%	
0	10	0	0	0	0	
10	20	35	6	35	6	
20	30	288	53	323	59	Mean
30	40	146	27	469	86	
40	50	45	8	514	94	
50	60	14	3	528	97	
60	70	3	1	531	97	
70	80	2	0	533	98	
80	90	2	0	535	98	
90	100	3	1	538	99	

Data elements inside histogram 538
Data elements outside histogram 7

Descriptive Statistics

Mean 26.97248
Variance 273.7217
Standard Deviation 16.54454
Skewness 4.2622

Histogram for As_ppm



Mean = 10.706 Variance = 128
Standard Deviation = 11.32 Skewness = 1.258

Histogram for As_ppm

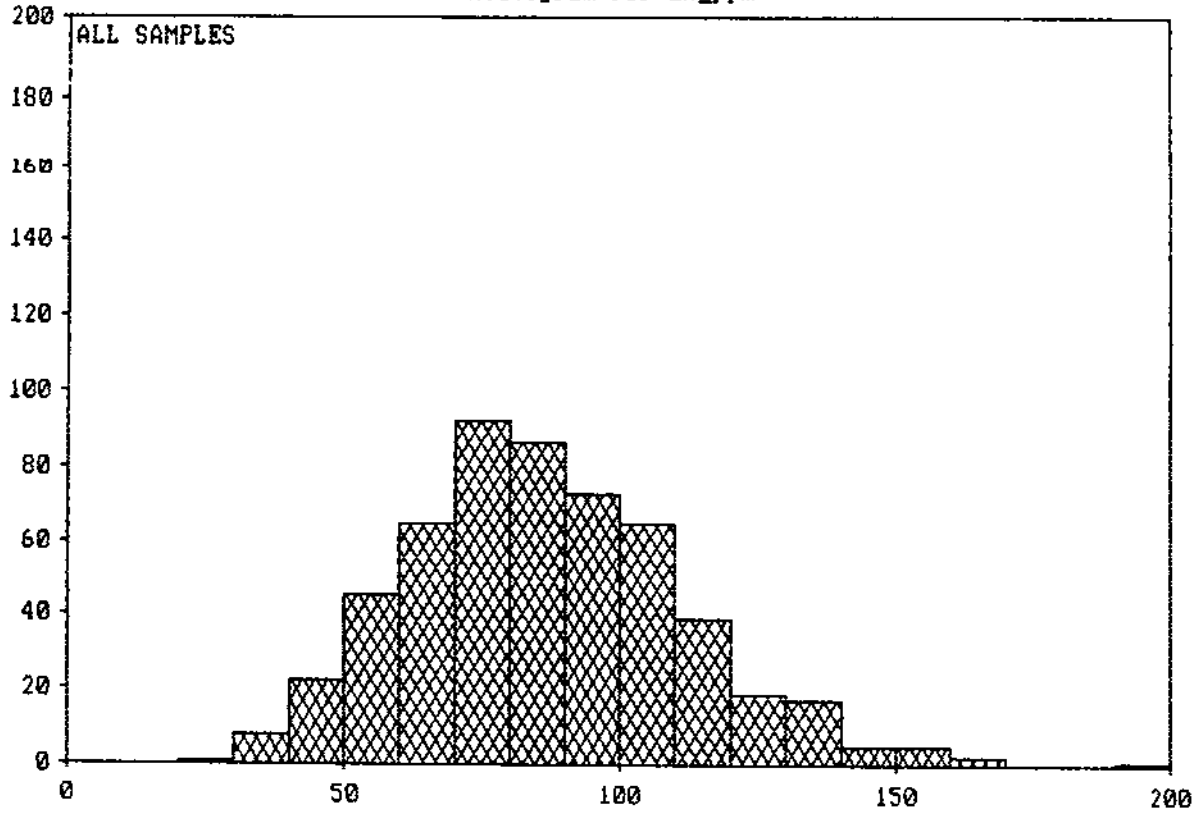
Lower limit	Upper limit	Frequency	%	Cumulative	%	
0	5	182	33	182	33	
5	10	78	14	260	48	
10	15	84	15	344	63	Mean
15	20	69	13	413	76	
20	25	46	8	459	84	
25	30	42	8	501	92	
30	35	21	4	522	96	
35	40	8	1	530	97	
40	45	8	1	538	99	
45	50	3	1	541	99	
50	55	1	0	542	99	
55	60	1	0	543	100	
60	65	1	0	544	100	
65	70	0	0	544	100	
70	75	1	0	545	100	
75	80	0	0	545	100	
80	85	0	0	545	100	
85	90	0	0	545	100	
90	95	0	0	545	100	
95	100	0	0	545	100	

Data elements inside histogram 545
Data elements outside histogram 0

Descriptive Statistics

Mean 10.70642
Variance 128.0387
Standard Deviation 11.31542
Skewness 1.257975

Histogram for Zn_ppm



Mean = 85.994 Variance = 624.2
Standard Deviation = 24.98 Skewness = .4882

Comment: ALL SAMPLES

Histogram for Zn_ppm

Lower limit	Upper limit	Frequency	%	Cumulative	%
0	10	0	0	0	0
10	20	0	0	0	0
20	30	1	0	1	0
30	40	8	1	9	2
40	50	22	4	31	6
50	60	45	8	76	14
60	70	65	12	141	26
70	80	92	17	233	43
80	90	86	16	319	59
90	100	73	13	392	72
100	110	65	12	457	84
110	120	39	7	496	91
120	130	19	3	515	94
130	140	17	3	532	98
140	150	5	1	537	99
150	160	5	1	542	99
160	170	2	0	544	100
170	180	0	0	544	100
180	190	0	0	544	100
190	200	1	0	545	100

Mean

Data elements inside histogram 545
 Data elements outside histogram 0

Descriptive Statistics

Mean 85.9945
 Variance 624.2153
 Standard Deviation 24.9843
 Skewness 0.4882141

SIXIER GROUP: Correlation Matrix.

	AUPFB	HGPPB	ALPCT	AGPPB	ASPPB	BAPFB	BEPPB	BIPPB	CAPCT	COPPB	COXPP	CPXPP	CUXPP	FEPCF	SAPFB	HGPPB	KPCT	LAPFB	MGPPB	NAFCF	NIFFB	PPFB	PPXPP	SBPPB	SCPPB	SOXPP	TIPCT	TLPPB	UPFB	UPXPP	WPPB	ZMPPB		
AUPFB	1.00	0.16	-0.09	-0.08	-0.01	-0.03	-0.03	-0.04	0.05	-0.02	-0.12	-0.01	-0.02	-0.11	-0.01	-0.07	-0.05	-0.04	-0.08	-0.02	0.06	-0.02	-0.03	0.01	-0.04	0.03	-0.06	-0.05	-0.05	0.00	-0.01	-0.09	-0.03	-0.06
HGPPB	0.16	1.00	0.00	-0.02	0.08	-0.02	0.04	-0.02	0.21	0.07	0.01	-0.08	0.12	0.04	0.08	0.01	-0.06	0.28	0.01	0.06	0.17	-0.02	-0.05	0.17	-0.01	0.01	0.02	-0.00	-0.10	0.00	-0.02	0.09	-0.00	0.07
ALPCT	-0.09	0.00	1.00	-0.16	0.26	0.16	0.01	0.09	0.53	0.04	0.54	-0.13	0.56	0.71	0.47	-0.03	-0.20	0.03	0.72	0.17	-0.05	0.33	-0.14	0.38	-0.19	0.14	0.47	0.64	0.52	0.00	-0.05	0.84	0.24	0.62
AGPPB	-0.08	-0.02	-0.16	1.00	0.10	-0.01	-0.02	0.15	-0.07	-0.05	0.14	0.10	-0.01	0.01	0.22	0.09	0.03	0.05	-0.03	0.02	-0.25	-0.03	0.21	-0.09	0.25	0.05	0.10	-0.12	-0.08	0.00	0.03	-0.13	-0.14	-0.15
ASPPB	-0.01	0.08	0.26	0.10	1.00	-0.02	0.16	0.02	0.20	-0.12	0.21	-0.02	0.17	0.31	0.27	0.01	-0.14	0.16	0.24	0.12	-0.04	0.10	0.02	0.10	0.08	0.20	0.25	0.14	0.20	0.00	-0.04	0.27	0.06	0.15
BAPFB	-0.03	-0.02	0.16	-0.01	-0.02	1.00	0.06	0.01	0.04	0.08	-0.04	-0.21	0.04	0.01	0.08	0.03	0.25	0.13	-0.01	-0.08	0.05	-0.01	-0.20	-0.08	0.00	0.05	-0.03	0.41	-0.02	0.00	-0.02	0.08	0.03	0.02
BEPPB	-0.02	0.04	0.01	-0.02	0.16	0.06	1.00	-0.00	0.09	-0.01	0.13	0.01	0.03	0.13	0.09	-0.08	0.08	0.28	0.07	0.24	0.00	0.01	0.00	0.08	0.04	-0.09	0.13	-0.01	0.03	0.00	-0.02	0.09	0.22	0.10
BIPPB	-0.04	-0.02	0.09	0.15	0.02	0.01	-0.00	1.00	0.10	0.06	0.15	-0.01	0.12	0.01	0.24	-0.07	0.03	-0.03	0.09	-0.02	-0.07	0.04	0.08	0.03	0.06	-0.01	0.08	0.06	-0.01	0.00	-0.01	0.03	0.15	0.02
CAPCT	0.05	0.21	0.53	-0.07	0.20	0.04	0.09	0.10	1.00	0.08	0.31	-0.12	0.62	0.41	0.40	-0.01	-0.07	0.21	0.64	0.18	-0.02	0.54	-0.20	0.12	-0.16	0.09	0.55	0.68	0.29	0.00	-0.05	0.61	0.15	0.15
COPPB	-0.02	0.07	0.04	-0.05	-0.12	0.08	-0.01	0.06	0.08	1.00	0.02	-0.04	0.05	0.01	-0.01	-0.01	0.00	0.03	0.02	0.01	0.19	-0.03	-0.02	0.10	-0.06	-0.04	0.00	0.05	-0.06	0.00	-0.01	0.07	0.04	0.08
COXPP	-0.12	0.01	0.54	0.14	0.21	-0.04	0.13	0.15	0.21	0.02	1.00	0.31	0.63	0.82	0.31	0.04	-0.16	0.18	0.74	0.53	-0.01	0.24	0.50	0.36	-0.07	0.14	0.75	0.26	0.22	0.00	-0.07	0.57	0.25	0.46
CPXPP	-0.01	-0.08	-0.13	0.10	-0.02	-0.21	0.01	-0.01	-0.12	-0.04	0.31	1.00	0.20	0.10	-0.12	0.08	-0.00	0.04	0.12	0.06	0.08	0.17	0.73	-0.14	-0.03	-0.02	0.27	-0.21	-0.08	0.00	-0.02	-0.11	0.04	-0.07
CUXPP	-0.02	0.12	0.56	-0.01	0.17	0.04	0.03	0.12	0.62	0.05	0.63	0.20	1.00	0.58	0.29	-0.00	-0.11	0.25	0.76	0.20	0.03	0.45	0.28	0.09	-0.15	0.13	0.77	0.50	0.08	0.00	-0.06	0.58	0.15	0.17
FEPCF	-0.11	0.04	0.71	0.01	0.21	0.01	0.13	0.01	0.41	0.01	0.82	0.10	0.58	1.00	0.35	-0.01	-0.25	0.24	0.77	0.49	-0.06	0.25	0.17	0.41	-0.17	0.13	0.76	0.42	0.44	0.00	-0.10	0.79	0.18	0.61
SAPFB	-0.01	0.08	0.47	0.22	0.27	0.08	0.09	0.24	0.40	-0.01	0.31	-0.12	0.29	0.35	1.00	0.01	-0.15	0.11	0.40	0.07	-0.08	0.20	-0.13	0.17	0.02	0.22	0.30	0.39	0.28	0.00	-0.03	0.46	0.16	0.26
HGPPB	-0.07	0.01	-0.03	0.09	0.01	0.03	-0.08	-0.07	-0.01	-0.01	0.04	0.08	-0.00	-0.01	0.01	1.00	0.13	0.09	0.01	-0.03	-0.03	0.03	0.09	-0.02	0.09	0.06	0.01	-0.01	-0.09	0.00	-0.02	-0.05	0.03	-0.05
KPCT	-0.05	-0.06	-0.30	0.03	-0.14	0.25	0.08	0.03	-0.07	0.00	-0.16	-0.00	-0.11	-0.25	-0.15	0.13	1.00	0.21	-0.19	-0.04	0.04	0.05	-0.05	-0.27	0.12	-0.09	-0.01	-0.04	-0.22	0.00	0.05	-0.32	-0.07	-0.30
LAPFB	-0.06	0.20	0.05	0.05	0.16	0.13	0.24	-0.03	0.31	0.03	0.18	0.04	0.25	0.24	0.11	0.00	0.21	1.00	0.26	0.24	0.01	0.24	-0.05	-0.07	0.04	0.03	0.41	0.23	0.05	0.00	-0.10	0.17	-0.06	-0.02
MGPPB	-0.06	0.01	0.72	-0.03	0.24	-0.01	0.07	0.09	0.64	0.02	0.74	0.12	0.76	0.77	0.40	0.01	-0.19	0.16	1.00	0.33	-0.04	0.47	0.17	0.24	-0.16	0.16	0.77	0.59	0.29	0.00	-0.08	0.73	0.21	0.39
NAFCF	-0.02	0.06	0.17	0.02	0.12	-0.08	0.24	-0.02	0.18	0.01	0.53	0.06	0.20	0.49	0.07	-0.03	-0.04	0.24	0.33	1.00	0.03	0.11	0.15	0.48	-0.00	-0.02	0.40	0.03	0.18	0.00	-0.07	0.38	0.18	0.49
NIFFB	0.06	0.17	-0.05	-0.25	-0.04	0.05	0.00	-0.07	-0.02	0.19	-0.01	0.08	0.03	-0.06	-0.08	-0.03	0.04	0.01	-0.04	0.03	1.00	-0.02	0.10	0.08	-0.04	0.03	-0.05	-0.02	-0.24	0.00	-0.02	-0.05	0.08	0.06
NAFCF	-0.02	-0.02	0.33	-0.03	0.10	-0.01	0.01	0.04	0.54	-0.03	0.24	0.17	0.45	0.25	0.20	0.03	0.05	0.24	0.47	0.11	-0.02	1.00	-0.02	-0.12	-0.12	0.09	0.43	0.52	0.30	0.00	-0.02	0.32	0.09	-0.01
NIFFB	-0.03	-0.02	-0.14	0.21	0.02	-0.20	0.00	0.08	-0.20	-0.02	0.50	0.73	0.28	0.17	-0.12	0.09	-0.05	-0.05	0.17	0.15	0.10	-0.02	1.00	-0.02	0.01	0.02	0.33	-0.30	-0.24	0.00	-0.04	-0.16	0.10	-0.02
PPFB	0.01	0.17	0.38	-0.09	0.10	-0.08	0.08	0.03	0.12	0.10	0.36	-0.14	0.09	0.41	0.17	-0.02	-0.27	-0.07	0.24	0.48	0.08	-0.12	-0.02	1.00	-0.10	0.01	0.08	0.02	0.15	0.00	-0.06	0.37	0.18	0.76
PPXPP	-0.04	-0.01	-0.19	0.25	0.08	0.00	0.04	0.06	-0.16	-0.06	-0.07	-0.03	-0.15	-0.17	0.02	0.09	0.12	0.04	-0.16	-0.00	-0.04	-0.12	0.01	-0.10	1.00	-0.01	-0.14	-0.19	-0.12	0.00	-0.03	-0.20	-0.02	-0.14
SEPPB	0.03	0.01	0.14	0.05	0.20	0.05	-0.09	-0.01	0.09	-0.04	0.14	-0.02	0.13	0.13	0.22	0.06	-0.09	0.03	0.16	-0.02	0.03	0.09	0.02	0.01	-0.01	1.00	0.11	0.12	0.02	0.00	-0.01	0.12	0.08	0.04
SCPPB	-0.06	0.02	0.47	0.10	0.25	-0.03	0.13	0.08	0.55	0.00	0.75	0.27	0.77	0.76	0.30	0.01	-0.01	0.41	0.77	0.40	-0.05	0.43	0.33	0.08	-0.14	0.11	1.00	0.45	0.21	0.00	-0.07	0.58	0.16	0.22
SOXPP	-0.05	-0.00	0.64	-0.12	0.14	0.41	-0.01	0.06	0.68	0.05	0.26	-0.21	0.50	0.42	0.39	-0.01	-0.04	0.23	0.59	0.02	-0.02	0.52	-0.30	0.02	-0.19	0.12	0.45	1.00	0.33	0.00	-0.04	0.62	0.17	0.28
TIPCT	-0.15	-0.10	0.52	-0.06	0.20	-0.02	0.03	-0.01	0.29	-0.06	0.22	-0.08	0.08	0.44	0.28	-0.09	-0.22	0.15	0.39	0.18	-0.24	0.30	-0.24	0.15	-0.12	0.02	0.21	0.33	1.00	0.00	-0.05	0.54	0.06	0.41
TLPPB	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
UPFB	-0.01	-0.02	-0.05	0.02	-0.04	-0.02	-0.02	-0.01	-0.05	-0.01	-0.07	-0.02	-0.06	-0.10	-0.03	-0.02	0.05	-0.13	-0.08	-0.07	-0.02	-0.02	-0.04	-0.06	-0.03	-0.01	-0.07	-0.04	-0.05	0.00	1.00	-0.08	-0.01	-0.06
UPXPP	-0.09	0.09	0.84	-0.13	0.27	0.08	0.09	0.03	0.61	0.03	0.57	-0.11	0.59	0.79	0.46	-0.05	-0.32	0.12	0.73	0.30	-0.05	0.32	-0.16	0.37	-0.20	0.12	0.58	0.62	0.54	0.00	-0.08	1.00	0.21	0.59
WPPB	-0.02	-0.00	0.24	-0.14	0.06	0.03	0.22	0.15	0.15	0.04	0.25	0.04	0.19	0.18	0.16	0.03	-0.07	-0.06	0.21	0.10	0.08	0.09	0.10	0.18	-0.02	0.08	0.16	0.12	0.06	0.00	-0.01	0.21	1.00	0.18
ZMPPB	-0.06	0.07	0.62	-0.15	0.15	0.02	0.10	0.02	0.15	0.08	0.46	-0.07	0.17	0.61	0.26	-0.05	-0.30	-0.02	0.39	0.49	0.06	-0.01	-0.02	0.76	-0.14	0.04								

APPENDIX E
PETROGRAPHIC REPORTS



Vancouver Petrographics Ltd.

JAMES VINNELL, Manager
JOHN G. PAYNE, Ph.D. Geologist
A.L. LITTLEJOHN, M.Sc. Geologist
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Report for: Faiz Yacoub,
Ashworth Explorations Ltd.,
744 West Hastings St.,
Vancouver, B.C.
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Invoice 7687

October 20th, 1988

Samples:

10 rock samples, numbered 1 - 10, for thin sectioning and petrographic examination.

Summary:

a) Basalts: This is the commonest rock type in the suite. Samples 3, 7 and 10 are holocrystalline, though #7 is minutely fine-grained. #10 has a meshwork texture and is the coarsest grained of the basaltic rocks (though only slightly more so than #3); it may be a diabase.

Samples 2 and 5 are very fine-grained, and include a considerable proportion of residual glass in the groundmass.

These rocks (except for #5) are sparsely microporphyrific. #5 is non-porphyrific and has some tiny amygdules.

The basalts are generally fresh throughout. Samples 2, 3 and 5 may be of somewhat potassic composition.

b) Other volcanics:

Sample 1 is a weakly porphyritic felsic rock of latite-rhyolite composition. It is fresh.

Sample 9 is a distinctly porphyritic, amygdaloidal andesite with a somewhat potassic groundmass. It is fresh.

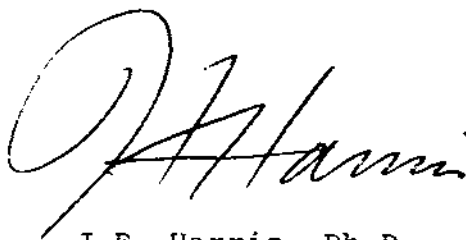
Sample 6 is largely glassy and of uncertain, patchily potassic composition. It may be a vitric tuff.

c) Volcaniclastics:

Sample 4 is a lithic arenite of angular felsitic clasts and lesser quartz, feldspar and mafic mineral grains.

Sample 8 is a fine-grained, quartz-free volcaniclastic or tuff, composed of plagioclase and minor mafic crystals, with a matrix of brownish altered glass fragments.

Individual petrographic descriptions are attached.

A handwritten signature in cursive script, appearing to read 'J.F. Harris', written in black ink.

J.F. Harris Ph.D.

(phone: 929-5867)

Sample 1**LATITE**

Estimated mode

Quartz	8
Sanidine phenocrysts	8
Potassic groundmass	84
Opagues	trace

This is a homogenous, fine-grained, leucocratic felsic volcanic of simple mineralogy.

It consists predominantly of a feathery/felsitic aggregate composed largely of feldspar. This exhibits a texture typical of rapid crystallization and/or devitrification of a near-glassy matrix. A diffuse, equigranular fabric, on the scale 50 - 100 microns, is overlain by minutely microlitic crystallization, yielding an overall sub-trachytic texture.

Scattered, small grains and grain clumps within the predominantly feldspathic groundmass are clearly of quartz.

The rock is sparsely porphyritic and contains small, randomly oriented, subhedral-euhedral phenocrysts of sanidine, 0.2 - 1.5mm in size.

The only other constituents are sparsely disseminated, minute granules and euhedra of opaques (pyrite?) 10 - 100 microns in size.

This rock has a relatively low content of free quartz (and no quartz phenocrysts) Judging from the moderately strong overall cobaltinitrite stain developed on the cut-off block, the groundmass is composed of an intimate mixture of K-feldspar and lesser plagioclase. The rock is therefore best classified as a latite though close to the compositional boundary with rhyolite.

Sample 2**BASALT**

Estimated mode

Plagioclase	30
Pyroxene	21
Interstitial glass	40
Opagues	5
Carbonate	4

This is a sparsely porphyritic volcanic of basaltic aspect

It is composed predominantly of a sub-trachytic groundmass of plagioclase laths and tiny blocky grains of pyroxene, 20 - 100 microns in size, with interstitial brownish feldspathic glass. Equant euhedral opaques (probably mostly oxides) 10 - 50 microns in size, are a notably abundant, evenly disseminated component.

The rock contains occasional small blocky euhedral phenocrysts of feldspar, 0.2mm - 1.5mm in size. This is probably plagioclase, though has more the form of sanidine - of which it could be a sodic variety. Its actual identity is obscured by the prevalence of mottled, sub-opaque inclusions - possibly of altered groundmass glass. Rare tiny phenocrysts of pyroxene are also seen.

Diffuse, irregular patches of carbonate are sporadically developed in the groundmass, and marginal to the feldspar phenocrysts

Both phenocrysts and groundmass are essentially fresh.

The rock takes a faint positive cobaltinitrite stain, and appears to be a somewhat potassic basalt flow.

Sample 3**BASALT**

Estimated mode

Plagioclase	76
Pyroxene	20
Opagues	4
Carbonate	trace

This is a rock of very similar type to Sample 2, except for being holocrystalline and slightly coarser.

It consists predominantly of a sub-trachytic aggregate of fresh plagioclase laths, 0.05 - 0.2mm in length, with interstitial granules of pyroxene and opaques, 20 - 50 microns in size.

This groundmass shows streaky, local orientation of the constituent plagioclase laths and slight variations in grain size. These probably represent incipient flow features.

The rock contains rare, blocky, euhedral phenocrysts of plagioclase, 0.3 - 1.2mm in size. These are identical in appearance to those in Sample 2, being poorly twinned and having abundant, emulsion-textured, sub-opaque inclusions.

Carbonate occurs as rare, tiny pockets, sometimes of amygdaloidal aspect.

Like the majority of basaltic rocks of the suite, the cut-off block exhibits a weak overall positive cobaltinitrite stain, indicating a slightly potassic feldspar composition.

Sample 4**LITHIC ARENITE**

Estimated mode

Quartz	7
Plagioclase	13
Biotite	2
Hornblende	1
Chlorite	trace
Epidote	trace
Opagues	trace
Felsitic lithic clasts	77

This rock is composed of a close-packed aggregate of angular to sub-angular clasts, 0.1 - 3.0mm in size.

The majority of these are lithic fragments, of various minutely fine-grained, glassy, feathery-textured microlitic or felsitic rocks of andesitic aspect. As can be seen from the stained cut-off chip, a proportion of these are of quite strongly potassic (trachy-andesite) composition.

Other lithic types, represented in much lesser abundance, are granular quartz aggregates of uncertain origin (quartzite? chert? vein quartz?), and coarse-grained plagioclase and quartz-plagioclase aggregates of dioritic aspect.

Disaggregated mineral grains - mainly plagioclase, but including some quartz, biotite, hornblende and epidote - make up a fine sandy component which fills the interstices between the coarser clasts.

There is no clay-sized chloritic or sericitic matrix (as would be present in a wacke), and the rock is most properly classified as an arenite.

Sample 5**BASALT**

Estimated mode

Plagioclase	30
Glass	38
Pyroxene	18
Mineral X	8
Carbonate	2
Epidote(?)	1
Opagues	3

This is another variant of the somewhat potassic basaltic rocks of the suite. It is a particularly fine-grained form, with a high content of glass.

A homogenous meshwork fabric of plagioclase microlites, 20 - 100 microns in size, is developed in an interstitial matrix of turbid, brownish dusty glass. Tiny, prismatic pyroxenes and equant granules of opaques are the other constituents.

An additional component is a pale brown high relief, low R.I , isotropic material which occurs as diffuse wisps and patches in the groundmass. This may be opal or a form of segregated, altered glass.

The rock is essentially non-porphyritic, but contains relatively numerous tiny amygdules (0.1 - 0.5mm) filled with carbonate or a high-relief, yellowish radiate mineral (epidote?). The latter type of amygdale is strikingly spheroidal/radiate in form, and sometimes has cores of chalcedony.

The slide includes one small xenolith of slightly coarser-grained basalt.

Sample 6**GLASSY VOLCANIC (TUFP?)**

Estimated mode

Glass	73
Feldspars	15
Chlorite	10
Rutile)	2
Leucoxene)	
Chalcedony(?)	trace

This is a non-porphyrific volcanic of largely glassy composition.

It is made up of a pelley/cellular aggregate of compact, greenish-brown non-vesicular glass

Some of the pelley forms show the development of tiny, lath-like feldspars in a greenish chloritic matrix (i.e. incipient crystallization of the glass). Flecks, granules and skeletal grains of rutile/leucoxene are a common dispersed minor component.

The glass show subtly varying degrees of incipient devitrification throughout. This may correlate with the diffuse pattern of more K-rich segregations recognizable in the stained cut-off block.

Occasional discontinuous veinlets and diffuse patches of microgranular material are thought to be chalcedony.

The composition of this rock can only be determined by chemical analysis. It lacks the content of fine-grained opaques seen in those members of the suite classified as basalts, and is texturally distinctive. The pelley fabric may, in fact represent an agglomeration of small vitric particles i.e. it may have tuffaceous affinities.

Sample 7**BASALT**

Estimated mode

Plagioclase	64
Pyroxene	28
Rutile)	8
Opagues)	

This is another aphanitic volcanic, of similar general type to most of the rest of the suite.

Though minutely fine-grained, it is found, under the microscope, to be holocrystalline, and to consist of a tight, meshwork aggregate, of grain size 5 -20 microns, composed of plagioclase microlites and pyroxene granules. Tiny equant grains of rutile and/or opaques are densely and evenly disseminated through this aggregate.

Slightly coarser plagioclase laths (to 0.2mm in length) occur, sparsely disseminated, in random orientation. Very rare, euhedral micro-phenocrysts of fresh clino-pyroxene and labradorite, to 1.0mm in size, are seen.

The rock is texturally homogenous and notably fresh. Judging from the almost non-existent cobaltinitrite stain on the cut-off block, it is somewhat less potassic in overall composition than other similar rocks of the suite.

Sample 8**VOLCANIC WACKE**

Estimated mode

Plagioclase	45
Brown matrix)	
Altered glassy clasts)	42
Pyroxene	5
Hornblende	2
Biotite	1
Rutile)	
Leucoxene)	4
Zeolite)	
Gypsum)	1

This sample has the characteristic texture of a fine-grained volcanoclastic.

It is made up of a rather even-grained aggregate of angular particles, of grain size 30 - 100 microns. These consist of crystal clasts of somewhat turbid plagioclase and minor pyroxene, hornblende and biotite, and apparent lithic clasts of a brown, biotitic/chloritic material - possibly altered glass. The latter material also forms a diffuse interstitial matrix or cement to the crystal clasts. Wisps and granules of sub-opaque rutile and leucoxene are abundant throughout

The rock shows perceptible layered character. There is an incipient preferred elongation of some of the constituent clasts and crudely banded intercalations of coarser grain size - incorporating crystals and lithic clasts up to 0.5mm. Rare, elongate, fine-grained lithic clasts of brownish, altered tuff(?) are also seen.

It appears to be quartz-free and is probably of andesitic or basaltic composition.

The rock is cut by a few ramifying, sub-parallel veinlets composed of a cloudy low-birefringent material thought to be gypsum or a zeolite.

Sample 9**PORPHYRITIC ANDESITE**

Estimated mode		
Phenocrysts		
Plagioclase		22
Pyroxene		4
Amygdules		
Quartz		7
Groundmass		
Feldspar		58
Secondary biotite(?)		6
Opagues)		3
Rutile)		

This is a volcanic of distinctive textural type compared to the rest of the suite.

It is distinctly porphyritic, coarser-grained and of somewhat less mafic composition than most of the other volcanics.

About 25% of the rock consists of phenocrysts. These are mainly of euhedral-subhedral plagioclase (fresh andesine-labradorite), ranging in size from 0.2 - 1.5mm. A minor proportion of generally smaller (0.2 - 0.5mm) phenocrysts of fresh clino-pyroxene are also present - sometimes clumped with plagioclase.

The groundmass is a sub-trachytic aggregate of locally oriented laths of fresh plagioclase, to 0.1mm in size. The weak cobaltinitrite stain suggests a slightly potassic groundmass composition.

Accessory groundmass constituents are interstitial flecks and wisps of a brownish mineral - probably secondary biotite or amphibole, after original mafics; and tiny equant granules of evenly disseminated rutile and opaques, 5 - 20 microns in size.

Irregular elongate and branching amygdules, 0.1 - 2.0mm in size, are prominent. They are filled by coarse mosaics of feathery radiate/textured quartz.

The rock is notably fresh throughout.

Sample 10**DIABASE**

Estimated mode	
Phenocrysts	
Plagioclase	2
Pyroxene	2
Altered mafic	4
Groundmass	
Plagioclase	69
Pyroxene	20
Rutile)	2
Opagues)	
Limonite)	1
Altered glass)	

This is a typical, holocrystalline, weakly porphyritic diabase.

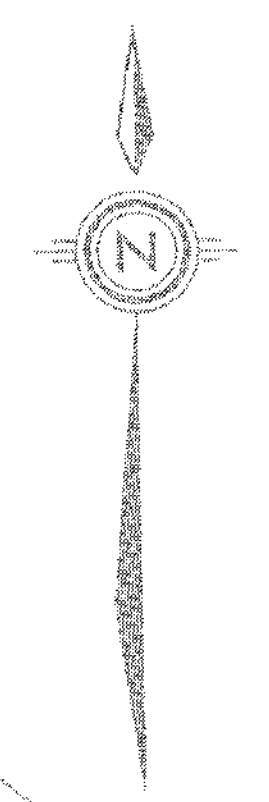
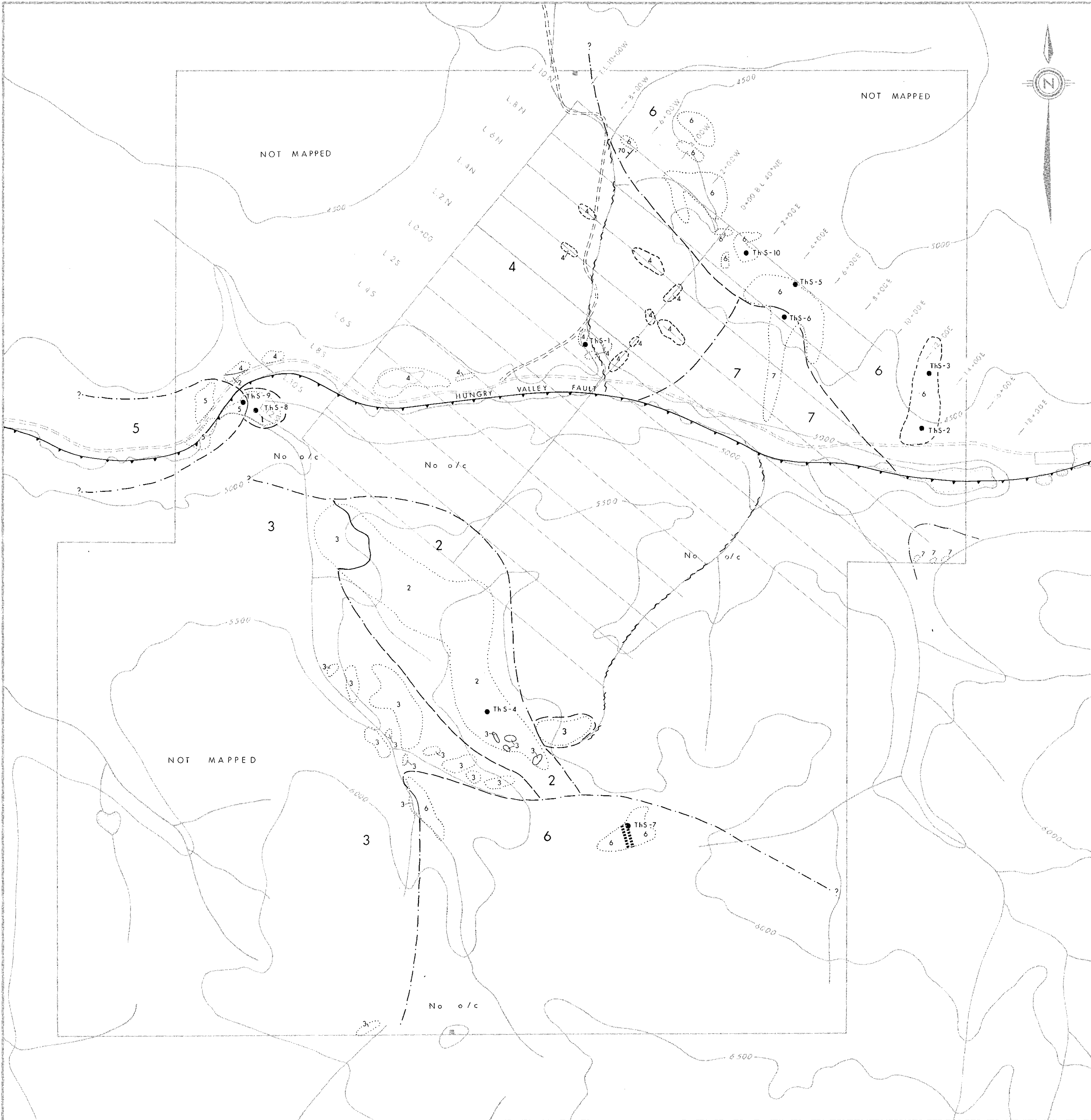
The phenocrysts are of two kinds. One consists of fresh, euhedral clinopyroxene, 0.2 - 0.7mm in size. The other consists of brownish-green secondary material (limonite/chlorite?), sometimes intergrown with carbonate and cherty quartz in various proportions. These totally altered phenocrysts range up to 2.0mm in size and show sub-prismatic form, sometimes with a relict cleavage and/or a cellular texture. They may represent original olivine or amphibole.

The groundmass is a homogenous, meshwork-textured aggregate of strikingly fresh plagioclase laths, mostly in the size range 0.05 - 0.3mm, with interstitial granules and small prisms of pyroxene and minor, tiny, equant opaques. A minor proportion of diffuse, brown, interstitial material is also present; this may be limonite or altered residual glass.

A few gradationally coarser plagioclase prisms, up to 0.5 or 0.6mm in size, occur scattered through the groundmass; these possibly qualify as phenocrysts.

Very rare, small, irregular amygdules are seen, filled by red-brown, translucent material (sideromelane?) or probable zeolites.

This rock has a significantly coarser groundmass than the basalts of the suite, and has more the aspect of a diabase. Field relationships may indicate whether it is a dyke or a flow.



GEOLOGY

- TERTIARY**
LATER INTRUSIONS
 ▬▬▬▬ Aphanitic pyroxene basalt dyke
- VOLCANIC ROCKS OF PROBABLE EOCENE AGE**
- 7 Tuffaceous volcanic glass
 - 6 Pyroxene basalt
 - 5 Andesite
 - 4 Latite - rhyolite
- EARLY CRETACEOUS**
- 3 Conglomerate
 - 2 Siltstone
 - 1 Greenstone

SYMBOLS

- Geological contact (defined, approx., assumed)
- ▬▬▬▬ Thrust fault
- ~ ~ ~ ~ Fault (defined, approx., assumed)
- Area of subcrop
- Area of out
- Strike and dip
- Thin section sample location
- ▬ Legal Corner Post
- ┌ Claim boundary (approximate)
- L.8N Grid line with soil sample locations
- Creek
- Lake
- 5000 Topographic contour (interval 500 feet)

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ASSESSMENT REPORT
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 P. D. LERICHE
 FELLOW



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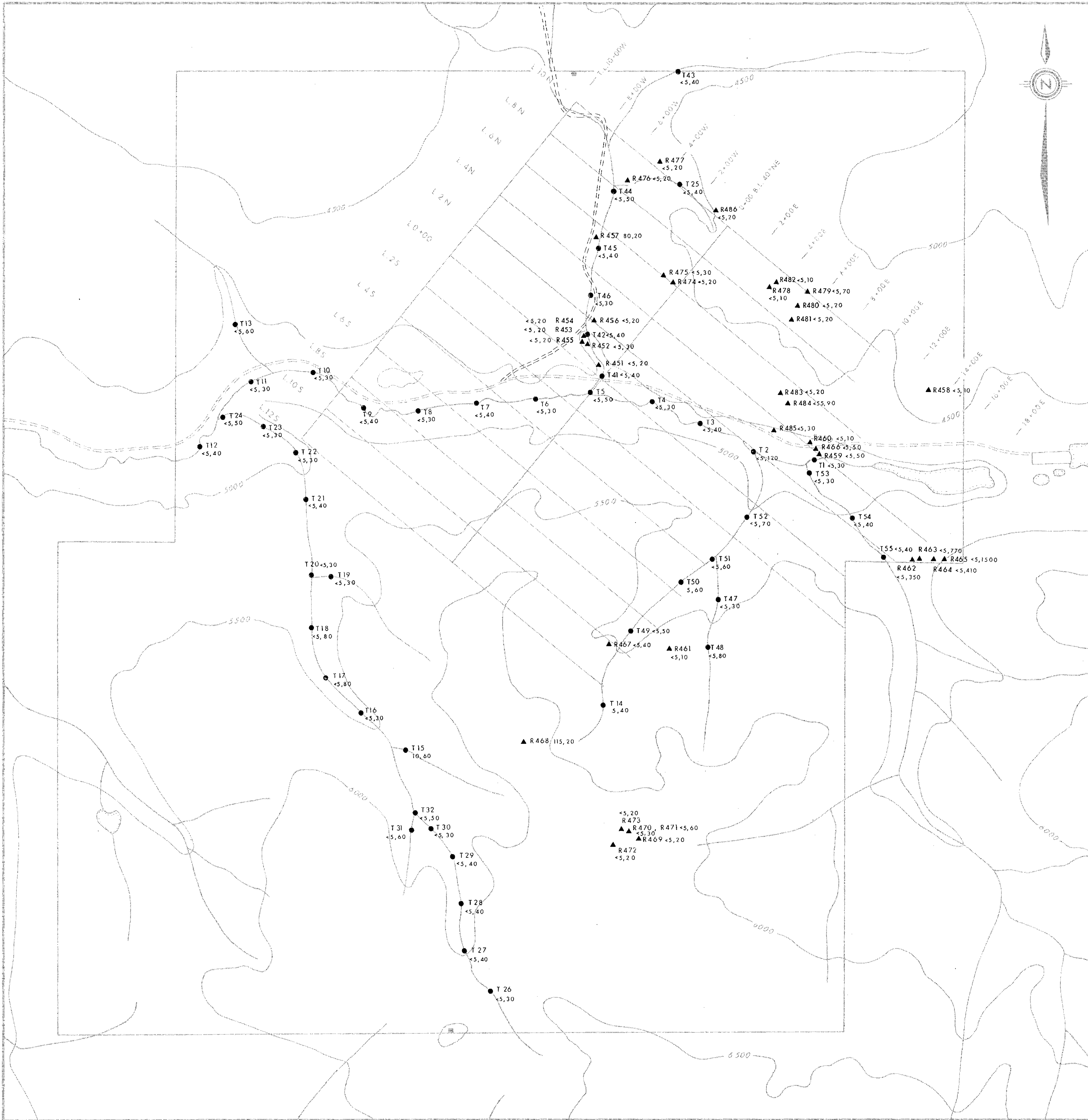
LEXINGTON RESOURCES LTD.
ISKUT GOLD CORP.

STRYKER GROUP
 CLINTON M.D., B.C.

GEOLOGY MAP

Scale: 1:10000	By: F.Y.	Drawn: J.S.
Date: OCTOBER 1988	Fig. No.: 4	

Ashworth Explorations Limited



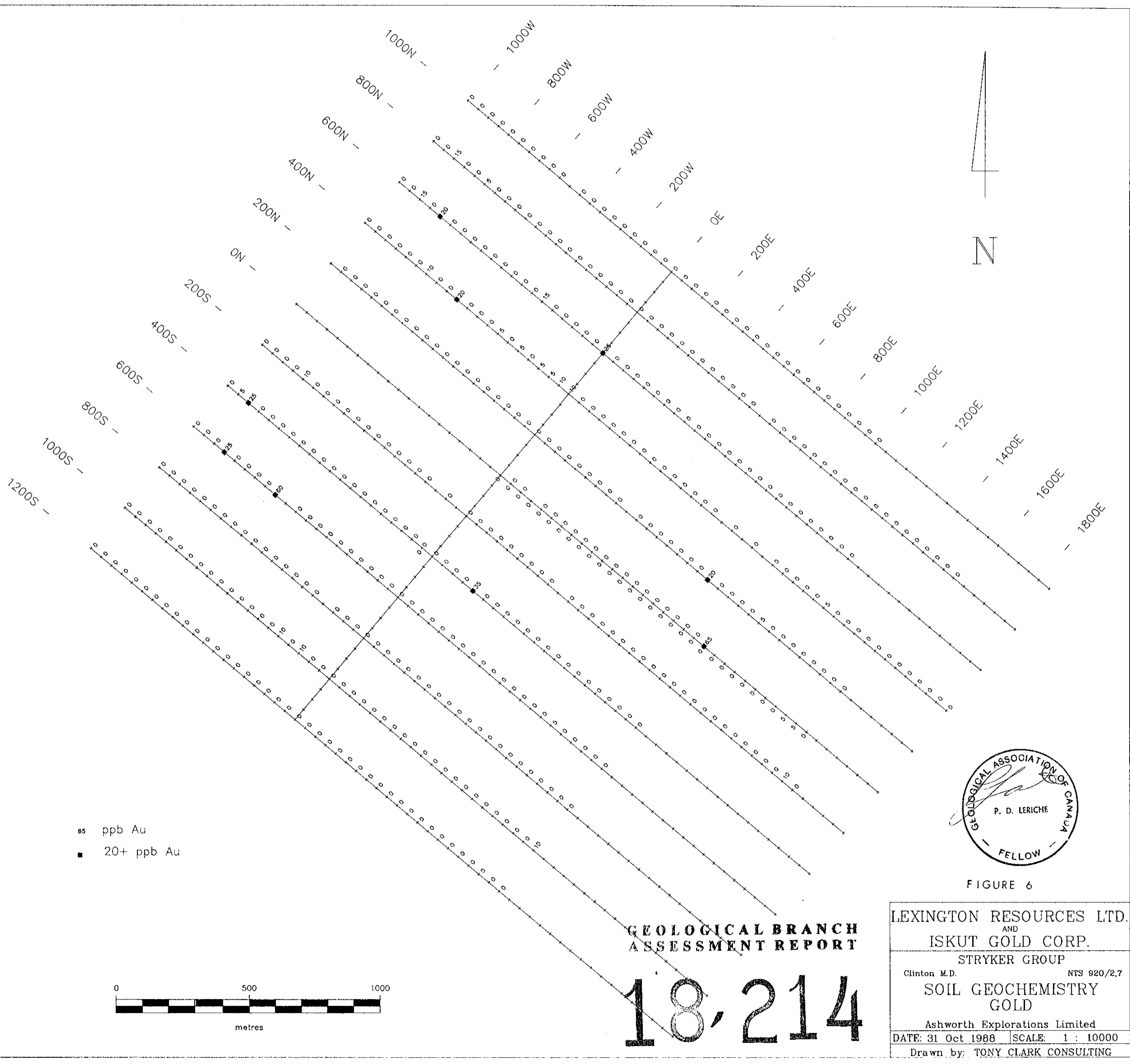
- LEGEND**
- Stream sediment sample location and number, Au(ppb), Hg(ppb)
 - ▲ Rock sample location and number, Au(ppb), Hg(ppb)
 - Legal Corner Post
 - Claim boundary (approximate)
 - Grid line with soil sample locations
 - Creek
 - Lake
 - 500 Topographic contour (interval 500 feet)

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ASSESSMENT REPORT
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LEXINGTON RESOURCES LTD. ISKUT GOLD CORP.		
STRYKER GROUP CLINTON, M.D., B.C.		
ROCK AND STREAM SEDIMENT GEOCHEMISTRY MAP		
Scale 1" = 10,000'	By: P.Y.	Drawn: J.S.
Date: OCTOBER 1988	Fig. No.: 5	
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○ 0-19 ppb Au
 ■ 20+ ppb Au



FIGURE 6

**GEOLOGICAL BRANCH
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STRYKER GROUP	
Clinton M.D.	NTS 920/2,7
SOIL GEOCHEMISTRY GOLD	
Ashworth Explorations Limited	
DATE: 31 Oct 1988	SCALE: 1 : 10000
Drawn by: TONY CLARK CONSULTING	

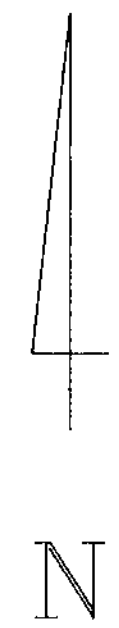
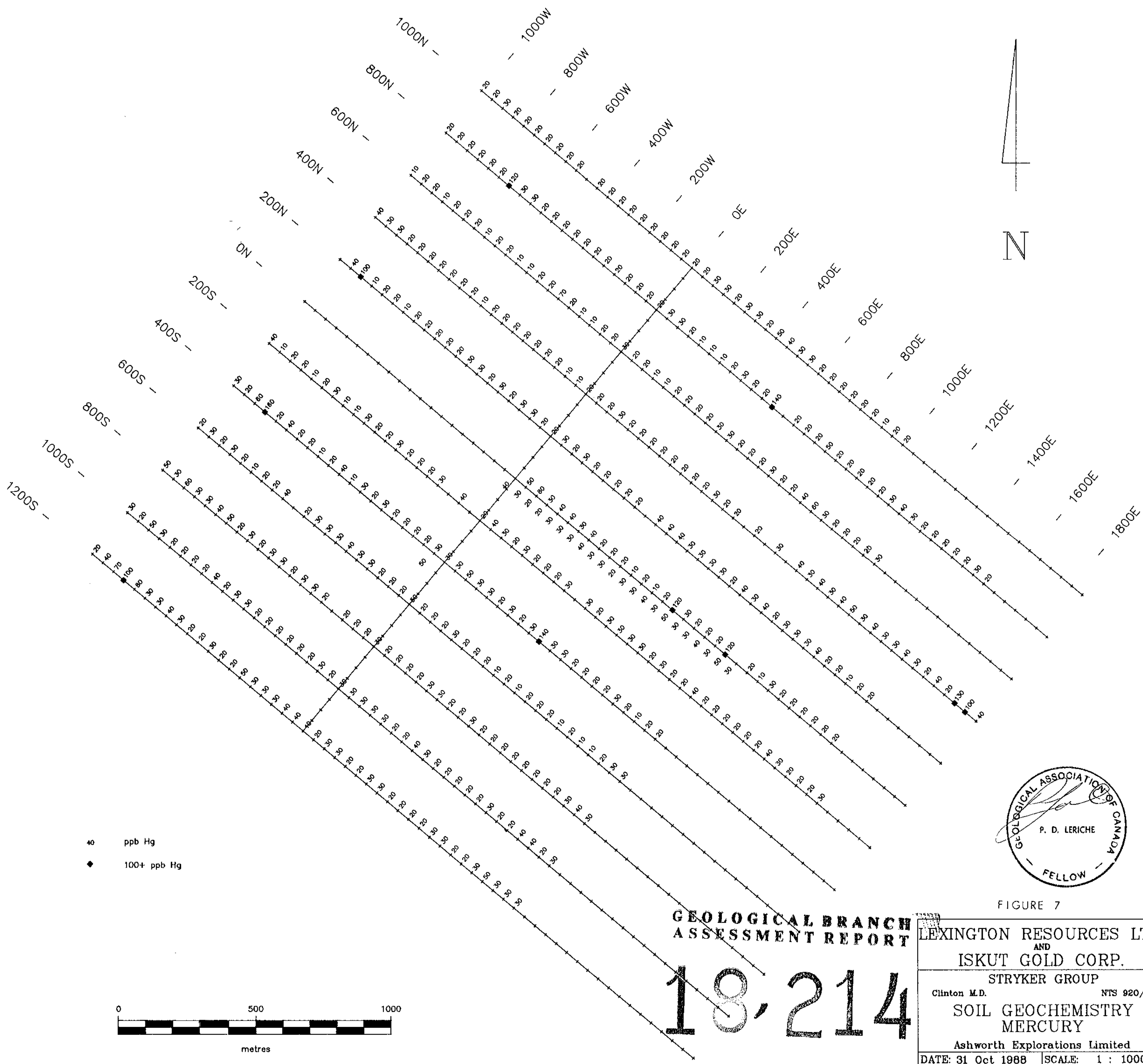
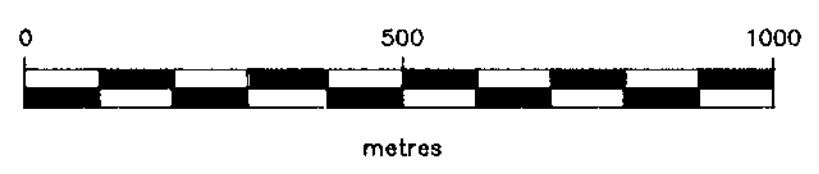


FIGURE 7

40 ppb Hg
 ◆ 100+ ppb Hg



**GEOLOGICAL BRANCH
 ASSESSMENT REPORT**

18,214

LEXINGTON RESOURCES LTD.	
AND	
ISKUT GOLD CORP.	
STRYKER GROUP	
Clinton M.D.	NTS 920/2,7
SOIL GEOCHEMISTRY	
MERCURY	
Ashworth Explorations Limited	
DATE: 31 Oct 1988	SCALE: 1 : 10000
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