ASSESSMENT REPORT
ON
GEOCHEMICAL WORK
ON THE FOLLOWING CLAIMS

Tenure # 508232
Tenure # 508233



**Silver Mountain Property**

STATEMENT OF WORK #5010314

Located

6 KM SOUTHEAST OF
STEWART, BRITISH COLUMBIA
SKEENA MINING DIVISION

55 degrees 54 minutes latitude
129 degrees 55 minutes longitude

NTS 103P13/104A04

PROJECT PERIOD: July 10 to October 5, 2011

ON BEHALF OF
TEUTON RESOURCES CORP.
VANCOUVER, B.C.

REPORT BY

D. Cremonese, P. Eng.
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Victoria, B.C.
V8R 1G1

Date: December 21, 2011

## TABLE OF CONTENTS

# 1. INTRODUCTION

## A. Property, Location, Access and Physiography

The property is located about 6 km south-southeast of Stewart, British Columbia. Access is by helicopter from the Mustang Helicopter base, next to the Bear River and the Stewart airstrip.

Topography can be characterized as rugged in most parts of the property, becoming more moderate around the edges of the icefield that blankets the tableland atop Mt. Rainey.

Vegetation in the area is quite sparse, with much of the area featuring barren rock or glacial debris. In places, along small plateaus for instance, scrub hemlock and balsam occur in patches, interspersed with shrubs, mountain grasses and heather. Lower elevations support a modest forest of balsam and hemlock.

Climate is severe during the winter months with abundant snowfall. Depending upon local weather conditions, ground comes open for fieldwork generally from early July onward.

## B. Status of Property

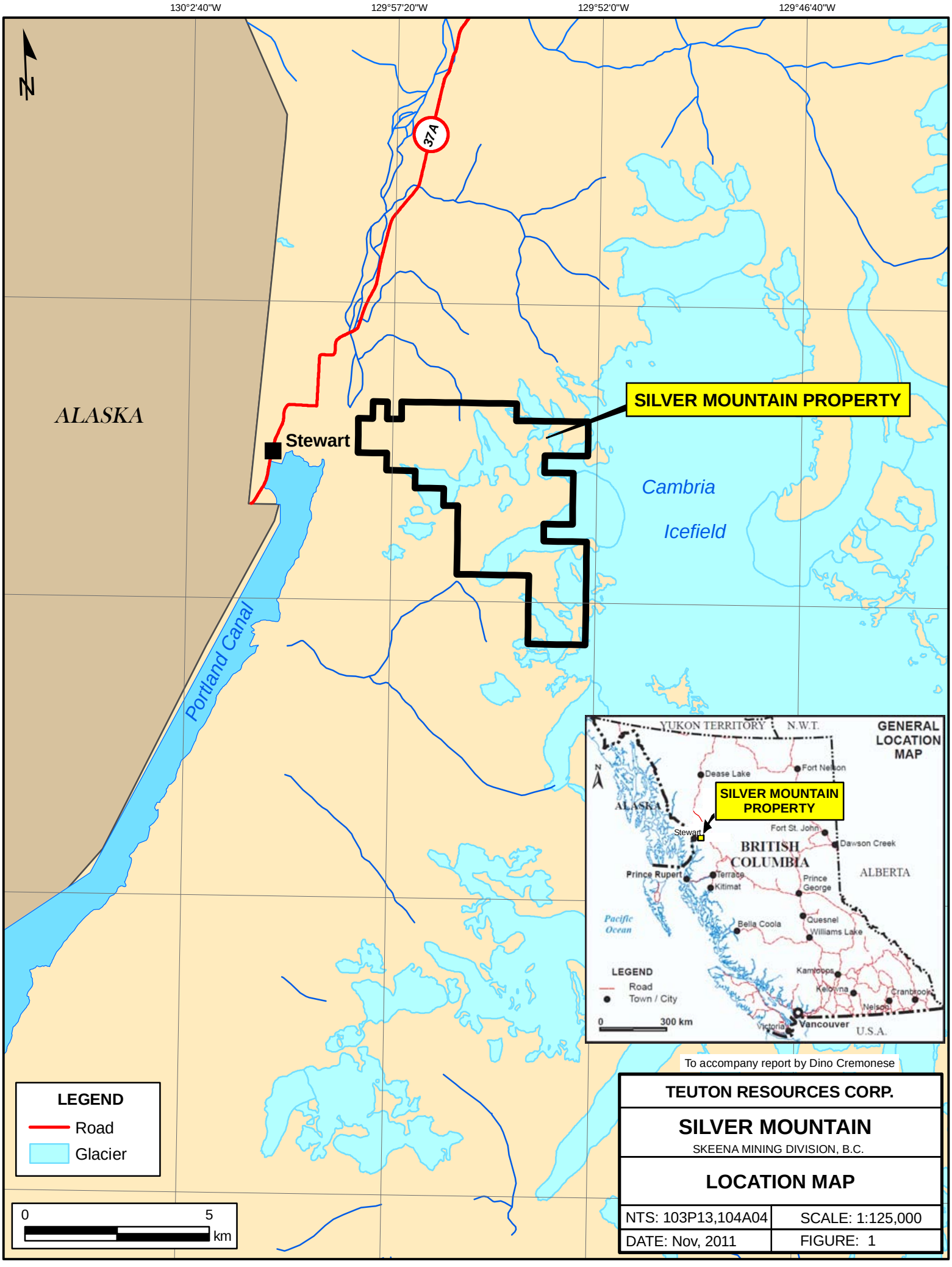
The Silver Mountain property is comprised of seven claims as summarized below:

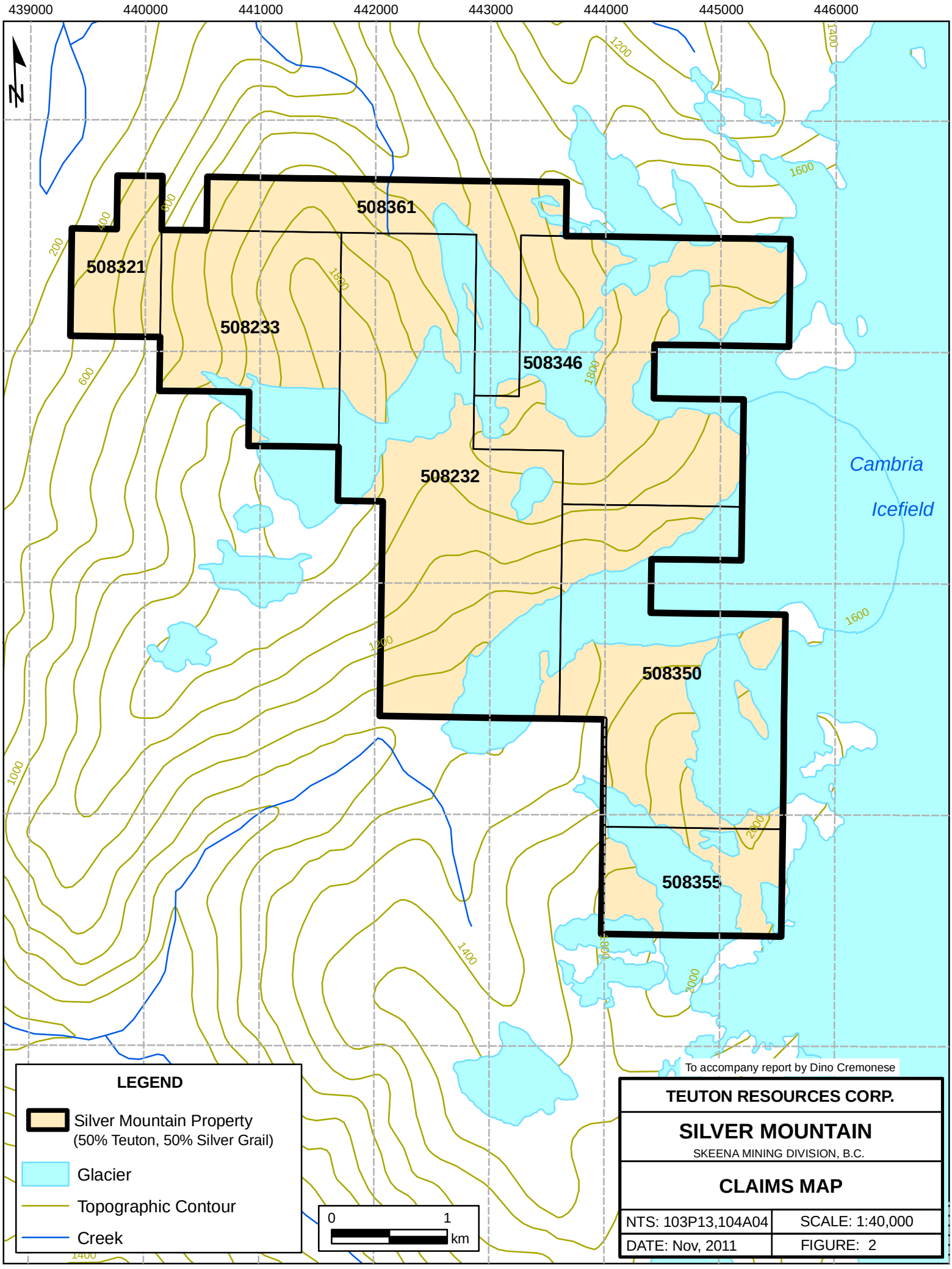
| Tenure No. | Area (ha) | Current Expiry Date |
|---|---|---|
| 508232 | 598.22 | August 16, 2012 |
| 508233 | 253.82 | August 16, 2012 |
| 508321 | 90.64 | August 16, 2012 |
| 508346 | 452.88 | August 16, 2012 |
| 508350 | 435.08 | August 16, 2012 |
| 508355 | 145.12 | August 16, 2012 |
| 508361 | 199.32 | August 16, 2012 |

Claim locations are shown on Fig. 2. The claim is owned jointly by Teuton Resources Corp. and Silver Grail Resources Ltd. of Vancouver; BC.

## C. History

After the 1919 discovery and subsequent exploitation of the famous Premier mine, the general Stewart area enjoyed an exploration boom that lasted throughout most of the 1920's. During this time, several prospects were actively explored in and around the present day Silver Mountain claims. Most famous of these was the Prosperity-Porter Idaho property, which currently adjoins the Silver Mountain property to the south. This property was taken under bond by Premier Mines in 1926 and saw limited production until 1931, when low silver prices forced a shutdown of


130°2'40"W
129°57'20"W
129°52'0"W
129°46'40"W
55°57'40"N
55°53'20"N
55°49'0"N
55°44'40"N
N
37A
ALASKA
Stewart
SILVER MOUNTAIN PROPERTY
Cambria
Icefield
Portland Canal
YUKON TERRITORY
N.W.T.
GENERAL LOCATION MAP
Dease Lake
Fort Nelson
SILVER MOUNTAIN PROPERTY
Fort St. John
Dawson Creek
BRITISH COLUMBIA
ALBERTA
Prince Rupert
Terrace
Kitimat
Prince George
Pacific Ocean
Bella Coola
Quesnel
Williams Lake
Kamloops
Kelowna
Cranbrook
Nelson
Victoria
Vancouver
U.S.A.
LEGEND
Road
Town / City
0
300 km
LEGEND
Road
Glacier
0
5
km
To accompany report by Dino Cremonese
TEUTON RESOURCES CORP.
SILVER MOUNTAIN
SKEENA MINING DIVISION, B.C.
LOCATION MAP
NTS: 103P13,104A04
SCALE: 1:125,000
DATE: Nov, 2011
FIGURE: 1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6200000
6198000
6196000
6194000
6192000
N
508361
508321
508233
508346
508232
508350
508355
Cambria
Icefield
LEGEND
Silver Mountain Property
(50% Teuton, 50% Silver Grail)
Glacier
Topographic Contour
Creek
0
1
km
To accompany report by Dino Cremonese
TEUTON RESOURCES CORP.
SILVER MOUNTAIN
SKEENA MINING DIVISION, B.C.
CLAIMS MAP
NTS: 103P13,104A04
SCALE: 1:40,000
DATE: Nov, 2011
FIGURE: 2

operations. The mine was serviced by an 8 km long aerial tramway from the minesite to the Marmot River, footings of which can still be seen today. Some of the old mine buildings are still extant.

In the early 1980's, Pacific Cassiar took advantage of high silver prices to refinance exploration of the Prosperity-Porter Idaho. This work established a reserve of some 830,000 tons averaging 668 g/t silver. Although there was talk of accessing the mine workings from a long tunnel on the western side of Mt. Rainey, the collapse of silver prices post 1981 put an end to this speculation. The property has more or less lain dormant since that period, with some desultory exploration of satellite occurrences (Silverado glacier area, Kate Ryan Creek area, etc.) the only activity in the immediate vicinity.

In 2004, a small rock geochem survey was conducted along the western margin of the Silver Mountain claim block, disclosing a few silver anomalous samples up to 43.1 ppm silver.

**D. References**

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**E. Summary of Work Done.**

The 2011 surface sampling program on the Silver Mountain property was part of a larger, summer program involving exploration of several separate Teuton properties located in the Stewart region. This field work spanned the period from July 10th to October 5th, 2011.

Field crew for the Silver Mountain work program consisted of geologist Amanda Mullin, geochemist Ricardo Rossin, and field assistant, Suki Spencer.

The aim of the program was to take rock geochem samples from two separate traverses, with particular attention to zones of freshly exposed rock due to retreat of snow and icefields. The areas investigated were accessed by helicopter from the base in Stewart on August 2nd and September 10th, 2011.

Altogether 51 surface rock samples were taken; 27 float and 24 grab. All rock samples were prepared and analyzed for gold content/ICP at Actlabs (Stewart, BC), Pioneer Laboratories (Richmond, BC), and Loring Laboratiories (Calgary, AB).

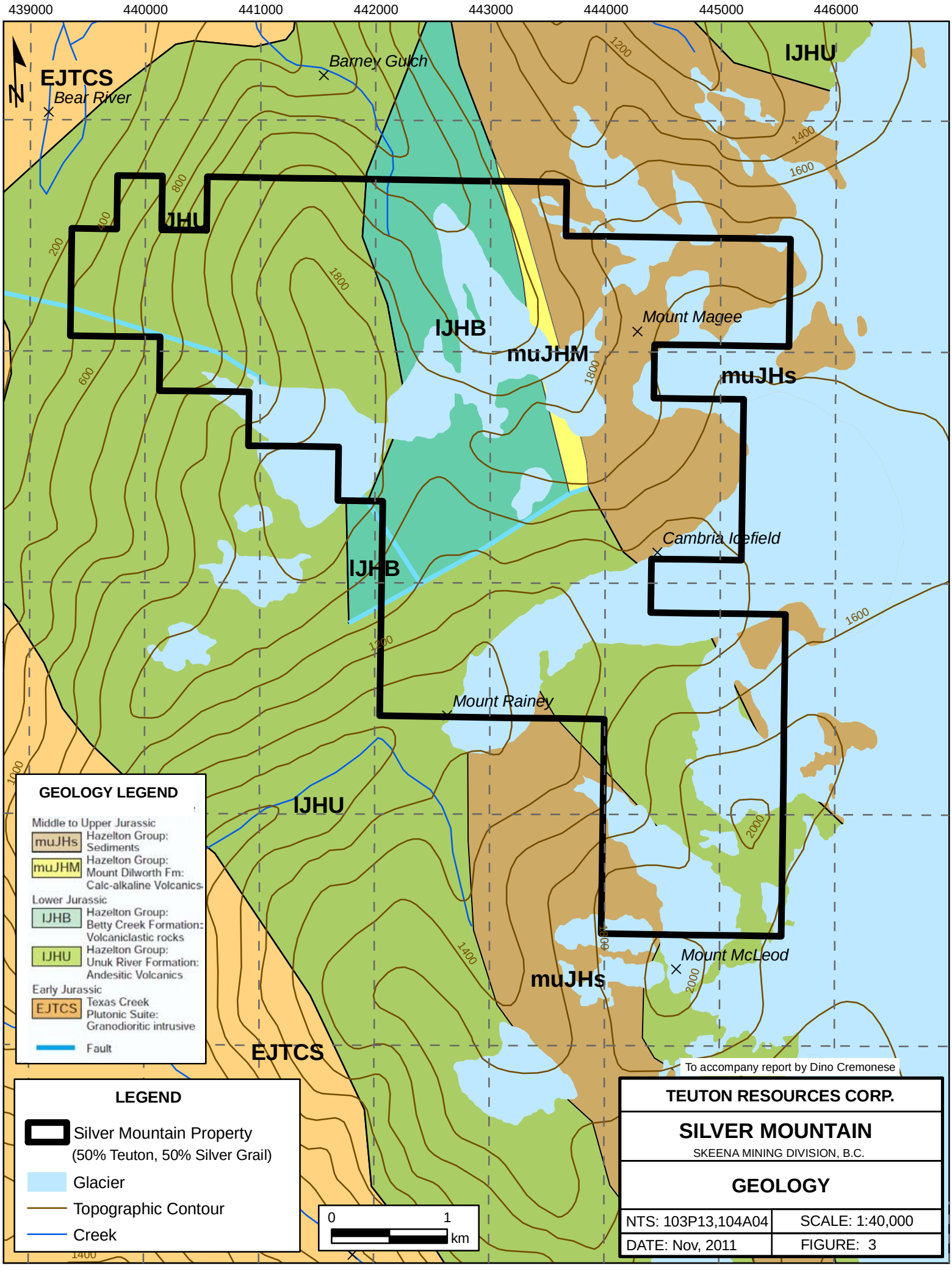
## 2. TECHNICAL DATA AND INTERPRETATION

### A. Geology and Mineralization

The property lies along the western edge of a broad, "northwest trending belt of Triassic and Jurassic volcanic and sedimentary rocks termed by Grove (1971) as the "Stewart Complex". This belt is bounded to the west by the Coast Crystalline Belt (mainly granodiorites) and to the east by a thick series of sedimentary rocks known as the Bowser Assemblage (Middle Jurassic to Upper Jurassic).

Locally, the Silver Mountain property covers the central, undulated area of a narrow and relatively small-scale but complex, NNW-SSE trending, synclinal unit (Fig. 3). This structure corresponds approximately to the Mount Rainey Syncline mapped by E.W. Grove (1971). In its central part, the syncline is cross cut by a steep NE-SW trending fault which apparently displaces down its northwestern wall rocks (Fig. 3). E.W. Grove (1971) reports northerly plunging mesoscopic folds and lineations related to this syncline. The same author describes a smallerscale northeasterly trending, overturned fold which steeply plunges toward NE in the Ryan Glacier area (SE part of the claim). Strata exposed throughout most of the property form a roughly homoclinal succession dipping to the east at moderate angles.

The area of Tenure #508232 is underlain by a relatively monotonous succession of the lower-to middle members of the Hazelton Group (Jurassic). The strata strike NNW-SSE in the northern and western part of the claim. They dip at moderate to steep angles eastward. The volcaniclastic debris flow, breccias, conglomerates and sand-grade volcaniclastic units constitute a predominant portion of the lower part of the succession - Unuk River Formation (Jl-HU; Fig. 3). The fragment composition indicates predominance of volcanic products of intermediate chemistry. These thick-bedded lithologies are irregularly intercalated with thinner bedded and less common siltstones, tuffs, tuffaceous sediments and, locally, limestones. In the central and north-eastem part of the property the finer grained volcaniclastics and epiclastics prevail. According to the BCGS web-site map (Fig. 3) this part of the succession represents the Betty Creek Formation (J213-HB). Further eastward (Barney Glacier, Mt. Magee), the above described succession contacts with predominant fine-grained and thin-bedded sediments and graywackes of the upper portion of the Hazelton Group (J2/3-Hs), most probably the Salmon River Formation. The character of this N-S striking contact is still unclear. W. Grove (1971) suggests that the Mount Rainey Syncline is a "structural remnant underlain by intrusives and unconformably overlain by deformed Bowser rocks". However, he marks on his map a regular contact between these two stratigraphic units in spite of the fact that younger strata on its eastern side are distinctly contorted. Greig et al (1994) suggest a steep reverse fault or thrust fault in this area.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EJTCS
Bear River
Barney Gulch
IJHU
IJHB
muJHM
muJHs
Mount Magee
Cambria Icefield
Mount Rainey
Mount McLeod
GEOLOGY LEGEND
Middle to Upper Jurassic
muJHs Hazelton Group: Sediments
muJHM Hazelton Group: Mount Dilworth Fm: Calc-alkaline Volcanics
Lower Jurassic
IJHB Hazelton Group: Betty Creek Formation: Volcaniclastic rocks
IJHU Hazelton Group: Unuk River Formation: Andesitic Volcanics
Early Jurassic
EJTCS Texas Creek Plutonic Suite: Granodioritic intrusive
Fault
LEGEND
Silver Mountain Property
(50% Teuton, 50% Silver Grail)
Glacier
Topographic Contour
Creek
0
1
km
To accompany report by Dino Cremonese
TEUTON RESOURCES CORP.
SILVER MOUNTAIN
SKEENA MINING DIVISION, B.C.
GEOLOGY
NTS: 103P13,104A04
SCALE: 1:40,000
DATE: Nov, 2011
FIGURE: 3

The rocks of the Hazelton Group successions of Tenure #508232 are cross cut by numerous, predominantly thin and discontinuous, coarse-crystalline, white to grayish quartz veins displaying various strikes. The area is apparently invaded at depth by numerous, small-size granodioritic intrusions, as evidenced by Grove (1971; Fig. 3) at some distance west of the claim boundary. Irregular zones of strong silicification enriched in pyrite-arsenopyrite seem to be the distal evidence of post-depositional magmatic and hydrothermal processes. The prominent contact with the large-size granitoid body of the Coast Plutonic Complex (Eg - Fig. 3) strikes southeasterly ca. 2 kilometers southwestwards from the southern boundary of the claim.

Regional geology is presented in Fig. 3.

**B. Rock Geochemistry**

**a. Introduction**

51 surface rock samples were collected along two traverses within the central west and northwest portions of the Silver Mountain property (see fig. 4). Samples were taken at roughly 10 metre intervals and positions were checked with a handheld GPS unit.

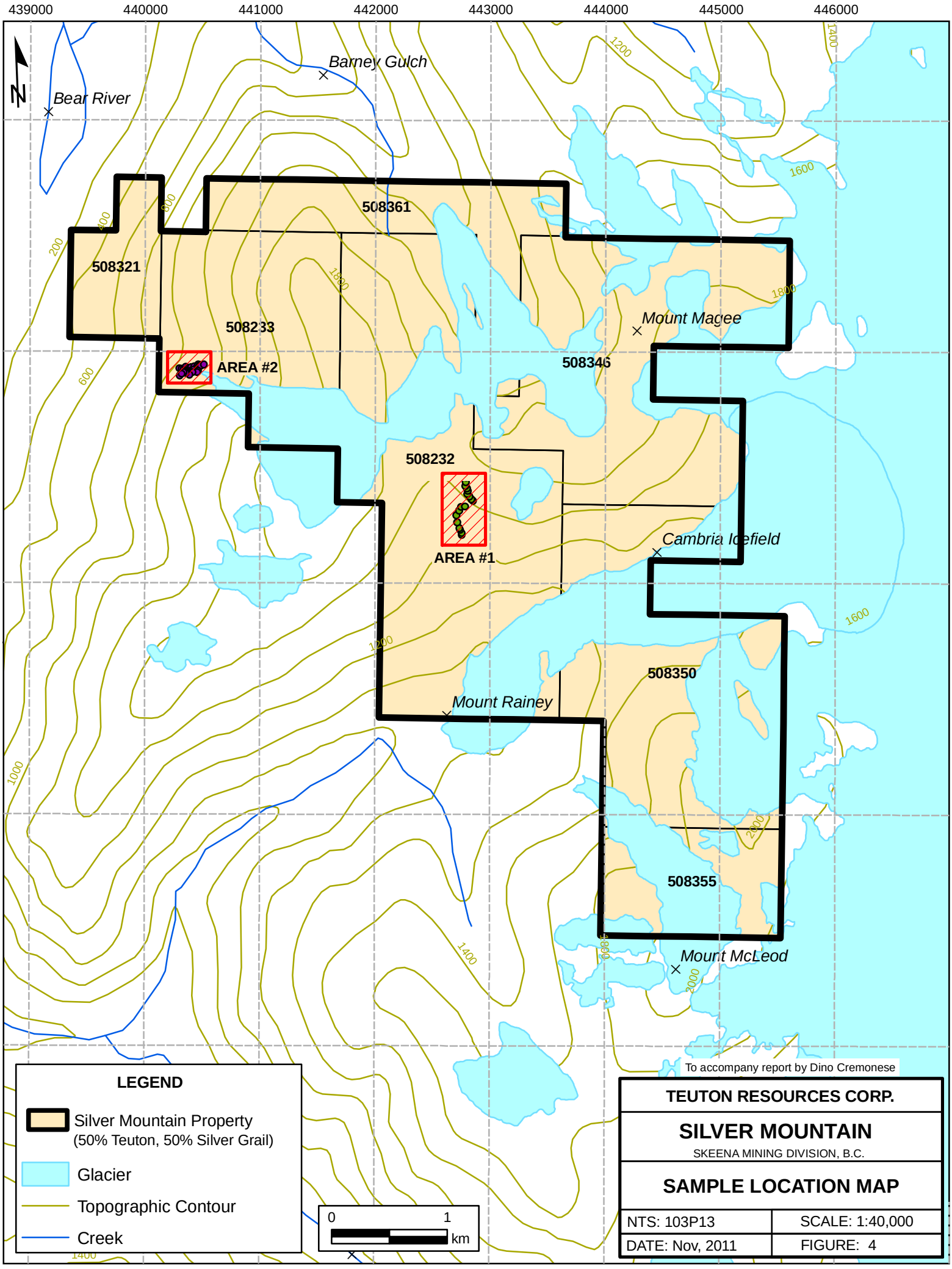
Across the property boundary, on the adjoining Prosperity-Porter Idaho claims, northwest striking, Ag-bearing shear zones had been explored and developed along a trend connecting from the Porter Idaho workings to the Silverado Glacier showings, a distance of well over lkm. It was hoped that similar, parallel shears could be found across the claim boundary on the Silver Mountain property side.

**b. Treatment of Data**

The geochemical survey area locations are shown in this report on Fig. 4. Detailed sample location maps with accompanying inset tables showing gold values in ppb, arsenic, lead, and zinc values in ppm are presented on Figures 5a and 5b.

As in other small-scale surveys, a statistical treatment according to standard methods was not deemed practical. In lieu of such treatment, the author has simply chosen anomalous levels by reference to several rock geochemical programs conducted over other properties in the Stewart region over the past ten years. On this basis, anomalous levels are indicated below:

| Element | Anomalous Above* |
|---|---|
| Gold | 100 ppb |
| Silver | 3.6 ppm |
| Arsenic | 140 ppm |
| Lead | 160 ppm |
| Zinc | 320 ppm |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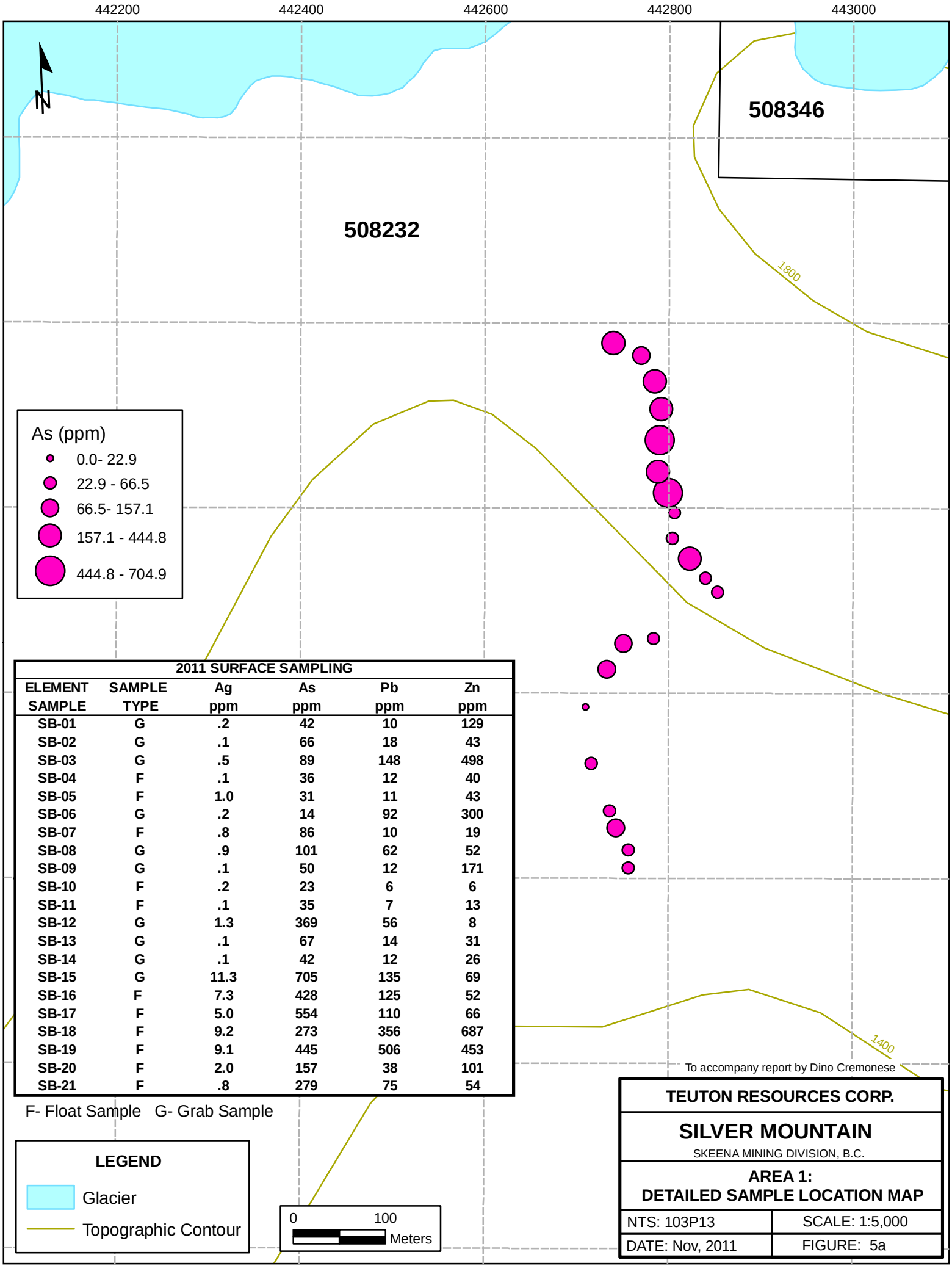
N
Bear River
Barney Gulch
508361
508321
508233
AREA #2
508346
Mount Magee
508232
AREA #1
Cambria Icefield
508350
Mount Rainey
508355
Mount McLeod
200
400
600
800
1000
1200
1400
1600
1800
2000
2200
LEGEND
Silver Mountain Property
(50% Teuton, 50% Silver Grail)
Glacier
Topographic Contour
Creek
0
1
km
To accompany report by Dino Cremonese
TEUTON RESOURCES CORP.
SILVER MOUNTAIN
SKEENA MINING DIVISION, B.C.
SAMPLE LOCATION MAP
NTS: 103P13
SCALE: 1:40,000
DATE: Nov, 2011
FIGURE: 4




**2011 SURFACE SAMPLING**

| ELEMENT SAMPLE | SAMPLE TYPE | Ag ppm | As ppm | Pb ppm | Zn ppm |
|---|---|---|---|---|---|
| SB-01 | G | .2 | 42 | 10 | 129 |
| SB-02 | G | .1 | 66 | 18 | 43 |
| SB-03 | G | .5 | 89 | 148 | 498 |
| SB-04 | F | .1 | 36 | 12 | 40 |
| SB-05 | F | 1.0 | 31 | 11 | 43 |
| SB-06 | G | .2 | 14 | 92 | 300 |
| SB-07 | F | .8 | 86 | 10 | 19 |
| SB-08 | G | .9 | 101 | 62 | 52 |
| SB-09 | G | .1 | 50 | 12 | 171 |
| SB-10 | F | .2 | 23 | 6 | 6 |
| SB-11 | F | .1 | 35 | 7 | 13 |
| SB-12 | G | 1.3 | 369 | 56 | 8 |
| SB-13 | G | .1 | 67 | 14 | 31 |
| SB-14 | G | .1 | 42 | 12 | 26 |
| SB-15 | G | 11.3 | 705 | 135 | 69 |
| SB-16 | F | 7.3 | 428 | 125 | 52 |
| SB-17 | F | 5.0 | 554 | 110 | 66 |
| SB-18 | F | 9.2 | 273 | 356 | 687 |
| SB-19 | F | 9.1 | 445 | 506 | 453 |
| SB-20 | F | 2.0 | 157 | 38 | 101 |
| SB-21 | F | .8 | 279 | 75 | 54 |

F- Float Sample G- Grab Sample

**LEGEND**

Glacier

Topographic Contour

0 100 Meters

To accompany report by Dino Cremonese

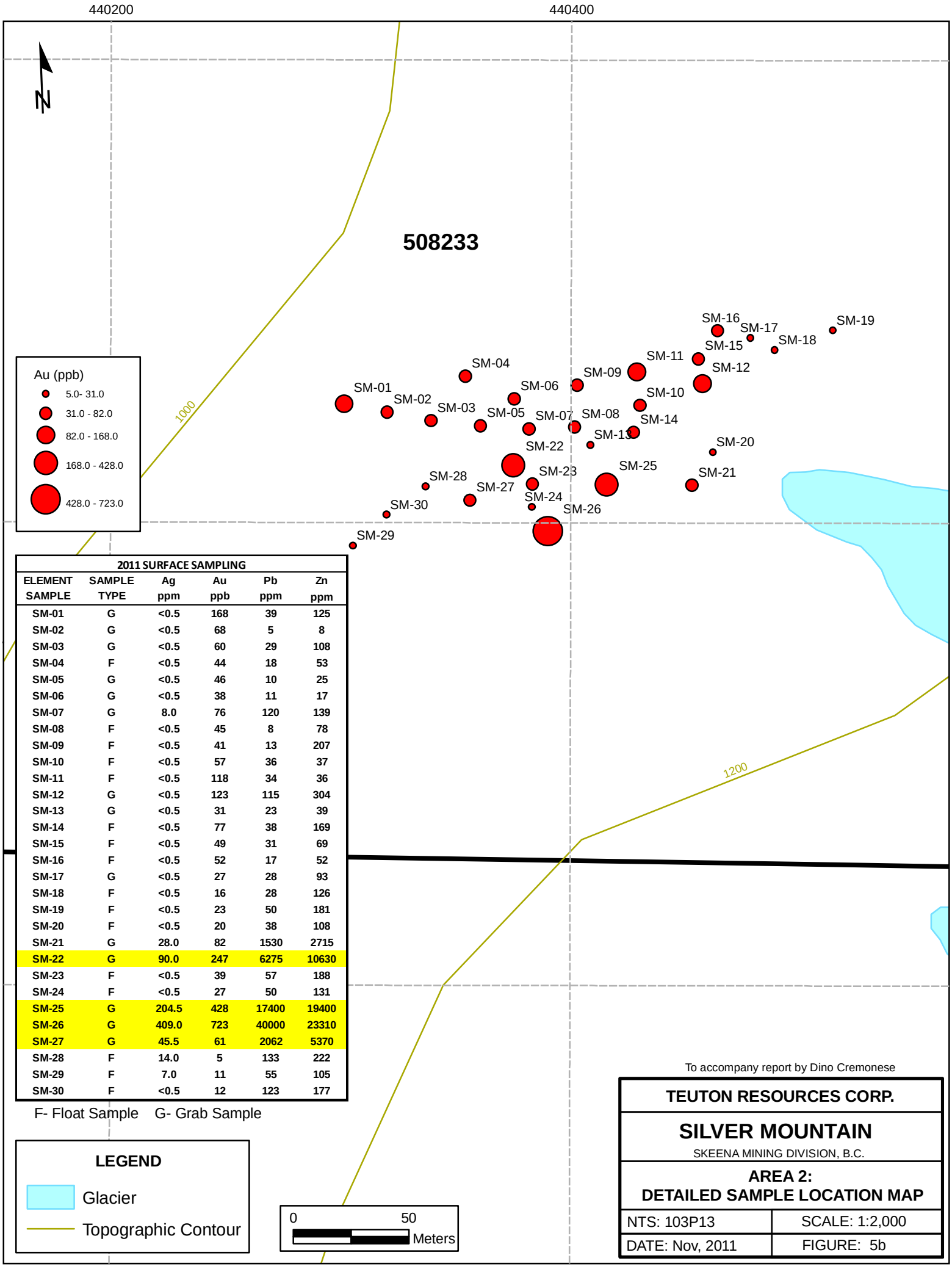
**TEUTON RESOURCES CORP.**

# SILVER MOUNTAIN

SKEENA MINING DIVISION, B.C.

## AREA 1: DETAILED SAMPLE LOCATION MAP

| | |
|---|---|
| NTS: 103P13 | SCALE: 1:5,000 |
| DATE: Nov, 2011 | FIGURE: 5a |




**2011 SURFACE SAMPLING**

| ELEMENT SAMPLE | SAMPLE TYPE | Ag ppm | Au ppb | Pb ppm | Zn ppm |
|---|---|---|---|---|---|
| SM-01 | G | <0.5 | 168 | 39 | 125 |
| SM-02 | G | <0.5 | 68 | 5 | 8 |
| SM-03 | G | <0.5 | 60 | 29 | 108 |
| SM-04 | F | <0.5 | 44 | 18 | 53 |
| SM-05 | G | <0.5 | 46 | 10 | 25 |
| SM-06 | G | <0.5 | 38 | 11 | 17 |
| SM-07 | G | 8.0 | 76 | 120 | 139 |
| SM-08 | F | <0.5 | 45 | 8 | 78 |
| SM-09 | F | <0.5 | 41 | 13 | 207 |
| SM-10 | F | <0.5 | 57 | 36 | 37 |
| SM-11 | F | <0.5 | 118 | 34 | 36 |
| SM-12 | G | <0.5 | 123 | 115 | 304 |
| SM-13 | G | <0.5 | 31 | 23 | 39 |
| SM-14 | F | <0.5 | 77 | 38 | 169 |
| SM-15 | F | <0.5 | 49 | 31 | 69 |
| SM-16 | F | <0.5 | 52 | 17 | 52 |
| SM-17 | G | <0.5 | 27 | 28 | 93 |
| SM-18 | F | <0.5 | 16 | 28 | 126 |
| SM-19 | F | <0.5 | 23 | 50 | 181 |
| SM-20 | F | <0.5 | 20 | 38 | 108 |
| SM-21 | G | 28.0 | 82 | 1530 | 2715 |
| SM-22 | G | 90.0 | 247 | 6275 | 10630 |
| SM-23 | F | <0.5 | 39 | 57 | 188 |
| SM-24 | F | <0.5 | 27 | 50 | 131 |
| SM-25 | G | 204.5 | 428 | 17400 | 19400 |
| SM-26 | G | 409.0 | 723 | 40000 | 23310 |
| SM-27 | G | 45.5 | 61 | 2062 | 5370 |
| SM-28 | F | 14.0 | 5 | 133 | 222 |
| SM-29 | F | 7.0 | 11 | 55 | 105 |
| SM-30 | F | <0.5 | 12 | 123 | 177 |

F- Float Sample G- Grab Sample

**LEGEND**

Glacier

Topographic Contour

To accompany report by Dino Cremonese

**TEUTON RESOURCES CORP.**

# SILVER MOUNTAIN

SKEENA MINING DIVISION, B.C.

## AREA 2: DETAILED SAMPLE LOCATION MAP

| | |
|---|---|
| NTS: 103P13 | SCALE: 1:2,000 |
| DATE: Nov, 2011 | FIGURE: 5b |

*Anomalous ranges will vary greatly according to rock type. For this reason, defining anomalous levels for any particular property based on regional averages is somewhat arbitrary

**c. Sample Descriptions**

Select sample descriptions follow. Where any values for gold, silver, arsenic, lead or zinc are anomalous, the complete set of values has been included below the description with the anomalous values highlighted in bold.

SM-22 Grab. Rusty fine-grained intermediate volcanic; moderate qtz/carb stockwork; trace coarse cube pyrite.

| | | | | | | |
|---|---|---|---|---|---|---|
| **Au** | **-** | **247** | **ppb** | **Ag** | **-** | **90.0 ppm** |
| As | - | 3 | ppm | | | |
| **Pb** | **-** | **6275** | **ppm** | **Zn** | **-** | **10630 ppm** |

SM-25 Grab. Highly silicified, chlorite altered, medium grained volcanic; strong qtz/carb stockwork; 10-15% coarse cube pyrite; trace fine grained arsenopyrite?

| | | | | | | |
|---|---|---|---|---|---|---|
| **Au** | **-** | **428** | **ppb** | **Ag** | **-** | **204.5 ppm** |
| As | - | 5 | ppm | | | |
| **Pb** | **-** | **17400** | **ppm** | **Zn** | **-** | **19400 ppm** |

SM-26 Grab. Pale green-purple, medium grained intermediate volcanic; qtz/carb stockwork veins; spotty pyrite and 1-2% coarse arsenopyrite.

| | | | | | | |
|---|---|---|---|---|---|---|
| **Au** | **-** | **723** | **ppb** | **Ag** | **-** | **409 ppm** |
| As | - | <1 | ppm | | | |
| **Pb** | **-** | **40000** | **ppm** | **Zn** | **-** | **23310 ppm** |

SM-27 Grab. Pale green-purple, medium grained intermediate volcanic; qtz/carb stockwork veins; 4-5% coarse cube pyrite and 1-2% coarse arsenopyrite.

| | | | | | | |
|---|---|---|---|---|---|---|
| Au | - | 61 | ppb | **Ag** | **-** | **45.5 ppm** |
| As | - | 6 | ppm | | | |
| **Pb** | **-** | **2062** | **ppm** | **Zn** | **-** | **5370 ppm** |

A complete set of sample descriptions is presented in Appendix III of this report. Tabulated grab and float sample results can be seen in Figs. 5a and 5b.

**C. Discussion**

*Area 1:* The first traverse, further toward the central western portion of the Silver Mountain property (SB series) proved to be unproductive, with samples returning weakly anomalous silver and arsenic, up to 11.3ppm and 705ppm, respectively.

*Area 2:* Thirty rock grab and float samples taken roughly every 10 metres return sporadic silver and gold results up to 409 ppm silver and 723 ppb gold. The anomalous samples are accompanied by elevated levels in arsenic (>140ppm), lead (>160ppm), and zinc (>320ppm). The most notable sample of this characterization is SM-26, which returned 409 ppm silver, 723 ppb gold, 40,000 ppm lead, and 23,310 ppm zinc. All anomalous results correspond to samples collected from quartz veins containing coarse galena and a bluish, silvery metallic mineral within pale grey-green intermediate volcanics.

**D. Field Procedure, Core Details and Laboratory Analysis**

Analysis of rock specimens collected during the 2011 program was split up between Actlabs (Stewart, BC), Pioneer Laboratories (Richmond BC), and Loring Laboratories facility (Calgary, AB).

After standard rock sample preparation, the 30 element Inductively Coupled Argon Plasma analysis was initiated by digesting a 0.5 gm sub-sample from each field specimen with 3ml 3-1-2 HCl-HNO3-H20 at 95 deg. C for one hour, followed by dilution to l0 ml with water. The Atomic Absorption measurement for ppb tolerance gold was preceded by subjecting 10 gram samples to standard fire-assay preconcentration techniques to produce silver beads which were subsequently dissolved.

**F. Conclusions**

The 2011 rock geochem sampling survey over two parts of the Silver Mountain property was successful in defining local sporadic silver-gold-lead-zinc anomalous rock, with peaks to 409 ppm silver, 723 ppb gold, 40,000 ppm lead, and 23,310 zinc. Further work is warranted in the vicinity of these samples, including prospecting, trenching and geological mapping. Remaining portions of the property not investigated during the 2011 program should also be examined.

Respectfully submitted,

D. Cremonese, P.Eng
Dec 21, 2011

**APPENDIX I - WORK COST STATEMENT**

Field Personnel—Period Aug. 02, Sept. 10

| | |
|---|---|
| Amanda Mullin, Geologist | |
| 2 days @ $550/day | 1100.00 |
| Ricardo Rossin, Geochemist | |
| 1 day @ $400/day | 400.00 |
| Suki Spencer, Field Assistant | |
| 1 day @ $175/day | 175.00 |
| Food & Lodging/Misc. Costs. - 4 man-days @ $70/man-day | 280.00 |
| Share of project costs (radios/auto rental/misc.): | 417.46 |
| Helicopter Cost (Mustang Helicopters- Stewart base) | |
| MD500 | |
| Aug. 02, Sept. 10 | |
| 0.9 hrs @ $1275.14/hr (with fuel) | 1147.63 |
| Assay costs—Actlabs (SB sample series) | |
| Au geochem + rock sample prep | |
| 21 @ $24.08/sample | 505.68 |
| Assay costs—Pioneer Labs (SB sample series) | |
| 30 elem. ICP + rock sample prep | |
| 21 @ $11.84/sample | 248.60 |
| Assay costs—Loring Labs (SM sample series) | |
| Au geochem + 30 elem. ICP + rock sample prep | |
| 30 @ $26.82/sample | 804.06 |
| Report Costs | |
| Report and map preparation, compilation and research | |
| D. Cremonese, P.Eng., 1.5 days @ $600/day | 900.00 |
| Draughting, sample tables, etc. | |
| Amanda Mullin 2 days @ $550/day | 1100.00 |
| **TOTAL.....** | **$7078.43** |

Amount Claimed Per Statement of Work (not including 30% PAC withdrawal add-on):

**Per SOW #5010314** **$7000.00**
[Please adjust PAC account accordingly]

## APPENDIX II – CERTIFICATE OF QUALIFICATION

I, Dino M. Cremonese, do hereby certify that:

1. I am a mineral property consultant with an office at #202-2187 Oak Bay Avenue, Victoria, B.C.

2. I am a graduate of the University of British Columbia (B.A.Sc. in metallurgical engineering, 1972, and L.L.B., 1979).

3. I am a Professional Engineer registered with the Association of Professional Engineers of the Province of British Columbia as a resident member, #13876.

4. I have practiced my profession since 1979.

5. This report is based upon work carried out on the Silver Mountain mineral claims, Skeena Mining Division in August and September of 2011. I have full confidence in the abilities of all samplers used in the 2011 geochemical program and am satisfied that all samples were taken properly and with care. Reference to field notes and maps made by geologist A. Mullin is acknowledged.

6. I am a principal of Teuton Resources Corp., owner of the Silver Mountain property: this report was prepared solely for satisfying assessment work requirements in accordance with government regulations.

Dated at Victoria, B.C. this 21st day of December, 2011.

Signed:

D. Cremonese, P.Eng.

# APPENDIX III

## SAMPLE DESCRIPTIONS

| 2011 Geochem Program- Silver Mountain Property- AREA 1 | | | | | | |
|---|---|---|---|---|---|---|
| SAMPLE | TYPE* | DESCRIPTION | Ag | As | Pb | Zn |
| | | | ppm | ppm | ppm | ppm |
| SB-01 | G | Intensely silicified pale green-grey volanic sed. | .2 | 42 | 10 | 129 |
| SB-02 | G | Intensely silicified volanic sed; strong Fe ox coating | .1 | 66 | 18 | 43 |
| SB-03 | G | Chipped out pyritic quartz vein from highly silicified subcrop boulder. | .5 | 89 | 148 | 498 |
| SB-04 | F | Dark grey-green f.g intermed volcanic; strong silicification | .1 | 36 | 12 | 40 |
| SB-05 | F | Strong chloritic overprint; intermed volcanic; minor wispy quartz/carb veinlets; no sulphides apparent. | 1.0 | 31 | 11 | 43 |
| SB-06 | G | Pale grey-green diabase dyke?; minor dissem pyr. | .2 | 14 | 92 | 300 |
| SB-07 | F | Intense Fe Ox; dark grey-green intermed volcanic; weakly sericitic. | .8 | 86 | 10 | 19 |
| SB-08 | G | Dark grey-green intermed volcanic. | .9 | 101 | 62 | 52 |
| SB-09 | G | Intense red hematite altered volcaniclastic | .1 | 50 | 12 | 171 |
| SB-10 | F | Dark green/grey f.g intermed volcanic; weak sericitc overprint. | .2 | 23 | 6 | 6 |
| SB-11 | F | Bright red hematite oxidized coating; extreme silicification; trace pyr | .1 | 35 | 7 | 13 |
| SB-12 | G | Intense red hematite altered volcaniclastic | 1.3 | 369 | 56 | 8 |
| SB-13 | G | Intense red hematite altered volcaniclastic | .1 | 67 | 14 | 31 |
| SB-14 | G | Intense red hematite altered volcaniclastic | .1 | 42 | 12 | 26 |
| SB-15 | G | Intense red hematite altered volcaniclastic, minor pyritic fracture fillings | 11.3 | 705 | 135 | 69 |

| | | | | | | |
|---|---|---|---|---|---|---|
| **SB-16** | **F** | **Bright red hematite oxidized coating; extreme silicification; trace pyr** | **7.3** | **428** | **125** | **52** |
| **SB-17** | **F** | **Bright red hematite oxidized coating; extreme silicification; trace pyr** | **5.0** | **554** | **110** | **66** |
| **SB-18** | **F** | **Dark grey-black, massive argillite, abundant 1-2mm pyritic veinlets** | **9.2** | **273** | **356** | **687** |
| **SB-19** | **F** | **Intense Fe ox; dark green-black f.g volcanic sed.** | **9.1** | **445** | **506** | **453** |
| **SB-20** | **F** | **Intense Fe ox; dark green-black f.g volcanic sed.** | **2.0** | **157** | **38** | **101** |
| **SB-21** | **F** | **Round, black, f.g volcanic sediment; strong silicification** | **.8** | **279** | **75** | **54** |
| *** F- Float , G- Grab** | | | | | | |

| 2011 Geochem Program- Silver Mountain Property- AREA 2 | | | | | | |
|---|---|---|---|---|---|---|
| SAMPLE | TYPE* | DESCRIPTION | Ag | Au | Pb | Zn |
| | | | ppm | ppb | ppm | ppm |
| SM-01 | G | Intermediate coarse grained volcanic, minor disseminated pyrite. | <0.5 | 168 | 39 | 125 |
| SM-02 | G | Pale grey plutonic; large hbl + pyx +plag phenocrysts. | <0.5 | 68 | 5 | 8 |
| SM-03 | G | Pale grey plutonic; trace pyr; diorite? | <0.5 | 60 | 29 | 108 |
| SM-04 | F | Limonite altered intermed volcanic, minor pyrite, trace pyrrhotite? | <0.5 | 44 | 18 | 53 |
| SM-05 | G | Strong silicification; abundant 1-2mm qtz/carb stkwk. | <0.5 | 46 | 10 | 25 |
| SM-06 | G | Massive dark grey-black volcanic; trace euhedral pyrite. | <0.5 | 38 | 11 | 17 |
| SM-07 | G | Intermed volcanic; ~10% qtz/carb stkwk, trace pyr. | 8.0 | 76 | 120 | 139 |
| SM-08 | F | Limonitic overprint; coarse intermed volcanic. | <0.5 | 45 | 8 | 78 |
| SM-09 | F | Intermed volcanic; strong silicification; trace cc pyr. | <0.5 | 41 | 13 | 207 |
| SM-10 | F | Intermed volcanic; strong silicification; trace cc pyr. | <0.5 | 57 | 36 | 37 |
| SM-11 | F | Intermed volcanic; strong silicification; trace cc pyr. | <0.5 | 118 | 34 | 36 |
| SM-12 | G | Fine grained grey-green volcanic, trace f.g pyr, strong silicification. | <0.5 | 123 | 115 | 304 |
| SM-13 | G | Intermed volcanic; strong silicification; trace cc pyr. | <0.5 | 31 | 23 | 39 |
| SM-14 | F | Intermed volcanic; strong silicification; trace cc pyr. | <0.5 | 77 | 38 | 169 |
| SM-15 | F | Intermed volcanic; strong silicification; trace cc pyr. | <0.5 | 49 | 31 | 69 |
| SM-16 | F | Intermed volcanic; strong silicification; trace cc pyr. | <0.5 | 52 | 17 | 52 |

| | | | | | | |
|---|---|---|---|---|---|---|
| SM-17 | G | Intermed volcanic; strong silicification; trace cc pyr. | <0.5 | 27 | 28 | 93 |
| SM-18 | F | Intermed volcanic; strong silicification; trace cc pyr. | <0.5 | 16 | 28 | 126 |
| SM-19 | F | Intermed volcanic; strong silicification; trace cc pyr. | <0.5 | 23 | 50 | 181 |
| SM-20 | F | Intermed volcanic; strong silicification; trace cc pyr. | <0.5 | 20 | 38 | 108 |
| SM-21 | G | White quartz/carb vein; trace f.g galena | 28.0 | 82 | 1530 | 2715 |
| SM-22 | G | 10cm white, vuggy quartz/calcite vein, abundant coarse galena, silver? | 90.0 | 247 | 6275 | 10630 |
| SM-23 | F | Pale grey-green, coarse grained intrusive; no apparent sulphides. | <0.5 | 39 | 57 | 188 |
| SM-24 | F | Pale grey-green, coarse grained intrusive; no apparent sulphides. | <0.5 | 27 | 50 | 131 |
| SM-25 | G | White massive quartz vein, minor coarse galena, bluish metallic mineral apparent-silver? | 204.5 | 428 | 17400 | 19400 |
| SM-26 | G | Massive quartz vein; abundant galena and silvery metallic. | 409.0 | 723 | 40000 | 23310 |
| SM-27 | G | Quartz vein, massive, minor disseminated pyrite. | 45.5 | 61 | 2062 | 5370 |
| SM-28 | F | Pale grey-green, coarse grained intrusive; no apparent sulphides. | 14.0 | 5 | 133 | 222 |
| SM-29 | F | Intense Fe ox boulder; strong silicification; fine-grained green volcanic sed. | 7.0 | 11 | 55 | 105 |
| SM-30 | F | Med green f.g intermed volcanic. | <0.5 | 12 | 123 | 177 |
| * F- Float , G- Grab | | | | | | |

# APPENDIX IV

# ASSAY CERTIFICATES

ISO9001:2008 Certified

# Loring Laboratories (Alberta) Ltd.

629 Beaverdam Road N.E.,
Calgary Alberta T2K 4W7
Tel: 403- 274-2777 Fax: 403-275-0541
loringlabs@telus.net

TO: Teuton Resources Corp.
Silver Grail Resources
202-2187 Oak Bay Avenue
Victoria, BC V8R 1G1

File No : 5 4 7 4 5
Date :October 24 2011
Samples : Core

Attn: Amanda Mullin

## 30 ELEMENT ICP ANALYSIS

| Sample No. | Ag ppm | Al % | As ppm | Au ppb | B ppm | Ba ppm | Bi ppm | Ca % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe % | K % | La ppm | Mg % | Mn ppm | Mo ppm | Na % | Ni ppm | P % | Pb ppm | Sb ppm | Sr ppm | Th ppm | Ti % | U ppm | V ppm | W ppm | Zn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C-11-01 | <0.5 | 0.76 | 113 | >1000 | <1 | 47 | 24 | 0.76 | 12 | 35 | 44 | 448 | 7.26 | 0.18 | <1 | 0.37 | 441 | 23 | 0.01 | <1 | 0.09 | 60 | 27 | 19 | 61 | 0.03 | <1 | 171 | 9 | 102 |
| C-11-02 | 21.5 | 1.11 | 80 | >1000 | <1 | 41 | 27 | 0.27 | 16 | 24 | 46 | 272 | 8.92 | 0.10 | 14 | 0.68 | 863 | 35 | 0.01 | <1 | 0.09 | 247 | 43 | 8 | 81 | 0.03 | <1 | 249 | 17 | 496 |
| C-11-03 | <0.5 | 0.51 | 134 | >1000 | <1 | 34 | 33 | 0.38 | 19 | 31 | 33 | 676 | 10.06 | 0.09 | 9 | 0.21 | 275 | 21 | 0.02 | 1 | 0.08 | 92 | 42 | 12 | 97 | 0.03 | <1 | 210 | 16 | 145 |
| C-11-04 | <0.5 | 1.24 | 144 | >1000 | <1 | 35 | 26 | 0.65 | 16 | 51 | 52 | 428 | 9.00 | 0.14 | 3 | 0.66 | 714 | 36 | 0.02 | <1 | 0.10 | 89 | 29 | 17 | 83 | 0.04 | <1 | 211 | 13 | 199 |
| C-11-05 | <0.5 | 0.99 | 92 | >1000 | <1 | 31 | 27 | 1.21 | 14 | 42 | 43 | 703 | 8.34 | 0.08 | 1 | 0.68 | 698 | 9 | 0.01 | 2 | 0.07 | 69 | 26 | 22 | 74 | 0.04 | <1 | 244 | 12 | 85 |
| C-11-06 | <0.5 | 0.56 | 72 | >1000 | <1 | 26 | 24 | 0.24 | 16 | 11 | 71 | 219 | 9.13 | 0.06 | 5 | 0.26 | 394 | 18 | 0.01 | <1 | 0.08 | 88 | 36 | 8 | 84 | 0.03 | <1 | 252 | 14 | 210 |
| C-11-07 | <0.5 | 0.75 | 77 | >1000 | <1 | 59 | 27 | 0.42 | 16 | 9 | 46 | 406 | 8.97 | 0.15 | 6 | 0.28 | 366 | 49 | 0.02 | <1 | 0.15 | 143 | 34 | 16 | 81 | 0.03 | <1 | 205 | 15 | 161 |
| C-11-08 | <0.5 | 0.45 | 59 | >1000 | <1 | 37 | 26 | 0.21 | 15 | 13 | 68 | 273 | 8.81 | 0.08 | 4 | 0.18 | 419 | 29 | 0.01 | <1 | 0.07 | 172 | 29 | 9 | 79 | 0.02 | <1 | 226 | 14 | 235 |
| C-11-09 | <0.5 | 1.10 | 59 | >1000 | <1 | 62 | 22 | 0.36 | 12 | 20 | 46 | 916 | 7.47 | 0.23 | 4 | 0.59 | 554 | 6 | 0.01 | 3 | 0.07 | 43 | 45 | 11 | 63 | 0.07 | <1 | 224 | 10 | 144 |
| C-11-10 | <0.5 | 0.80 | 80 | >1000 | <1 | 48 | 26 | 0.36 | 15 | 18 | 56 | 443 | 8.80 | 0.12 | 4 | 0.42 | 366 | 11 | 0.01 | <1 | 0.08 | 68 | 33 | 10 | 79 | 0.05 | <1 | 216 | 14 | 97 |
| C-11-11 | 21.5 | 0.54 | 74 | >1000 | <1 | 21 | 32 | 0.39 | 17 | 11 | 56 | 369 | 9.27 | 0.05 | 6 | 0.26 | 410 | 40 | 0.02 | <1 | 0.06 | 180 | 44 | 12 | 86 | 0.06 | <1 | 265 | 15 | 254 |
| C-11-12 | 14.0 | 0.18 | 45 | >1000 | <1 | 15 | 22 | 0.67 | 13 | 13 | 119 | 719 | 7.55 | 0.02 | <1 | 0.09 | 246 | 21 | 0.02 | <1 | 0.02 | 58 | 29 | 17 | 63 | 0.01 | <1 | 147 | 12 | 92 |
| C-11-13 | <0.5 | 0.71 | 119 | >1000 | <1 | 52 | 32 | 0.45 | 20 | 9 | 37 | 216 | 10.47 | 0.14 | 12 | 0.27 | 324 | 31 | 0.02 | <1 | 0.15 | 103 | 60 | 17 | 104 | 0.05 | <1 | 264 | 18 | 208 |
| C-11-14 | <0.5 | 0.67 | 61 | >1000 | <1 | 26 | 22 | 1.43 | 13 | 25 | 81 | 284 | 7.79 | 0.08 | <1 | 0.32 | 660 | 13 | 0.01 | <1 | 0.06 | 31 | 24 | 43 | 67 | 0.03 | <1 | 170 | 9 | 84 |
| C-11-15 | <0.5 | 0.99 | 120 | >1000 | <1 | 61 | 29 | 0.47 | 19 | 16 | 27 | 253 | 10.03 | 0.17 | 5 | 0.42 | 483 | 15 | 0.02 | <1 | 0.16 | 75 | 61 | 13 | 98 | 0.04 | <1 | 226 | 20 | 404 |
| C-11-16 | <0.5 | 0.94 | 92 | >1000 | <1 | 37 | 23 | 0.55 | 15 | 37 | 53 | 845 | 8.27 | 0.14 | 6 | 0.47 | 470 | 10 | 0.01 | 2 | 0.09 | 48 | 29 | 15 | 72 | 0.05 | <1 | 196 | 11 | 291 |
| C-11-17 | <0.5 | 0.96 | 92 | >1000 | <1 | 65 | 22 | 0.45 | 13 | 23 | 36 | 224 | 7.70 | 0.17 | 6 | 0.47 | 692 | 24 | 0.01 | <1 | 0.10 | 104 | 33 | 14 | 66 | 0.05 | <1 | 173 | 12 | 410 |
| C-11-18 | 16.5 | 0.61 | 88 | >1000 | <1 | 46 | 43 | 0.99 | 15 | 23 | 68 | 645 | 8.49 | 0.10 | <1 | 0.30 | 451 | 12 | 0.01 | <1 | 0.06 | 63 | 24 | 25 | 74 | 0.02 | <1 | 203 | 13 | 91 |
| C-11-19 | 20.0 | 0.13 | 20 | >1000 | <1 | 16 | 13 | 1.07 | 7 | 6 | 110 | 1021 | 4.80 | 0.02 | <1 | 0.06 | 248 | 10 | 0.01 | <1 | 0.02 | 56 | 15 | 26 | 36 | 0.02 | <1 | 120 | 4 | 54 |
| C-11-20 | <0.5 | 0.91 | 129 | >1000 | <1 | 57 | 26 | 0.46 | 16 | 14 | 52 | 446 | 9.17 | 0.17 | 5 | 0.40 | 477 | 14 | 0.02 | <1 | 0.13 | 46 | 45 | 14 | 84 | 0.04 | <1 | 242 | 15 | 245 |
| C-11-21 | <0.5 | 1.38 | 85 | >1000 | <1 | 135 | 29 | 0.38 | 19 | 14 | 50 | 579 | 9.92 | 0.10 | 7 | 0.95 | 558 | 22 | 0.02 | 2 | 0.11 | 112 | 43 | 14 | 96 | 0.05 | <1 | 254 | 15 | 225 |
| C-11-22 | 11.0 | 1.98 | 52 | >1000 | <1 | 62 | 22 | 0.54 | 13 | 42 | 40 | 1535 | 7.68 | 0.15 | 3 | 1.34 | 1105 | 8 | 0.01 | 3 | 0.07 | 39 | 23 | 13 | 67 | 0.03 | <1 | 177 | 9 | 253 |
| C-11-23 | <0.5 | 0.72 | 88 | >1000 | <1 | 55 | 30 | 0.42 | 17 | 12 | 39 | 583 | 9.43 | 0.13 | 7 | 0.26 | 418 | 28 | 0.02 | <1 | 0.14 | 184 | 74 | 15 | 89 | 0.04 | <1 | 259 | 17 | 304 |
| C-11-24 | <0.5 | 0.99 | 94 | >1000 | <1 | 50 | 30 | 0.45 | 18 | 21 | 40 | 288 | 9.53 | 0.17 | 7 | 0.47 | 420 | 30 | 0.02 | <1 | 0.15 | 77 | 31 | 15 | 90 | 0.04 | <1 | 263 | 15 | 202 |
| C-11-25 | 15.5 | 0.23 | 36 | >1000 | <1 | 17 | 28 | 0.21 | 17 | 5 | 58 | 311 | 9.43 | 0.03 | 3 | 0.10 | 326 | 26 | 0.01 | <1 | 0.04 | 201 | 30 | 6 | 87 | 0.02 | <1 | 243 | 16 | 274 |
| C-11-26 | 24.5 | 0.49 | 58 | >1000 | <1 | 37 | 21 | 0.47 | 12 | 9 | 55 | 358 | 7.56 | 0.09 | <1 | 0.22 | 640 | 28 | 0.01 | <1 | 0.07 | 255 | 29 | 14 | 64 | 0.03 | <1 | 214 | 11 | 288 |
| C-11-27 | 25.5 | 1.05 | 87 | >1000 | <1 | 58 | 32 | 0.59 | 17 | 30 | 41 | 626 | 9.35 | 0.15 | 1 | 0.60 | 559 | 31 | 0.02 | <1 | 0.07 | 143 | 50 | 19 | 88 | 0.04 | <1 | 275 | 14 | 132 |
| C-11-28 | 33.5 | 0.72 | 112 | >1000 | <1 | 74 | 34 | 0.49 | 17 | 11 | 34 | 443 | 9.60 | 0.19 | 5 | 0.24 | 366 | 60 | 0.02 | <1 | 0.14 | 276 | 84 | 15 | 90 | 0.05 | <1 | 255 | 16 | 382 |
| C-11-29 | <0.5 | 1.07 | 88 | >1000 | <1 | 36 | 27 | 0.34 | 18 | 23 | 35 | 461 | 9.59 | 0.10 | 7 | 0.57 | 688 | 16 | 0.02 | <1 | 0.12 | 68 | 42 | 10 | 90 | 0.03 | <1 | 256 | 16 | 309 |
| C-11-30 | 9.0 | 0.52 | 65 | >1000 | <1 | 34 | 30 | 0.42 | 17 | 11 | 52 | 504 | 9.25 | 0.06 | 2 | 0.29 | 552 | 26 | 0.01 | <1 | 0.07 | 204 | 53 | 11 | 86 | 0.02 | <1 | 289 | 18 | 231 |

* Sample is digested with Aqua Regia at 95C for one hour and bulked to 20 ml with distilled water.
Partial dissolution for Al, B, Ba,Ca, Cr,Fe,K,La,Mg,Mn,Na,P,Sr,Ti and W.
Gold values using Fire Assay results.
* Sample received on October 05, 2011

Certified by: _____

ISO9001:2008 Certified

# Loring Laboratories (Alberta) Ltd.

629 Beaverdam Road N.E.,
Calgary Alberta T2K 4W7
Tel: 403- 274-2777 Fax: 403-275-0541
loringlabs@telus.net

TO: Teuton Resources Corp.
Silver Grail Resources
202-2187 Oak Bay Avenue
Victoria, BC V8R 1G1

File No : 5 4 7 4 5
Date :October 24 2011
Samples : Core

Attn: Amanda Mullin

## 30 ELEMENT ICP ANALYSIS

| Sample No. | Ag ppm | Al % | As ppm | Au ppb | B ppm | Ba ppm | Bi ppm | Ca % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe % | K % | La ppm | Mg % | Mn ppm | Mo ppm | Na % | Ni ppm | P % | Pb ppm | Sb ppm | Sr ppm | Th ppm | Ti % | U ppm | V ppm | W ppm | Zn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C-11-31 | <0.5 | 0.99 | 98 | >1000 | <1 | 56 | 27 | 0.64 | 18 | 25 | 45 | 183 | 9.45 | 0.17 | 7 | 0.47 | 590 | 16 | 0.02 | 2 | 0.13 | 79 | 43 | 18 | 89 | 0.04 | <1 | 214 | 16 | 385 |
| C-11-32 | <0.5 | 0.65 | 89 | >1000 | <1 | 50 | 30 | 1.01 | 19 | 9 | 40 | 207 | 10.00 | 0.15 | 2 | 0.25 | 501 | 24 | 0.02 | <1 | 0.10 | 137 | 46 | 28 | 97 | 0.04 | <1 | 259 | 16 | 226 |
| C-11-33 | <0.5 | 1.47 | 116 | >1000 | <1 | 70 | 17 | 1.03 | 11 | 50 | 38 | 767 | 6.66 | 0.29 | 2 | 0.84 | 741 | 8 | 0.01 | 3 | 0.14 | 64 | 25 | 24 | 55 | 0.04 | <1 | 157 | 6 | 183 |
| C-11-34 | <0.5 | 1.54 | 86 | >1000 | <1 | 99 | 21 | 0.51 | 15 | 18 | 22 | 223 | 8.52 | 0.28 | 3 | 0.78 | 712 | 13 | 0.02 | 1 | 0.16 | 75 | 29 | 16 | 76 | 0.03 | <1 | 211 | 12 | 305 |
| C-11-35 | <0.5 | 0.29 | 93 | >1000 | <1 | 10 | 34 | 0.79 | 20 | 11 | 67 | 1143 | 10.51 | 0.03 | 4 | 0.13 | 354 | 29 | 0.02 | <1 | 0.05 | 100 | 45 | 20 | 104 | 0.02 | <1 | 249 | 19 | 51 |
| C-11-36 | 14.0 | 0.24 | 37 | >1000 | <1 | 17 | 21 | 1.39 | 12 | 14 | 76 | 744 | 7.69 | 0.06 | <1 | 0.09 | 387 | 14 | 0.01 | <1 | 0.02 | 83 | 19 | 36 | 65 | 0.01 | <1 | 207 | 11 | 39 |
| C-11-37 | <0.5 | 1.14 | 64 | >1000 | <1 | 35 | 17 | 1.86 | 10 | 43 | 48 | 427 | 6.35 | 0.11 | <1 | 0.82 | 800 | 4 | 0.01 | 2 | 0.08 | 36 | 22 | 46 | 51 | 0.05 | <1 | 147 | 7 | 78 |
| C-11-38 | 20.5 | 0.75 | 78 | >1000 | <1 | 43 | 30 | 0.41 | 18 | 13 | 57 | 256 | 9.60 | 0.11 | 4 | 0.36 | 551 | 35 | 0.01 | <1 | 0.09 | 246 | 58 | 11 | 90 | 0.04 | <1 | 271 | 16 | 407 |
| C-11-39 | 16.0 | 1.12 | 65 | >1000 | <1 | 40 | 28 | 0.34 | 17 | 15 | 44 | 322 | 9.23 | 0.10 | 5 | 0.66 | 818 | 21 | 0.01 | <1 | 0.09 | 209 | 55 | 10 | 85 | 0.03 | <1 | 304 | 18 | 431 |
| C-11-40 | <0.5 | 0.81 | 83 | >1000 | <1 | 54 | 27 | 0.26 | 16 | 15 | 51 | 211 | 9.17 | 0.12 | 7 | 0.40 | 568 | 24 | 0.01 | <1 | 0.09 | 172 | 59 | 10 | 84 | 0.04 | <1 | 253 | 15 | 265 |
| C-11-41 | 10.5 | 0.16 | 30 | >1000 | <1 | 5 | 20 | 0.52 | 12 | 15 | 107 | 575 | 7.74 | 0.01 | <1 | 0.08 | 233 | 16 | 0.01 | <1 | 0.02 | 88 | 26 | 11 | 65 | 0.02 | <1 | 219 | 7 | 42 |
| C-11-42 | <0.5 | 1.19 | 144 | >1000 | <1 | 51 | 23 | 0.72 | 14 | 52 | 40 | 571 | 8.47 | 0.19 | 3 | 0.62 | 628 | 22 | 0.02 | 4 | 0.15 | 29 | 43 | 19 | 75 | 0.04 | <1 | 196 | 10 | 164 |
| C-11-43 | <0.5 | 0.73 | 79 | >1000 | <1 | 42 | 27 | 0.49 | 15 | 25 | 61 | 499 | 8.94 | 0.11 | 5 | 0.37 | 459 | 20 | 0.01 | <1 | 0.07 | 102 | 32 | 14 | 81 | 0.04 | <1 | 204 | 12 | 116 |
| C-11-44 | <0.5 | 1.61 | 103 | >1000 | <1 | 63 | 23 | 0.74 | 14 | 34 | 28 | 438 | 8.12 | 0.26 | <1 | 0.95 | 793 | 12 | 0.01 | <1 | 0.13 | 40 | 36 | 21 | 72 | 0.03 | <1 | 226 | 10 | 131 |
| C-11-45 | <0.5 | 0.93 | 129 | >1000 | <1 | 78 | 26 | 0.54 | 17 | 13 | 34 | 501 | 9.48 | 0.20 | 12 | 0.37 | 458 | 19 | 0.02 | <1 | 0.18 | 78 | 48 | 22 | 88 | 0.04 | <1 | 246 | 12 | 213 |
| C-11-46 | <0.5 | 0.80 | 76 | >1000 | <1 | 78 | 21 | 0.51 | 13 | 11 | 32 | 287 | 7.73 | 0.21 | 4 | 0.29 | 555 | 12 | 0.01 | <1 | 0.12 | 159 | 44 | 17 | 66 | 0.03 | <1 | 187 | 13 | 405 |
| C-11-47 | 45.0 | 0.13 | 32 | >1000 | <1 | 13 | 17 | 0.31 | 9 | 5 | 117 | 705 | 6.31 | 0.02 | <1 | 0.05 | 192 | 18 | <0.01 | <1 | 0.02 | 45 | 25 | 6 | 51 | 0.02 | <1 | 192 | 7 | 48 |
| C-11-48 | 59.5 | 0.16 | 28 | >1000 | <1 | 11 | 22 | 1.16 | 10 | 6 | 79 | 1230 | 6.33 | 0.02 | <1 | 0.08 | 400 | 18 | <0.01 | <1 | 0.02 | 141 | 56 | 26 | 50 | 0.01 | <1 | 147 | 8 | 92 |
| C-11-49 | <0.5 | 0.41 | 82 | >1000 | <1 | 24 | 32 | 1.16 | 19 | 10 | 66 | 1064 | 10.08 | 0.07 | 7 | 0.16 | 274 | 37 | 0.02 | <1 | 0.11 | 62 | 36 | 26 | 98 | 0.05 | <1 | 316 | 11 | 73 |
| C-11-50 | <0.5 | 0.83 | 110 | >1000 | <1 | 85 | 25 | 0.45 | 16 | 12 | 30 | 203 | 9.24 | 0.25 | 5 | 0.27 | 339 | 16 | 0.02 | <1 | 0.14 | 86 | 41 | 13 | 86 | 0.04 | <1 | 208 | 15 | 266 |
| C-11-51 | 14.5 | 0.17 | 37 | >1000 | <1 | 8 | 20 | 0.82 | 11 | 14 | 150 | 664 | 7.19 | 0.02 | <1 | 0.08 | 275 | 19 | 0.01 | <1 | 0.02 | 82 | 22 | 21 | 60 | 0.02 | <1 | 205 | 8 | 45 |
| C-11-52 | <0.5 | 0.56 | 94 | >1000 | <1 | 45 | 26 | 0.52 | 17 | 21 | 34 | 477 | 9.31 | 0.18 | 8 | 0.19 | 262 | 9 | 0.02 | <1 | 0.09 | 54 | 34 | 13 | 86 | 0.06 | <1 | 250 | 10 | 127 |
| C-11-53 | 29.0 | 0.50 | 67 | >1000 | <1 | 33 | 24 | 1.47 | 15 | 10 | 85 | 910 | 8.34 | 0.07 | <1 | 0.25 | 931 | 24 | 0.01 | <1 | 0.08 | 312 | 71 | 27 | 74 | 0.03 | <1 | 346 | 12 | 251 |
| C-11-54 | 21.0 | 0.57 | 63 | >1000 | <1 | 30 | 31 | 0.21 | 17 | 7 | 70 | 243 | 9.66 | 0.07 | 6 | 0.23 | 331 | 19 | 0.02 | <1 | 0.06 | 98 | 38 | 9 | 92 | 0.02 | <1 | 279 | 18 | 146 |
| C-11-55 | <0.5 | 0.69 | 84 | >1000 | <1 | 42 | 30 | 0.26 | 19 | 17 | 59 | 322 | 9.96 | 0.11 | 6 | 0.32 | 552 | 17 | 0.02 | <1 | 0.09 | 164 | 70 | 9 | 96 | 0.04 | <1 | 325 | 17 | 319 |
| C-11-56 | <0.5 | 0.75 | 39 | >1000 | <1 | 29 | 18 | 0.80 | 11 | 22 | 63 | 682 | 7.08 | 0.10 | <1 | 0.40 | 555 | 6 | 0.01 | <1 | 0.05 | 41 | 25 | 20 | 60 | 0.02 | <1 | 189 | 8 | 131 |
| C-11-57 | <0.5 | 0.75 | 95 | >1000 | <1 | 12 | 35 | 0.31 | 22 | 18 | 57 | 1253 | 10.93 | 0.04 | 8 | 0.43 | 380 | 15 | 0.02 | 3 | 0.09 | 79 | 41 | 8 | 112 | 0.04 | <1 | 381 | 18 | 209 |
| C-11-58 | 15.0 | 0.38 | 80 | >1000 | <1 | 42 | 30 | 0.35 | 16 | 8 | 66 | 428 | 9.24 | 0.07 | 9 | 0.14 | 250 | 31 | 0.02 | <1 | 0.13 | 307 | 42 | 12 | 84 | 0.02 | <1 | 294 | 15 | 206 |
| C-11-59 | <0.5 | 0.39 | 65 | >1000 | <1 | 18 | 30 | 0.29 | 18 | 14 | 67 | 239 | 9.77 | 0.05 | 5 | 0.17 | 442 | 23 | 0.02 | <1 | 0.09 | 172 | 43 | 8 | 92 | 0.01 | <1 | 348 | 22 | 362 |
| C-11-60 | <0.5 | 1.13 | 71 | >1000 | <1 | 56 | 20 | 0.66 | 13 | 34 | 40 | 525 | 8.14 | 0.18 | 4 | 0.59 | 533 | 22 | 0.02 | 2 | 0.15 | 28 | 27 | 19 | 72 | 0.03 | <1 | 219 | 9 | 158 |

* Sample is digested with Aqua Regia at 95C for one hour and bulked to 20 ml with distilled water.
Partial dissolution for Al, B, Ba,Ca, Cr,Fe,K,La,Mg,Mn,Na,P,Sr,Ti and W.
Gold values using Fire Assay results.
* Sample received on October 05, 2011

Certified by: _____

ISO9001:2008 Certified

# Loring Laboratories (Alberta) Ltd.

629 Beaverdam Road N.E.,
Calgary Alberta T2K 4W7
Tel: 403- 274-2777 Fax: 403-275-0541
loringlabs@telus.net

TO: Teuton Resources Corp.
Silver Grail Resources
202-2187 Oak Bay Avenue
Victoria, BC V8R 1G1

File No : 5 4 7 4 5
Date :October 24 2011
Samples : Core

Attn: Amanda Mullin

## 30 ELEMENT ICP ANALYSIS

| Sample No. | Ag ppm | Al % | As ppm | Au ppb | B ppm | Ba ppm | Bi ppm | Ca % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe % | K % | La ppm | Mg % | Mn ppm | Mo ppm | Na % | Ni ppm | P % | Pb ppm | Sb ppm | Sr ppm | Th ppm | Ti % | U ppm | V ppm | W ppm | Zn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C-11-61 | <0.5 | 1.36 | 121 | >1000 | <1 | 60 | 24 | 0.53 | 16 | 44 | 46 | 823 | 8.75 | 0.17 | 4 | 0.87 | 660 | 24 | 0.02 | 4 | 0.11 | 50 | 28 | 14 | 80 | 0.05 | <1 | 218 | 11 | 215 |
| C-11-62 | <0.5 | 0.32 | 51 | >1000 | <1 | 17 | 22 | 0.61 | 13 | 11 | 98 | 285 | 7.90 | 0.05 | <1 | 0.14 | 265 | 17 | 0.01 | <1 | 0.06 | 101 | 20 | 15 | 68 | 0.03 | <1 | 231 | 8 | 52 |
| C-11-63 | <0.5 | 1.24 | 112 | >1000 | <1 | 84 | 26 | 0.53 | 17 | 14 | 22 | 341 | 9.59 | 0.25 | 6 | 0.47 | 575 | 14 | 0.02 | <1 | 0.18 | 85 | 56 | 20 | 90 | 0.04 | <1 | 241 | 20 | 491 |
| C-11-64 | <0.5 | 0.66 | 77 | >1000 | <1 | 46 | 34 | 0.22 | 21 | 10 | 42 | 235 | 10.82 | 0.06 | 8 | 0.30 | 404 | 30 | 0.02 | 3 | 0.08 | 169 | 53 | 12 | 109 | 0.02 | <1 | 285 | 22 | 316 |
| C-11-65 | <0.5 | 1.26 | 156 | >1000 | <1 | 63 | 24 | 0.81 | 15 | 47 | 29 | 848 | 8.50 | 0.23 | 8 | 0.65 | 627 | 17 | 0.02 | 2 | 0.15 | 27 | 50 | 23 | 77 | 0.06 | <1 | 182 | 9 | 191 |
| C-11-66 | <0.5 | 0.94 | 115 | >1000 | <1 | 44 | 34 | 0.28 | 20 | 52 | 43 | 627 | 10.37 | 0.08 | 8 | 0.49 | 539 | 44 | 0.02 | <1 | 0.10 | 50 | 46 | 10 | 102 | 0.02 | <1 | 269 | 19 | 213 |
| C-11-67 | <0.5 | 0.29 | 46 | >1000 | <1 | 12 | 23 | 1.36 | 11 | 8 | 79 | 445 | 7.37 | 0.04 | 1 | 0.13 | 408 | 19 | 0.01 | <1 | 0.03 | 65 | 25 | 38 | 61 | 0.07 | <1 | 172 | 6 | 49 |
| C-11-68 | <0.5 | 0.48 | 93 | >1000 | <1 | 36 | 28 | 0.52 | 16 | 17 | 71 | 755 | 9.13 | 0.06 | 4 | 0.24 | 333 | 31 | 0.01 | <1 | 0.05 | 42 | 33 | 14 | 83 | 0.04 | <1 | 229 | 12 | 93 |
| C-11-69 | <0.5 | 0.66 | 111 | >1000 | <1 | 40 | 29 | 0.80 | 18 | 16 | 62 | 1927 | 9.91 | 0.13 | 12 | 0.25 | 321 | 34 | 0.02 | <1 | 0.17 | 40 | 42 | 22 | 95 | 0.06 | <1 | 266 | 10 | 92 |
| C-11-70 | 28.5 | 0.50 | 42 | >1000 | <1 | 33 | 30 | 0.60 | 15 | 7 | 74 | 318 | 8.89 | 0.09 | <1 | 0.21 | 516 | 24 | 0.01 | <1 | 0.06 | 124 | 36 | 18 | 79 | 0.01 | <1 | 236 | 16 | 216 |
| C-11-71 | <0.5 | 1.30 | 98 | >1000 | <1 | 70 | 21 | 0.73 | 13 | 32 | 31 | 519 | 7.85 | 0.24 | 4 | 0.76 | 624 | 14 | 0.02 | 2 | 0.14 | 39 | 26 | 19 | 67 | 0.06 | <1 | 180 | 9 | 185 |
| C-11-72 | <0.5 | 0.57 | 67 | >1000 | <1 | 20 | 31 | 0.45 | 19 | 18 | 55 | 3139 | 10.10 | 0.06 | 5 | 0.34 | 292 | 24 | 0.02 | <1 | 0.08 | 80 | 31 | 13 | 96 | 0.03 | <1 | 298 | 11 | 69 |
| C-11-73 | <0.5 | 0.82 | 163 | >1000 | <1 | 88 | 15 | 0.74 | 10 | 31 | 19 | 153 | 6.80 | 0.34 | 2 | 0.30 | 381 | 6 | 0.01 | <1 | 0.16 | 15 | 27 | 19 | 55 | 0.04 | <1 | 147 | 6 | 75 |
| C-11-74 | <0.5 | 0.93 | 95 | >1000 | <1 | 53 | 23 | 0.57 | 15 | 24 | 47 | 833 | 8.72 | 0.19 | 8 | 0.43 | 450 | 17 | 0.02 | <1 | 0.13 | 42 | 35 | 16 | 78 | 0.06 | <1 | 209 | 10 | 130 |
| C-11-75 | <0.5 | 0.79 | 100 | >1000 | <1 | 65 | 26 | 0.98 | 16 | 25 | 58 | 565 | 9.01 | 0.24 | 9 | 0.27 | 399 | 13 | 0.02 | <1 | 0.12 | 55 | 36 | 24 | 83 | 0.10 | <1 | 254 | 7 | 113 |
| C-11-76 | <0.5 | 0.35 | 45 | >1000 | <1 | 8 | 34 | 2.15 | 21 | 20 | 83 | 317 | 9.91 | 0.03 | <1 | 0.16 | 824 | 18 | 0.02 | <1 | 0.04 | 150 | 38 | 69 | 96 | 0.15 | <1 | 339 | 8 | 150 |
| C-11-77 | <0.5 | 0.84 | 147 | >1000 | <1 | 53 | 28 | 1.41 | 18 | 38 | 37 | 182 | 9.70 | 0.19 | <1 | 0.36 | 787 | 13 | 0.02 | <1 | 0.11 | 28 | 33 | 41 | 94 | 0.05 | <1 | 269 | 11 | 98 |
| C-11-78 | <0.5 | 0.47 | 54 | >1000 | <1 | 19 | 29 | 0.83 | 18 | 18 | 93 | 309 | 9.66 | 0.08 | 4 | 0.18 | 333 | 20 | 0.02 | <1 | 0.07 | 100 | 30 | 22 | 92 | 0.08 | <1 | 326 | 8 | 75 |
| C-11-79 | <0.5 | 1.60 | 85 | >1000 | <1 | 22 | 26 | 2.58 | 17 | 35 | 51 | 474 | 8.97 | 0.09 | <1 | 0.86 | 1331 | 12 | 0.02 | <1 | 0.06 | 30 | 27 | 86 | 82 | 0.02 | <1 | 239 | 11 | 177 |
| C-11-80 | <0.5 | 1.28 | 161 | >1000 | <1 | 61 | 35 | 0.61 | 22 | 82 | 37 | 370 | 10.69 | 0.22 | 4 | 0.64 | 740 | 15 | 0.02 | 1 | 0.12 | 41 | 59 | 18 | 110 | 0.05 | <1 | 275 | 15 | 206 |
| C-11-81 | <0.5 | 1.62 | 116 | >1000 | <1 | 70 | 31 | 0.59 | 17 | 63 | 32 | 267 | 9.51 | 0.50 | 3 | 0.79 | 672 | 10 | 0.02 | <1 | 0.08 | 29 | 33 | 17 | 89 | 0.05 | <1 | 218 | 10 | 146 |
| C-11-82 | <0.5 | 0.95 | 167 | >1000 | <1 | 63 | 35 | 0.65 | 22 | 51 | 36 | 492 | 10.78 | 0.24 | 6 | 0.38 | 475 | 17 | 0.02 | <1 | 0.13 | 40 | 40 | 18 | 109 | 0.04 | <1 | 291 | 13 | 118 |
| C-11-83 | <0.5 | 0.96 | 139 | >1000 | <1 | 54 | 39 | 0.84 | 19 | 40 | 22 | 441 | 10.05 | 0.21 | 4 | 0.45 | 472 | 33 | 0.02 | <1 | 0.10 | 37 | 37 | 20 | 98 | 0.04 | <1 | 212 | 13 | 96 |
| C-11-84 | <0.5 | 0.77 | 72 | >1000 | <1 | 46 | 35 | 0.26 | 22 | 25 | 54 | 409 | 10.88 | 0.15 | 8 | 0.37 | 405 | 28 | 0.02 | <1 | 0.07 | 52 | 35 | 10 | 112 | 0.03 | <1 | 292 | 15 | 103 |
| C-11-85 | <0.5 | 0.85 | 130 | >1000 | <1 | 51 | 28 | 1.22 | 17 | 70 | 40 | 434 | 9.33 | 0.10 | <1 | 0.48 | 808 | 29 | 0.02 | <1 | 0.08 | 102 | 36 | 38 | 87 | 0.04 | <1 | 214 | 13 | 262 |
| C-11-86 | <0.5 | 0.46 | 90 | >1000 | <1 | 25 | 27 | 1.15 | 16 | 14 | 106 | 725 | 9.02 | 0.09 | 5 | 0.19 | 387 | 19 | 0.02 | <1 | 0.07 | 77 | 38 | 29 | 82 | 0.06 | <1 | 263 | 11 | 76 |
| C-11-87 | <0.5 | 0.84 | 122 | >1000 | <1 | 71 | 31 | 0.60 | 21 | 14 | 43 | 1176 | 10.57 | 0.20 | 16 | 0.28 | 438 | 23 | 0.02 | <1 | 0.18 | 28 | 46 | 20 | 105 | 0.06 | <1 | 288 | 11 | 100 |
| C-11-88 | <0.5 | 0.80 | 117 | >1000 | <1 | 46 | 22 | 1.25 | 14 | 25 | 74 | 677 | 8.09 | 0.22 | 3 | 0.30 | 518 | 14 | 0.02 | <1 | 0.12 | 62 | 31 | 33 | 70 | 0.05 | <1 | 199 | 8 | 121 |
| C-11-89 | 34.0 | 0.44 | 71 | >1000 | <1 | 22 | 26 | 0.88 | 15 | 13 | 73 | 1169 | 8.78 | 0.06 | <1 | 0.21 | 433 | 36 | 0.01 | <1 | 0.04 | 138 | 40 | 25 | 78 | 0.01 | <1 | 236 | 14 | 110 |
| C-11-90 | <0.5 | 0.31 | 55 | >1000 | <1 | 25 | 23 | 0.41 | 14 | 13 | 108 | 581 | 8.42 | 0.08 | 4 | 0.12 | 212 | 16 | 0.01 | <1 | 0.04 | 78 | 27 | 12 | 73 | 0.03 | <1 | 226 | 12 | 68 |

* Sample is digested with Aqua Regia at 95C for one hour and bulked to 20 ml with distilled water.
Partial dissolution for Al, B, Ba,Ca, Cr,Fe,K,La,Mg,Mn,Na,P,Sr,Ti and W.
Gold values using Fire Assay results.
* Sample received on October 05, 2011

Certified by: _____

ISO9001:2008 Certified

# Loring Laboratories (Alberta) Ltd.

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Calgary Alberta T2K 4W7
Tel: 403- 274-2777 Fax: 403-275-0541
loringlabs@telus.net

TO: Teuton Resources Corp.
Silver Grail Resources
202-2187 Oak Bay Avenue
Victoria, BC V8R 1G1

File No : 5 4 7 4 5
Date :October 24 2011
Samples : Core

Attn: Amanda Mullin

## 30 ELEMENT ICP ANALYSIS

| Sample No. | Ag ppm | Al % | As ppm | Au ppb | B ppm | Ba ppm | Bi ppm | Ca % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe % | K % | La ppm | Mg % | Mn ppm | Mo ppm | Na % | Ni ppm | P % | Pb ppm | Sb ppm | Sr ppm | Th ppm | Ti % | U ppm | V ppm | W ppm | Zn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C-11-91 | 26.0 | 0.78 | 61 | >1000 | <1 | 33 | 27 | 0.25 | 16 | 15 | 59 | 375 | 9.33 | 0.10 | 6 | 0.40 | 606 | 18 | 0.02 | <1 | 0.08 | 151 | 42 | 8 | 85 | 0.04 | <1 | 276 | 12 | 281 |
| C-11-92 | <0.5 | 0.77 | 117 | >1000 | <1 | 69 | 34 | 0.41 | 22 | 10 | 34 | 316 | 10.93 | 0.21 | 11 | 0.24 | 348 | 21 | 0.02 | <1 | 0.14 | 89 | 50 | 15 | 111 | 0.06 | <1 | 271 | 15 | 280 |
| C-11-93 | <0.5 | 0.52 | 103 | >1000 | <1 | 47 | 18 | 0.44 | 11 | 8 | 69 | 515 | 7.05 | 0.17 | 5 | 0.17 | 223 | 22 | 0.01 | <1 | 0.08 | 29 | 26 | 13 | 57 | 0.05 | <1 | 147 | 6 | 63 |
| C-11-94 | <0.5 | 0.71 | 135 | >1000 | <1 | 49 | 33 | 0.54 | 22 | 10 | 42 | 266 | 11.14 | 0.17 | 10 | 0.26 | 340 | 13 | 0.02 | <1 | 0.19 | 83 | 58 | 16 | 114 | 0.05 | <1 | 279 | 18 | 293 |
| C-11-95 | <0.5 | 0.53 | 122 | >1000 | <1 | 41 | 40 | 0.36 | 22 | 16 | 67 | 326 | 11.07 | 0.11 | 12 | 0.20 | 264 | 31 | 0.02 | <1 | 0.13 | 126 | 65 | 15 | 111 | 0.02 | <1 | 326 | 20 | 173 |
| C-11-96 | <0.5 | 1.67 | 88 | >1000 | <1 | 63 | 25 | 0.51 | 18 | 23 | 38 | 459 | 9.57 | 0.27 | 8 | 0.98 | 737 | 6 | 0.02 | 3 | 0.13 | 26 | 36 | 13 | 88 | 0.07 | <1 | 207 | 9 | 249 |
| C-11-97 | <0.5 | 0.65 | 107 | >1000 | <1 | 37 | 34 | 0.56 | 24 | 11 | 33 | 328 | 11.52 | 0.15 | 13 | 0.26 | 320 | 10 | 0.02 | <1 | 0.17 | 38 | 53 | 15 | 121 | 0.04 | <1 | 286 | 15 | 212 |
| C-11-98 | <0.5 | 1.63 | 78 | >1000 | <1 | 62 | 29 | 0.43 | 20 | 34 | 37 | 549 | 10.24 | 0.24 | 6 | 0.82 | 693 | 9 | 0.02 | 7 | 0.14 | 40 | 35 | 15 | 99 | 0.06 | <1 | 228 | 14 | 383 |
| C-11-99 | <0.5 | 0.55 | 108 | >1000 | <1 | 32 | 36 | 0.45 | 23 | 17 | 46 | 1123 | 11.39 | 0.11 | 12 | 0.22 | 240 | 51 | 0.02 | <1 | 0.11 | 71 | 49 | 15 | 118 | 0.07 | <1 | 355 | 12 | 75 |
| C-11-100 | <0.5 | 0.64 | 84 | >1000 | <1 | 51 | 31 | 0.68 | 18 | 12 | 54 | 1228 | 9.94 | 0.19 | 2 | 0.21 | 229 | 24 | 0.02 | <1 | 0.13 | 47 | 29 | 20 | 94 | 0.02 | <1 | 310 | 15 | 58 |
| C-11-101 | <0.5 | 0.87 | 110 | >1000 | <1 | 42 | 32 | 0.43 | 22 | 25 | 49 | 387 | 10.78 | 0.15 | 16 | 0.33 | 489 | 17 | 0.02 | <1 | 0.13 | 88 | 52 | 15 | 108 | 0.07 | <1 | 346 | 12 | 348 |
| C-11-102 | <0.5 | 0.98 | 88 | >1000 | <1 | 75 | 25 | 0.95 | 16 | 34 | 41 | 747 | 9.03 | 0.22 | 4 | 0.43 | 635 | 20 | 0.02 | <1 | 0.09 | 30 | 38 | 26 | 82 | 0.04 | <1 | 249 | 10 | 208 |
| SM-1101 | <0.5 | 1.66 | <1 | 168 | <1 | 32 | 5 | 1.17 | 4 | 15 | 44 | 21 | 3.17 | 0.04 | 9 | 1.23 | 582 | <1 | 0.04 | 9 | 0.17 | 39 | 11 | 83 | 23 | 0.22 | <1 | 52 | 3 | 125 |
| SM-1102 | <0.5 | 0.11 | <1 | 68 | <1 | 1 | <1 | 2.45 | <1 | <1 | 54 | 4 | 0.46 | <0.01 | <1 | 0.06 | 817 | <1 | 0.01 | <1 | <0.01 | 5 | 1 | 56 | 3 | <0.01 | <1 | 4 | <1 | 8 |
| SM-1103 | <0.5 | 1.45 | 44 | 60 | <1 | 20 | 7 | 1.99 | 5 | 10 | 18 | 10 | 3.87 | 0.04 | <1 | 0.93 | 1343 | 6 | 0.02 | 1 | 0.06 | 29 | 5 | 32 | 29 | 0.10 | <1 | 72 | 2 | 108 |
| SM-1104 | <0.5 | 1.57 | 39 | 44 | <1 | 62 | 7 | 2.02 | 5 | 18 | 29 | 28 | 3.74 | 0.17 | <1 | 1.07 | 1112 | 3 | 0.04 | 11 | 0.09 | 18 | 3 | 95 | 27 | 0.05 | <1 | 84 | 1 | 53 |
| SM-1105 | <0.5 | 0.64 | 1 | 46 | <1 | 194 | 2 | 2.36 | 2 | 6 | 8 | 19 | 1.44 | 0.29 | <1 | 0.20 | 1472 | <1 | 0.01 | <1 | 0.06 | 10 | 1 | 93 | 11 | <0.01 | <1 | 11 | <1 | 25 |
| SM-1106 | <0.5 | 0.35 | <1 | 38 | <1 | 116 | 7 | 1.33 | 5 | 3 | 29 | 78 | 3.93 | 0.19 | 2 | 0.08 | 591 | <1 | 0.02 | <1 | 0.05 | 11 | 3 | 49 | 29 | 0.04 | <1 | 49 | <1 | 17 |
| SM-1107 | 8.0 | 0.25 | 6 | 76 | <1 | 80 | 3 | 0.22 | 4 | 9 | 29 | 16 | 1.88 | 0.17 | 8 | 0.02 | 79 | 4 | 0.05 | 2 | 0.03 | 120 | 2 | 11 | 16 | <0.01 | <1 | 8 | 2 | 139 |
| SM-1108 | <0.5 | 1.45 | 6 | 45 | <1 | 180 | 5 | 1.09 | 4 | 15 | 10 | <1 | 3.08 | 0.47 | <1 | 0.71 | 1048 | <1 | 0.08 | <1 | 0.05 | 8 | 3 | 35 | 23 | 0.07 | <1 | 39 | 2 | 78 |
| SM-1109 | <0.5 | 1.87 | 4 | 41 | <1 | 47 | 8 | 1.54 | 6 | 22 | 21 | 5 | 4.42 | 0.14 | <1 | 1.38 | 1726 | <1 | 0.03 | 5 | 0.08 | 13 | 3 | 44 | 31 | 0.14 | <1 | 75 | 4 | 207 |
| SM-1110 | <0.5 | 1.24 | 59 | 57 | <1 | 113 | 11 | 1.47 | 4 | 11 | 9 | 43 | 2.98 | 0.29 | <1 | 0.44 | 1468 | 6 | 0.02 | 3 | 0.08 | 36 | 4 | 44 | 23 | 0.02 | <1 | 20 | 2 | 37 |
| SM-1111 | <0.5 | 0.27 | 5 | 118 | 22 | 61 | 7 | 0.76 | 3 | 9 | 37 | 14 | 2.03 | 0.12 | <1 | 0.06 | 360 | 3 | 0.03 | 3 | 0.04 | 34 | 3 | 24 | 17 | 0.01 | <1 | 9 | 1 | 36 |
| SM-1112 | <0.5 | 1.19 | 11 | 123 | 10 | 92 | 17 | 0.16 | 7 | 22 | 20 | 87 | 3.67 | 0.19 | <1 | 0.34 | 326 | 21 | 0.02 | 18 | 0.05 | 115 | 2 | 7 | 28 | 0.01 | <1 | 25 | 3 | 304 |
| SM-1113 | <0.5 | 1.40 | 9 | 31 | 17 | 40 | 9 | 2.03 | 3 | 7 | 64 | 15 | 2.34 | 0.08 | <1 | 0.76 | 698 | 2 | 0.02 | 2 | 0.04 | 23 | 2 | 35 | 17 | 0.07 | <1 | 41 | 1 | 39 |
| SM-1114 | <0.5 | 2.63 | 9 | 77 | 3 | 32 | 14 | 0.84 | 5 | 10 | 35 | 11 | 3.77 | 0.07 | <1 | 1.65 | 963 | 3 | 0.02 | 3 | 0.06 | 38 | 3 | 29 | 28 | 0.11 | <1 | 49 | 2 | 169 |
| SM-1115 | <0.5 | 1.19 | 7 | 49 | 11 | 98 | 11 | 1.29 | 4 | 11 | 43 | 5 | 2.96 | 0.10 | <1 | 0.57 | 668 | 2 | 0.03 | 3 | 0.05 | 31 | 2 | 33 | 23 | 0.10 | <1 | 55 | 1 | 69 |
| SM-1116 | <0.5 | 0.93 | 7 | 52 | 14 | 24 | 6 | 3.04 | 2 | 7 | 56 | 19 | 1.61 | 0.05 | <1 | 0.50 | 505 | 3 | 0.02 | 2 | 0.04 | 17 | 1 | 47 | 12 | 0.08 | <1 | 26 | 1 | 52 |
| SM-1117 | <0.5 | 0.72 | 12 | 27 | 4 | 136 | 13 | 3.27 | 5 | 11 | 19 | 5 | 3.26 | 0.35 | 6 | 0.21 | 959 | 3 | 0.02 | 9 | 0.09 | 28 | 5 | 39 | 24 | 0.02 | <1 | 23 | 2 | 93 |
| SM-1118 | <0.5 | 0.52 | <1 | 16 | <1 | 698 | 13 | 4.03 | 5 | 11 | 18 | 4 | 3.46 | 0.32 | 4 | 1.13 | 1443 | 2 | 0.02 | 11 | 0.08 | 28 | 4 | 350 | 25 | 0.01 | <1 | 24 | 2 | 126 |

* Sample is digested with Aqua Regia at 95C for one hour and bulked to 20 ml with distilled water.
Partial dissolution for Al, B, Ba,Ca, Cr,Fe,K,La,Mg,Mn,Na,P,Sr,Ti and W.
Gold values using Fire Assay results.
* Sample received on October 05, 2011

Certified by: _____

ISO9001:2008 Certified

# Loring Laboratories (Alberta) Ltd.

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Tel: 403- 274-2777 Fax: 403-275-0541
loringlabs@telus.net

TO: Teuton Resources Corp.
Silver Grail Resources
202-2187 Oak Bay Avenue
Victoria, BC V8R 1G1

File No : 5 4 7 4 5
Date :October 24 2011
Samples : Core

Attn: Amanda Mullin

## 30 ELEMENT ICP ANALYSIS

| Sample No. | Ag ppm | Al % | As ppm | Au ppb | B ppm | Ba ppm | Bi ppm | Ca % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe % | K % | La ppm | Mg % | Mn ppm | Mo ppm | Na % | Ni ppm | P % | Pb ppm | Sb ppm | Sr ppm | Th ppm | Ti % | U ppm | V ppm | W ppm | Zn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SM-1119 | <0.5 | 1.99 | 13 | 23 | <1 | 35 | 12 | 2.55 | 5 | 8 | 17 | 12 | 3.23 | 0.10 | <1 | 0.94 | 1506 | 3 | 0.02 | 3 | 0.06 | 50 | 2 | 31 | 23 | 0.08 | <1 | 52 | 2 | 181 |
| SM-1120 | <0.5 | 1.60 | 7 | 20 | <1 | 27 | 11 | 4.11 | 4 | 7 | 22 | 10 | 2.63 | 0.09 | <1 | 0.75 | 1263 | 2 | 0.02 | 2 | 0.05 | 38 | 2 | 55 | 19 | 0.07 | <1 | 40 | 1 | 108 |
| SM-1121 | 28.0 | 2.89 | 2 | 82 | <1 | 124 | 40 | 3.17 | 27 | 13 | 12 | 208 | 8.57 | 0.60 | <1 | 0.77 | 1186 | 2 | 0.23 | 4 | 0.05 | 1530 | 32 | 76 | 72 | 0.10 | <1 | 109 | 20 | 2715 |
| SM-1122 | 90.0 | 0.16 | 3 | 247 | <1 | 31 | 125 | 0.06 | 111 | 8 | 27 | 286 | 15.31 | 0.01 | <1 | 0.16 | 3238 | 7 | 0.03 | 16 | <0.01 | 6275 | 98 | <1 | 230 | <0.01 | 31 | 36 | 107 | 10630 |
| SM-1123 | <0.5 | 1.39 | 13 | 39 | 3 | 44 | 14 | 3.52 | 4 | 14 | 35 | 52 | 3.13 | 0.10 | <1 | 0.72 | 942 | 10 | 0.01 | 4 | 0.05 | 57 | 4 | 130 | 22 | 0.02 | <1 | 43 | 2 | 188 |
| SM-1124 | <0.5 | 0.82 | 2 | 27 | <1 | 41 | 6 | 1.80 | 2 | 5 | 75 | 14 | 1.66 | 0.09 | 2 | 0.50 | 703 | <1 | 0.02 | 4 | 0.04 | 50 | 2 | 73 | 13 | 0.03 | <1 | 29 | 1 | 131 |
| SM-1125 | 204.5 | 2.74 | 5 | 428 | <1 | 133 | 31 | 0.73 | 514 | 17 | 47 | 89 | 6.81 | 0.74 | <1 | 0.74 | 3535 | 1 | 0.07 | 3 | 0.04 | 17400 | 39 | 37 | 53 | 0.10 | <1 | 64 | 326 | 19400 |
| SM-1126 | 409.0 | 0.43 | <1 | 723 | <1 | 7 | 19 | 0.10 | 1036 | 13 | 108 | 89 | 4.62 | 0.02 | <1 | 0.25 | 2239 | <1 | 0.01 | 3 | <0.01 | 40000 | 110 | 27 | 33 | 0.01 | <1 | 12 | 752 | 23310 |
| SM-1127 | 45.5 | 0.08 | 6 | 61 | <1 | 7 | 26 | 0.04 | 29 | 4 | 121 | 55 | 6.10 | <0.01 | <1 | 0.07 | 1578 | 4 | 0.01 | 3 | <0.01 | 2062 | 21 | 3 | 46 | <0.01 | <1 | 10 | 39 | 5370 |
| SM-1128 | 14.0 | 0.53 | <1 | 5 | <1 | 14 | 4 | 4.90 | 3 | 2 | 65 | 52 | 1.01 | 0.05 | <1 | 0.14 | 866 | <1 | 0.01 | 2 | <0.01 | 133 | 2 | 256 | 7 | 0.01 | <1 | 21 | 2 | 222 |
| SM-1129 | 7.0 | 0.12 | <1 | 11 | <1 | 1 | 3 | 6.13 | 1 | <1 | 96 | 5 | 0.42 | <0.01 | <1 | 0.04 | 1848 | <1 | 0.01 | 2 | <0.01 | 55 | 2 | 180 | 3 | <0.01 | <1 | 3 | <1 | 105 |
| SM-1130 | <0.5 | 0.36 | 2 | 12 | <1 | 14 | 5 | 6.04 | 4 | 2 | 90 | 5 | 0.90 | 0.03 | <1 | 0.16 | 2342 | <1 | 0.01 | 2 | 0.01 | 123 | 2 | 222 | 6 | 0.01 | <1 | 9 | 1 | 177 |
| 11-AM-E1 | <0.5 | 5.99 | <1 | 22 | <1 | 129 | 23 | 0.86 | 8 | 33 | 91 | 51 | 5.28 | 0.02 | <1 | 5.87 | 624 | 2 | 0.13 | 70 | 0.02 | 83 | 3 | 19 | 39 | 0.08 | <1 | 115 | <1 | 99 |
| 11-AM-E2 | <0.5 | 0.11 | 1 | 8 | <1 | 17 | 2 | 1.54 | 1 | 2 | 137 | 5 | 0.42 | <0.01 | <1 | 0.13 | 442 | 1 | <0.01 | 6 | <0.01 | 76 | 2 | 18 | 3 | <0.01 | <1 | 3 | <1 | 109 |
| 11-AM-E3 | <0.5 | 0.75 | 7 | 12 | <1 | 46 | 4 | 7.69 | <1 | 1 | 16 | 7 | 0.51 | 0.05 | <1 | 1.38 | 1447 | <1 | <0.01 | 2 | 0.01 | 16 | <1 | 119 | 3 | <0.01 | <1 | 14 | <1 | 15 |
| 11-AM-E4 | <0.5 | 1.15 | 9 | 14 | <1 | 26 | 22 | 3.88 | 7 | 24 | 124 | 55 | 5.30 | <0.01 | <1 | 0.94 | 821 | 4 | 0.05 | 53 | 0.02 | 50 | 9 | 42 | 39 | 0.17 | <1 | 139 | <1 | 108 |
| 11-DC-E1 | 6.5 | 0.04 | 4 | 12 | <1 | 9 | 3 | 7.94 | <1 | <1 | 10 | 2 | 0.21 | <0.01 | <1 | 0.07 | 3044 | <1 | <0.01 | 1 | <0.01 | 10 | <1 | 143 | 1 | <0.01 | <1 | 2 | <1 | 76 |
| 11-DC-E2 | <0.5 | 0.15 | 9 | 43 | <1 | 14 | 3 | 7.03 | <1 | <1 | 36 | 3 | 0.39 | 0.01 | 1 | 0.11 | 1050 | <1 | <0.01 | <1 | <0.01 | 9 | 4 | 123 | 2 | <0.01 | <1 | 7 | <1 | 18 |
| 11-DC-E3 | <0.5 | 0.07 | 7 | 103 | <1 | 12 | 2 | 6.79 | <1 | <1 | 25 | 4 | 0.30 | 0.01 | <1 | 0.07 | 994 | <1 | <0.01 | <1 | 0.02 | 6 | 5 | 79 | 2 | <0.01 | <1 | 8 | <1 | 15 |
| 11-DC-E4 | <0.5 | 0.03 | 11 | 12 | <1 | 71 | 4 | 6.89 | <1 | <1 | 33 | 1 | 0.56 | <0.01 | <1 | 0.08 | 799 | 6 | <0.01 | <1 | <0.01 | 6 | 3 | 381 | 4 | <0.01 | <1 | 5 | <1 | 10 |
| 11-DC-E5 | 7.0 | 0.26 | 20 | 26 | <1 | 42 | 5 | 8.01 | 1 | 2 | 3 | 2 | 1.02 | 0.01 | <1 | 0.28 | 3043 | <1 | <0.01 | 4 | <0.01 | 12 | 7 | 273 | 7 | <0.01 | <1 | 15 | 1 | 178 |
| 11-DC-E6 | <0.5 | 4.18 | 2 | 20 | <1 | 14 | 21 | 3.51 | 8 | 35 | 92 | 53 | 5.22 | <0.01 | <1 | 2.49 | 543 | 1 | 0.01 | 62 | 0.02 | 63 | 6 | 21 | 38 | 0.11 | <1 | 95 | <1 | 56 |
| 11-DC-E7 | <0.5 | 1.35 | 4 | 7 | <1 | 21 | 17 | 5.83 | 6 | 22 | 129 | 51 | 4.08 | <0.01 | <1 | 1.21 | 1075 | 3 | 0.03 | 58 | 0.03 | 61 | 16 | 124 | 28 | 0.12 | <1 | 143 | <1 | 67 |
| DC-11-F21 | 143.0 | 0.22 | 94 | 49 | <1 | 24 | 8 | 2.07 | 35 | 8 | 99 | 7007 | 1.91 | 0.08 | <1 | 0.13 | 603 | 1 | 0.01 | 6 | <0.01 | 17090 | 4871 | 87 | 13 | <0.01 | <1 | 12 | 10 | 1537 |
| B-RH1 | 8.0 | 0.13 | <1 | 19 | <1 | 2 | 3 | 8.02 | <1 | <1 | 7 | 14 | 0.28 | 0.01 | 6 | 0.08 | 3069 | <1 | <0.01 | 1 | <0.01 | 33 | 10 | 767 | 2 | <0.01 | <1 | 5 | <1 | 31 |
| T-RH1 | <0.5 | 1.65 | 74 | 13 | <1 | 57 | 14 | 1.77 | 4 | 13 | 61 | 30 | 3.34 | 0.05 | <1 | 0.75 | 822 | 3 | 0.03 | 7 | 0.04 | 78 | 15 | 66 | 23 | <0.01 | <1 | 76 | <1 | 121 |
| Dup. SM-1110 | <0.5 | 1.25 | 56 | 166 | <1 | 118 | 12 | 1.47 | 4 | 11 | 9 | 44 | 3.05 | 0.30 | <1 | 0.45 | 1490 | 6 | 0.01 | 3 | 0.08 | 37 | 4 | 44 | 23 | 0.02 | <1 | 20 | <1 | 36 |
| Blank | <0.5 | <0.01 | <1 | <1 | <1 | <1 | <1 | <0.01 | <1 | <1 | <1 | <1 | <0.01 | <0.01 | <1 | <0.01 | <1 | <1 | <0.01 | <1 | <0.01 | <1 | <1 | <1 | <1 | <0.01 | <1 | <1 | <1 | <1 |

* Sample is digested with Aqua Regia at 95C for one hour and bulked to 20 ml with distilled water.
Partial dissolution for Al, B, Ba,Ca, Cr,Fe,K,La,Mg,Mn,Na,P,Sr,Ti and W.
Gold values using Fire Assay results.
* Sample received on October 05, 2011

Certified by: _____

**PIONEER LABORATORIES INC.** **#103 - 2691 VISCOUNT WAY RICHMOND, BC CANADA V6V 2R5** **TELEPHONE (604) 231-8165**

# G E O C H E M I C A L A N A L Y S I S C E R T I F I C A T E

Multi-element ICP Analysis - 0.500 gram sample is digested with 3 ml of aqua regia, diluted to 10 ml with water. This leach is partial for B, Ba, Cr, Fe, Mg, Mn, Na, P, S, Sn, Ti and limited for Na, K and Al.

**TEUTON RESOURCES CORP.**
Project:
Sample Type: Pulps

Analyst _____
Report No. 2111183
Date: September 27, 2011

| ELEMENT / SAMPLE | Ag ppm | Al % | As ppm | B ppm | Ba ppm | Bi ppm | Ca % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe % | K % | Mg % | Mn ppm | Mo ppm | Na % | Ni ppm | P % | Pb ppm | S % | Sb ppm | Sn ppm | Sr ppm | Te ppm | Ti % | Tl ppm | V ppm | Zn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DC-11-F14 | 3.4 | .37 | 132 | <5 | 10 | 15 | .08 | <1 | 46 | 9 | 139 | 16.32 | .23 | .01 | 364 | 8 | .02 | 23 | .04 | 73 | 12.59 | <2 | <2 | 2 | <5 | .04 | <5 | 5 | 27 |
| DC-11-F15 | 4.3 | .47 | 543 | <5 | 11 | 28 | .15 | <1 | 50 | 7 | 290 | 19.73 | .20 | .12 | 216 | 6 | .01 | 33 | .07 | 153 | 19.38 | 7 | <2 | 5 | <5 | .03 | <5 | 6 | 37 |
| DC-11-F16 | 1.8 | 2.61 | 116 | <5 | 20 | <10 | .28 | <1 | 29 | 26 | 414 | 14.18 | .10 | 2.06 | 1960 | 15 | .03 | 7 | .19 | 28 | 9.37 | 3 | <2 | 7 | <5 | .02 | <5 | 109 | 165 |
| DC-11-F17 | 16.4 | .38 | 156 | <5 | 5 | 16 | .05 | <1 | 126 | 7 | 171 | 20.85 | .03 | .19 | 260 | 2 | .01 | 11 | .02 | 26 | 20.57 | <2 | <2 | 2 | <5 | .05 | <5 | 13 | 20 |
| DC-11-F18 | .1 | 2.25 | 18 | <5 | 102 | <10 | 1.54 | <1 | 5 | 4 | 10 | 5.90 | .05 | .73 | 1137 | 5 | .06 | 4 | .11 | 15 | .27 | <2 | <2 | 69 | <5 | .12 | <5 | 35 | 177 |
| DC-11-F19 | .2 | 3.36 | 85 | <5 | 41 | <10 | 4.74 | <1 | 25 | 7 | 9 | 7.44 | .03 | 2.24 | 2439 | 1 | .04 | 3 | .15 | 11 | .55 | <2 | <2 | 150 | <5 | .04 | <5 | 244 | 128 |
| DC-11-F20 | .3 | 1.97 | 26 | <5 | 98 | <10 | 3.60 | <1 | 12 | 41 | 95 | 4.04 | .20 | 1.25 | 1178 | 2 | .05 | 41 | .17 | 16 | .54 | <2 | <2 | 79 | <5 | .36 | <5 | 77 | 134 |
| HS-AM-01 | 5.6 | 1.27 | 355 | <5 | 10 | 35 | .64 | 21 | 18 | 13 | 535 | 20.70 | .22 | .60 | 650 | 5 | .03 | 20 | .14 | 53 | 16.35 | 5 | <2 | 21 | <5 | .04 | <5 | 6 | 3404 |
| HS-AM-02 | 1.1 | 1.39 | 72 | <5 | 54 | <10 | 1.46 | <1 | 34 | 19 | 82 | 6.48 | .21 | 1.10 | 1049 | 1 | .04 | 15 | .15 | 30 | 3.68 | 7 | <2 | 31 | <5 | .07 | <5 | 66 | 58 |
| HS-AM-03 | 2.2 | .41 | 138 | <5 | 65 | <10 | 7.54 | <1 | 25 | 4 | 68 | 5.22 | .32 | .34 | 2559 | 39 | .01 | 14 | .16 | 333 | 4.30 | 9 | <2 | 198 | <5 | .04 | <5 | 5 | 77 |
| HS-AM-04 | 1.6 | 1.36 | 22 | <5 | 35 | <10 | 1.64 | <1 | 74 | 16 | 182 | 6.85 | .14 | .55 | 621 | 1 | .04 | 25 | .17 | 27 | 5.60 | <2 | <2 | 13 | <5 | .12 | <5 | 45 | 68 |
| HS-AM-05 | 4.2 | .33 | 170 | <5 | 13 | <10 | .15 | <1 | 62 | 7 | 89 | 15.07 | .30 | .01 | 327 | 3 | .01 | 19 | .04 | 75 | 13.31 | <2 | <2 | 5 | <5 | .02 | <5 | 6 | 29 |
| HS-AM-06 | 27.6 | .46 | 453 | <5 | 25 | <10 | .32 | <1 | 6 | 5 | 1019 | 7.56 | .39 | .03 | 216 | 1 | .02 | 7 | .14 | 705 | 5.33 | 7 | <2 | 11 | <5 | .06 | <5 | 5 | 332 |
| HS-AM-07 | 61.6 | .99 | 272 | <5 | 39 | 11 | 1.08 | 3 | 13 | 10 | 3779 | 5.78 | .37 | .52 | 1677 | 2 | .01 | 12 | .19 | 181 | 3.91 | 317 | <2 | 46 | <5 | .03 | <5 | 19 | 324 |
| SB-01 | .2 | 1.63 | 42 | <5 | 46 | <10 | .72 | <1 | 25 | 12 | 140 | 5.43 | .07 | 1.45 | 481 | 12 | .09 | 13 | .18 | 10 | 2.33 | <2 | <2 | 19 | <5 | .23 | <5 | 249 | 129 |
| SB-02 | .1 | 1.70 | 66 | <5 | 125 | <10 | .03 | <1 | 19 | 1 | 6 | 3.74 | .24 | .99 | 246 | 5 | .04 | 4 | .01 | 18 | .46 | <2 | <2 | 7 | <5 | .05 | <5 | 5 | 43 |
| SB-03 | .5 | .90 | 89 | <5 | 141 | <10 | 4.20 | 5 | 12 | 3 | 32 | 3.33 | .27 | .97 | 712 | 1 | .05 | 3 | .14 | 148 | .88 | 5 | <2 | 119 | <5 | .04 | <5 | 23 | 498 |
| SB-04 | .1 | 2.75 | 36 | <5 | 71 | <10 | 1.28 | <1 | 26 | 4 | 144 | 5.62 | .26 | 2.96 | 722 | 2 | .08 | 9 | .24 | 12 | 2.38 | <2 | <2 | 41 | <5 | .31 | <5 | 206 | 40 |
| SB-05 | 1.0 | 2.63 | 31 | <5 | 72 | <10 | 1.59 | <1 | 25 | 20 | 130 | 5.12 | .09 | 2.39 | 564 | 3 | .12 | 11 | .25 | 11 | 1.40 | 3 | <2 | 29 | <5 | .49 | <5 | 220 | 43 |
| SB-06 | .2 | .49 | 14 | <5 | 143 | <10 | 1.63 | 3 | 2 | 3 | 5 | 1.80 | .31 | .18 | 978 | 2 | .05 | 2 | .14 | 92 | .03 | <2 | <2 | 37 | <5 | .05 | <5 | 6 | 300 |
| SB-07A | .8 | 2.01 | 86 | <5 | 35 | <10 | 1.32 | <1 | 54 | 11 | 163 | 5.58 | .05 | 1.42 | 292 | 1 | .06 | 15 | .25 | 10 | 3.36 | <2 | <2 | 17 | <5 | .33 | <5 | 162 | 19 |
| SB-07B | .7 | .97 | 23 | <5 | 1905 | <10 | 11.42 | <1 | 13 | 6 | 42 | 2.53 | .14 | .68 | 3298 | 2 | .04 | 4 | .14 | 7 | .05 | <2 | <2 | 312 | <5 | .11 | <5 | 65 | 54 |
| SB-08 | .9 | .60 | 101 | <5 | 28 | <10 | 1.36 | <1 | 19 | 5 | 19 | 4.83 | .15 | .23 | 391 | 1 | .07 | 3 | .15 | 62 | 4.22 | <2 | <2 | 22 | <5 | .02 | <5 | 38 | 52 |
| SB-09 | .1 | 1.07 | 50 | <5 | 1844 | <10 | 9.48 | <1 | 7 | 8 | 28 | 3.32 | .18 | .73 | 3314 | 1 | .04 | 5 | .14 | 12 | .09 | <2 | <2 | 406 | <5 | .03 | <5 | 56 | 171 |
| SB-10 | .2 | .08 | 23 | <5 | 69 | <10 | 1.88 | <1 | 2 | 16 | 4 | 1.31 | .01 | .05 | 608 | 2 | .02 | 3 | .02 | 6 | .05 | <2 | <2 | 46 | <5 | .02 | <5 | 5 | 6 |
| SB-11 | .1 | .41 | 35 | <5 | 48 | <10 | 8.31 | <1 | 2 | 13 | 3 | 1.43 | .02 | .37 | 1705 | 1 | .01 | 4 | .02 | 7 | .01 | 5 | <2 | 198 | <5 | .02 | <5 | 8 | 13 |
| SB-12 | 1.3 | .10 | 369 | <5 | 17 | <10 | 1.47 | <1 | 29 | 24 | 50 | 6.25 | .03 | .05 | 627 | 55 | .02 | 13 | .03 | 56 | 5.80 | 9 | <2 | 29 | <5 | .03 | <5 | 5 | 8 |
| SB-13 | .1 | 4.53 | 67 | <5 | 75 | <10 | .30 | <1 | 33 | 28 | 11 | 10.02 | .04 | 3.21 | 720 | 3 | .04 | 9 | .18 | 14 | .83 | <2 | <2 | 6 | <5 | .16 | <5 | 184 | 31 |
| SB-14 | .1 | 3.75 | 42 | <5 | 25 | <10 | .25 | <1 | 32 | 11 | 8 | 9.57 | .08 | 2.44 | 697 | 5 | .05 | 3 | .10 | 12 | 2.38 | <2 | <2 | 7 | <5 | .08 | <5 | 72 | 26 |
| SB-15A | 11.2 | 1.38 | 707 | <5 | 42 | <10 | 1.41 | <1 | 19 | 48 | 67 | 6.20 | .24 | .76 | 1135 | 6 | .06 | 25 | .21 | 135 | 3.47 | 95 | <2 | 44 | <5 | .41 | <5 | 68 | 67 |
| SB-15B | 11.3 | 1.38 | 705 | <5 | 41 | <10 | 1.40 | <1 | 18 | 47 | 68 | 6.11 | .23 | .76 | 1137 | 5 | .06 | 25 | .21 | 135 | 3.39 | 95 | <2 | 44 | <5 | .41 | <5 | 68 | 69 |
| SB-16 | 7.3 | .98 | 428 | <5 | 28 | <10 | 1.12 | <1 | 19 | 48 | 134 | 5.36 | .06 | .43 | 714 | 6 | .08 | 23 | .13 | 125 | 4.26 | 49 | <2 | 23 | <5 | .33 | <5 | 93 | 52 |
| SB-17 | 5.0 | 1.14 | 554 | <5 | 35 | <10 | .78 | <1 | 17 | 60 | 57 | 5.01 | .11 | .72 | 1009 | 4 | .07 | 20 | .19 | 110 | 3.69 | 81 | <2 | 29 | <5 | .35 | <5 | 69 | 66 |
| SB-18 | 9.2 | 1.96 | 273 | <5 | 88 | <10 | .34 | 4 | 20 | 37 | 42 | 6.74 | .29 | 1.08 | 1682 | 15 | .04 | 7 | .20 | 356 | 1.24 | 21 | <2 | 13 | <5 | .02 | <5 | 67 | 687 |
| SB-19 | 9.1 | 2.49 | 445 | <5 | 33 | <10 | .22 | 2 | 15 | 43 | 35 | 8.52 | .16 | 1.49 | 1379 | 14 | .05 | 6 | .18 | 506 | 3.58 | 45 | <2 | 12 | <5 | .01 | <5 | 100 | 453 |
| SB-20 | 2.0 | 1.88 | 157 | <5 | 97 | <10 | 1.01 | <1 | 21 | 12 | 28 | 4.47 | .10 | 1.37 | 1457 | 53 | .06 | 7 | .15 | 38 | 1.09 | 8 | <2 | 23 | <5 | .22 | <5 | 87 | 101 |
| SB-21 | .8 | 1.45 | 279 | <5 | 49 | <10 | .76 | <1 | 14 | 36 | 21 | 4.55 | .04 | 1.27 | 366 | 17 | .08 | 10 | .24 | 75 | 2.15 | 26 | <2 | 36 | <5 | .63 | <5 | 55 | 54 |
| TN-01-AM | .3 | 1.66 | 93 | <5 | 78 | <10 | 3.98 | <1 | 21 | 58 | 98 | 5.39 | .18 | 2.46 | 1313 | 1 | .05 | 28 | .23 | 12 | 1.04 | 28 | <2 | 261 | <5 | .04 | <5 | 146 | 64 |
| TN-01-DC | .1 | 1.93 | 36 | <5 | 192 | <10 | .78 | <1 | 7 | 12 | 84 | 4.75 | .20 | 1.40 | 1130 | 2 | .06 | 3 | .32 | 19 | .34 | 5 | <2 | 35 | <5 | .36 | <5 | 103 | 43 |
| TN-02-DC | .4 | 1.86 | 120 | <5 | 50 | <10 | .56 | <1 | 19 | 24 | 191 | 8.61 | .12 | 1.48 | 859 | 4 | .05 | 5 | .26 | 24 | 2.89 | 19 | <2 | 17 | <5 | .37 | <5 | 128 | 35 |

Report: A11-9499
Report Date: 8/31/2011

# Final Report
# Activation Laboratories

| **Analyte Symbol** | Au |
|---|---|
| **Unit Symbol** | g/tonne |
| **Detection Limit** | 0.03 |
| **Analysis Method** | FA-GRA |
| HS-AM-01 | 6.43 |
| HS-AM-02 | 0.81 |
| HS-AM-03 | 1.16 |
| HS-AM-04 | 1.07 |
| HS-AM-05 | 7.63 |
| HS-AM-06 | 5.71 |
| HS-AM-07 | 0.74 |
| DC-11-F14 | 4.68 |
| DC-11-F15 | 7.07 |
| DC-11-F16 | < 0.03 |
| DC-11-F17 | 47.8 |
| DC-11-F18 | < 0.03 |
| DC-11-F19 | < 0.03 |
| DC-11-F20 | < 0.03 |
| SB-01 | < 0.03 |
| SB-02 | < 0.03 |
| SB-03 | |
| SB-04 | < 0.03 |
| SB-05 | < 0.03 |
| SB-06 | < 0.03 |
| SB-07A | < 0.03 |
| SB-07B | < 0.03 |
| SB-08 | < 0.03 |
| SB-09 | < 0.03 |
| SB-10 | < 0.03 |
| SB-11 | < 0.03 |
| SB-12 | < 0.03 |
| SB-13 | < 0.03 |
| SB-14 | < 0.03 |
| SB-15 | < 0.03 |
| SB-16 | < 0.03 |
| SB-17 | < 0.03 |
| SB-18 | < 0.03 |
| SB-19 | < 0.03 |
| SB-20 | < 0.03 |
| SB-21 | < 0.03 |
| TN-01-AM | < 0.03 |
| TN-01-DC | < 0.03 |
| TN-02-DC | < 0.03 |

# Final Report
# Activation Laboratories

| **Analyte Symbol** | Au |
|---|---|
| **Unit Symbol** | g/tonne |
| **Detection Limit** | 0.03 |
| **Analysis Method** | FA-GRA |
| CDN-GS-3F Meas | 3.02 |
| CDN-GS-3F Cert | 3.1 |
| DC-11-F16 Orig | < 0.03 |
| DC-11-F16 Dup | < 0.03 |
| SB-06 Orig | < 0.03 |
| SB-06 Dup | < 0.03 |
| SB-15 Orig | < 0.03 |
| SB-15 Split | < 0.03 |
| SB-15 Orig | < 0.03 |
| SB-15 Dup | < 0.03 |