

BC Geological Survey  
Assessment Report  
34350

**GEOCHEMICAL REPORT  
ON THE  
SKIP MINERAL PROPERTY 2013**

**OMINECA MINING DIVISION  
NTS 93 F.096 AND 097  
(Latitude 53° 56' N, Longitude 124° 49' W)**

**OWNER AND OPERATOR  
G.W. KURZ  
G.D. BYSOUTH**

Author: G.D. Bysouth

**GEOLOGICAL SURVEY BRANCH**  
Submitted November 2013  
**ASSESSMENT REPORT**

**34,350**

Ministry of Energy & Mines  
Energy & Minerals Division  
Geological Survey Branch

**ASSESSMENT REPORT  
TITLE PAGE AND SUMMARY**

TITLE OF REPORT [type of survey(s)] Geochemical TOTAL COST #6209.27

AUTHOR(S) Garry D. Bysouth SIGNATURE(S) [Signature]

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S) \_\_\_\_\_ YEAR OF WORK 2013

STATEMENT OF WORK - CASH PAYMENT EVENT NUMBER(S)/DATE(S) 5466431 2013 July 07 - 2013 Aug. 13

PROPERTY NAME SKIP

CLAIM NAME(S) (on which work was done) SKIP #1 Tenure No 574353

COMMODITIES SOUGHT Molybdenum

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN \_\_\_\_\_

MINING DIVISION Omineca NTS 93 F, 096 and 097

LATITUDE 53 ° 56 ' 00 " LONGITUDE 124 ° 49 ' 00 " (at centre of work)

OWNER(S)  
1) Gary W. Kurz 2) Garry D. Bysouth

MAILING ADDRESS  
Box 294 Fraser Lake, B.C. V0J 1S0 12340 Christie Road Boswell, B.C. V0B 1A4

OPERATOR(S) (who paid for the work)  
1) Gary W. Kurz 2) Garry D. Bysouth

MAILING ADDRESS  
as above as above

PROPERTY GEOLOGY KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude):  
Wide spread molybdenite mineralisation occurs in a porphyry-type environment similar to the Endako Mine deposit. Major host rocks are a red granite of probable Early Cret. age and a late Jurassic diorite sequence. The molybdenite occurs mainly in quartz vein systems with pyrite and specularite. Quartz veins of chalcopyrite-sphalerite-galena occur as peripheral mineralization.  
REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS No 1167 (Amax), No 1002, No 1216 (Anaconda), No 2368 (Mercury), Assessment Repts by G.D Bysouth, Geochem 2006, Percussion Drilling 2008, Geochem and Geological Survey 2011, Geochem Repts 2012.

TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (IN METRIC UNITS)	ON WHICH CLAIMS	PROJECT COSTS APPORTIONED (incl. support)
<b>GEOLOGICAL (scale, area)</b>			
Ground, mapping			
Photo interpretation			
<b>GEOPHYSICAL (line-kilometres)</b>			
Ground			
Magnetic			
Electromagnetic			
Induced Polarization			
Radiometric			
Seismic			
Other			
Airborne			
<b>GEOCHEMICAL</b>			
(number of samples analysed for ...)			
Soil	82 samples 51 element ICP-MS	Skip #1	6209.27
Silt			
Rock			
Other			
<b>DRILLING</b>			
(total metres; number of holes, size)			
Core			
Non-core			
<b>RELATED TECHNICAL</b>			
Sampling/assaying			
Petrographic			
Mineralographic			
Metallurgic			
<b>PROSPECTING (scale, area)</b>			
<b>PREPARATORY/PHYSICAL</b>			
Line/grid (kilometres)			
Topographic/Photogrammetric (scale, area)			
Legal surveys (scale, area)			
Road, local access (kilometres)/trail			
Trench (metres)			
Underground dev. (metres)			
Other			
<b>TOTAL COST</b>			<b>*6209.27</b>

*Handwritten mark*

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## **1.0 INTRODUCTION**

The Skip property was staked in 2005 by G.W. Kurz. The property lies about 12 kilometers directly south of Fraser Lake, British Columbia. Good access is provided by a network of all-weather logging roads which connect the property to Highway 16 near Lejac, a few kilometers east of Fraser Lake village.

The property is located in Nithi Valley directly across from Nithi Mountain. Most of the property lies along the south side of the valley. Overall topographic relief is moderate. Elevations vary from about 1250 m along the upper most south valley walls to about 760 m at the valley floor. The south side of the valley is drained mainly by a north trending stream course which we have called Skip Creek. This drainage system serves as a recognizable feature in an otherwise indistinct geography. It also divides the property into two halves that are different in both geology and exploration history.

The Skip property covers ground that had been actively explored throughout the 1960s. Anaconda American Brass Limited held most of the ground west of Skip Creek which had been called the Owl claims. Within this property extensive lead-zinc-copper geochemical soil anomalies had been identified. East of Skip Creek, Amax Exploration Inc. had carried out extensive geochemical, geophysical and trenching exploration on the Gel Claims. The most significant aspect of this work was the discovery of a large I.P. anomaly along the high ground east of Skip Creek. We refer to this area as the Gel I.P. Zone.

Another I.P. anomaly had been outlined across the valley floor north of both the Owl and Gel properties. This was discovered during a reconnaissance type I.P. survey of the valley bottom by Mercury Explorations Ltd.

Exploration work carried out by the present owners involved a 2005 geochemical soil survey, a 2007 percussion drill project, a 2010 geological-geochemical survey and a geochemical soil survey completed May 2012. A geochemical soil and rock report was also submitted in August 2012 which included a whole rock assaying program. A list of references for all exploration work done on the Skip property is provided in the final page of this report.

This report covers a soil geochemical survey carried out within the Gel mineralized zone. Field work was done during the period July 7 to July 16, 2013 and August 13, 2013. A total of 82 soil samples were collected. All samples were assayed by ALS Minerals of Vancouver, B.C. For all soils, 51 elements were determined by ICP-MS analysis and aqua regia digestion.

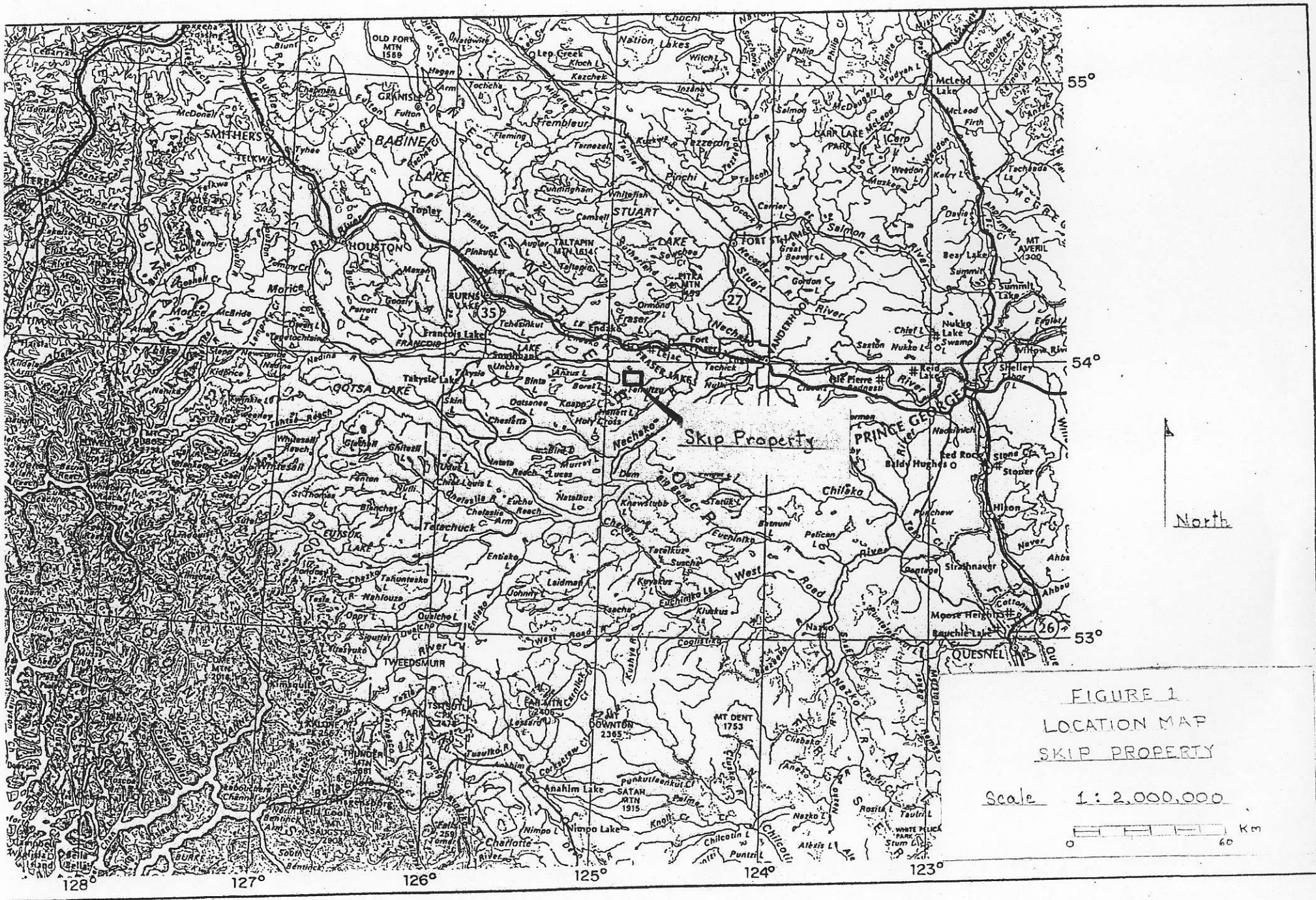
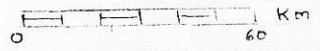


FIGURE 1  
LOCATION MAP  
SKIP PROPERTY

Scale 1:2,000,000



## **2.0 MINERAL CLAIMS**

The present holding consists of one mineral claim, Tenure No. 574353. It is owned 66% by G.W. Kurz of Fraser Lake, B.C. and 34% by G.D. Bysouth of Boswell, B.C. On June 13, 2012, the claim was reduced from 2779.12 hectares to 685.32 hectares. The present claim is in good standing to July 19, 2015. Figures 1 and 2 show the geographical position of the Skip property.

## **3.0 PROPERTY GEOLOGY**

The surface geology of the local area has been created largely by the effects of glaciation. Within the Nithi Valley, a pitted outwash topography of sands and gravels begins near the 7900 E coordinate and extends easterly far beyond the claim boundary. West of that coordinate, a long tract of swampy ground marks the position of stagnant glacial ice during the period of the maximum outwash deposition. Above the valley floor to about the 960 m elevation, the glacio-fluvial sediments exist solely as erosion remnants of larger ice-contact deposits. And above the 960 m elevation the surface cover consists mainly of rocky glacial till and bedrock derived colluvium with the proportion of the latter increasing with elevation. The percussion drilling has indicated the glacial till cover is generally about 3.0 m thick. The direction of the last great glacial advance was easterly. The flow of glacial melt water was westerly during the early periods of deglaciation.

The Skip property is underlain by a complex bedrock geology that is not adequately known due to a lack of critical rock exposure. Recent logging exposures and the percussion drilling information have confirmed the geological complexity but without much resolution. At this point, four major plutonic rock groupings have been recognized. The oldest of these are dioritic rocks of the Jurassic Limit Lake sequence which underlies most of the high ground along the southeast quadrant of the property. Next in age are medium to coarse grained biotite quartz monzonites that occur in sparsely distributed rock exposures along the east and west flanks of the property. A younger plutonic rock unit is leucocratic fine grained granite or quartz monzonites that are correlative with the Casey Quartz Monzonite unit exposed at Nithi Mountain. It forms a core-like intrusive pluton that is exposed in the southeastern quadrant of the property but also appears to underlie much of the older geology to the west (west of Skip Creek). The identity of the fourth plutonic rock unit has not been resolved. It is a Casey-like pale red granite which occurs at contacts with the older rocks and in dykes cutting the older rocks. Its close association with hydrothermal alteration and mineralization is of particular interest.

The two areas of molybdenite mineralization have been outlined by surface exposures and percussion drilling. The largest of these is the Gel Zone which lies in the southeast quadrant of the property east of Skip Creek. It has been defined by a line of eight percussion drill holes drilled

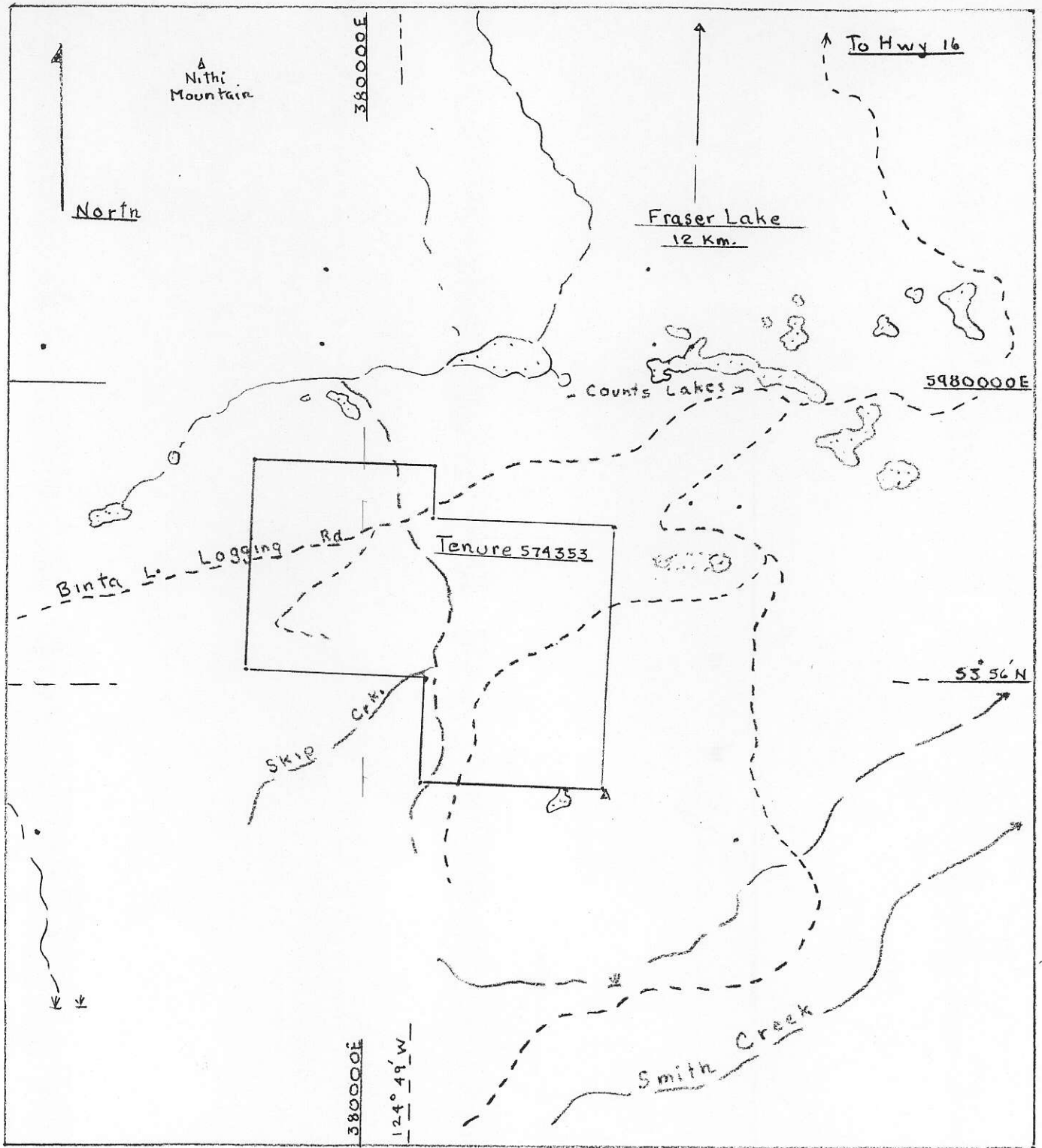
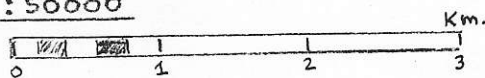


FIGURE 2  
SKIP MINERAL PROPERTY  
NTS 93F, 096 and 097  
OMINECA MINING DIVISION

LOCATION MAP

Scale: 1:50000





across the Gel anomaly. The second area lies in the southwest quadrant west of Skip Creek and, in reference to earlier work, has been called the Owl Zone. It consists of three percussion holes drilled near two areas of surface quartz-molybdenite mineralization. Depth continuation was confirmed in both areas. The major host rock here, and in the Gel Zone, was a dark green rock of either dioritic or andesitic origin.

#### **4.0 GEOCHEMICAL SOIL SURVEY**

##### **4.1 INTRODUCTION**

The purpose of this survey is to explore the southern half of the Gel I.P. anomaly by geochemical soil sampling. This area is underlain mainly by dioritic rocks which form the high ground along the southeastern quadrant of the property. Molybdenite mineralization found in percussion drilling at lower elevations to the north is interpreted to extend southward within and beneath the dioritic rocks. The controlling structure is visualized as being the roof environment of a late stage granitic pluton. Pyrite associated with the molybdenite mineralization is assumed to have caused the I.P. anomaly. The occurrence of pyrite mineralization, altered granitic dykes, and red K-spar alteration zones in the dioritic rocks, is taken as evidence for this model. The immediate objective of the work is to provide diamond drill targets to supplement those already established in the vicinity of the percussion drilling and northern geochemical anomalies.

A total of 82 soil samples were collected by G. W. Kurz during the period July 7, and July 14 to 18, 2013. Access over much of the area was difficult due to thick alder growths and windfall. At each sample site, the location was fixed by GPS, marked by blaze orange flagging and described in field notes. Most of the samples were collected by an auger with a reach of 1.0 m. The complete field notes with GPS readings are provided in the appendix of this report.

All soil samples were sent to ALS Minerals of Vancouver for analysis. The ME-MS41 option was used in which the dried samples were sieved to -80 mesh, and 0.5 gm. samples were dissolved in aqua regia; then 51 elements were determined by ICP-MS analysis. The complete assay results are provided in the appendix of this report.

##### **4.2 RESULTS AND INTERPRETATION**

Anomalies in molybdenum and copper have been found in this survey. These elements are plotted with sample numbers in Figure 4. Included also are anomalous results in silver and bismuth.

The majority of soils were collected from hillside environments where slope conditions have hindered normal soil development. Other than a few questionable B-horizons, these soils were

typically azonal – this, and a common rocky composition, would fit a lithosol type of classification. All the soils are interpreted to have been developed from a thin mantle of glacial till, probably one to three metres thick. And most of the soils were collected within moderately well drained environments. Seven soils, however, were taken in places of sluggish drainage – these are discussed in the paragraph on copper anomalies.

Molybdenum assay statistics are lower than other parts of the property but still higher than regional standards. For the total population of 82 soils, molybdenum averaged 7.62 ppm, with a median of 5.21 ppm and a range of 1.46 ppm to 28.60 ppm. The 80<sup>th</sup> and 90<sup>th</sup> percentiles were 12.10 ppm and 16.70 ppm respectively. In this survey the Mo threshold figure is taken at 8.00 ppm, which is made obvious by the spatial distribution of molybdenum assays as shown in Figure 4.

The copper assays in contrast provide a very sharp anomaly definition. For the 82 soil sample population, the copper median value was only 15 ppm, which is extremely low for dioritic rocks. The number of anomalies present, however, increases the average to 77.70 ppm for a range of 2.75 to 1485 ppm. The 80<sup>th</sup> and 90<sup>th</sup> percentile figures were 41 ppm and 150 ppm respectively. The latter figure of 150 ppm was taken as the copper threshold figure. This defines nine samples anomalous in copper – one at 150 ppm; two above 170 ppm, and the remaining six well above 350 ppm.

As shown in Figure 4, two distinctly different anomaly populations are evident in this survey. One involves simple low grade molybdenum anomalies. The other consists of high grade copper anomalies that also carry anomalous and elevated levels of molybdenum, silver and bismuth. The molybdenum anomalies are thought to have originated from molybdenite mineralization similar to that of the major ore zones identified by the percussion drilling. The copper anomalies are considered to represent the more varied peripheral mineralization.

The molybdenum anomalies consist solely of anomalous level of molybdenum found in dry glacial till – derived soils without any other metal anomalies. Two of the samples occur apart at the southwest corner of the sampling area. The remainder occurs at the northeast corner as a 15-sample cluster, united and outlined by an 8 ppm Mo threshold boundary. Although of low grade, the anomaly is considered quite significant due to similarities with the molybdenum soil anomalies overlying known molybdenite mineralization about 400 m to the north.

Interpretation of the copper anomalies is much more involved. Normally, concentrations of over 200 ppm Cu in soils would suggest the presence of nearby bedrock copper mineralization. But seven of this nine-sample population had been collected in environments where secondary enrichment would be expected to occur. Most obvious are the black organic rich muds of samples 13138 (920 ppm Cu), 13162 (388 ppm Cu) and 13180 (353 ppm Cu). The organic matter and large sulfur content of these muds are indicative of a reducing environment which could bring about

the deposition and enrichment of copper and other chalcophile elements. Similarly, samples 13131 (360 ppm Cu), 13118 (172 ppm Cu), 13119 (738 ppm Cu), and 13177 (1485 ppm Cu) were all collected from dark brown drainage clays and silts that contain large concentrations of iron and manganese. From this a hydromorphic enrichment model can be put forth that would involve the co-precipitation of copper and other metals with the deposition of iron and manganese hydroxides. But further problems in interpretation arise due to the wide scatter of the copper anomalies over the sampling area. Further work is required but at this point there appears to be multiple sources for the copper anomalies – the most obvious of these is near the lake at the top of the mountain, close to sample 13177.

## **5.0 STATEMENT OF COSTS**

### **FIELD WORK**

G.W. Kurz:	4 days @ \$400/day (July 7, July 16-18, 2013)	\$1600.00
G.D. Bysouth:	1 day @ \$550/day (August 13, 2013)	\$ 550.00

### **TRANSPORTATION**

4 X 4:	5 days @ \$50/day	\$ 250.00
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### **ASSAY COSTS: ALS MINERALS**

Invoice 2968834: August 18, 2013 (82 soil samples)	\$2660.08
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### **REPORT PREPARATION**

G.D. Bysouth	2 days @ \$500/day	\$1000.00
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### **MISCELLANEOUS COSTS**

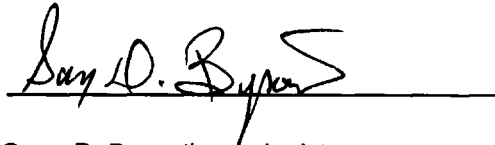
Printing, Shipping, Supplies	\$ 149.19
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**TOTAL COSTS:           \$6209.27**

## 6.0 CONCLUSIONS

More work is required but at this point the following conclusions can be made:

1. The molybdenum anomaly outlined in this survey lies close to bedrock molybdenite mineralization that is an extension of molybdenite mineralization intersected in percussion drill holes 701 to 708.
2. Aside from samples 13118 and 13119, the copper anomalies found in this survey have been derived from peripheral chalcopyrite mineralization that occurs along the southwest and northeast flanks of the above molybdenite body. The possibility of peripheral chalcopyrite mineralization also occurring above the molybdenite body is of particular interest when evaluating the copper anomaly indicated by samples 13177, 13179 and 13180.



Garry D. Bysouth, geologist

November, 2013

**REFERENCES**

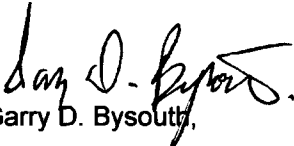
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**APPENDIX A**

**STATEMENT OF QUALIFICATIONS – Garry D. Bysouth**

I, Garry D. Bysouth, of Boswell, British Columbia do certify that:

1. I am a geologist.
  
2. I am a graduate of the University of British Columbia with a B.Sc. Degree in Geology (1966).
  
3. From 1966 to the present I have been engaged in mining and exploration geology in British Columbia.
  
4. For this report I have examined the sampling area, planned sampling, and interpreted the geochemical results.

  
Garry D. Bysouth,


Geologist

**APPENDIX B**

**STATEMENT OF QUALIFICATIONS – G.W. KURZ**

I, Gary Kurz, of Fraser Lake, British Columbia, do certify that:

1. I am an engineering technologist with 30 years of experience in open pit mining as a surveyor-drilling-blasting supervisor.
  
2. I have successfully completed a prospectors' course put on by Ed Kimura of Endako Mines in 1971.
  
3. I have been engaged in prospecting activities over the past 41 years and have held mineral claims in the Coquihalla, Fraser Lake, Cedarville and Terrace areas.
  
4. I have done the geochemical field work required for this report.

  
for Gary W. Kurz,  
Prospector

**APPENDIX C**

**FIELD NOTES**



P1

Co-ordinates:

03 BOQUE

59 76675N

SKIP SOIL SAMPLING July 7, 2013 7 AM G.K.

13099 This is 13181!!

silt

13100 ✓ 1152 m 0380911 E 5976675N

grey brown active silt - small stream

13101 ✓ 1149 m 80967 E 76711 N

C-hor. 6" depth, med brn, silty soil, round rxs.

13102 ✓ 1145 m 81044 E 76711 N

B-hor. 6" depth pale rusty silty soil, round rxs

13103 ✓ 1144 m 81108 E 76811 N

C-hor. med. brn. silty soil subround rxs. ~6" depth

13104 ✓ 1149 m 81159 E 76835 N

wet grey-brn clayey soil, 10-12" depth, felsite frags.

13105 ✓ 1163 m 81184 E 76788 N

C-hor, 10" depth, grey-brn, clayey soil

13106 ✓ 1161 m 81151 E 76747 N

C-hor, rocky, very little soil - felsite frags. 2-3"

13107 ✓ 1166 m 81109 E 76698 N

c-hor. rocky soil, pale grey brn, silty 2-3"

13108 ✓ 1171 m 81029 E 76652 N

rocky, very little soil, grey brn, silty, ~4"

P2

SKIP SOIL SAMPLING July 7, 2013 G.K.

13109 1170 m 80981 E 76620 N

4", B-soil along ridge, grey brn, round rxs

13110 1162 m 80951 E 76603 N

10" depth, dark brn clay with charcoal, beneath stream gravel.

13111 1171 m 80901 E 76588 N

8" depth, C-hor, grey silty soil, angular rxs.

13112 1162 m 80803 E 76621 N

8" depth C-hor med. grey clayey soil

13113 1160 m 80866 E 76652 N

6" depth grey-brn silty soil, angular rx frags.

13114 1114 m 80744 E 76739 N

6", C-hor. pale grey silty soil

13115 1120 m 80792 E 76765 N

6", C-hor, pale grey silty soil

13116 1129 m 80833 E 76806 N

6", C-hor, pale grey silty soil, angular rx. frags.

13117 1132 m 80948 E 76837 N

6", C-hor. pale brn. silty soil

13118 1123 m 80965 E 76893

6", C-hor.? deep dark brn. clay, almost black,

## SKIP SOIL SAMPLING July 7, 2013 G.K.

13119 1103 m 8380912E 5976962N  
seepage? 10" dark brn clay, pale rusty bands + organics

13120 1088 m 80871E 76959N  
C-hor 8" depth pale brn silty subang rxs

13121 1091 m 80784E 76958N  
C-hor 8" depth pale brn silty soil as above

Finis - home 4:30 PM. 9 1/2 hrs

July 16 8:00 AM 2013 G.K.

13122 1040 m 80993E 77313N  
C+B hor. 6" pale brn sub. ang rxs.

13123 1054 m 81048E 77251N  
C-hor. 12" "rusty brn" like B-hor. silty.

13124 1073 m 81104E 77165N  
C-hor 12", grey brn. round rxs

13125 1083 m 81204E 77182N  
C-hor 8" under stump grey brn silty

13126 1095 m 81255E 77140N  
C-hor. 8", brn. silty subang rx

13127 1102 m 81307E 77155N  
B-hor 6" depth, grey brn silty

## SKIP SOIL SAMPLING July 16, 2013 G.K.

13128 1115 m 81371E 77177N  
C-hor. 8" depth grey brn silty, rounded rxs

13129 1154 m 81446E 77139N  
colluvial soil, 8", steep, brn angular rxs

13130 1138 m 81513E 77159E  
B-hor. 6" subang rxs. silty soil

13131 1142 m 81513E 77182E  
in gully, 6" B-hor? brn silty soil  
\* high Fe-Aln  
→ char  
PT'a.

13132 1150 m 81643E 77258E  
on divide ridge, C-hor 8" brn silty

13133 1122 m 81617E 77237N  
C-hor 6" dept grey brn clayey

13134 1111 m 81560E 77297N  
C-hor 6" depth grey brn

13135 1103 m 81581E 77359N  
C-hor 6" depth grey silty

13136 1091 m 81536E 77444N  
C-hor, pale grey clay round rx. 6" depth

13137 1056 m 81476E 77414N  
C-hor 6" pale grey clay with charcoal frags

## SKIP SOIL SAMPLING July 16, 2013 cont'd G.K.

13138 1051m 81411 E 77425 N

jet black clay + organic matter from small stream

13139 1050m 81371 E 77385 N

silty soil 6" med-brn rounded rx = c-hor

13140 1058m 81255 E 77316 N

6" depth dark brn, round rx. B+C hor. } fine  
8 1/2 hrs

July 17, 2013 9:20 AM

13142 1167m 381997E 5977230 N

c-hor, 8", med brn. Subang. rx

13143 1155 382118 E 977157 N

rocky area, very little soil, grey brn silt

13144 1152m 382129 E 977651 N

rocky area as above little soil, grey brown silt

13145 1169m 382118 E 976865 N

wet area 6" c-hor. dk brn clay with angular rx

13146 1182m 382076 E 976827 N

logging disturbed soil 6" grey brn, charcoal frags, rounded rx

13147 1195m 382035 E 976789 N

logging disturbed soil 6" med. brn, charcoal frags, rounded rx

13148 1202m 381943 E 976864 N

c-hor 6", med. brn charcoal frags, rounded rx

## SKIP SOIL SAMPLING July 17, 2013 cont'd G.K.

13149 1201m 381933 E 976929 N

c-hor rocky ground 6", dark brn, charcoal frags

13150 1205m 381931 E 977019 N

12" down under stump, med brn silt round rx frags. c-hor.

13151 1184m 381882 E 977116 N

6" B-hor??, rusty brn silt, moist ang. rx frags (bedrock??)

13152 1163m 381833 E 977212 N

6" B-hor? similar to above, ang rx frags

13153 1147m 381333 E 977274 N

8" c-hor under stump, grey brn, round rx

13154 1136m 381864 E 977357 N

6" B-hor grey brn round rx

13155 1137m 381914 E 977342 N

6" B-hor grey brn round rx

13156 1141m 381953 E 977267 N

6" c-hor grey brn round rx; rocky ground

13157 1155m 381960 E 977225 N

8" c-hor med brn rounded

13158 1164m 382001 E 977292 N

6" c-hor under stump, brn, angular rx

prob  
glacial  
fill  
origin

## SKIP SOIL SAMPLING July 17, 2013 cont'd G.K.

13159 1167m 382067E 977290N

6" c-hor. rd bank dk rusty brn very ang rx (nr hearx?)

13160 1157m 382140E 977291N } fine

8" c-hor. rd bank med brn ang rx } 6.00 pm.  
8 1/2 hrs

July '18, 2013, 8.00 AM.

13162 1097m 382270E 977612N

wet jet black organic clay 10" depth

13163 1042m 382136E 977639N

6" c-hor logging disturbed, grey-brn, rounded rx

13164 1052m 382065E 977625N

rd bank soil c-hor, light brn silty, sub ang rx.

13165 1063m 381997E 977594N

under stump c-hor, light brown silt sub ang-rd rx

13166 1068m 381894E 977522N

6" c-hor. wet med brn sub round rx.

13167 1079m 381913E 977403N

devil's club patch 8" dark brn clayey ang + rd rx

13168 1095m 382018E 977482N

c-hor under stump ~12" med brn ang + sub rd rx

13169 1068m 381836E 977585N

c-hor 8" wet dark brn clayey round rx

## SKIP SOIL SAMPLING July 18, 2013 G.K.

13170 1061m 381932E 977608N

very rocky grey silt ang rx. c-hor

13171 1202m 381250E 976715N

c-hor 10" pale grey silty

13172 1217m 381389E 976693N

c-hor 8" pale grey silty

13173 1221m 381441E 976681N

c-hor 6" brn silty soil

13174 1229m 381520E 976750N

c-hor 6" rocky red soil

13175 1252m 381612E 976832N

soil from fallen tree hole ~12" deep, grey silty soil

13176 1251m 381699E 976804N

rocky soil ang frag, 8" depth c-hor.

13177 1235m 381744E 976720N

nr lake ~24" deep under peat dk brn to blk with rusty streaks, clay  
slight drainage from west

13178 1228m 381810E 976756N

c-hor 6" rocky, brn silty ang frags

P9

SKIP SOIL SAMPLING July 18, 2013 G.K.

13179 1236m 381817 E 976851 N

silty soil from fallen tree hole ~12" on divide

13180 1217m 381825 E 976901 N

~24" depth from crk to N, jet blk clay + organic

13181 1229m 381829 E 976954 N

6" c-hor. brn silty soil

13182 1233m 381825 E 976941 N

10" c-hor grey silt round rx's - (till?)

13183 1224m 381634 E 977026 N

rocky steep slope, 6" c-hor. grey brn rounded rx

13185 1206m 380921 E 976424 N

rock outcrop. grey G.D. with red K'spar  
veinlets.

Finis @ 5:15 PM. 9 hrs

**APPENDIX D**

**GEOCHEMICAL REPORTS**



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **BYSOUTH, GARRY**  
**12340 CHRISTIE ROAD**  
**BOSWELL BC V0B 1A4**

**INVOICE NUMBER 2968834**

BILLING INFORMATION		
Certificate:	<b>VA13144279</b>	
Sample Type:	<b>Soil</b>	
Account:	<b>BYSGAR</b>	
Date:	<b>18- AUG- 2013</b>	
Project:	<b>SKIP</b>	
P.O. No.:		
Quote:		
Terms:	<b>Due on Receipt</b>	<b>C1</b>
Comments:		

ANALYSED FOR			UNIT	TOTAL
QUANTITY	CODE	DESCRIPTION	PRICE	
1	BAT- 01	Administration Fee	33.10	33.10
82	PREP- 41	Dry, Sieve (180 um) Soil	1.45	118.90
11.92	PREP- 41	Weight Charge (kg) - Dry, Sieve (180 um) Soil	2.35	28.01
82	ME- MS41L	51 anal. aqua regia ICPMS	28.70	2,353.40

To: **BYSOUTH, GARRY**  
**12340 CHRISTIE ROAD**  
**BOSWELL BC V0B 1A4**

SUBTOTAL (CAD)	\$	2,533.41
R100938885 GST	\$	126.67
<b>TOTAL PAYABLE (CAD)</b>	<b>\$</b>	<b><u>2,660.08</u></b>

Payment may be made by: Cheque or Bank Transfer

Please Remit Payments To :  
**ALS Canada Ltd.**  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7

Beneficiary Name: ALS Canada Ltd.  
 Bank: Royal Bank of Canada  
 SWIFT: ROYCCAT2  
 Address: Vancouver, BC, CAN  
 Account: 003-00010-1001098  
 Please send payment info to [accounting.canusa@alsglobal.com](mailto:accounting.canusa@alsglobal.com)



ALS Canada Ltd.  
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To: **BYSOUTH, GARRY**  
**12340 CHRISTIE ROAD**  
**BOSWELL BC V0B 1A4**

Page: 1  
 Finalized Date: 18- AUG- 2013  
 Account: BYSGAR

**CERTIFICATE VA13144279**

Project: SKIP  
 P.O. No.:  
 This report is for 82 Soil samples submitted to our lab in Vancouver, BC, Canada on 8- AUG- 2013.

The following have access to data associated with this certificate:

GARRY BYSOUTH

**SAMPLE PREPARATION**

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
SCR- 41	Screen to - 180um and save both

**ANALYTICAL PROCEDURES**

ALS CODE	DESCRIPTION
ME-MS4.1L	51 anal. aqua regia ICMS

To: **BYSOUTH, GARRY**  
**12340 CHRISTIE ROAD**  
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*

Signature:   
 Colin Ramshaw, Vancouver Laboratory Manager





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Page: 2 - A  
 Total # Pages: 4 (A - D)  
 Plus Appendix Pages  
 Finalized Date: 18- AUG- 2013  
 Account: BYSGAR

Project: SKIP

**CERTIFICATE OF ANALYSIS VA13144279**

Sample Description	Method Analyte Units LOR	WEI- 21	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm
13099		0.14	0.0016	1.485	2.23	3.08	<10	135.5	2.33	0.581	1.49	0.567	83.3	9.26	29.3	7.76
13100		0.12	0.0005	0.334	0.71	1.40	<10	56.9	0.17	0.302	0.38	0.446	11.85	3.55	18.90	2.57
13101		0.18	0.0025	0.715	1.77	1.74	<10	101.5	1.42	0.528	0.60	0.258	83.6	7.04	14.50	2.45
13102		0.24	0.0004	0.479	1.22	2.28	<10	45.2	0.36	0.414	0.21	0.125	13.00	4.34	13.65	2.33
13103		0.16	0.0018	0.636	1.91	1.94	<10	83.3	0.97	0.551	0.54	0.274	45.9	7.79	24.2	4.64
13104		0.16	0.0034	0.974	2.32	3.06	<10	124.0	2.29	0.549	0.82	0.256	104.5	7.89	18.05	3.39
13105		0.16	<0.0002	0.454	1.17	1.62	<10	70.9	0.46	0.310	0.56	0.198	27.9	4.67	11.60	1.965
13106		0.12	0.0016	0.210	0.57	1.70	<10	38.2	0.21	0.311	0.12	0.196	12.25	1.895	7.64	2.11
13107		0.18	0.0002	0.135	1.02	1.05	<10	50.8	0.25	0.218	0.17	0.146	11.60	3.48	30.1	3.43
13108		0.16	0.0012	0.391	1.32	1.55	<10	75.0	0.31	0.341	0.28	0.279	11.85	5.96	24.8	3.47
13109		0.18	0.0008	0.156	0.90	1.59	<10	48.2	0.16	0.340	0.15	0.134	10.85	3.67	19.15	1.910
13110		0.16	0.0072	2.06	2.17	1.89	<10	135.0	2.32	0.555	1.37	0.528	67.3	8.54	24.0	6.50
13111		0.14	0.0004	0.321	0.79	1.21	<10	58.5	0.21	0.165	0.14	0.181	9.44	1.910	8.37	3.54
13112		0.18	0.0003	0.207	0.57	0.75	<10	47.1	0.19	0.201	0.23	0.242	13.90	2.01	7.54	0.903
13113		0.18	0.0006	0.199	0.46	0.93	<10	24.4	0.16	0.196	0.12	0.110	5.54	1.210	4.91	2.70
13114		0.20	0.0012	0.279	0.73	1.32	<10	33.8	0.27	0.157	0.24	0.140	20.3	2.94	7.87	0.893
13115		0.24	0.0003	0.227	0.48	0.87	<10	57.6	0.14	0.122	0.15	0.457	13.45	2.07	6.41	1.080
13116		0.20	0.0003	0.204	0.70	2.28	<10	53.4	0.21	0.163	0.25	0.129	12.25	2.74	7.28	1.175
13117		0.32	<0.0002	0.308	1.14	2.26	<10	94.6	0.32	0.317	0.36	0.349	10.95	4.62	10.95	1.615
13118		0.10	0.0013	4.21	2.89	2.40	<10	209	4.24	1.245	1.68	0.999	100.5	8.57	15.15	8.55
13119		0.08	0.0078	7.98	3.83	3.04	<10	323	8.23	4.76	1.37	2.06	132.5	12.05	19.95	12.75
13120		0.14	0.0003	0.316	1.09	1.44	<10	95.6	0.33	0.953	0.14	0.283	10.30	4.82	16.70	1.745
13121		0.10	0.0007	0.533	0.62	1.44	<10	83.3	0.24	1.180	0.62	0.653	10.00	2.59	8.28	2.96
13122		0.16	0.0006	0.432	1.69	2.36	<10	104.5	0.58	0.904	0.56	0.439	20.8	9.06	72.0	2.48
13123		0.16	0.0009	0.137	0.98	1.82	<10	53.0	0.28	0.479	0.26	0.118	14.10	4.56	15.40	1.060
13124		0.16	<0.0002	0.287	0.77	1.09	<10	60.6	0.26	1.235	0.34	0.188	13.05	4.15	9.50	0.894
13125		0.18	0.0002	0.256	0.54	1.09	<10	70.0	0.17	0.412	0.28	0.239	9.90	2.72	11.30	0.992
13126		0.16	0.0002	0.672	1.61	1.74	<10	106.0	0.68	0.902	0.46	0.621	40.1	7.26	17.05	2.14
13127		0.20	0.0029	0.610	1.51	2.34	<10	88.6	0.72	1.105	0.73	0.215	35.6	7.61	16.35	2.11
13128		0.14	0.0005	0.331	0.82	1.37	<10	37.1	0.28	0.674	0.31	0.146	13.45	4.07	11.10	1.395
13129		0.10	0.0006	0.143	0.64	0.85	<10	36.1	0.16	1.585	0.15	0.067	9.26	2.76	8.72	1.195
13130		0.20	0.0006	0.204	0.83	1.75	<10	34.8	0.25	1.480	0.23	0.067	9.65	3.55	10.30	1.175
13131		0.14	0.0005	1.235	1.65	1.05	<10	76.8	1.21	0.699	1.12	0.415	32.2	11.65	16.55	7.35
13132		0.14	0.0010	0.386	0.85	0.87	<10	77.6	0.23	0.697	0.28	0.374	9.80	11.50	12.70	2.44
13133		0.24	0.0006	0.165	0.87	1.14	<10	43.3	0.33	0.472	0.17	0.074	9.46	4.26	11.30	1.620
13134		0.10	0.0017	0.390	0.74	1.33	<10	31.1	0.26	0.620	0.25	0.148	12.00	4.41	13.00	1.370
13135		0.18	0.0004	0.162	0.71	0.79	<10	44.0	0.20	0.476	0.27	0.121	10.40	3.79	16.70	1.120
13136		0.18	0.0017	0.173	0.83	1.38	<10	46.0	0.24	0.466	0.22	0.092	14.05	3.94	12.05	0.874
13137		0.12	0.0003	0.251	0.69	0.81	<10	51.8	0.23	0.434	0.30	0.219	12.85	2.56	14.75	0.796
13138		0.04	0.0022	2.33	0.93	0.84	<10	81.3	2.18	0.543	3.24	1.845	28.5	4.27	24.6	4.32

\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*



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To: BYSOUTH, GARRY  
 12340 CHRISTIE ROAD  
 BOSWELL BC V0B 1A4

Page: 2 - B  
 Total # Pages: 4 (A - D)  
 Plus Appendix Pages  
 Finalized Date: 18- AUG- 2013  
 Account: BYSGAR

Project: SKIP

**CERTIFICATE OF ANALYSIS VA13144279**

Sample Description	Method Analyte Units LOR	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L
		Cu ppm	Fe %	Ga ppm	Ge ppm	Hf ppm	Hg ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm
13099		78.1	2.92	7.75	0.402	0.083	0.081	0.044	0.08	156.5	33.7	0.88	1250	5.17	0.018	0.724
13100		12.15	1.890	5.53	0.036	0.011	0.051	0.012	0.06	6.80	7.2	0.21	557	5.74	0.014	0.808
13101		41.5	2.57	7.29	0.097	0.017	0.026	0.030	0.04	40.1	14.9	0.35	934	3.78	0.014	1.165
13102		9.95	2.20	6.49	0.030	0.020	0.031	0.020	0.04	6.55	23.1	0.33	240	3.28	0.012	1.460
13103		23.9	2.87	9.34	0.211	0.020	0.026	0.026	0.06	85.3	43.8	0.57	486	4.52	0.017	1.165
13104		53.5	2.68	8.98	0.279	0.077	0.034	0.045	0.10	132.5	28.6	0.52	1340	5.21	0.019	1.240
13105		14.95	1.840	4.75	0.043	0.016	0.030	0.019	0.05	16.55	20.5	0.27	613	2.44	0.013	1.225
13106		5.12	1.680	5.16	0.029	0.010	0.025	0.015	0.04	5.43	4.8	0.07	112.0	5.78	0.010	0.900
13107		5.29	1.770	6.28	0.027	0.014	0.026	0.011	0.08	5.52	10.4	0.31	207	2.66	0.013	0.977
13108		10.40	2.37	7.07	0.032	0.008	0.040	0.017	0.07	6.03	22.6	0.46	337	2.28	0.012	0.986
13109		6.93	2.04	6.68	0.031	0.012	0.023	0.021	0.04	5.82	8.0	0.27	186.5	3.44	0.012	0.760
13110		77.1	2.32	7.13	0.477	0.121	0.086	0.026	0.07	185.5	28.7	0.54	564	5.93	0.014	0.672
13111		8.41	1.700	5.28	0.014	0.010	0.032	0.011	0.04	5.94	5.9	0.11	150.0	5.82	0.010	1.195
13112		6.96	1.260	3.23	0.008	0.013	0.012	0.011	0.04	8.04	5.3	0.13	124.5	1.50	0.011	0.892
13113		13.25	1.410	3.59	<0.005	<0.002	0.036	0.013	0.04	3.32	1.8	0.03	94.3	14.05	0.000	0.279
13114		6.72	1.400	3.08	0.032	0.020	0.009	0.010	0.04	12.25	7.0	0.23	403	2.39	0.012	0.972
13115		5.59	1.080	2.64	0.012	0.008	0.029	0.010	0.05	8.12	4.9	0.10	250	3.40	0.009	0.652
13116		8.28	1.440	3.77	0.018	0.010	0.017	0.009	0.05	7.25	7.8	0.14	256	3.01	0.009	0.853
13117		10.95	2.17	5.07	0.015	0.011	0.043	0.014	0.06	6.00	15.6	0.28	448	3.86	0.010	0.954
13118		172.0	2.83	10.75	0.567	0.141	0.081	0.058	0.11	240	40.6	0.45	2370	17.90	0.017	1.020
13119		738	4.14	12.10	0.742	0.326	0.071	0.091	0.12	298	43.8	0.58	1300	22.0	0.020	1.440
13120		13.50	2.24	6.54	0.015	0.012	0.019	0.026	0.05	6.50	17.6	0.34	230	6.87	0.009	1.630
13121		26.8	1.630	5.18	0.011	0.004	0.035	0.016	0.12	6.35	7.2	0.19	302	14.55	0.009	0.828
13122		29.2	3.03	7.88	0.047	0.038	0.014	0.029	0.22	9.35	33.2	0.88	358	11.90	0.013	1.430
13123		10.45	2.01	4.08	0.026	0.034	0.018	0.016	0.03	7.17	15.1	0.31	245	5.80	0.010	1.245
13124		10.85	1.560	3.64	0.018	0.018	0.027	0.018	0.04	7.28	9.9	0.22	302	2.95	0.010	0.926
13125		12.40	1.380	3.52	0.011	0.012	0.018	0.013	0.06	5.30	5.4	0.13	152.5	2.52	0.010	0.855
13126		30.7	2.28	5.60	0.033	0.026	0.019	0.033	0.07	14.35	26.2	0.37	667	4.34	0.011	1.470
13127		58.2	2.25	5.61	0.042	0.081	0.016	0.023	0.10	14.35	19.8	0.52	698	4.08	0.017	0.957
13128		13.50	1.730	4.02	0.019	0.013	0.010	0.018	0.05	6.56	10.5	0.25	235	2.96	0.009	0.973
13129		7.14	1.460	4.40	0.009	0.004	0.012	0.015	0.05	5.14	6.3	0.17	139.5	2.69	0.008	0.513
13130		8.17	1.990	4.72	0.014	0.010	0.020	0.022	0.06	5.38	12.4	0.26	199.0	5.62	0.008	0.942
13131		360	2.25	6.57	0.107	0.024	0.057	0.036	0.05	33.3	25.2	0.29	2810	28.6	0.012	0.871
13132		21.4	2.33	5.39	0.017	0.011	0.021	0.023	0.06	5.15	10.5	0.32	900	7.16	0.016	0.642
13133		10.35	2.04	5.82	0.014	0.036	0.021	0.021	0.04	5.34	10.4	0.15	149.5	2.72	0.010	1.050
13134		12.85	1.890	4.32	0.019	0.018	0.020	0.020	0.05	6.26	9.8	0.24	198.5	4.97	0.010	1.150
13135		15.70	1.590	4.38	0.014	0.012	0.027	0.009	0.06	5.76	8.6	0.22	213	3.55	0.000	0.889
13136		10.85	1.720	3.64	0.031	0.061	0.010	0.022	0.04	7.28	12.1	0.26	245	3.66	0.010	1.415
13137		8.52	1.280	4.23	0.038	0.042	0.015	0.015	0.05	6.89	8.0	0.19	139.5	2.66	0.009	1.040
13138		920	1.010	3.94	0.292	0.090	0.081	0.018	0.06	104.0	12.6	0.29	255	16.85	0.014	0.399



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Page: 2 - C  
 Total # Pages: 4 (A - D)  
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Project: SKIP

**CERTIFICATE OF ANALYSIS VA13144279**

Sample Description	Method Analyte Units LOR	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	
		Ni ppm	P %	Pb ppm	Pd ppm	Pt ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm
13099		15.05	0.102	17.55	0.004	<0.002	10.55	0.004	0.08	0.523	6.29	2.9	0.62	92.0	<0.005	0.10
13100		5.43	0.041	8.05	0.001	<0.002	12.15	<0.001	0.04	0.272	0.936	0.1	0.79	22.0	<0.005	0.04
13101		6.24	0.068	16.60	0.001	<0.002	9.08	<0.001	0.02	0.211	2.04	0.6	0.66	35.7	<0.005	0.05
13102		5.24	0.158	8.64	<0.001	<0.002	9.14	<0.001	0.02	0.280	1.810	0.2	0.66	16.90	<0.005	0.04
13103		10.25	0.046	14.70	<0.001	<0.002	14.85	<0.001	0.03	0.289	2.94	1.1	0.85	35.7	<0.005	0.06
13104		11.15	0.051	21.8	0.003	<0.002	16.25	0.001	0.02	0.295	4.63	1.9	0.67	45.9	<0.005	0.07
13105		4.87	0.049	9.35	<0.001	<0.002	9.44	<0.001	0.02	0.187	1.525	0.3	0.52	32.0	<0.005	0.04
13106		2.38	0.042	7.44	0.001	<0.002	9.77	<0.001	0.02	0.668	0.873	0.1	0.96	11.45	<0.005	0.07
13107		9.74	0.067	6.88	<0.001	<0.002	11.45	<0.001	0.02	0.212	1.530	0.1	0.63	11.25	<0.005	0.02
13108		9.20	0.141	7.20	<0.001	<0.002	21.0	<0.001	0.03	0.312	1.835	0.1	0.80	20.7	<0.005	0.06
13109		6.40	0.059	7.99	<0.001	<0.002	9.05	<0.001	0.01	0.370	1.465	0.1	0.77	9.74	<0.005	0.05
13110		11.90	0.093	18.25	0.002	<0.002	10.10	0.005	0.13	0.587	6.39	3.9	0.73	88.2	<0.005	0.09
13111		2.71	0.049	10.75	<0.001	<0.002	6.10	<0.001	0.01	0.282	1.015	0.1	0.74	10.75	<0.005	0.03
13112		2.58	0.023	10.85	<0.001	<0.002	10.40	<0.001	0.01	0.166	1.150	<0.1	0.43	19.70	<0.005	0.02
13113		1.75	0.054	4.87	<0.001	<0.002	9.92	0.001	0.02	0.753	0.287	0.1	0.86	8.59	<0.005	0.02
13114		3.55	0.040	13.00	<0.001	<0.002	6.06	<0.001	0.01	0.204	1.336	0.2	0.38	20.9	<0.005	0.03
13115		3.05	0.036	9.31	<0.001	<0.002	12.10	<0.001	0.02	0.190	0.704	0.2	0.33	21.4	<0.005	0.02
13116		3.12	0.037	12.00	<0.001	<0.002	10.10	<0.001	0.02	0.184	0.793	0.1	0.40	21.4	<0.005	0.03
13117		4.65	0.173	11.40	<0.001	<0.002	11.90	<0.001	0.02	0.279	1.230	0.3	0.58	27.7	<0.005	0.05
13118		12.80	0.116	33.3	<0.001	<0.002	20.6	0.001	0.09	0.407	4.72	4.2	1.05	112.5	<0.005	0.11
13119		20.3	0.106	40.2	<0.001	<0.002	19.85	0.002	0.08	0.626	10.50	6.2	1.36	110.5	<0.005	0.19
13120		6.03	0.093	8.85	<0.001	<0.002	10.80	<0.001	0.01	0.280	1.600	<0.1	1.04	13.25	<0.005	0.06
13121		4.34	0.041	11.85	<0.001	<0.002	18.85	<0.001	0.04	0.371	0.948	0.2	1.06	40.6	<0.005	0.05
13122		23.5	0.030	19.50	0.001	<0.002	30.6	<0.001	0.02	0.265	3.24	0.3	0.99	44.3	<0.005	0.09
13123		6.55	0.042	18.05	<0.001	<0.002	5.84	<0.001	0.01	0.234	1.790	0.2	0.58	29.3	<0.005	0.05
13124		3.99	0.054	12.50	<0.001	<0.002	8.57	<0.001	0.02	0.285	1.555	0.2	0.58	28.1	<0.005	0.05
13125		4.40	0.037	7.67	<0.001	<0.002	15.70	<0.001	0.02	0.188	1.120	0.2	0.63	20.2	<0.005	0.01
13126		8.24	0.040	16.85	<0.001	<0.002	21.6	<0.001	0.02	0.305	2.55	0.3	0.84	32.1	<0.005	0.06
13127		8.74	0.053	25.9	<0.001	<0.002	11.55	<0.001	0.02	0.368	4.17	0.4	0.83	44.3	<0.005	0.10
13128		4.74	0.046	12.80	<0.001	<0.002	12.40	<0.001	0.01	0.294	1.405	0.1	0.62	21.5	<0.005	0.04
13129		2.96	0.056	9.28	<0.001	<0.002	11.75	<0.001	0.01	0.266	0.762	0.2	0.89	14.80	<0.005	0.05
13130		4.13	0.083	12.35	<0.001	<0.002	11.35	<0.001	0.02	0.278	1.280	0.2	0.76	18.25	<0.005	0.07
13131		12.30	0.076	18.10	0.001	<0.002	9.84	<0.001	0.04	0.214	3.56	1.4	0.80	58.6	<0.005	0.05
13132		5.87	0.067	11.55	<0.001	<0.002	24.5	0.001	0.02	0.259	1.710	0.1	1.51	28.8	<0.005	0.12
13133		3.96	0.103	10.95	<0.001	<0.002	10.15	<0.001	0.01	0.200	1.700	0.3	0.87	18.25	<0.005	0.07
13134		5.29	0.036	12.10	<0.001	<0.002	13.95	0.001	0.01	0.249	1.626	0.1	0.75	19.30	<0.005	0.05
13135		5.74	0.030	10.40	<0.001	<0.002	15.85	<0.001	0.01	0.184	1.566	0.1	0.79	25.2	<0.005	0.05
13136		5.22	0.048	16.85	<0.001	<0.002	6.40	<0.001	0.01	0.271	1.655	0.2	0.60	21.8	<0.005	0.06
13137		4.96	0.055	14.10	0.001	<0.002	12.60	<0.001	0.02	0.174	1.265	0.1	0.63	26.3	<0.005	0.04
13138		10.90	0.086	20.7	0.014	<0.002	7.50	0.035	0.33	0.542	8.37	7.7	0.35	152.5	0.006	0.04



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: BYSOUTH, GARRY  
 12340 CHRISTIE ROAD  
 BOSWELL BC V0B 1A4

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**CERTIFICATE OF ANALYSIS VA13144279**

Sample Description	Method Analyte Units LOR	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L
		Th ppm	TI %	TI ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.002	0.001	0.002	0.005	0.1	0.001	0.003	0.1	0.01
13099		1.780	0.023	0.147	11.30	59.1	0.259	92.8	60.1	2.29
13100		0.108	0.046	0.043	0.521	55.7	0.222	2.27	56.6	0.32
13101		0.734	0.030	0.053	3.44	50.4	0.894	15.20	62.6	0.36
13102		1.240	0.045	0.037	0.612	48.1	0.282	2.83	47.7	0.78
13103		1.230	0.029	0.085	2.09	64.9	0.267	28.4	71.4	0.63
13104		2.79	0.037	0.129	10.85	53.3	0.235	48.3	69.3	2.30
13105		0.580	0.047	0.042	2.06	41.4	0.176	6.44	50.9	0.49
13106		0.242	0.031	0.038	0.721	30.7	0.242	1.740	35.5	0.38
13107		0.619	0.051	0.062	0.454	49.1	0.338	1.795	40.6	0.46
13108		0.321	0.043	0.059	0.535	53.1	0.316	2.37	84.8	0.20
13109		0.308	0.047	0.044	0.462	57.9	0.245	1.840	43.1	0.30
13110		1.800	0.018	0.126	19.90	54.0	0.463	118.0	61.2	2.64
13111		0.789	0.042	0.031	0.402	41.5	0.294	1.665	28.6	0.46
13112		0.697	0.051	0.038	0.549	30.2	0.190	2.65	33.1	0.46
13113		0.100	0.012	0.029	0.434	30.3	0.413	1.205	28.4	0.01
13114		0.783	0.056	0.038	0.712	32.2	0.208	5.16	37.7	0.52
13115		0.154	0.038	0.039	0.423	25.6	0.165	2.29	39.2	0.17
13116		0.209	0.036	0.039	0.507	31.6	0.204	2.42	33.5	0.21
13117		0.525	0.031	0.046	0.480	43.9	0.277	2.31	76.2	0.32
13118		2.91	0.010	0.135	19.00	41.8	0.261	138.5	91.8	3.54
13119		7.80	0.017	0.302	30.2	57.2	0.888	197.5	119.5	8.08
13120		0.794	0.044	0.056	0.556	52.7	0.508	2.60	68.0	0.35
13121		0.212	0.032	0.036	0.573	45.6	0.426	1.905	62.2	0.15
13122		1.355	0.131	0.111	1.115	80.5	1.275	4.29	81.5	1.32
13123		1.340	0.054	0.037	0.720	44.5	0.317	3.74	61.5	1.06
13124		0.983	0.035	0.043	0.577	34.3	0.285	2.81	38.8	0.63
13125		0.510	0.043	0.041	0.397	35.7	0.557	1.880	26.0	0.34
13126		1.145	0.042	0.080	1.340	51.0	0.735	7.62	66.3	0.65
13127		2.52	0.041	0.095	1.575	48.4	0.352	11.15	71.4	2.61
13128		0.895	0.042	0.040	0.527	39.4	0.413	2.71	39.2	0.49
13129		0.072	0.030	0.036	0.418	34.7	0.592	1.955	24.2	0.13
13130		0.296	0.041	0.036	0.460	44.2	0.446	2.18	28.5	0.26
13131		0.581	0.036	0.067	2.95	48.7	1.060	28.7	41.7	0.45
13132		0.210	0.044	0.042	0.400	63.0	2.35	2.46	42.6	0.19
13133		1.495	0.048	0.038	0.524	49.6	0.855	2.09	30.3	1.17
13134		1.095	0.053	0.035	0.491	48.4	1.335	2.42	35.4	0.67
13135		0.693	0.052	0.042	0.432	40.8	0.393	2.34	36.4	0.42
13136		1.520	0.061	0.029	0.626	48.4	0.420	3.46	41.2	2.16
13137		0.696	0.054	0.033	0.522	35.3	0.806	2.53	36.8	0.39
13138		0.541	0.012	0.156	27.2	19.3	0.188	173.0	85.3	2.89

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: BYSOUTH, GARRY  
 12340 CHRISTIE ROAD  
 BOSWELL BC V0B 1A4

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**CERTIFICATE OF ANALYSIS VA13144279**

Sample Description	Method Analyte Units LOR	WEI- 21	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	
		0.02	0.0002	0.001	0.01	0.01	<10	10	0.5	0.01	0.001	0.01	0.001	0.003	0.001	0.01	0.005
13139		0.18	0.0015	0.164	1.15	1.41	<10	52.4	0.49	0.599	0.29	0.139	24.4	5.06	17.70	1.620	
13140		0.20	0.0007	0.756	1.61	1.58	<10	64.5	1.14	1.475	0.55	0.217	45.2	7.56	23.5	5.43	
13142		0.12	0.0008	0.339	1.28	1.42	<10	25.0	0.27	0.347	0.33	0.087	9.57	9.03	34.6	6.54	
13143		0.08	0.0010	0.489	1.21	0.85	<10	44.6	0.39	0.301	0.39	0.153	12.45	8.80	18.60	2.94	
13144		0.12	0.0031	0.301	1.06	1.28	<10	60.5	0.23	0.250	0.46	0.314	10.15	8.84	28.1	2.35	
13145		0.20	0.0025	0.763	1.91	2.05	<10	66.9	0.71	0.415	0.75	0.136	38.9	14.35	57.1	2.09	
13146		0.10	0.0015	0.187	1.20	1.14	<10	48.4	0.28	0.392	0.35	0.202	12.50	8.36	20.5	1.760	
13147		0.10	0.0007	0.966	1.13	1.20	<10	54.2	0.20	0.894	0.30	0.093	12.90	6.18	15.00	1.405	
13148		0.14	0.0007	0.159	1.18	1.40	<10	47.0	0.17	0.233	0.22	0.090	10.15	8.38	20.7	2.35	
13149		0.08	0.0039	0.689	1.13	0.75	<10	80.8	0.39	0.321	0.72	0.503	20.4	13.50	18.00	3.73	
13150		0.12	0.0003	0.435	1.26	1.71	<10	47.8	0.30	0.234	0.19	0.116	13.20	6.49	15.45	1.505	
13151		0.16	0.0047	0.419	0.92	0.69	<10	39.1	0.21	0.254	0.21	0.133	9.78	6.78	13.75	5.86	
13152		0.08	0.0028	0.528	0.96	1.14	<10	91.9	0.23	0.529	0.39	1.010	12.45	7.91	22.1	5.25	
13153		0.18	0.0030	0.133	0.80	0.96	<10	29.2	0.18	0.659	0.32	0.178	8.44	4.41	15.00	2.92	
13154		0.18	0.0068	0.490	1.18	1.35	<10	29.2	0.36	0.424	0.24	0.069	10.35	4.09	14.95	8.73	
13155		0.12	0.0034	0.221	0.77	1.17	<10	25.5	0.17	0.414	0.18	0.105	9.02	3.99	12.70	3.68	
13156		0.12	0.0003	0.211	1.12	1.03	<10	36.2	0.21	0.803	0.29	0.096	8.80	7.19	20.2	3.67	
13157		0.14	0.0032	0.381	1.75	1.39	<10	33.2	0.51	0.237	0.26	0.121	12.80	13.20	31.1	9.27	
13158		0.14	0.0045	0.347	2.04	1.17	<10	43.8	0.43	0.622	0.24	0.070	8.92	8.48	24.0	5.22	
13159		0.12	0.0036	0.388	2.58	1.17	<10	48.2	0.68	0.575	0.26	0.093	9.75	13.00	46.7	5.12	
13160		0.16	0.0017	0.281	1.66	1.28	<10	38.1	0.45	0.514	0.33	0.084	12.75	11.00	27.5	2.91	
13162		0.08	0.0031	0.626	0.60	1.02	<10	39.6	0.42	0.253	2.10	1.055	7.65	5.25	12.30	3.62	
13163		0.10	0.0039	0.230	1.02	1.05	<10	41.7	0.23	0.533	0.53	0.111	9.20	5.19	17.20	2.13	
13164		0.10	0.0007	0.145	1.51	1.61	<10	50.7	0.45	1.210	0.32	0.061	10.80	10.45	25.7	1.895	
13165		0.08	0.0003	0.172	1.09	1.86	<10	44.8	0.21	1.466	0.45	0.408	8.44	7.13	21.1	6.88	
13166		0.22	0.0010	0.211	0.80	0.98	<10	31.5	0.19	0.616	0.23	0.153	8.58	4.38	15.85	1.355	
13167		0.14	0.0002	0.644	1.59	1.50	<10	66.6	0.87	0.533	0.81	0.516	30.8	10.65	23.8	5.35	
13168		0.14	0.0002	0.199	1.08	0.81	<10	31.7	0.24	0.284	0.22	0.077	9.01	7.63	21.9	4.09	
13169		0.12	0.0009	1.015	1.44	2.12	<10	60.9	1.02	1.890	0.94	1.195	27.7	7.79	21.1	3.27	
13170		0.14	0.0002	0.614	1.48	0.95	<10	98.2	0.46	0.425	0.88	2.37	9.13	18.25	70.6	4.28	
13171		0.12	<0.0002	0.317	0.57	0.76	<10	35.9	0.15	0.298	0.20	1.020	9.61	2.49	8.94	3.57	
13172		0.12	0.0002	0.317	0.61	0.69	<10	24.2	0.09	0.318	0.20	0.063	8.07	2.73	17.65	3.30	
13173		0.18	0.0004	0.304	0.80	0.62	<10	27.1	0.15	0.579	0.19	0.075	9.08	4.07	12.75	6.83	
13174		0.10	0.0002	0.027	2.47	0.41	<10	51.0	0.20	0.129	0.32	0.021	5.28	20.6	6.47	3.74	
13175		0.18	0.0011	0.159	1.68	0.92	<10	40.8	0.29	0.304	0.15	0.040	10.55	4.23	18.85	2.86	
13176		0.08	0.0002	0.200	0.96	1.03	<10	35.1	0.17	0.431	0.23	0.077	11.15	5.07	19.10	1.880	
13177		0.12	0.0034	4.07	3.23	1.74	<10	107.0	3.35	0.631	1.37	0.631	45.2	14.80	29.2	36.8	
13178		0.18	0.0166	0.249	1.91	1.39	<10	52.9	0.34	0.346	0.19	0.041	12.55	8.67	17.35	8.05	
13179		0.20	0.0007	0.469	2.12	2.53	<10	36.2	0.40	0.436	0.24	0.094	13.35	18.10	16.60	10.20	
13180		0.06	0.0093	2.87	2.58	1.30	<10	140.5	1.80	0.806	2.26	0.382	68.5	13.65	32.9	13.55	

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ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

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		Cu ppm 0.01	Fe % 0.001	Ga ppm 0.004	Ge ppm 0.005	Hf ppm 0.002	Hg ppm 0.004	In ppm 0.005	K % 0.01	La ppm 0.002	Li ppm 0.1	Mg % 0.01	Mn ppm 0.1	Mo ppm 0.01	Na % 0.001	Nb ppm 0.002
13139		14.90	1.730	4.32	0.040	0.034	0.017	0.025	0.04	9.23	14.9	0.34	295	5.51	0.011	1.290
13140		179.0	2.17	5.71	0.119	0.061	0.026	0.035	0.05	43.3	32.9	0.45	761	10.65	0.012	1.085
13142		15.80	3.19	8.25	0.035	0.017	0.038	0.024	0.03	5.10	24.5	0.66	276	21.4	0.009	1.240
13143		26.0	2.08	6.61	0.037	0.010	0.030	0.016	0.05	6.60	20.7	0.55	462	7.30	0.009	1.120
13144		17.25	2.52	6.65	0.036	0.014	0.031	0.021	0.08	5.45	21.5	0.51	347	3.70	0.009	1.375
13145		58.3	3.01	6.19	0.113	0.056	0.025	0.025	0.05	22.7	32.6	1.24	509	3.14	0.018	1.020
13146		17.35	2.25	5.64	0.041	0.011	0.033	0.024	0.05	6.48	17.8	0.48	370	2.06	0.009	0.979
13147		10.70	2.13	6.35	0.044	0.018	0.030	0.014	0.05	6.90	17.4	0.45	278	1.46	0.010	1.345
13148		15.20	2.67	7.14	0.034	0.011	0.018	0.017	0.04	5.43	23.2	0.57	364	2.82	0.008	1.125
13149		64.0	2.42	6.47	0.036	0.008	0.042	0.023	0.04	9.60	12.9	0.29	1850	4.41	0.010	0.955
13150		15.00	2.19	5.77	0.031	0.023	0.021	0.015	0.04	6.96	18.5	0.38	244	2.86	0.012	1.245
13151		11.65	2.09	6.22	0.028	0.011	0.019	0.008	0.03	5.24	11.0	0.23	456	2.47	0.008	0.864
13152		35.9	2.57	6.93	0.031	0.011	0.037	0.020	0.05	6.83	15.3	0.39	453	16.75	0.010	1.280
13153		17.00	2.19	6.09	0.031	0.011	0.021	0.013	0.04	4.48	10.6	0.30	172.5	15.75	0.009	0.836
13154		13.15	2.16	5.44	0.031	0.018	0.024	0.018	0.03	5.56	14.1	0.25	143.5	7.53	0.008	1.170
13155		11.80	2.05	5.73	0.032	0.014	0.015	0.015	0.04	4.76	10.3	0.23	164.5	9.27	0.008	1.025
13156		15.75	2.46	6.25	0.030	0.018	0.020	0.019	0.04	4.47	20.3	0.53	280	11.85	0.009	1.170
13157		38.1	3.16	7.71	0.045	0.015	0.022	0.023	0.04	6.19	32.6	0.91	445	9.74	0.010	1.640
13158		28.5	3.07	9.40	0.035	0.051	0.046	0.031	0.05	4.86	30.5	0.66	301	13.15	0.009	1.020
13159		38.9	3.87	11.80	0.043	0.014	0.041	0.038	0.05	5.12	38.6	0.80	318	13.45	0.010	1.265
13160		33.8	2.96	6.73	0.046	0.020	0.020	0.023	0.05	6.41	31.3	0.86	388	7.86	0.011	1.100
13162		388	1.010	2.25	0.051	0.013	0.106	0.010	0.03	11.95	10.8	0.27	683	12.10	0.009	0.425
13163		16.10	2.16	5.68	0.029	0.012	0.037	0.019	0.06	4.86	13.9	0.37	192.0	10.95	0.008	1.190
13164		26.3	2.39	5.48	0.048	0.028	0.026	0.030	0.05	5.45	23.5	0.71	372	6.07	0.009	0.981
13165		15.00	2.47	6.96	0.031	0.018	0.099	0.026	0.08	4.41	23.5	0.47	446	25.5	0.016	1.460
13166		14.15	1.750	4.90	0.035	0.014	0.027	0.014	0.04	4.78	11.7	0.32	206	8.74	0.007	0.955
13167		86.6	2.52	5.68	0.069	0.043	0.038	0.033	0.05	30.4	37.2	0.56	1610	23.5	0.011	1.055
13168		13.00	2.32	6.18	0.035	0.025	0.017	0.011	0.04	4.59	18.7	0.43	215	9.19	0.008	1.020
13169		129.0	2.17	5.38	0.091	0.028	0.044	0.038	0.05	28.6	29.2	0.39	456	13.95	0.012	1.205
13170		25.1	2.76	8.14	0.060	0.016	0.078	0.019	0.09	4.42	33.7	1.14	1740	9.08	0.008	1.490
13171		13.95	1.420	4.55	0.025	0.008	0.028	0.012	0.05	5.40	5.3	0.10	134.5	3.74	0.008	0.836
13172		7.16	1.460	4.76	0.022	0.004	0.030	0.018	0.04	4.45	4.6	0.14	137.0	2.11	0.008	0.505
13173		11.80	1.710	5.42	0.023	0.006	0.030	0.008	0.04	5.02	12.1	0.21	127.0	2.94	0.009	0.728
13174		2.75	6.12	12.45	0.096	0.027	0.023	0.021	0.08	2.38	50.1	2.15	610	1.56	0.010	0.861
13175		9.61	2.06	7.34	0.029	0.021	0.029	0.024	0.03	5.77	17.2	0.34	218	2.08	0.008	1.050
13176		14.80	1.990	5.43	0.030	0.002	0.037	0.014	0.05	5.55	12.3	0.41	197.5	4.35	0.006	0.632
13177		1485	3.41	9.42	0.183	0.297	0.118	0.049	0.07	55.9	74.5	0.47	920	16.70	0.028	3.23
13178		24.8	2.51	7.67	0.038	0.047	0.024	0.023	0.04	6.34	22.2	0.60	242	1.97	0.006	1.220
13179		150.5	6.02	9.67	0.052	0.026	0.028	0.016	0.06	6.79	30.7	0.60	338	10.40	0.004	1.465
13180		353	2.16	6.64	0.311	0.310	0.107	0.039	0.08	107.5	39.3	0.63	316	20.8	0.013	0.728

\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: BYSOUTH, GARRY  
 12340 CHRISTIE ROAD  
 BOSWELL BC V0B 1A4

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**CERTIFICATE OF ANALYSIS VA13144279**

Sample Description	Method Analyte Units LOR	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	
		Ni ppm	P %	Pb ppm	Pd ppm	Pt ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm
13139		7.09	0.038	23.6	0.001	<0.002	9.88	<0.001	0.02	0.201	2.07	0.2	0.63	23.9	<0.005	0.04
13140		11.35	0.039	29.4	0.002	<0.002	13.90	<0.001	0.03	0.274	4.86	0.7	0.73	38.3	<0.005	0.07
13142		13.30	0.033	6.54	0.001	<0.002	8.21	<0.001	0.03	0.296	2.97	0.1	0.93	21.0	<0.005	0.09
13143		9.27	0.053	10.35	0.003	<0.002	20.0	<0.001	0.03	0.209	2.22	0.2	0.89	39.7	<0.005	0.05
13144		10.85	0.071	7.36	0.002	<0.002	22.6	<0.001	0.04	0.305	2.69	0.2	0.67	34.1	<0.005	0.09
13145		29.0	0.074	13.30	0.004	0.009	5.83	<0.001	0.03	0.251	5.74	0.9	0.45	52.6	<0.005	0.07
13146		9.17	0.102	9.57	0.001	<0.002	13.00	<0.001	0.03	0.235	2.35	0.2	0.54	28.5	<0.005	0.08
13147		6.91	0.141	8.83	0.001	<0.002	13.60	<0.001	0.02	0.222	2.58	0.2	0.61	23.9	<0.005	0.07
13148		9.08	0.051	6.51	0.001	<0.002	9.24	<0.001	0.02	0.248	3.01	0.2	0.57	29.8	<0.005	0.08
13149		7.73	0.084	11.55	0.003	<0.002	12.60	<0.001	0.03	0.218	2.82	0.4	0.65	44.4	<0.005	0.04
13150		6.73	0.072	9.58	0.001	<0.002	7.73	<0.001	0.02	0.229	2.49	0.2	0.60	19.05	<0.005	0.06
13151		5.22	0.028	6.70	0.002	<0.002	10.85	<0.001	0.02	0.264	2.35	0.1	0.85	18.75	<0.005	0.04
13152		9.02	0.060	7.92	0.001	<0.002	17.15	<0.001	0.03	0.219	2.31	0.1	1.03	27.6	<0.005	0.13
13153		4.82	0.033	8.74	0.001	<0.002	11.25	<0.001	0.02	0.399	1.825	<0.1	1.08	29.0	<0.005	0.08
13154		5.48	0.059	11.40	0.001	<0.002	7.81	<0.001	0.02	0.325	1.920	0.1	0.74	19.20	<0.005	0.07
13155		4.05	0.066	7.44	0.002	<0.002	13.95	<0.001	0.02	0.237	2.06	0.1	0.92	17.05	<0.005	0.06
13156		8.28	0.070	10.30	0.002	<0.002	10.85	<0.001	0.02	0.236	2.66	0.1	0.98	23.4	<0.005	0.08
13157		14.15	0.048	8.37	0.002	<0.002	9.06	<0.001	0.02	0.303	3.97	0.2	0.87	22.5	<0.005	0.06
13158		10.75	0.141	8.25	0.002	<0.002	11.55	<0.001	0.02	0.241	3.38	0.1	1.10	37.5	<0.005	0.07
13159		20.8	0.159	9.58	0.002	<0.002	9.75	<0.001	0.03	0.208	3.67	0.3	1.37	24.4	<0.005	0.09
13160		14.45	0.080	8.30	0.002	<0.002	14.70	<0.001	0.02	0.317	3.38	0.2	0.85	23.8	<0.005	0.05
13162		7.47	0.089	11.35	0.004	<0.002	6.54	0.002	0.13	0.167	1.435	1.1	0.32	83.8	<0.005	0.03
13163		6.55	0.054	10.10	0.002	<0.002	14.15	<0.001	0.03	0.207	2.12	0.2	0.84	28.9	<0.005	0.08
13164		12.90	0.098	18.80	0.001	<0.002	9.20	<0.001	0.02	0.259	2.88	0.2	0.87	25.2	<0.005	0.08
13165		9.15	0.043	11.80	0.002	<0.002	25.9	<0.001	0.03	0.247	2.37	0.2	0.95	28.8	<0.005	0.10
13166		6.27	0.043	10.25	0.002	<0.002	9.05	<0.001	0.02	0.205	1.595	0.1	0.78	20.8	<0.005	0.05
13167		13.30	0.081	28.4	0.002	<0.002	11.70	<0.001	0.04	0.323	3.79	0.5	0.75	43.0	<0.005	0.04
13168		8.26	0.034	10.25	0.001	<0.002	10.15	0.001	0.02	0.214	2.45	0.1	0.81	18.80	<0.005	0.05
13169		9.48	0.058	20.9	0.004	<0.002	10.80	0.001	0.04	0.217	2.64	1.2	0.80	49.2	<0.005	0.08
13170		29.5	0.114	51.5	0.002	<0.002	12.20	<0.001	0.04	0.292	3.63	0.3	1.70	51.9	<0.005	0.07
13171		3.04	0.026	7.92	0.001	<0.002	13.50	<0.001	0.03	0.202	1.220	0.1	0.64	12.35	<0.005	0.03
13172		4.13	0.027	4.96	0.001	<0.002	8.97	<0.001	0.04	0.281	0.869	0.1	0.94	15.70	<0.005	0.05
13173		4.46	0.028	5.56	0.001	<0.002	12.55	<0.001	0.03	0.185	1.355	0.2	0.66	16.35	<0.005	0.24
13174		10.60	0.074	1.870	0.001	<0.002	10.80	<0.001	0.02	0.098	10.50	0.1	0.78	11.90	<0.005	0.01
13175		6.83	0.113	8.49	0.001	<0.002	9.06	<0.001	0.02	0.228	1.980	0.2	0.80	10.35	<0.005	0.02
13176		7.28	0.048	6.49	0.001	<0.002	9.93	<0.001	0.02	0.241	1.770	<0.1	0.64	24.8	<0.005	0.07
13177		30.5	0.127	15.10	0.032	0.003	11.55	0.005	0.06	0.672	11.15	2.9	0.93	90.4	0.045	0.10
13178		9.19	0.041	8.15	0.002	<0.002	10.80	<0.001	0.01	0.226	3.38	0.1	0.61	22.6	<0.005	0.08
13179		9.28	0.117	6.94	0.002	<0.002	17.55	<0.001	0.03	0.465	5.23	0.4	0.69	18.05	<0.005	0.31
13180		18.65	0.201	16.55	0.021	0.003	12.80	0.017	0.31	0.351	13.95	5.3	0.63	110.8	0.009	0.08



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **BY SOUTH, GARRY**  
**12340 CHRISTIE ROAD**  
**BOSWELL BC V0B 1A4**

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**CERTIFICATE OF ANALYSIS VA13144279**

Sample Description	Method Analyte Units LOR	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L
		Th ppm 0.002	Ti % 0.001	Ti ppm 0.002	U ppm 0.005	V ppm 0.1	W ppm 0.001	Y ppm 0.003	Zn ppm 0.1	Zr ppm 0.01
13139		1.550	0.049	0.048	11035	43.8	0.422	3.89	57.9	1.27
13140		2.35	0.041	0.099	2.36	48.4	0.369	24.0	77.7	1.29
13142		1.045	0.077	0.032	0.400	116.5	1.495	2.25	34.8	0.67
13143		0.627	0.058	0.032	0.500	60.2	1.320	2.65	45.5	0.32
13144		0.704	0.076	0.036	0.402	78.1	0.427	2.19	52.4	0.54
13145		2.18	0.090	0.061	2.28	78.6	0.300	19.20	44.4	1.81
13146		0.659	0.056	0.036	0.482	65.6	0.311	2.85	44.5	0.44
13147		1.120	0.059	0.034	0.513	58.7	0.267	2.90	47.1	0.74
13148		0.858	0.068	0.028	0.441	93.3	0.314	2.34	36.6	0.56
13149		0.670	0.060	0.050	1.265	71.6	0.794	5.05	38.0	0.30
13150		1.225	0.056	0.039	0.528	64.4	0.447	2.78	40.1	0.76
13151		1.185	0.051	0.041	0.363	70.4	0.803	2.17	32.6	0.52
13152		0.838	0.086	0.041	0.668	75.2	1.365	3.17	78.8	0.48
13153		0.535	0.061	0.032	0.470	74.9	1.205	1.925	29.3	0.34
13154		0.949	0.048	0.039	0.456	65.8	0.552	2.04	29.5	0.50
13155		0.904	0.058	0.026	0.404	61.6	0.798	2.08	27.8	0.95
13156		1.040	0.057	0.030	0.402	72.8	2.43	2.26	41.1	0.80
13157		1.415	0.077	0.036	0.543	97.4	1.700	3.50	48.1	0.65
13158		1.215	0.084	0.060	0.403	90.1	2.71	2.26	60.2	1.31
13159		0.958	0.087	0.058	0.429	109.0	2.96	2.46	70.6	0.58
13160		1.300	0.070	0.045	0.572	82.5	1.370	3.43	46.0	0.71
13162		0.278	0.023	0.059	5.25	24.8	0.186	18.25	80.8	0.47
13163		0.724	0.055	0.041	0.396	69.0	0.614	2.12	38.8	0.46
13164		1.265	0.052	0.047	0.493	64.4	0.428	3.05	55.8	1.89
13165		0.575	0.075	0.053	0.400	78.5	0.543	2.18	74.5	0.80
13166		0.601	0.054	0.040	0.435	51.4	0.396	1.900	41.8	0.40
13167		1.780	0.045	0.096	3.19	58.8	0.538	14.95	140.5	1.12
13168		1.080	0.066	0.034	0.459	69.5	0.494	2.33	39.0	1.04
13169		0.675	0.043	0.068	7.67	52.6	0.911	17.70	113.5	0.84
13170		0.375	0.114	0.041	0.350	77.9	2.88	3.42	272	0.45
13171		0.528	0.035	0.028	0.440	42.3	0.229	1.405	44.7	0.26
13172		0.093	0.039	0.034	0.331	52.9	0.381	1.285	15.5	0.19
13173		0.371	0.043	0.051	0.421	57.4	0.311	1.480	22.2	0.19
13174		0.435	0.320	0.050	0.222	152.0	0.666	3.92	54.2	0.53
13175		1.290	0.039	0.069	0.522	48.6	0.651	2.05	53.2	0.97
13176		0.137	0.040	0.033	0.393	60.2	0.468	2.25	26.2	0.19
13177		3.24	0.063	0.196	10.70	61.4	0.197	78.1	84.0	9.67
13178		1.490	0.066	0.059	0.501	75.7	0.297	3.03	47.1	1.65
13179		1.375	0.090	0.061	0.598	119.0	0.602	4.94	42.0	1.07
13180		2.84	0.020	0.202	10.95	60.3	0.518	134.0	54.8	8.37

\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*





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 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: BYSOUTH, GARRY  
 12340 CHRISTIE ROAD  
 BOSWELL BC V0B 1A4

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**CERTIFICATE OF ANALYSIS VA13144279**

Sample Description	Method Analyte Units LOR	WEI- 21	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm
13182		0.14	0.0008	0.244	0.76	0.82	<10	40.7	0.16	0.254	0.22	0.144	12.50	3.76	12.15	1.490
13183		0.06	0.0002	0.481	0.58	0.53	<10	28.6	0.11	0.400	0.19	0.170	10.35	2.91	13.10	1.480

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**CERTIFICATE OF ANALYSIS VA13144279**

Sample Description	Method Analyte Units LOR	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L		
		Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb	
		ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	
		0.01	0.001	0.004	0.005	0.002	0.004	0.005	0.01	0.002	0.1	0.01	0.1	0.001	0.002		
13182		9.18	1.690	4.42	0.035	0.020	0.021	0.015	0.04	6.82	8.4	0.21	156.0	1.85	0.010		
13183		12.05	1.640	4.93	0.028	0.010	0.025	0.020	0.03	5.60	7.2	0.14	105.5	8.48	0.006	1.170	1.080

\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **BYSOUTH, GARRY**  
**12340 CHRISTIE ROAD**  
**BOSWELL BC V0B 1A4**

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 Plus Appendix Pages  
 Finalized Date: 18- AUG- 2013  
 Account: BYSGAR

Project: SKIP

**CERTIFICATE OF ANALYSIS VA13144279**

Sample Description	Method Analyte Units LOR	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	
		Ni ppm	P %	Pb ppm	Pd ppm	Pt ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm
13182		4.28	0.044	7.94	0.002	<0.002	14.50	<0.001	0.01	0.224	2.04	<0.1	0.82	19.15	<0.005	0.03
13183		4.12	0.023	7.14	0.001	<0.002	5.36	<0.001	0.01	0.225	1.450	<0.1	0.80	15.25	<0.005	0.05

\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*



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**CERTIFICATE OF ANALYSIS VA13144279**

Sample Description	Method Analyte Units LOR	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L
		Th ppm 0.002	Ti % 0.001	Ti ppm 0.002	U ppm 0.005	V ppm 0.1	W ppm 0.001	Y ppm 0.003	Zn ppm 0.1	Zr ppm 0.01
13182		0.025	0.064	0.042	0.517	43.0	0.355	2.75	35.9	0.66
13183		0.385	0.056	0.022	0.351	54.0	0.520	1.985	21.5	0.41



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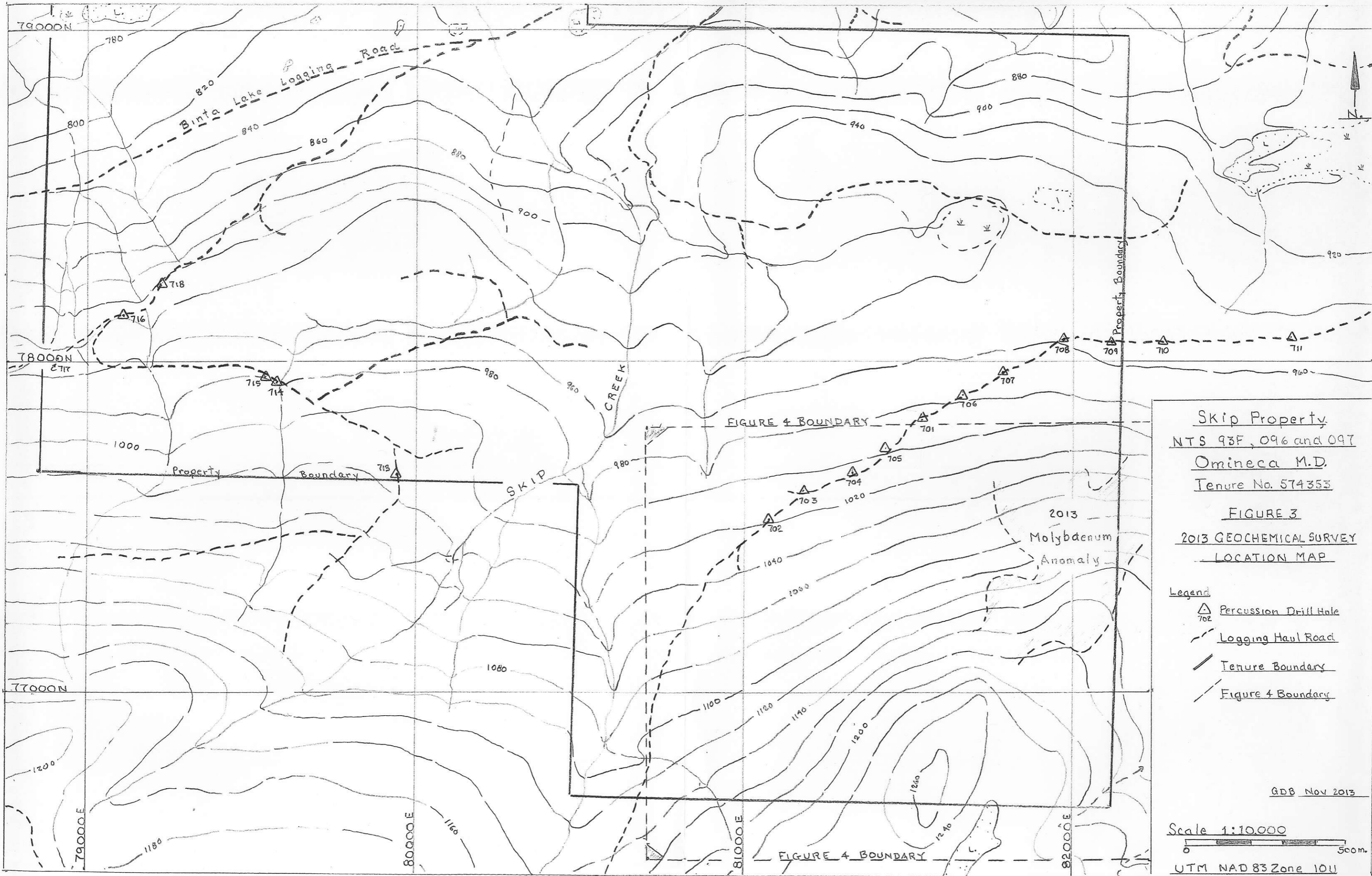
To: BYSOUTH, GARRY  
 12340 CHRISTIE ROAD  
 BOSWELL BC V0B 1A4

Page: Appendix 1  
 Total # Appendix Pages: 1  
 Finalized Date: 18- AUG- 2013  
 Account: BYSGAR

Project: SKIP





**CERTIFICATE OF ANALYSIS VA13144279**

	<b>CERTIFICATE COMMENTS</b>				
Applies to Method:	<p style="text-align: center;"><b>ANALYTICAL COMMENTS</b></p> <p>Gold determinations by this method are semi- quantitative due to the small sample weight used (0.5g).            ME- MS41L</p>				
Applies to Method:	<p style="text-align: center;"><b>LABORATORY ADDRESSES</b></p> <p>Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 30%;">LOG- 22</td> <td style="width: 30%; text-align: center;">ME- MS41L</td> <td style="width: 30%; text-align: right;">SCR- 41</td> <td style="width: 10%; text-align: right;">WEI- 21</td> </tr> </table>	LOG- 22	ME- MS41L	SCR- 41	WEI- 21
LOG- 22	ME- MS41L	SCR- 41	WEI- 21		

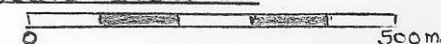


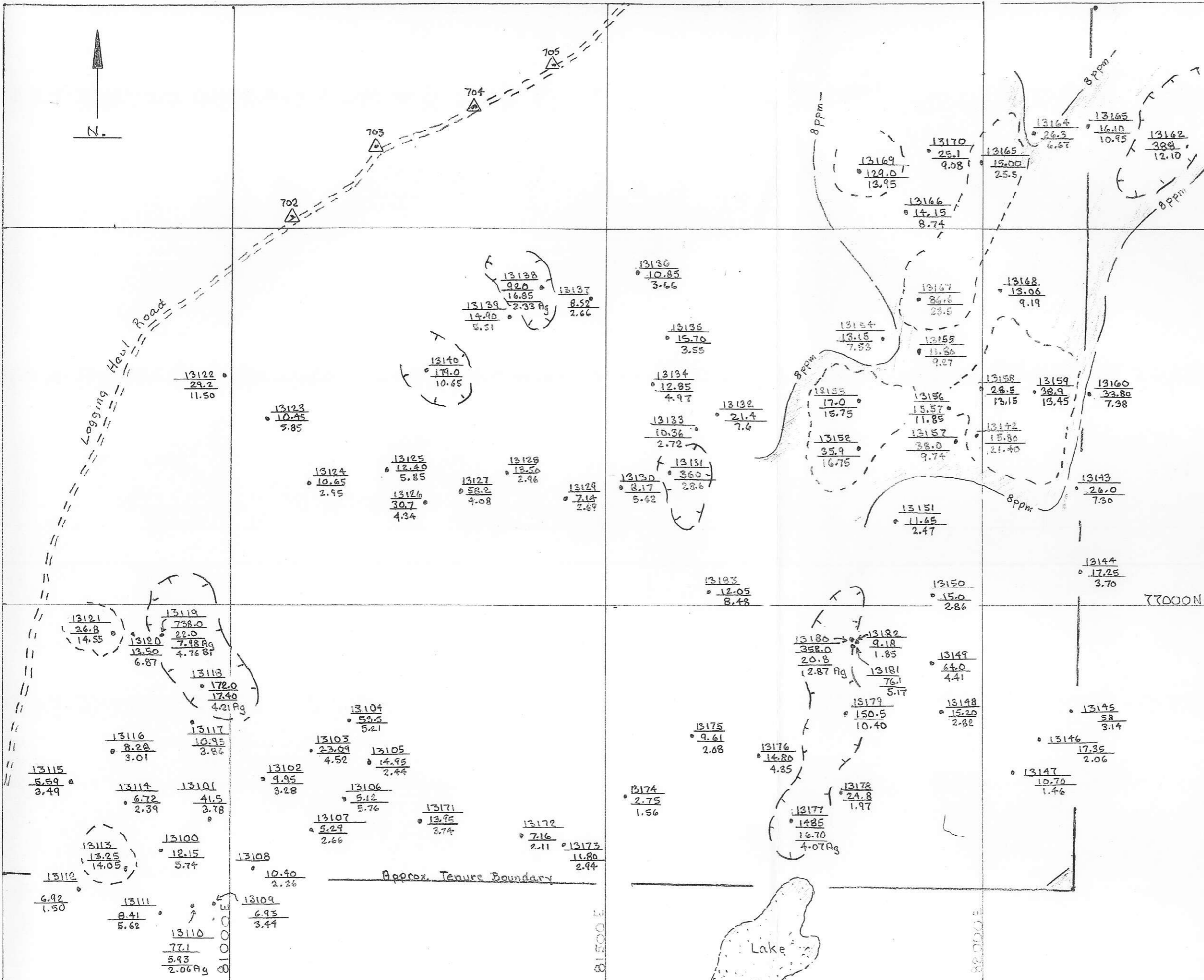
Skip Property  
 NTS 93F, 096 and 097  
 Omineca M.D.  
 Tenure No. 574353

FIGURE 3  
2013 GEOCHEMICAL SURVEY  
LOCATION MAP

- Legend
-  Percussion Drill Hole
  -  Logging Haul Road
  -  Tenure Boundary
  -  Figure 4 Boundary

GDB Nov 2013

Scale 1:10,000  
  
 UTM NAD 83 Zone 10U



SKIP PROPERTY  
 NTS 93F, 096 and 097  
**FIGURE 4**  
 2013 GEOCHEMICAL SOIL SURVEY  
 SOUTH GEL ZONE

- Legend**
- 13118 Soil sample location and number.
  - 172 Copper ppm.
  - 1740 Molybdenum ppm.
  - 4.21 Ag Anomalous other element ppm.
  - - - - - Copper anomaly outline
  - - - - - Molybdenum anomaly outline
  - 8 ppm molybdenum contour
  - △ 702 Percussion drill hole

Scale 1:5000

UTM NAD 83 Zone 10U  
 GDB Nov. 2013