



## ASSESSMENT REPORT TITLE PAGE AND SUMMARY

**TITLE OF REPORT: REPORT ON GEOLOGY, PROSPECTING, ROCK AND SOIL  
GEOCHEMISTRY**

**TOTAL COST:\$9,140**

AUTHOR(S):Sean Kennedy

SIGNATURE(S):

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S):

STATEMENT OF WORK EVENT NUMBER(S)/DATE(S ):5506716

YEAR OF WORK:2012

PROPERTY NAME:Spike's Big Adventure

CLAIM NAME(S) (on which work was done): 984342, 985682, 985683,1020126

COMMODITIES SOUGHT:Ag-Pb-Zn

MINERAL INVENTORY MINFILE NUMBER(S),IF KNOWN:

MINING DIVISION: Ft Steele

NTS / BCGS:

LATITUDE: \_\_\_\_\_ ° \_\_\_\_\_ ' \_\_\_\_\_ "

LONGITUDE: \_\_\_\_\_ ° \_\_\_\_\_ ' \_\_\_\_\_ " (at centre of work)

UTM Zone: 10 EASTING: 585000 NORTHING: 5451000

OWNER(S):Darlene Lavoie

MAILING ADDRESS:

2290 DeWolfe Ave, Kimberley BC

OPERATOR(S) [who paid for the work]:Kootenay Silver Inc

MAILING ADDRESS:

REPORT KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude. **Do not use abbreviations or codes**) Base metal mineralization hosted within Middle Aldridge Fm sediments related to fragmental and tourmaline alteration.

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS:

34178

TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (in metric units)	ON WHICH CLAIMS	PROJECT COSTS APPORTIONED (incl. support)
GEOLOGICAL (scale, area)			
Ground, mapping			
Photo interpretation			
GEOFYSICAL (line-kilometres)			
Ground			
Magnetic			
Electromagnetic			
Induced Polarization			
Radiometric			
Seismic			
Other			
Airborne			
GEOCHEMICAL (number of samples analysed for ...)			
Soil	54		\$1620
Silt			
Rock	34		\$1020
Other			
DRILLING (total metres, number of holes, size, storage location)			
Core			
Non-core			
RELATED TECHNICAL			
Sampling / Assaying	10 days		\$5000
Petrographic			
Mineralographic			
Metallurgic			
PROSPECTING (scale/area)			
PREPATORY / PHYSICAL			
Line/grid (km)			
Topo/Photogrammetric (scale, area)			
Legal Surveys (scale, area)			
Road, local access (km)/trail			
Trench (number/metres)			
Underground development (metres)			
Other	Report/drafting		\$1500
		<b>TOTAL COST</b>	\$9140



ROCK AND SOIL GEOCHEMISTRY REPORT  
SPIKE'S BIG ADVENTURE MINERAL CLAIMS

BC Geological Survey  
Assessment Report  
34914

FT. STEELE MINING DIVISION  
SUNRISE CREEK AREA  
SOUTHEAST BC  
585,000 E 5,451,000 N

WORK PERFORMED SUMMER 2013

OWNER: SEAN KENNEDY  
OPERATOR: KOOTENAY SILVER INC.  
VANCOUVER, BRITISH COLUMBIA

REPORT WRITTEN BY SEAN KENNEDY, PROSPECTOR

JUNE 2014



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Line 2 Soil Sample ID Map with Zn Plotted in ppm	

INTRODUCTION

During the field season of 2013 a program consisting of rock and soil geochemistry was conducted on the Spike's Big Adventure (Spike's) mineral claims in southeast BC. The property covers a mud volcano facies in the upper part of the mesoproterozoic Middle Aldridge Fm. Mud volcanism played an important role at the Sullivan sedex deposit and has been used as an exploration vector for other sedex-type systems in the region. Rock and soil geochemistry was used to help evaluate various alteration, and or horizons that were thought to be favourable for Pb-Zn-Ag mineralization.

LOCATION AND ACCESS

The property is centered 9 km south of the village of Moyie in southeast BC. Access is provided by following the highway south of Moyie approximately five km and taking the Sunrise Creek FSR and proceeding south onto the Sundown Creek FSR. Numerous logging spur roads provide additional access to the property.

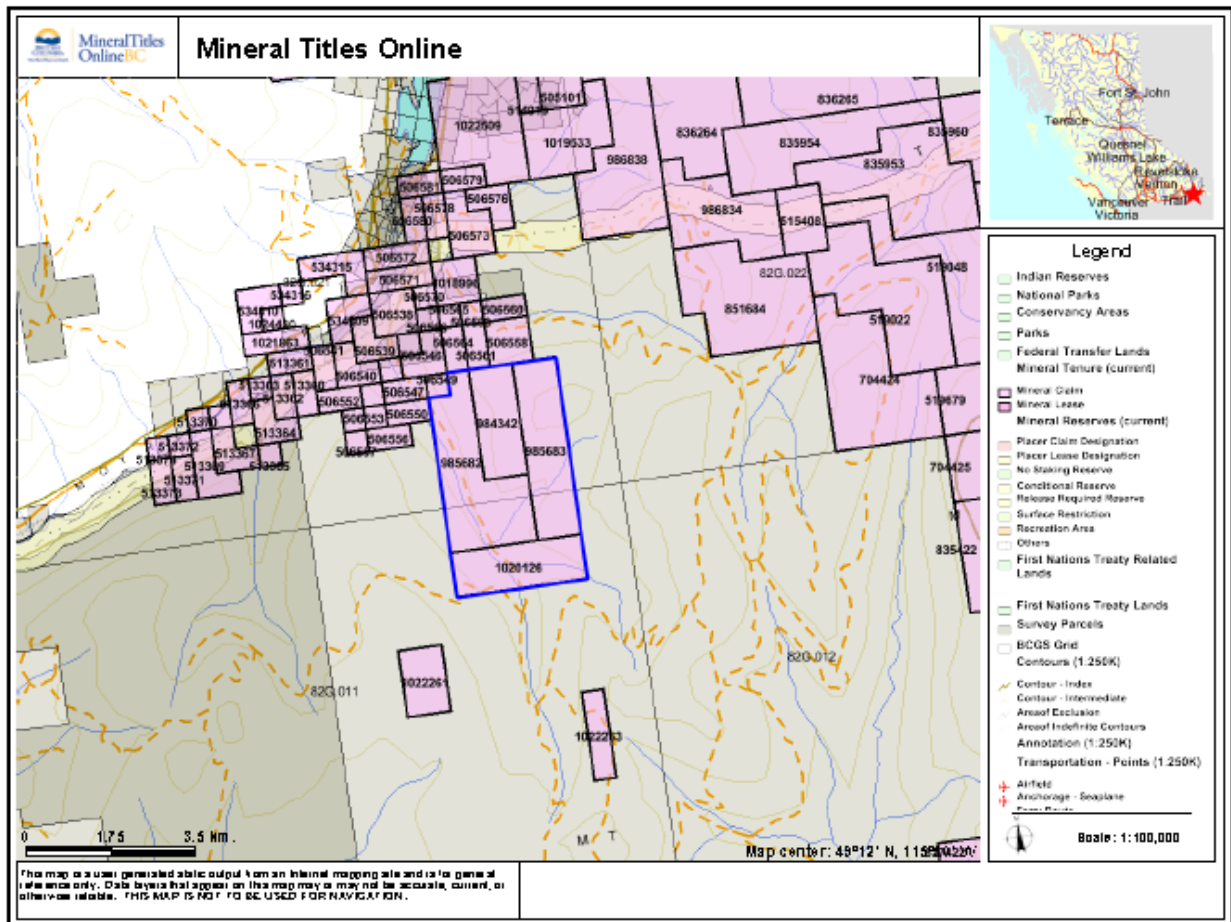


Figure 1. Claim Map

## PROPERTY

The property is wholly owned by Darlene Lavoie of Kimberley, BC and consists of four mineral title tenures; 984342, 985682, 985683, 1020126. Currently the property is funded under a first right of refusal to Kootenay Silver Inc.

## PHYSIOGRAPHY

The area is typified by forested, rounded, and glaciated mountains. Bedrock exposure is sparse and limited to ridgelines and random benches. Elevation on the property ranges from 1000 meters to over 1500 meters. The area is primarily forested with lodgepole pine and douglas fir at lower elevations with spruce and balsam fir at higher ones, small patches of cedar are found in wetter areas, and larch is ubiquitous. Underbrush is typically comprised of rhododendron, mountain alder, kinikininik and some small patches of dwarf huckleberry. The area has seen extensive clear-cut logging and is in various stages of regeneration. The field season can be expected to last from early April, at lower elevations, to late October/mid November with the entire property being snow free from early June to late October.

## HISTORY

The property has a limited exploration history. While the property has been held as an active tenure consistently from the early 1990s to present, most of the work that was conducted was done on adjoining claims. This work consisted of geological mapping, prospecting, rock sampling, soil sampling, and some limited diamond drilling.

Recent work conducted by Kootenay Silver Inc (aris report number 34178) including, geological mapping, prospecting, rock sampling and soil sampling has shown the SBA property to cover an area of sedimentary fragmental rocks likely derived from syn-depositional mud volcanism. These fragmental deposits include discordant mounds, bedding parallel conglomerates, and cross-cutting fluidized channel ways. The discovery of massive sulphide float boulders within the property boundary and likely related to the syn-sedimentary fragmental units has spurred much of the efforts directed thus far.

## PROPERTY GEOLOGY

The property is underlain by Middle Aldridge Fm sediments. These rocks are part of the basal succession of the Mesoproterozoic Belt-Purcell Supergroup, a thick (>20,000 meters) accumulation of terrigenous clastic, carbonate, and minor volcanic/sub-volcanic rocks that were deposited within a large intracratonic basin.

Regionally the Middle Aldridge Fm is comprised of a number of cyclic turbidite deposits capped by generally thinner bedded mud-silt and thin bedded wacke laminates. Middle Aldridge sediments are overlain by the more argillaceous Upper Aldridge which marks the beginning of the sag facies and eventual closure of the basin. The surface geology on the property is located within the upper portion of the Middle Aldridge Fm.

Syn-depositional sub-volcanic gabbro-diorite sills and dykes (Moyie intrusions) have intruded the package during Middle Aldridge time and are a likely heat engine for much of the Proterozoic age mineralization seen in the region. The Moyie intrusions were likely important features which controlled basinal dewatering that in turn developed effusive mud volcanoes like those seen on the property.

ROCK GEOCHEMISTRY

During the program 34 rock samples were collected from the property and immediately adjoining ground. The primary focus of the program was to test numerous pyrrhotite and pyrite bearing mudstone to grey wacke rocks for anomalous base metal geochemistry. Samples were also collected from altered sediments and quartz veins. Information included in the Appendix includes sample locations, descriptions, and analysis as well as a sample ID map with zinc values plotted in ppm.

Values from the program were quite low for base and precious metals. More detailed work would need to be conducted to determine if any of the sulphidic mudstone-grey wacke packages were enriched in base metals. The only anomalous values returned during the program were from quartz veins possibly indicating that the massive sulphide boulders are part of a cross-cutting system.

SOIL GEOCHEMISTRY

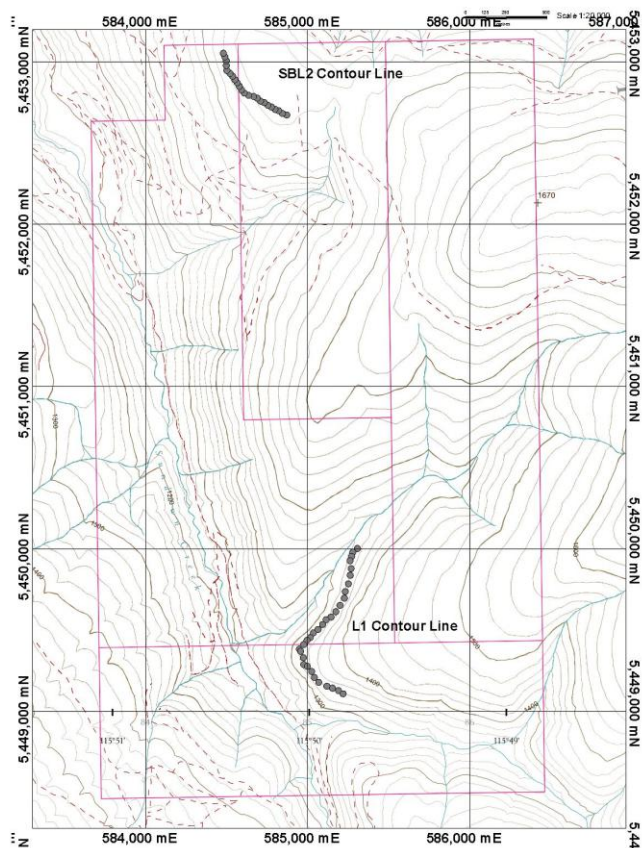


Figure 2 Soil Contour Lines

Two soil contour lines were run on the property to evaluate anomalous mud-volcano and altered stratigraphy. Soil sample results are included in the Appendix. Maps with zinc values in ppm are included in the Appendix.

Weakly anomalous values for zinc were returned from both lines with the highest values returned from the northern most line. These values correspond with a chlorite-actinolite-garnet altered float train that appears to be locally derived.

#### CONCLUSIONS AND RECOMMENDATIONS

During the field season of 2013 a small program of rock and soil geochemistry was conducted on the Spike's Big Adventure property. Work was primarily focused on further evaluation of an anomalous mud-volcano facies interval in the upper part of the Middle Aldridge. Rock samples only returned anomalous values for base metals from goethite bearing quartz veins. The limited litho-geochemistry conducted on sulphidic (Po/Py) mudstone to grey wacke returned low values for base metals. Soil contour lines conducted on two lines returned weakly anomalous values for zinc coincident with an altered float train.

Additional detailed sampling on the property is warranted to determine if a geochemical focus exists that may help define the area hosting the numerous massive sulphide boulders found to date on the property.

STATEMENT OF COSTS

Mike Kennedy, Prospector	Aug 22, 26	2 days @ \$500/day (vehicle inclusive)	\$1000
Sean Kennedy, Prospector	June 10, 24, 25, 29, July 8, 9, 16, 17		
		8 days @ \$500/day (vehicle inclusive)	\$4000
		Report Writing, Drafting, Admin.	\$1500
Rock/Soils Sampling		34 rock samples/54 soil samples @ \$30/sample	\$2640
Total			\$9140

STATEMENT OF QUALIFICATIONS

I, Sean Kennedy, certify that:

1. I am an independent prospector residing at 107 6h Ave, Kimberley, BC.
2. I have been actively prospecting in the throughout BC, Nevada, and Mexico for the past 18 years
3. I have been employed as a professional prospector by junior mineral exploration companies.
4. I own and maintain mineral claims in BC.

## APPENDIX

ROCK SAMPLE LOCATIONS AND DESCRIPTIONS

Sample ID	UTM E	UTM N	Description
Mk13-258	583990	5453114	On rd Po bio rich with py fract's ss.
Mk13-259	583989	5453108	Bleached breccia f with lim stain.
Mk13-260	584107	5452963	sulphide rich ss material py fract's.
Mk13-261	584223	5453044	sulphide rich ss material py fract's.
Mk13-262	584242	5453099	sulphide rich ss material py fract's.
Mk13-263	584222	5453031	Sulphide rich ss Po, Py.
Mk13-264	584212	5452976	Sulphide rich ss Po, Py.
Mk13-265	584278	5453239	Sulphide rich ss Po, Py.
Mk13-266	585341	5451603	SS some Po and Py fract's with green alt chlorite 320/20.
Mk13-267	585340	5451601	1 piece of crush breccia f with iron stain.
Mk13-268	585509	5451569	Gabbro sc or F with chlorite rich qtz vein.
Mk13-269	585474	5451588	Qtzite Sc small goethite qtz veins.
Mk13-270	585581	5451848	Albitic bleached crush breccia sc
Mk13-271	585505	5451781	3 inch siliceous ss with sulphide.
Mk13-272	585507	5451829	Black ss Py, po 5 metre sc zone.
SK13-59	583994	5453098	Ditchline rubble of liese gangue altered quartzite bx, silicified/albitized, quartz with goethite, sericite
SK13-60	584023	5452799	Quartz vein bx, rubble, coarse chlorite, goethite
SK13-61	584029	5452800	Very clean medium grained quartzite rubble with goethite/Mn mottling, some black sulphide grains and yellow powder, there are multiple quartzites in a more disrupted black mud package
SK13-63	584582	5453088	Chloritized and silicified gray wacke, quartz with garnet and PbS, Fe carbonate, blackish, possibly getting tourmalinized
SK13-64	584688	5452715	Large boulder of chlorite-garnet-biotite altered sediments with goethite-sericite-felted chlorite quartz vein network
SK13-66	587320	5449605	Goethite wad quartz vein bx in massive quartzites, A-C type
SK13-67	586976	5450066	Shear zone with quartz breccia, goethite, biotite
SK13-68	586857	5450182	Goethite crackle bx float, qtz veins, chlorite
SK13-69	585200	5452453	Tectonic bx with strong cleavage at 20/70, chlorite, sericite, qtz veins, epidote, good sulphide, Cpy?
SK13-70	585160	5452447	Strongly bx'd silicified and albitized qtzite with goethite and pyrite
SK13-71	583773	5453075	Rusty crystalline quartz vein subcrop in gabbro, goethite wad, carbonate
SK13-72	585569	5453142	Albitized and bx'd quartzite with quartz veins, goethite, Mn, sitting in gabbro hangingwall
SK13-73	585479	5453105	Quartz goethite breccia in argillically altered sediments, some albite

SK13-74	585537	5452977	20 meter wide quartz albite-chlorite-sericite bx/shear, looks bedding parallel, quartz-sericite-goethite-hematite-carbonate veins
SK13-75	584670	5452681	Subcropping zone of strongly sericite altered sed, quartz veins with hematite, mostly clean/crystalline
SK13-76	584692	5452627	Angular piece of albitic-silica-goethite bx, quartz vein with hematite, sericite, goethite
SK13-77	584709	5452747	Sericite-chlorite altered bx'd gabbro? Tremolite/actinolite
SK13-78	584731	5452749	Silicified/fluidized bx in gently folded marker silts, blue green colour, fine grey sulphide, chlorite-sericite alteration, folded on gently northerly plunging open folds
SK13-79	584730	5451581	Zone of strongly sericite altered quartzites and slumpy beds, 4-5meters wide, underlain by chlorite-biotite flooded beds. Sericite zone lays directly under tourmalinized horizon, sulphide rich, patchy silicification, specularite, brown garnet?, py/po
SK13-80	584724	5451573	Same as last, some weak bornite, beds have slump/siltstone chip tops
SK13-81	584792	5451541	Lithogeochem sample of sulphide rich dark laminated siltstone/mudstone
SK13-82	584778	5451219	Rusty fragmental with pyrite, sericite alterations





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Acme Analytical Laboratories (Vancouver) Ltd.
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

Client: Kootenay Silver Inc.
Suite 1820 - 1055 W. Hastings St.
Vancouver BC V6E 2E9 CANADA

Submitted By: Email Distribution List - Soil & Rock
Receiving Lab: Canada-Vancouver
Received: September 03, 2013
Report Date: September 24, 2013
Page: 1 of 2

CERTIFICATE OF ANALYSIS

VAN13003503.1

CLIENT JOB INFORMATION

Project: Spikes Big-Adventure
Shipment ID:
P.O. Number
Number of Samples: 20

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Table with 6 columns: Procedure Code, Number of Samples, Code Description, Test Wgt (g), Report Status, Lab. Contains two rows of sample preparation data.

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
DISP-RJT Dispose of Reject After 90 days

ADDITIONAL COMMENTS

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Kootenay Silver Inc.
Suite 1820 - 1055 W. Hastings St.
Vancouver BC V6E 2E9
CANADA

CC:



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted. \*\*\* asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Acme Analytical Laboratories (Vancouver) Ltd.  
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Client: **Kootenay Silver Inc.**  
 Suite 1820 - 1055 W. Hastings St.  
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Project: Spikes Big-Adventure  
 Report Date: September 24, 2013

Page: 2 of 2

Part: 1 of 2

# CERTIFICATE OF ANALYSIS

VAN13003503.1

Method	Analyte	WGHT	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
Unit	MDL	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
		0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
SK13-63	Rock	0.71	0.5	19.9	211.1	207	0.6	8.8	4.8	163	3.04	2.7	1.3	2.0	9.9	11	7.1	1.1	0.2	14	0.09
SK13-64	Rock	1.13	0.2	91.0	17.5	109	0.2	1.5	1.4	6534	6.65	284.2	0.2	30.5	5.2	6	<0.1	1.0	<0.1	18	0.12
SK13-65	Rock	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
SK13-66	Rock	0.55	1.7	188.1	31.1	122	<0.1	42.2	52.5	332	15.40	12.8	2.9	2.6	37.0	6	0.5	1.0	0.8	13	0.01
SK13-67	Rock	0.54	0.2	6.2	4.5	5	<0.1	1.0	0.5	76	0.55	0.7	0.1	2.6	0.5	<1	<0.1	<0.1	0.2	<2	<0.01
SK13-68	Rock	0.45	14.4	290.3	47.6	269	<0.1	76.0	88.7	566	29.74	7.8	4.8	2.3	15.0	84	0.9	1.0	0.2	16	0.06
SK13-69	Rock	0.89	0.8	65.6	15.6	56	<0.1	6.3	5.3	128	2.62	<0.5	1.1	2.0	9.3	10	0.3	0.4	0.7	16	0.01
SK13-70	Rock	0.59	0.8	18.9	6.1	56	<0.1	12.8	4.4	80	1.76	1.1	1.1	1.9	6.9	12	<0.1	0.4	0.3	7	0.06
SK13-71	Rock	0.96	2.1	513.0	1169	131	0.8	3.1	20.3	293	16.44	<0.5	0.3	0.9	1.3	15	0.6	1.1	5.5	83	0.03
SK13-72	Rock	0.57	<0.1	16.9	22.5	12	<0.1	7.6	16.5	80	1.10	3.0	1.5	2.6	9.1	12	<0.1	0.5	0.1	10	0.02
SK13-73	Rock	0.45	0.1	11.1	7.9	18	<0.1	1.7	1.6	24	5.89	0.6	0.3	<0.5	4.7	11	<0.1	0.2	<0.1	19	0.01
SK13-74	Rock	0.77	0.1	18.4	41.6	109	<0.1	10.0	7.6	171	2.23	2.5	0.9	46.0	5.3	3	<0.1	<0.1	0.2	3	0.01
SK13-75	Rock	1.10	0.3	7.9	8.9	19	<0.1	2.3	1.5	67	0.55	2.1	0.8	<0.5	9.5	5	<0.1	0.2	0.2	3	0.02
SK13-76	Rock	0.78	4.1	41.8	21.9	28	<0.1	6.4	2.1	72	2.90	1.0	1.0	1.7	8.4	15	<0.1	0.2	0.3	8	0.02
SK13-77	Rock	0.69	0.7	21.2	41.4	83	<0.1	23.0	16.7	434	4.28	25.6	0.1	3.2	1.1	68	<0.1	0.4	<0.1	50	0.82
SK13-78	Rock	0.84	1.4	34.3	21.5	40	<0.1	4.8	4.1	311	2.43	<0.5	1.9	1.2	12.5	29	<0.1	0.6	0.5	32	0.20
SK13-79	Rock	0.77	0.3	73.4	5.7	1	0.1	5.4	10.8	35	2.86	<0.5	0.9	<0.5	8.2	2	<0.1	0.3	1.4	<2	<0.01
SK13-80	Rock	0.73	0.5	55.1	4.4	3	<0.1	6.9	6.2	34	1.02	2.8	1.2	1.8	11.6	3	<0.1	0.3	2.8	2	<0.01
SK13-81	Rock	0.97	2.0	37.3	13.4	93	0.1	18.9	14.4	453	3.05	<0.5	1.4	3.0	11.9	13	<0.1	0.2	0.8	35	0.19
SK13-82	Rock	0.73	0.9	24.4	15.4	82	<0.1	14.1	6.9	763	3.11	0.6	1.4	0.7	11.5	52	0.2	0.2	0.2	44	0.92

# CERTIFICATE OF ANALYSIS

VAN13003503.1

Method	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
SK13-63	Rock	0.042	20	10	0.29	78	0.125	<1	1.50	0.004	1.00	<0.1	<0.01	1.9	0.7	0.07	4	<0.5	<0.2
SK13-64	Rock	0.018	7	12	0.37	19	0.040	<1	1.84	<0.001	0.17	<0.1	<0.01	3.4	0.2	<0.05	10	<0.5	<0.2
SK13-65	Rock	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
SK13-66	Rock	0.093	17	11	0.13	27	0.068	<1	1.10	0.003	0.25	<0.1	<0.01	3.4	0.2	<0.05	2	<0.5	<0.2
SK13-67	Rock	0.003	5	3	<0.01	4	0.017	<1	0.05	0.003	0.02	<0.1	<0.01	0.2	<0.1	<0.05	<1	<0.5	<0.2
SK13-68	Rock	0.346	120	9	0.18	175	0.046	<1	1.53	0.003	0.51	<0.1	<0.01	3.4	0.3	0.37	2	<0.5	<0.2
SK13-69	Rock	0.017	6	12	0.31	39	0.065	2	0.84	0.019	0.23	<0.1	<0.01	2.3	0.1	0.26	4	<0.5	<0.2
SK13-70	Rock	0.013	34	6	0.14	47	0.002	1	0.71	0.027	0.17	<0.1	<0.01	1.9	<0.1	<0.05	2	<0.5	<0.2
SK13-71	Rock	0.097	13	<1	0.05	107	0.011	<1	0.57	0.006	0.10	<0.1	0.01	7.7	<0.1	0.14	6	8.5	1.1
SK13-72	Rock	0.006	6	6	<0.01	15	0.021	<1	0.37	0.033	0.06	<0.1	<0.01	1.9	0.1	<0.05	1	<0.5	<0.2
SK13-73	Rock	0.006	3	9	<0.01	10	0.012	<1	0.28	0.029	0.04	<0.1	<0.01	1.6	<0.1	<0.05	2	<0.5	<0.2
SK13-74	Rock	0.011	19	3	0.04	24	0.002	1	0.58	0.012	0.16	<0.1	<0.01	1.9	<0.1	<0.05	<1	<0.5	<0.2
SK13-75	Rock	0.006	16	4	0.05	21	0.024	<1	0.39	0.020	0.07	<0.1	<0.01	0.7	<0.1	<0.05	<1	<0.5	<0.2
SK13-76	Rock	0.035	31	8	0.03	39	0.002	<1	0.43	0.024	0.14	<0.1	<0.01	0.9	0.4	<0.05	2	<0.5	<0.2
SK13-77	Rock	0.151	7	38	1.88	178	0.168	1	2.77	0.077	0.61	0.1	<0.01	3.8	0.4	<0.05	9	<0.5	<0.2
SK13-78	Rock	0.034	33	30	1.10	47	0.161	<1	1.54	0.025	0.38	<0.1	<0.01	5.1	0.4	0.14	7	<0.5	<0.2
SK13-79	Rock	0.005	19	2	<0.01	29	0.020	<1	0.16	0.019	0.14	<0.1	<0.01	0.5	<0.1	3.15	<1	5.8	<0.2
SK13-80	Rock	0.009	17	3	0.06	31	0.012	<1	0.31	0.013	0.21	<0.1	<0.01	0.4	0.1	0.54	<1	1.8	<0.2
SK13-81	Rock	0.049	16	31	1.69	66	0.139	<1	2.01	0.051	1.22	<0.1	<0.01	5.0	0.9	0.68	8	<0.5	<0.2
SK13-82	Rock	0.045	24	35	1.56	181	0.180	<1	3.24	0.284	1.36	0.2	<0.01	5.6	0.7	0.17	10	<0.5	<0.2

## QUALITY CONTROL REPORT

VAN13003503.1

Method	WGHT	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
Pulp Duplicates																					
SK13-82	Rock	0.73	0.9	24.4	15.4	82	<0.1	14.1	6.9	763	3.11	0.6	1.4	0.7	11.5	52	0.2	0.2	0.2	44	0.92
REP SK13-82	QC		1.1	26.4	16.1	90	<0.1	15.6	7.5	864	3.23	0.9	1.4	1.3	12.2	54	0.2	0.2	0.3	46	0.94
Reference Materials																					
STD DS9	Standard		12.5	106.4	143.4	326	1.9	38.6	7.8	611	2.39	24.1	2.9	123.6	7.2	81	2.1	5.4	7.2	43	0.77
STD DS9 Expected			12.84	108	126	317	1.83	40.3	7.6	575	2.33	25.5	2.69	118	6.38	69.6	2.4	4.94	6.32	40	0.7201
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
Prep Wash																					
G1	Prep Blank		0.2	3.7	3.1	49	<0.1	3.7	4.2	587	2.03	0.5	1.3	2.2	4.6	61	<0.1	0.2	<0.1	40	0.49
G1	Prep Blank		0.2	2.5	3.0	49	<0.1	3.5	4.2	571	1.93	<0.5	1.3	1.8	5.0	59	<0.1	0.2	<0.1	39	0.49

## QUALITY CONTROL REPORT

VAN13003503.1

Method		1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	
Analyte		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
Pulp Duplicates																				
SK13-82	Rock	0.045	24	35	1.56	181	0.180	<1	3.24	0.284	1.36	0.2	<0.01	5.6	0.7	0.17	10	<0.5	<0.2	
REP SK13-82	QC	0.047	26	38	1.78	190	0.191	<1	3.44	0.318	1.41	0.2	<0.01	5.8	0.7	0.17	10	<0.5	<0.2	
Reference Materials																				
STD DS9	Standard	0.084	15	120	0.64	308	0.117	3	1.01	0.088	0.41	3.3	0.23	2.6	5.6	0.17	5	4.3	5.2	
STD DS9 Expected		0.0819	13.3	121	0.6165	295	0.1108		0.9577	0.0853	0.395	2.89	0.2	2.5	5.3	0.1615	4.59	5.2	5.02	
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2	
Prep Wash																				
G1	Prep Blank	0.076	9	7	0.62	229	0.122	<1	0.96	0.071	0.50	<0.1	<0.01	2.6	0.3	<0.05	5	<0.5	<0.2	
G1	Prep Blank	0.077	9	6	0.60	228	0.121	<1	0.95	0.074	0.51	<0.1	<0.01	2.7	0.3	<0.05	5	<0.5	<0.2	



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PHONE (604) 253-3158

Client: Kootenay Silver Inc.
Suite 1820 - 1055 W. Hastings St.
Vancouver BC V6E 2E9 CANADA

Submitted By: Email Distribution List - Soil & Rock
Receiving Lab: Canada-Vancouver
Received: September 03, 2013
Report Date: September 25, 2013
Page: 1 of 2

CERTIFICATE OF ANALYSIS

VAN13003467.1

CLIENT JOB INFORMATION

Project: Spikes Big-Adventure
Shipment ID:
P.O. Number
Number of Samples: 15

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Table with 6 columns: Procedure Code, Number of Samples, Code Description, Test Wgt (g), Report Status, Lab. Contains two rows of sample preparation data.

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
DISP-RJT Dispose of Reject After 90 days

ADDITIONAL COMMENTS

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Kootenay Silver Inc.
Suite 1820 - 1055 W. Hastings St.
Vancouver BC V6E 2E9
CANADA

CC:



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted. \*\*\* asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

# CERTIFICATE OF ANALYSIS

VAN13003467.1

Method	Analyte	WGHT	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
Unit	MDL	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	
		0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
MK13 258	Rock	0.57	4.3	28.0	14.2	89	<0.1	26.0	10.8	392	2.92	<0.5	1.5	<0.5	10.6	32	0.3	0.3	0.3	30	0.63
MK13 259	Rock	0.30	0.1	13.3	5.8	8	<0.1	1.7	1.6	36	2.47	1.3	0.3	<0.5	12.0	12	<0.1	0.1	<0.1	4	0.02
MK13 260	Rock	0.86	0.7	24.4	13.3	114	0.1	17.6	9.6	455	3.20	<0.5	0.9	<0.5	11.5	15	0.2	0.3	0.4	34	0.24
MK13 261	Rock	0.42	1.9	45.2	5.0	69	<0.1	27.7	16.5	506	3.22	<0.5	1.1	<0.5	10.8	7	<0.1	0.4	0.5	27	0.12
MK13 262	Rock	0.53	0.7	26.8	7.8	69	<0.1	25.2	15.7	459	3.21	<0.5	1.8	<0.5	13.6	22	0.1	0.3	1.1	36	0.03
MK13 263	Rock	0.70	0.7	22.3	6.3	60	<0.1	34.2	18.8	420	2.53	<0.5	1.6	<0.5	10.6	6	0.2	0.2	0.2	23	0.06
MK13 264	Rock	0.65	0.5	24.7	8.9	49	<0.1	22.3	14.0	370	2.39	<0.5	1.2	<0.5	11.5	8	0.1	0.3	0.3	20	0.03
MK13 265	Rock	0.51	0.4	42.3	10.0	58	<0.1	34.8	19.4	221	3.10	<0.5	2.0	<0.5	14.0	7	<0.1	0.2	0.4	17	0.06
MK13 266	Rock	0.70	7.9	30.7	17.2	159	<0.1	32.1	12.1	426	2.65	1.1	2.9	<0.5	12.1	9	0.5	0.6	0.5	24	0.22
MK13 267	Rock	0.58	4.2	43.7	16.0	15	<0.1	1.6	0.7	96	2.35	<0.5	1.5	<0.5	9.2	30	<0.1	0.4	0.6	13	0.04
MK13 268	Rock	0.52	0.2	213.3	7.5	83	<0.1	26.0	36.0	718	6.26	6.0	<0.1	<0.5	0.6	61	0.2	0.4	<0.1	82	1.59
MK13 269	Rock	0.36	0.1	11.6	18.2	34	<0.1	4.8	4.3	244	1.52	2.8	0.8	1.3	6.2	11	<0.1	0.2	0.2	10	0.06
MK13 270	Rock	0.50	0.4	8.0	14.9	22	<0.1	2.4	1.5	99	0.73	0.9	1.0	2.2	7.5	4	<0.1	0.1	0.1	3	0.01
MK13 271	Rock	0.68	8.3	46.6	20.6	75	0.2	31.3	13.4	199	1.98	3.8	2.3	0.9	10.7	17	1.1	0.3	0.6	15	0.10
MK13 272	Rock	0.51	10.0	37.3	14.5	61	<0.1	35.2	16.3	305	2.18	11.4	2.2	1.5	9.2	9	0.3	0.4	0.5	19	0.08



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 PHONE (604) 253-3158

Client: **Kootenay Silver Inc.**  
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 Vancouver BC V6E 2E9 CANADA

Project: Spikes Big-Adventure  
 Report Date: September 25, 2013

Page: 2 of 2

Part: 2 of 2

# CERTIFICATE OF ANALYSIS

VAN13003467.1

Method	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
MK13 258	Rock	0.060	25	28	1.49	137	0.176	<1	2.73	0.219	1.49	<0.1	<0.01	4.0	0.9	0.73	7	<0.5	<0.2
MK13 259	Rock	0.008	4	10	0.01	21	0.015	<1	0.27	0.028	0.08	<0.1	<0.01	1.2	<0.1	<0.05	1	<0.5	<0.2
MK13 260	Rock	0.051	15	32	1.56	132	0.192	<1	2.61	0.099	1.51	<0.1	<0.01	4.3	0.8	0.40	7	<0.5	<0.2
MK13 261	Rock	0.047	24	27	1.73	115	0.166	<1	2.30	0.047	1.70	<0.1	<0.01	3.5	0.9	1.00	7	<0.5	<0.2
MK13 262	Rock	0.056	41	32	1.89	157	0.197	<1	2.64	0.028	1.93	<0.1	<0.01	3.9	1.1	0.22	8	<0.5	<0.2
MK13 263	Rock	0.041	27	25	1.60	111	0.152	<1	2.09	0.042	1.55	<0.1	<0.01	3.1	0.8	0.37	6	<0.5	<0.2
MK13 264	Rock	0.031	28	21	1.22	85	0.126	<1	1.77	0.024	1.28	<0.1	<0.01	2.2	0.7	0.36	5	<0.5	<0.2
MK13 265	Rock	0.048	105	16	0.79	100	0.127	<1	1.51	0.016	1.10	<0.1	<0.01	2.4	0.7	0.48	4	<0.5	<0.2
MK13 266	Rock	0.054	32	26	1.04	111	0.152	<1	1.54	0.033	0.80	<0.1	<0.01	2.2	0.5	0.72	4	<0.5	<0.2
MK13 267	Rock	0.033	14	14	0.28	80	0.074	<1	0.92	0.011	0.24	<0.1	<0.01	1.4	<0.1	0.09	4	<0.5	<0.2
MK13 268	Rock	0.076	11	11	1.46	28	0.051	<1	2.61	0.013	0.03	0.1	<0.01	11.8	<0.1	0.29	11	<0.5	<0.2
MK13 269	Rock	0.020	12	11	0.12	45	0.066	<1	0.46	0.040	0.22	<0.1	<0.01	1.7	0.1	<0.05	2	<0.5	<0.2
MK13 270	Rock	0.008	25	6	0.02	29	0.002	<1	0.28	0.035	0.11	<0.1	<0.01	0.9	<0.1	<0.05	<1	<0.5	<0.2
MK13 271	Rock	0.036	18	14	0.43	74	0.107	1	0.92	0.026	0.64	<0.1	<0.01	1.8	0.4	0.71	3	0.6	<0.2
MK13 272	Rock	0.036	12	17	0.65	121	0.133	<1	1.31	0.033	0.95	0.2	<0.01	2.2	0.7	0.40	4	0.7	<0.2



## QUALITY CONTROL REPORT

VAN13003467.1

Method	WGHT	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
Pulp Duplicates																					
MK13 272	Rock	0.51	10.0	37.3	14.5	61	<0.1	35.2	16.3	305	2.18	11.4	2.2	1.5	9.2	9	0.3	0.4	0.5	19	0.08
REP MK13 272	QC		9.8	37.2	13.6	61	<0.1	34.1	15.4	302	2.15	10.5	2.1	1.7	9.3	9	0.3	0.5	0.5	19	0.09
Reference Materials																					
STD DS9	Standard		12.6	105.2	124.3	305	1.7	38.2	7.0	585	2.29	25.6	2.8	105.1	6.7	76	2.0	5.6	6.7	41	0.75
STD DS9	Standard		13.5	110.7	124.3	310	1.9	38.8	7.2	607	2.40	26.8	2.7	105.3	6.4	77	2.8	5.6	6.9	43	0.77
STD DS9 Expected			12.84	108	126	317	1.83	40.3	7.6	575	2.33	25.5	2.69	118	6.38	69.6	2.4	4.94	6.32	40	0.7201
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
Prep Wash																					
G1	Prep Blank		<0.1	2.7	3.5	44	<0.1	2.4	3.8	561	1.92	<0.5	1.8	<0.5	5.3	62	<0.1	<0.1	<0.1	38	0.49
G1	Prep Blank		<0.1	2.4	4.1	43	<0.1	2.4	3.8	536	1.88	<0.5	2.0	<0.5	5.4	55	<0.1	<0.1	<0.1	36	0.43

## QUALITY CONTROL REPORT

VAN13003467.1

Method		1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	
Analyte		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
Pulp Duplicates																				
MK13 272	Rock	0.036	12	17	0.65	121	0.133	<1	1.31	0.033	0.95	0.2	<0.01	2.2	0.7	0.40	4	0.7	<0.2	
REP MK13 272	QC	0.038	12	18	0.64	119	0.134	<1	1.29	0.033	0.95	0.1	<0.01	2.2	0.6	0.40	4	<0.5	<0.2	
Reference Materials																				
STD DS9	Standard	0.078	14	113	0.61	291	0.113	2	0.99	0.094	0.40	3.0	0.18	2.7	5.1	0.16	5	5.3	5.1	
STD DS9	Standard	0.091	15	122	0.65	299	0.114	2	1.03	0.093	0.41	3.1	0.21	2.8	5.0	0.18	5	4.9	5.5	
STD DS9 Expected		0.0819	13.3	121	0.6165	295	0.1108		0.9577	0.0853	0.395	2.89	0.2	2.5	5.3	0.1615	4.59	5.2	5.02	
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	0.7	<0.2	
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	0.2	<0.1	<0.05	<1	<0.5	<0.2	
Prep Wash																				
G1	Prep Blank	0.072	12	5	0.49	151	0.113	<1	0.94	0.085	0.47	<0.1	<0.01	2.8	0.3	<0.05	4	<0.5	<0.2	
G1	Prep Blank	0.068	11	5	0.48	165	0.104	<1	0.87	0.074	0.46	<0.1	<0.01	2.7	0.3	<0.05	4	<0.5	<0.2	



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Submitted By: Email Distribution List - Soil & Rock
Receiving Lab: Canada-Vancouver
Received: September 11, 2013
Report Date: September 28, 2013
Page: 1 of 2

CERTIFICATE OF ANALYSIS

VAN13003644.1

CLIENT JOB INFORMATION

Project: Sullivan South
Shipment ID:
P.O. Number
Number of Samples: 3

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Table with 6 columns: Procedure Code, Number of Samples, Code Description, Test Wgt (g), Report Status, Lab. Contains two rows of sample preparation data.

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
DISP-RJT Dispose of Reject After 90 days

ADDITIONAL COMMENTS

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Kootenay Silver Inc.
Suite 1820 - 1055 W. Hastings St.
Vancouver BC V6E 2E9
CANADA

CC:



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted. \*\*\* asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Acme Analytical Laboratories (Vancouver) Ltd.  
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 PHONE (604) 253-3158

Client: **Kootenay Silver Inc.**  
 Suite 1820 - 1055 W. Hastings St.  
 Vancouver BC V6E 2E9 CANADA

Project: Sullivan South  
 Report Date: September 28, 2013

Page: 2 of 2

Part: 1 of 2

# CERTIFICATE OF ANALYSIS

VAN13003644.1

Method	WGHT	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
SK13-59	Rock	0.58	<0.1	33.2	11.9	4	<0.1	1.1	0.5	21	1.66	<0.5	0.5	<0.5	6.7	18	<0.1	0.2	0.2	6	0.02
SK13-60	Rock	0.63	0.6	40.5	52.8	119	<0.1	13.7	5.8	460	3.62	1.1	1.0	<0.5	9.8	17	<0.1	0.3	0.4	20	0.12
SK13-61	Rock	0.70	0.3	18.2	11.9	42	<0.1	8.8	2.3	142	1.40	2.8	0.4	<0.5	2.3	4	0.3	0.2	<0.1	<2	0.02



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Project: Sullivan South  
 Report Date: September 28, 2013

Page: 2 of 2

Part: 2 of 2

# CERTIFICATE OF ANALYSIS

VAN13003644.1

Method	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
SK13-59	Rock	0.005	5	10	0.01	28	0.009	<1	0.31	0.025	0.08	<0.1	<0.01	1.3	<0.1	<0.05	2	<0.5	<0.2
SK13-60	Rock	0.049	34	24	1.56	52	0.040	<1	2.14	0.019	0.32	<0.1	<0.01	2.1	0.2	<0.05	7	<0.5	<0.2
SK13-61	Rock	0.016	19	8	0.03	36	0.003	<1	0.17	0.028	0.08	<0.1	0.02	0.6	<0.1	<0.05	<1	<0.5	<0.2

## QUALITY CONTROL REPORT

VAN13003644.1

Method	WGHT	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
Pulp Duplicates																					
SK13-61	Rock	0.70	0.3	18.2	11.9	42	<0.1	8.8	2.3	142	1.40	2.8	0.4	<0.5	2.3	4	0.3	0.2	<0.1	<2	0.02
REP SK13-61	QC		0.3	18.7	12.1	45	<0.1	9.4	2.3	140	1.40	2.8	0.4	<0.5	2.4	4	0.2	0.2	<0.1	<2	0.02
Reference Materials																					
STD DS9	Standard		12.8	108.9	136.0	319	1.9	40.1	7.8	585	2.33	26.8	3.0	130.9	6.9	67	2.3	5.4	5.9	40	0.72
STD DS9 Expected			12.84	108	126	317	1.83	40.3	7.6	575	2.33	25.5	2.69	118	6.38	69.6	2.4	4.94	6.32	40	0.7201
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
Prep Wash																					
G1	Prep Blank		<0.1	1.8	2.9	50	<0.1	3.1	4.3	601	2.02	<0.5	1.4	0.9	5.1	61	<0.1	<0.1	<0.1	38	0.47

## QUALITY CONTROL REPORT

VAN13003644.1

Method		1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
Analyte		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																			
SK13-61	Rock	0.016	19	8	0.03	36	0.003	<1	0.17	0.028	0.08	<0.1	0.02	0.6	<0.1	<0.05	<1	<0.5	<0.2
REP SK13-61	QC	0.017	20	9	0.03	37	0.003	<1	0.18	0.027	0.09	<0.1	0.01	0.6	<0.1	<0.05	<1	<0.5	<0.2
Reference Materials																			
STD DS9	Standard	0.081	15	126	0.62	306	0.114	3	0.97	0.084	0.40	2.9	0.21	2.4	5.5	0.16	5	5.0	5.2
STD DS9 Expected		0.0819	13.3	121	0.6165	295	0.1108		0.9577	0.0853	0.395	2.89	0.2	2.5	5.3	0.1615	4.59	5.2	5.02
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
Prep Wash																			
G1	Prep Blank	0.074	11	11	0.60	250	0.128	<1	1.09	0.103	0.54	<0.1	<0.01	2.5	0.3	<0.05	5	<0.5	<0.2



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**Client:** Kootenay Silver Inc.  
Suite 1820 - 1055 W. Hastings St.  
Vancouver BC V6E 2E9 CANADA

Submitted By: Email Distribution List - Soil & Rock  
Receiving Lab: Canada-Vancouver  
Received: September 03, 2013  
Report Date: September 12, 2013  
Page: 1 of 3

## CERTIFICATE OF ANALYSIS

VAN13003473.1

### CLIENT JOB INFORMATION

Project: Spikes Big-Adventure  
Shipment ID:  
P.O. Number  
Number of Samples: 54

### SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days  
DISP-RJT-SOIL Immediate Disposal of Soil Reject

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Kootenay Silver Inc.  
Suite 1820 - 1055 W. Hastings St.  
Vancouver BC V6E 2E9  
CANADA

CC:

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	54	Dry at 60C			VAN
SS80	54	Dry at 60C sieve 100g to -80 mesh			VAN
1DX3	54	1:1:1 Aqua Regia digestion ICP-MS analysis	30	Completed	VAN

### ADDITIONAL COMMENTS



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Project: Spikes Big-Adventure  
 Report Date: September 12, 2013

Page: 2 of 3

Part: 1 of 2

# CERTIFICATE OF ANALYSIS

VAN13003473.1

Method Analyte	Unit	MDL	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
			Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
			ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	
			0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	0.1	0.1	0.001	1
SBA-L1-00	Soil		1.2	40.6	23.5	102	0.1	72.6	21.5	243	2.57	5.4	<0.5	6.7	22	0.2	0.2	0.6	41	0.15	0.094	22
SBA L1+25	Soil		0.6	20.2	16.2	86	<0.1	21.7	11.4	246	1.83	1.9	<0.5	4.5	15	0.1	0.2	0.3	26	0.11	0.078	15
SBA L1+50	Soil		0.4	19.4	12.4	58	0.1	28.4	12.0	126	1.80	2.5	<0.5	4.8	18	0.1	0.1	0.2	26	0.13	0.084	15
SBA L1+75	Soil		0.6	18.5	15.3	79	0.2	36.9	11.6	212	2.22	3.5	<0.5	5.4	18	<0.1	0.1	0.3	28	0.12	0.125	16
SBA L1+100	Soil		0.4	15.0	12.5	68	0.1	28.6	9.6	205	1.78	2.3	<0.5	4.6	18	<0.1	0.1	0.2	22	0.13	0.050	14
SBA L1+125	Soil		0.4	14.0	12.8	92	0.1	30.9	14.4	536	1.87	3.0	<0.5	4.8	27	0.1	0.2	0.2	24	0.18	0.093	12
SBA L1+150	Soil		0.6	17.1	12.6	70	0.2	27.9	14.7	299	1.76	3.6	<0.5	4.3	18	0.2	0.1	0.2	25	0.15	0.088	10
SBA L1+175	Soil		0.5	25.0	16.0	65	<0.1	39.9	15.5	279	2.20	3.5	<0.5	6.9	22	<0.1	0.2	0.3	26	0.14	0.046	23
SBA L1+200	Soil		0.3	29.3	13.3	93	0.3	35.4	11.7	186	1.64	3.4	<0.5	4.6	31	0.2	0.1	0.2	26	0.20	0.075	18
SBA L1+225	Soil		0.4	56.1	11.1	55	0.1	27.7	16.7	192	1.75	4.9	<0.5	5.1	25	0.1	0.1	0.2	26	0.16	0.092	11
SBA L1+250	Soil		0.5	32.2	12.7	89	0.2	44.0	12.8	228	1.81	3.6	<0.5	6.1	30	0.3	0.2	0.2	23	0.21	0.098	16
SBA L1+275	Soil		0.5	24.4	14.3	97	<0.1	29.1	14.6	474	2.21	2.2	<0.5	4.7	26	0.1	0.1	0.3	26	0.20	0.053	19
SBA L1+300	Soil		0.5	23.4	19.0	133	0.1	39.1	12.7	430	2.30	1.4	<0.5	4.4	27	0.1	0.1	0.3	28	0.29	0.047	15
SBA L1+325	Soil		0.8	28.7	20.8	105	0.1	29.1	14.7	282	2.40	2.0	<0.5	8.9	19	0.1	0.3	0.3	26	0.16	0.052	24
SBA L1+350	Soil		0.5	17.8	13.5	95	0.1	27.3	11.9	238	2.03	3.3	<0.5	5.6	23	0.1	0.2	0.4	27	0.17	0.088	18
SBA L1+375	Soil		0.4	22.0	14.1	136	0.2	39.9	13.3	311	1.93	2.4	<0.5	5.5	20	0.3	0.2	0.3	24	0.15	0.082	19
SBA L1+400	Soil		0.3	11.5	12.3	91	0.2	20.1	7.7	556	1.50	2.9	<0.5	2.9	20	0.2	0.1	0.2	23	0.13	0.155	9
SBA L1+425	Soil		0.7	20.3	13.3	113	0.4	34.3	18.6	345	2.04	3.8	<0.5	3.9	15	0.2	0.1	0.2	31	0.11	0.130	12
SBA L1+450	Soil		0.6	63.9	12.1	96	0.2	33.3	17.7	367	2.88	2.3	1.0	3.7	13	0.1	0.2	0.2	58	0.16	0.064	10
SBA L1+475	Soil		0.4	76.7	10.1	78	0.2	27.9	14.4	274	2.11	2.0	<0.5	4.0	15	0.1	0.1	0.1	38	0.15	0.069	13
SBA L1+500	Soil		0.4	41.0	9.3	89	0.2	29.6	12.9	340	1.74	2.1	<0.5	3.2	19	0.1	0.1	0.1	29	0.16	0.079	10
SBA L1+525	Soil		0.6	35.6	11.7	85	0.2	25.3	14.9	358	2.28	2.0	<0.5	3.4	15	0.1	0.1	0.1	39	0.13	0.085	10
SBA L1+550	Soil		0.7	39.8	15.5	100	<0.1	27.1	14.7	323	2.57	2.7	<0.5	5.9	18	0.2	0.1	0.2	33	0.16	0.033	18
SBA L1+575	Soil		0.7	21.0	13.0	92	0.1	22.4	10.5	277	2.35	2.8	1.1	4.9	18	0.1	0.2	0.2	28	0.14	0.044	16
SBA L1+600	Soil		0.6	24.4	11.3	95	<0.1	22.7	9.8	337	2.04	2.3	<0.5	5.6	23	0.2	0.1	0.2	25	0.18	0.068	16
SBA L1+625	Soil		0.7	29.9	15.9	118	<0.1	28.6	14.6	520	2.52	1.2	<0.5	6.7	24	0.2	0.2	0.3	25	0.18	0.030	24
SBA L1+650	Soil		0.4	24.9	17.1	115	<0.1	28.2	13.4	321	2.54	1.4	<0.5	8.6	18	0.2	0.2	0.3	24	0.13	0.037	31
SBA L1+675	Soil		0.4	21.4	14.1	109	0.2	24.2	10.2	269	2.07	1.4	<0.5	4.8	21	0.1	0.1	0.2	24	0.19	0.026	17
SBA L1+700	Soil		0.4	28.0	13.9	124	0.1	27.7	12.1	298	2.16	3.0	<0.5	5.5	27	0.2	0.1	0.2	28	0.24	0.084	16
SBA L1+725	Soil		0.4	32.7	15.8	154	0.1	69.5	16.4	295	2.25	2.0	<0.5	4.9	23	0.1	0.1	0.2	24	0.23	0.052	20

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Client: **Kootenay Silver Inc.**  
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 Vancouver BC V6E 2E9 CANADA

Project: Spikes Big-Adventure  
 Report Date: September 12, 2013

Page: 2 of 3

Part: 2 of 2

# CERTIFICATE OF ANALYSIS

VAN13003473.1

Method	Analyte	Unit	MDL	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30		
				Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
				ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm		
				1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
SBA-L1-00	Soil			15	0.23	175	0.131	2	4.49	0.017	0.18	0.1	0.06	3.0	0.3	<0.05	10	<0.5	<0.2
SBA L1+25	Soil			14	0.31	132	0.098	3	2.51	0.014	0.13	<0.1	0.04	2.4	0.2	<0.05	7	<0.5	<0.2
SBA L1+50	Soil			12	0.22	125	0.096	1	3.03	0.016	0.12	<0.1	0.04	2.5	0.2	<0.05	7	<0.5	<0.2
SBA L1+75	Soil			14	0.31	182	0.115	2	3.31	0.017	0.14	0.1	0.06	2.5	0.2	<0.05	8	<0.5	<0.2
SBA L1+100	Soil			13	0.34	113	0.108	2	2.43	0.023	0.17	0.1	0.03	2.2	0.2	<0.05	6	<0.5	<0.2
SBA L1+125	Soil			12	0.27	161	0.118	3	2.99	0.023	0.12	0.1	0.04	2.2	0.2	<0.05	8	<0.5	<0.2
SBA L1+150	Soil			9	0.19	143	0.125	3	3.60	0.024	0.09	0.1	0.04	1.9	0.1	<0.05	8	<0.5	<0.2
SBA L1+175	Soil			15	0.33	176	0.123	1	3.13	0.020	0.28	<0.1	0.02	2.6	0.3	<0.05	8	<0.5	<0.2
SBA L1+200	Soil			11	0.23	236	0.109	2	2.40	0.030	0.16	<0.1	0.04	2.0	0.2	<0.05	6	<0.5	<0.2
SBA L1+225	Soil			10	0.19	199	0.141	1	3.61	0.032	0.12	0.2	0.02	2.5	0.1	<0.05	8	<0.5	<0.2
SBA L1+250	Soil			11	0.28	207	0.136	2	3.45	0.028	0.15	0.1	0.04	2.7	0.2	<0.05	8	<0.5	<0.2
SBA L1+275	Soil			17	0.59	185	0.116	<1	2.18	0.030	0.26	<0.1	<0.01	2.6	0.3	<0.05	7	<0.5	<0.2
SBA L1+300	Soil			20	0.79	156	0.138	2	3.10	0.048	0.20	<0.1	0.03	2.6	0.3	<0.05	9	<0.5	<0.2
SBA L1+325	Soil			18	0.66	136	0.130	3	2.75	0.019	0.28	<0.1	0.03	2.9	0.4	<0.05	7	<0.5	<0.2
SBA L1+350	Soil			13	0.47	157	0.136	1	2.94	0.022	0.17	0.1	0.02	2.1	0.3	<0.05	8	<0.5	<0.2
SBA L1+375	Soil			13	0.45	166	0.122	2	3.03	0.024	0.15	0.1	0.04	2.7	0.3	<0.05	8	<0.5	<0.2
SBA L1+400	Soil			8	0.15	166	0.121	2	3.03	0.026	0.07	0.1	0.02	2.3	0.2	<0.05	7	<0.5	<0.2
SBA L1+425	Soil			12	0.24	159	0.124	<1	3.45	0.021	0.10	0.1	0.05	2.5	0.2	<0.05	9	<0.5	<0.2
SBA L1+450	Soil			12	0.54	311	0.151	1	2.84	0.017	0.36	0.1	0.03	2.8	0.3	<0.05	8	<0.5	<0.2
SBA L1+475	Soil			10	0.33	233	0.113	3	2.60	0.019	0.22	0.1	0.02	3.2	0.2	<0.05	7	<0.5	<0.2
SBA L1+500	Soil			9	0.25	268	0.112	1	2.49	0.024	0.16	<0.1	0.02	2.5	0.2	<0.05	7	<0.5	<0.2
SBA L1+525	Soil			12	0.36	312	0.122	1	2.40	0.015	0.28	<0.1	0.03	2.3	0.2	<0.05	8	<0.5	<0.2
SBA L1+550	Soil			19	0.62	257	0.142	1	2.74	0.013	0.39	<0.1	0.01	3.0	0.4	<0.05	8	<0.5	<0.2
SBA L1+575	Soil			18	0.77	202	0.141	1	2.79	0.017	0.34	<0.1	0.01	3.0	0.4	<0.05	8	<0.5	<0.2
SBA L1+600	Soil			14	0.70	169	0.134	2	2.87	0.027	0.25	0.1	0.02	3.2	0.3	<0.05	8	<0.5	<0.2
SBA L1+625	Soil			19	1.02	219	0.130	<1	2.62	0.011	0.57	<0.1	<0.01	3.0	0.6	<0.05	7	<0.5	<0.2
SBA L1+650	Soil			19	0.66	140	0.126	<1	2.02	0.011	0.66	<0.1	<0.01	2.9	0.7	<0.05	6	<0.5	<0.2
SBA L1+675	Soil			15	0.61	224	0.119	1	2.59	0.020	0.38	<0.1	0.02	2.6	0.4	<0.05	7	<0.5	<0.2
SBA L1+700	Soil			17	0.62	257	0.133	1	3.05	0.029	0.26	0.1	0.02	2.8	0.3	<0.05	8	<0.5	<0.2
SBA L1+725	Soil			19	0.71	232	0.123	2	3.50	0.023	0.26	0.1	0.02	2.6	0.3	<0.05	8	<0.5	<0.2



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Project: Spikes Big-Adventure  
 Report Date: September 12, 2013

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# CERTIFICATE OF ANALYSIS

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Method	Analyte	Unit	MDL	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30			
				Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	
				ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm			
				0.1	0.1	0.1	1	0.1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
SBA L1+750	Soil			0.5	30.2	13.0	98	0.1	30.3	12.0	305	2.02	3.0	<0.5	5.2	22	0.2	0.1	0.2	27	0.16	0.059	15	
SBL2 00N	Soil			0.9	17.2	20.0	82	<0.1	18.7	8.9	329	2.15	3.2	<0.5	6.6	17	0.1	0.3	0.3	21	0.09	0.060	24	
SBL2 25N	Soil			1.0	17.9	23.2	100	<0.1	24.3	10.8	694	2.48	4.3	<0.5	7.0	19	<0.1	0.3	0.4	26	0.17	0.077	32	
SBL2 50N	Soil			0.9	13.6	16.4	119	0.2	28.9	10.4	785	1.93	4.6	<0.5	4.6	21	0.2	0.2	0.3	21	0.12	0.089	17	
SBL2 75N	Soil			1.5	15.4	22.6	106	<0.1	19.3	8.6	502	2.42	4.5	<0.5	6.2	19	<0.1	0.3	0.4	22	0.19	0.059	22	
SBL2 100N	Soil			1.2	17.9	27.0	90	<0.1	16.7	7.2	295	2.29	5.2	0.6	6.2	19	0.1	0.4	0.3	21	0.16	0.074	25	
SBL2 125N	Soil			1.0	10.7	22.3	91	<0.1	14.1	6.0	436	2.05	3.7	0.8	4.8	21	<0.1	0.3	0.3	18	0.16	0.066	21	
SBL2 150N	Soil			1.7	15.1	18.9	80	<0.1	17.5	7.0	282	2.06	3.2	<0.5	5.3	16	0.1	0.3	0.3	22	0.13	0.058	19	
SBL2 175N	Soil			1.4	23.5	31.8	99	<0.1	44.6	15.2	385	2.39	3.5	<0.5	6.4	18	0.1	0.4	0.3	25	0.15	0.055	32	
SBL2 200N	Soil			1.0	18.9	18.3	189	<0.1	38.2	13.2	753	2.07	3.2	<0.5	4.7	31	0.3	0.2	0.2	21	0.21	0.111	24	
SBL2 225N	Soil			0.8	16.4	15.5	115	0.2	32.6	9.8	390	1.70	2.3	<0.5	5.1	29	0.3	0.2	0.2	19	0.23	0.055	24	
SBL2 250N	Soil			1.0	17.7	23.1	164	0.1	32.9	12.4	639	2.62	2.7	<0.5	5.6	27	0.2	0.4	0.3	25	0.19	0.099	24	
SBL2 275N	Soil			0.7	15.3	15.7	227	0.2	48.1	13.7	746	1.66	3.6	<0.5	3.7	26	0.3	0.1	0.2	19	0.20	0.145	16	
SBL2 300N	Soil			0.9	19.3	28.5	145	0.2	50.7	16.4	616	1.89	2.6	<0.5	4.7	22	0.1	0.2	0.3	21	0.20	0.049	21	
SBL2 325N	Soil			1.3	27.8	33.0	128	0.3	49.4	17.1	293	2.39	3.1	0.6	6.8	13	<0.1	0.4	0.3	25	0.14	0.045	27	
SBL2 350N	Soil			0.7	23.2	53.2	142	0.2	43.9	11.3	596	2.03	3.2	<0.5	5.4	17	0.2	0.3	0.3	22	0.17	0.055	24	
SBL2 375N	Soil			1.2	16.8	48.8	154	<0.1	38.3	12.1	811	2.46	4.0	<0.5	5.6	24	0.2	0.4	0.4	23	0.23	0.047	25	
SBL2 400N	Soil			1.1	16.2	46.8	120	<0.1	30.1	8.9	281	2.37	3.5	0.8	5.7	16	<0.1	0.5	0.3	23	0.14	0.029	24	
SBL2 425N	Soil			1.0	15.7	52.1	132	0.1	31.1	11.3	503	2.23	3.3	<0.5	4.3	21	0.2	0.4	0.3	24	0.21	0.035	19	
SBL2 450N	Soil			1.1	16.0	46.9	114	<0.1	34.4	12.7	272	2.30	2.8	0.8	5.3	18	0.1	0.4	0.3	23	0.16	0.023	22	
SBL2 475N	Soil			0.6	8.9	28.9	97	<0.1	25.1	9.5	337	1.66	2.1	0.7	3.3	18	<0.1	0.2	0.2	19	0.17	0.016	15	
SBL2 500N	Soil			1.0	16.8	33.2	108	0.1	31.8	10.6	203	2.17	2.8	<0.5	5.7	19	<0.1	0.3	0.3	23	0.17	0.025	22	
SBL2 525N	Soil			0.8	19.3	29.0	118	0.2	53.3	14.1	293	1.95	3.6	<0.5	4.9	17	0.1	0.2	0.2	24	0.15	0.036	20	
SBL2 550N	Soil			2.1	48.9	61.8	107	0.4	84.6	19.5	191	2.69	5.5	<0.5	8.0	19	<0.1	0.5	0.5	28	0.16	0.048	32	



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 Report Date: September 12, 2013

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# CERTIFICATE OF ANALYSIS

VAN13003473.1

Method	Analyte	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
SBA L1+750	Soil	15	0.52	197	0.126	1	3.03	0.023	0.24	0.1	0.01	3.0	0.3	<0.05	7	<0.5	<0.2
SBL2 00N	Soil	11	0.33	149	0.093	2	2.52	0.009	0.19	<0.1	0.02	2.1	0.3	<0.05	6	<0.5	<0.2
SBL2 25N	Soil	13	0.38	198	0.118	3	2.61	0.009	0.24	0.1	0.03	2.5	0.3	<0.05	7	<0.5	<0.2
SBL2 50N	Soil	10	0.26	197	0.104	3	2.65	0.015	0.14	0.1	0.03	2.3	0.2	<0.05	6	<0.5	<0.2
SBL2 75N	Soil	14	0.43	175	0.098	3	2.15	0.007	0.22	0.1	0.03	1.6	0.3	<0.05	6	<0.5	<0.2
SBL2 100N	Soil	11	0.35	168	0.091	2	2.11	0.006	0.19	<0.1	0.03	2.0	0.3	<0.05	6	<0.5	<0.2
SBL2 125N	Soil	11	0.36	167	0.078	3	1.84	0.009	0.18	<0.1	0.02	1.5	0.2	<0.05	5	<0.5	<0.2
SBL2 150N	Soil	10	0.33	160	0.102	2	2.57	0.012	0.16	<0.1	0.03	2.2	0.2	<0.05	6	<0.5	<0.2
SBL2 175N	Soil	12	0.38	160	0.118	3	2.75	0.012	0.20	0.1	0.03	2.6	0.3	<0.05	7	<0.5	<0.2
SBL2 200N	Soil	10	0.28	209	0.108	3	2.61	0.020	0.17	<0.1	0.02	2.4	0.3	<0.05	6	<0.5	<0.2
SBL2 225N	Soil	11	0.33	135	0.102	2	2.21	0.020	0.21	<0.1	0.02	2.4	0.3	<0.05	6	<0.5	<0.2
SBL2 250N	Soil	17	0.62	185	0.111	2	2.66	0.007	0.28	<0.1	0.02	1.9	0.3	<0.05	7	<0.5	<0.2
SBL2 275N	Soil	10	0.28	184	0.098	2	2.35	0.019	0.14	<0.1	0.03	2.2	0.2	<0.05	5	<0.5	<0.2
SBL2 300N	Soil	11	0.34	230	0.098	2	2.38	0.016	0.19	<0.1	0.03	2.0	0.3	<0.05	6	<0.5	<0.2
SBL2 325N	Soil	15	0.50	127	0.121	2	2.75	0.011	0.21	0.1	0.04	2.5	0.3	<0.05	7	<0.5	<0.2
SBL2 350N	Soil	12	0.38	143	0.103	3	2.47	0.014	0.19	<0.1	0.03	2.5	0.3	<0.05	6	<0.5	<0.2
SBL2 375N	Soil	15	0.54	157	0.099	2	2.38	0.007	0.24	<0.1	0.01	1.9	0.3	<0.05	6	<0.5	<0.2
SBL2 400N	Soil	15	0.50	123	0.101	1	2.27	0.005	0.27	<0.1	0.01	1.8	0.3	<0.05	6	<0.5	<0.2
SBL2 425N	Soil	15	0.54	160	0.111	1	2.25	0.007	0.25	<0.1	0.02	1.8	0.3	<0.05	6	<0.5	<0.2
SBL2 450N	Soil	14	0.51	117	0.110	1	2.42	0.006	0.26	<0.1	0.02	1.8	0.3	<0.05	7	<0.5	<0.2
SBL2 475N	Soil	11	0.36	179	0.092	1	1.90	0.009	0.19	<0.1	0.01	1.5	0.3	<0.05	5	<0.5	<0.2
SBL2 500N	Soil	13	0.42	161	0.110	1	2.40	0.011	0.19	<0.1	0.02	2.1	0.3	<0.05	6	<0.5	<0.2
SBL2 525N	Soil	11	0.37	173	0.124	3	3.07	0.017	0.15	0.1	0.03	2.7	0.3	<0.05	7	<0.5	<0.2
SBL2 550N	Soil	13	0.34	183	0.146	<1	3.87	0.019	0.21	0.1	0.04	3.3	0.3	<0.05	10	<0.5	<0.2

## QUALITY CONTROL REPORT

VAN13003473.1

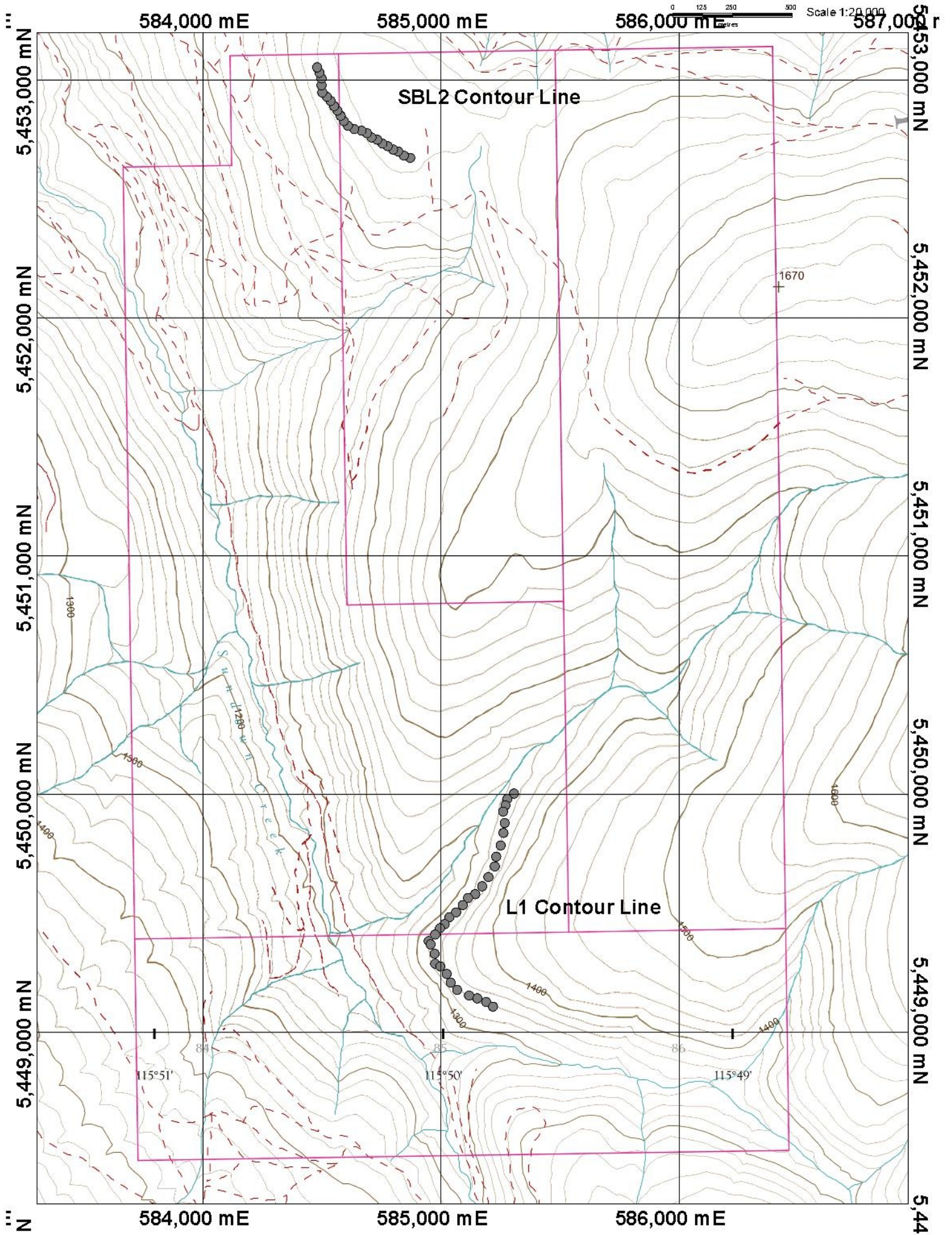
Method	Analyte	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	%	%	ppm	
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	
Pulp Duplicates																					
SBA L1+200	Soil	0.3	29.3	13.3	93	0.3	35.4	11.7	186	1.64	3.4	<0.5	4.6	31	0.2	0.1	0.2	26	0.20	0.075	18
REP SBA L1+200	QC	0.2	29.9	13.0	91	0.3	33.6	11.7	182	1.61	3.1	<0.5	4.7	30	0.2	0.1	0.2	24	0.20	0.077	18
SBA L1+600	Soil	0.6	24.4	11.3	95	<0.1	22.7	9.8	337	2.04	2.3	<0.5	5.6	23	0.2	0.1	0.2	25	0.18	0.068	16
REP SBA L1+600	QC	0.6	24.4	11.6	96	<0.1	22.9	9.9	344	1.98	2.1	<0.5	5.4	23	0.2	0.2	0.2	25	0.18	0.069	16
SBL2 225N	Soil	0.8	16.4	15.5	115	0.2	32.6	9.8	390	1.70	2.3	<0.5	5.1	29	0.3	0.2	0.2	19	0.23	0.055	24
REP SBL2 225N	QC	0.9	16.7	15.4	112	0.2	32.5	8.9	373	1.68	2.5	<0.5	4.8	29	0.3	0.3	0.2	20	0.22	0.051	22
SBL2 550N	Soil	2.1	48.9	61.8	107	0.4	84.6	19.5	191	2.69	5.5	<0.5	8.0	19	<0.1	0.5	0.5	28	0.16	0.048	32
REP SBL2 550N	QC	2.4	51.2	62.4	113	0.4	88.8	20.6	189	2.80	5.8	0.9	8.0	20	<0.1	0.4	0.4	30	0.16	0.050	34
Reference Materials																					
STD DS9	Standard	12.8	103.3	126.2	291	1.8	36.5	7.0	582	2.23	24.7	112.6	6.5	68	2.3	5.1	5.4	39	0.70	0.080	15
STD DS9	Standard	12.1	103.8	126.4	310	1.8	40.7	7.2	594	2.32	25.5	122.1	6.0	74	2.5	5.9	6.5	41	0.77	0.079	15
STD DS9 Expected		12.84	108	126	317	1.83	40.3	7.6	575	2.33	25.5	118	6.38	69.6	2.4	4.94	6.32	40	0.7201	0.0819	13.3
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1

## QUALITY CONTROL REPORT

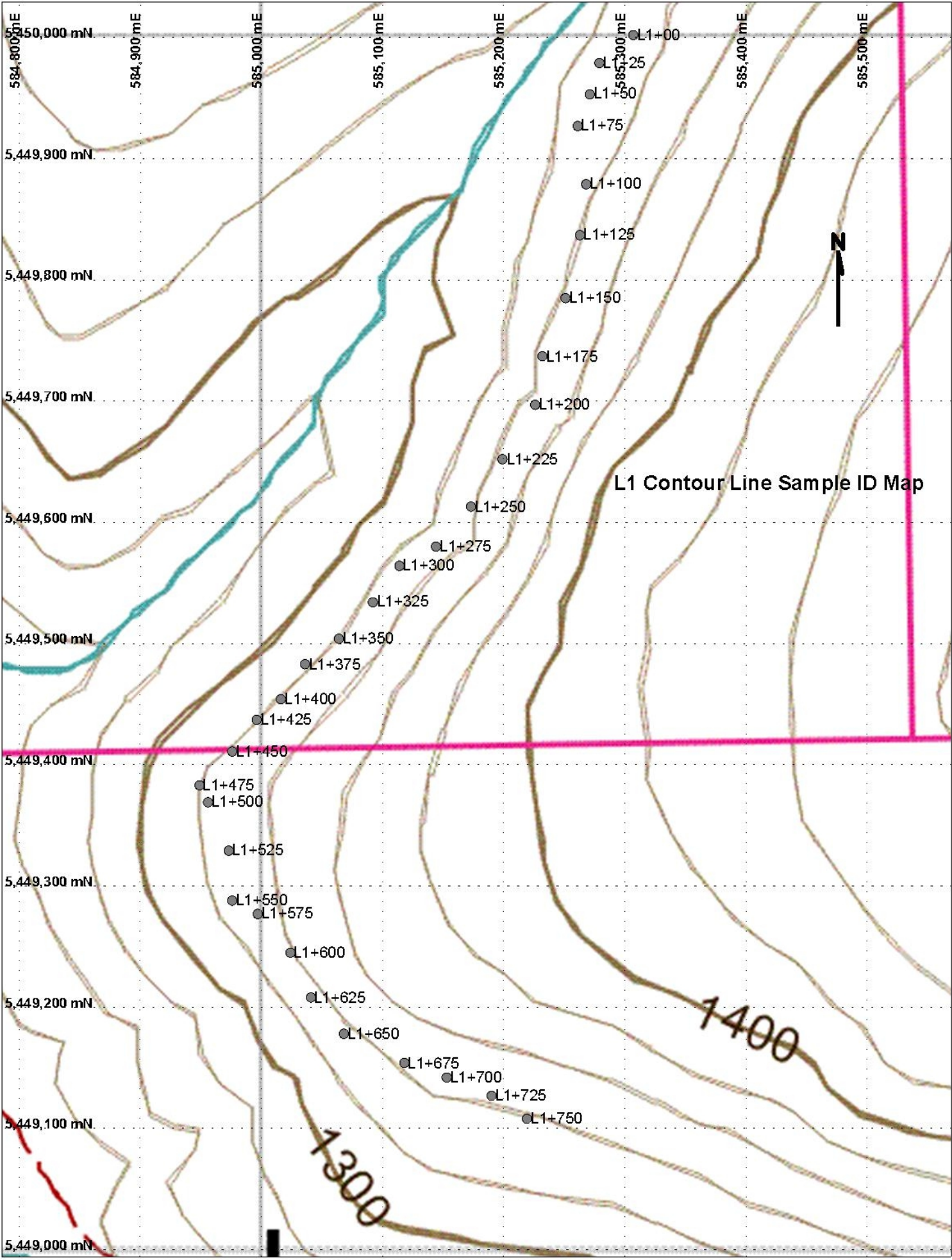
VAN13003473.1

Method	Analyte	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
Pulp Duplicates																	
SBA L1+200	Soil	11	0.23	236	0.109	2	2.40	0.030	0.16	<0.1	0.04	2.0	0.2	<0.05	6	<0.5	<0.2
REP SBA L1+200	QC	11	0.23	230	0.107	2	2.54	0.029	0.16	<0.1	0.03	2.1	0.2	<0.05	6	<0.5	<0.2
SBA L1+600	Soil	14	0.70	169	0.134	2	2.87	0.027	0.25	0.1	0.02	3.2	0.3	<0.05	8	<0.5	<0.2
REP SBA L1+600	QC	15	0.67	167	0.139	2	2.89	0.028	0.24	0.1	0.02	3.2	0.4	<0.05	8	<0.5	<0.2
SBL2 225N	Soil	11	0.33	135	0.102	2	2.21	0.020	0.21	<0.1	0.02	2.4	0.3	<0.05	6	<0.5	<0.2
REP SBL2 225N	QC	10	0.32	128	0.097	2	2.30	0.020	0.19	0.1	0.02	2.4	0.3	<0.05	6	<0.5	<0.2
SBL2 550N	Soil	13	0.34	183	0.146	<1	3.87	0.019	0.21	0.1	0.04	3.3	0.3	<0.05	10	<0.5	<0.2
REP SBL2 550N	QC	13	0.36	191	0.146	1	4.10	0.019	0.20	0.1	0.05	3.6	0.4	<0.05	10	<0.5	<0.2
Reference Materials																	
STD DS9	Standard	119	0.56	290	0.109	2	1.04	0.085	0.41	3.0	0.21	2.7	4.9	0.11	4	4.4	5.1
STD DS9	Standard	119	0.60	318	0.118	4	0.99	0.087	0.41	2.9	0.20	2.6	5.5	0.14	5	6.0	5.2
STD DS9 Expected		121	0.6165	295	0.1108		0.9577	0.0853	0.395	2.89	0.2	2.5	5.3	0.1615	4.59	5.2	5.02
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2



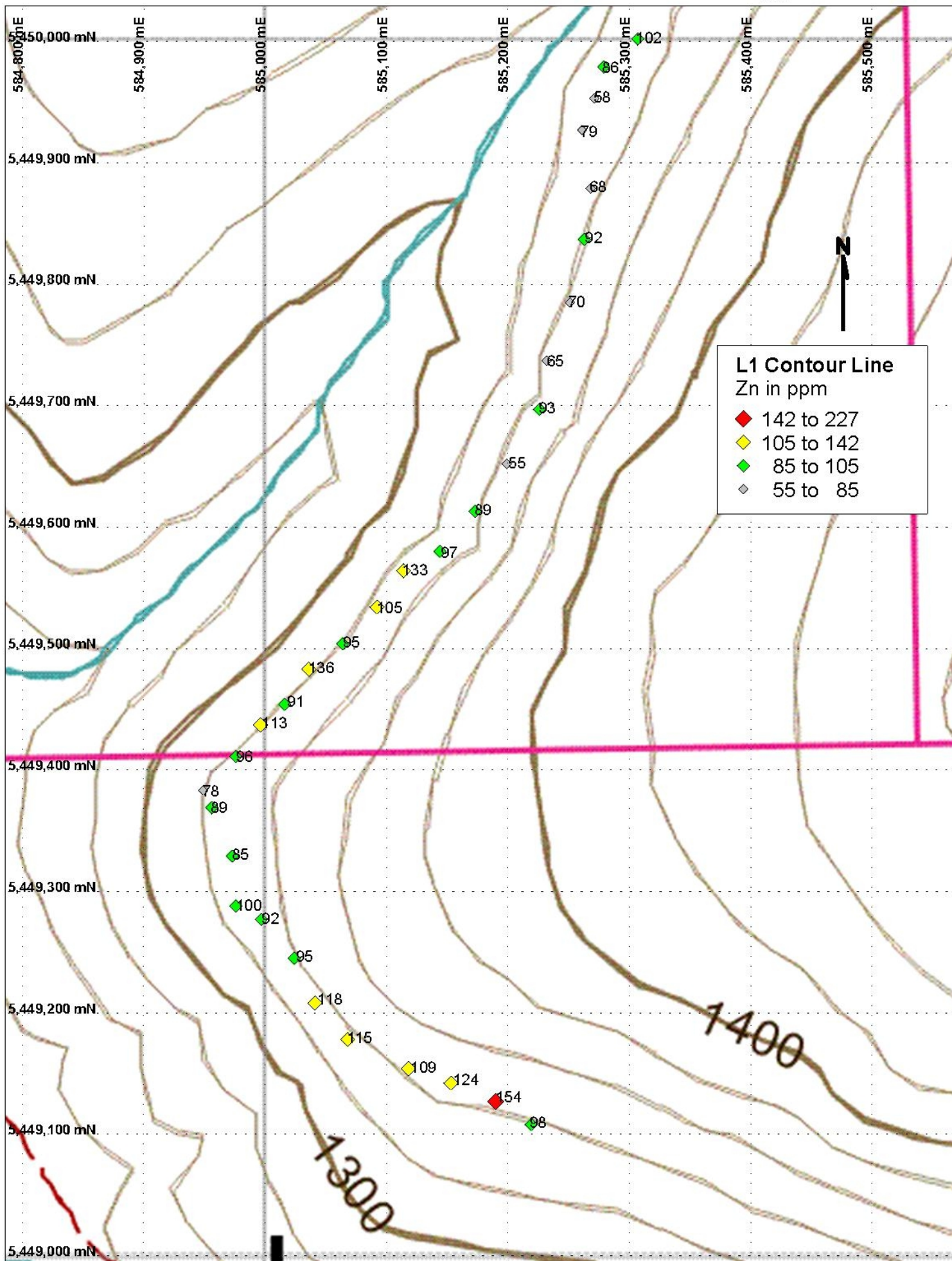


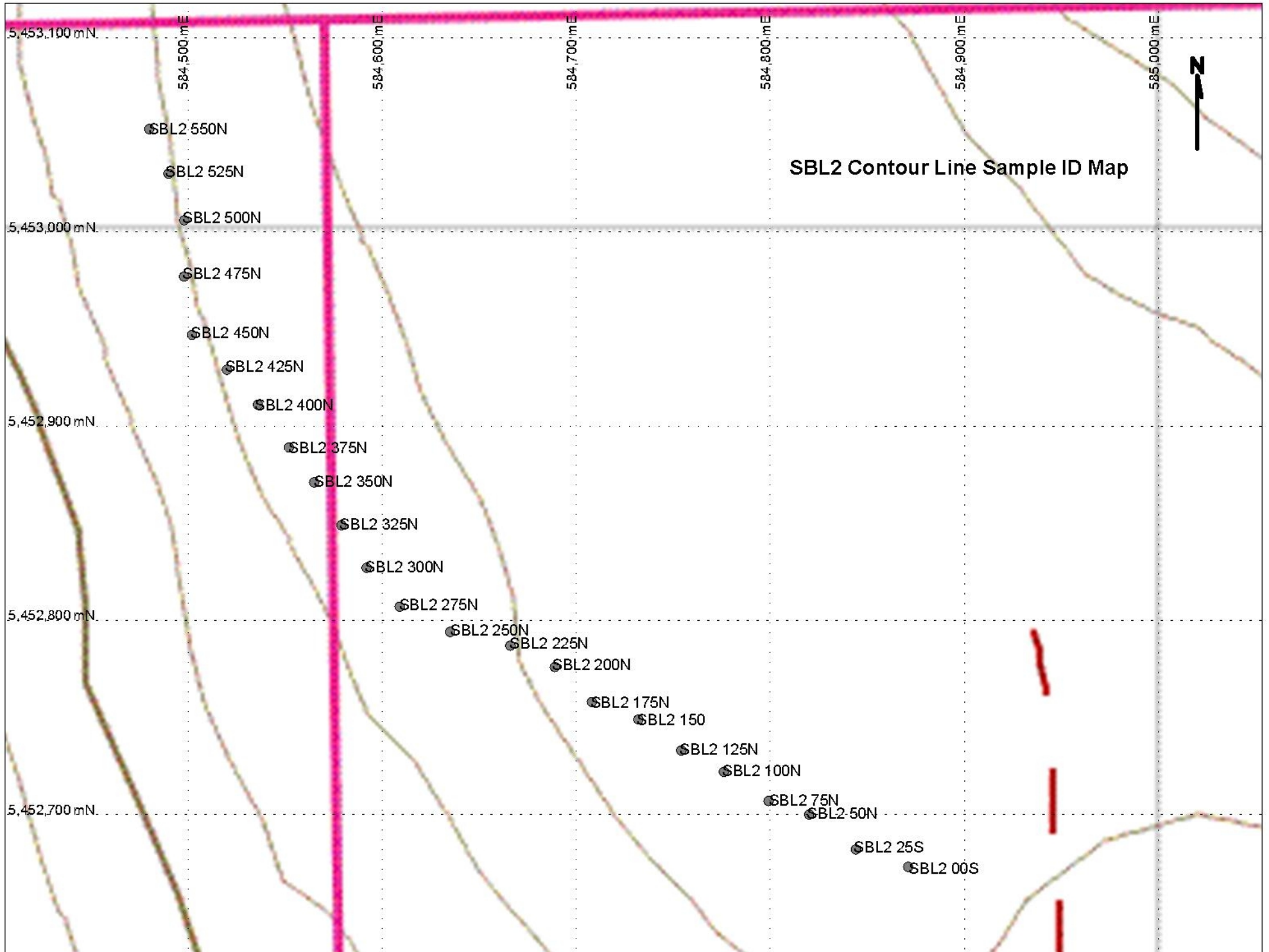


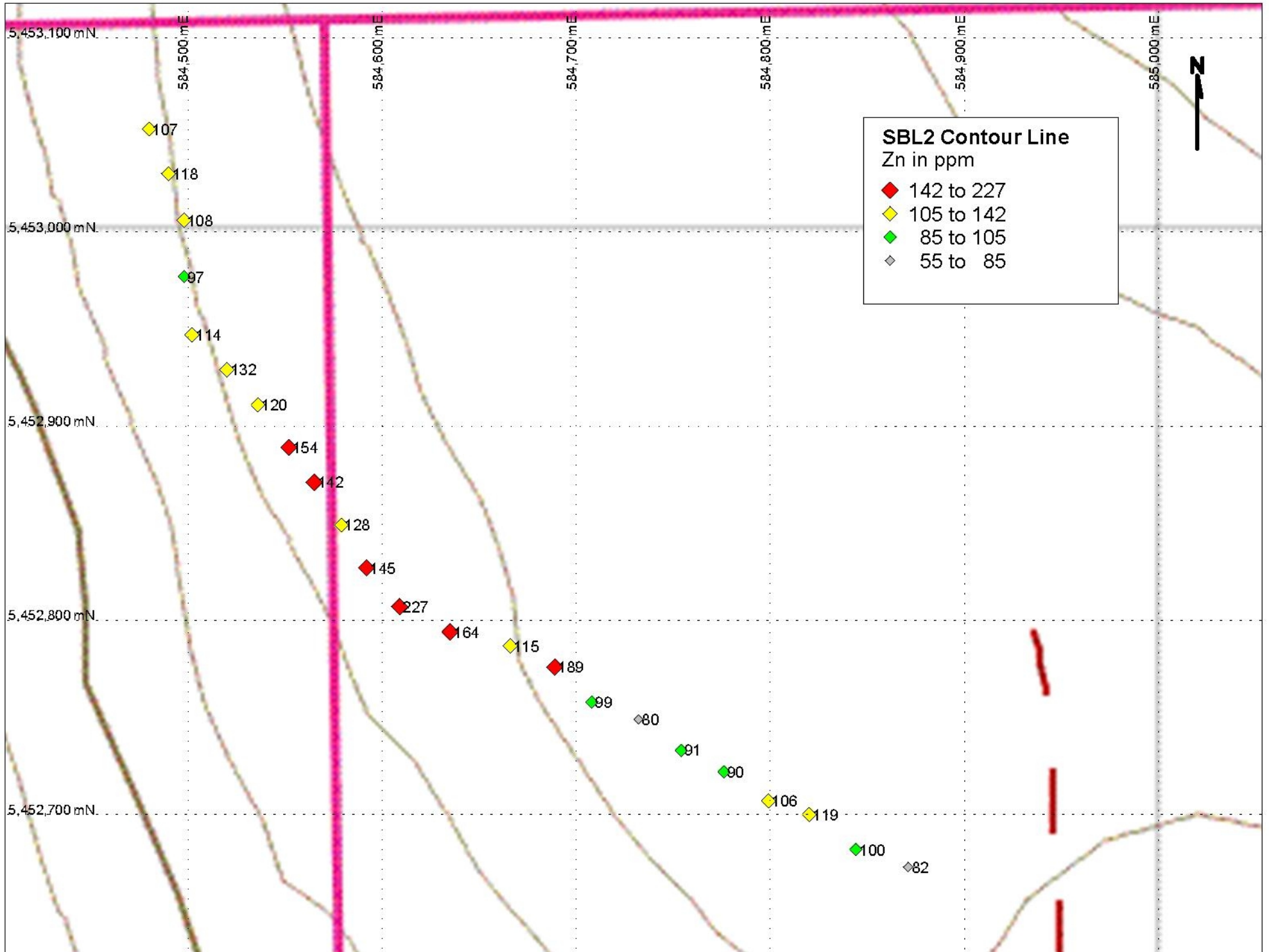


L1 Contour Line Sample ID Map











Rock Sample Location Map

Scale 1:10,000

