

Ministry of Energy and Mines
BC Geological Survey

Assessment Report
Title Page and Summary

TYPE OF REPORT [type of survey(s)]: Rock Geochem on Drill Core

TOTAL COST: \$6304.91

AUTHOR(S): Douglas Anderson

SIGNATURE(S): Douglas Anderson

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

YEAR OF WORK: 2016

STATEMENT OF WORK - CASH PAYMENTS EVENT NUMBER(S)/DATE(S): 5598484 - 2016/April/29

PROPERTY NAME: Pakk

CLAIM NAME(S) (on which the work was done): 514716

COMMODITIES SOUGHT: Lead Zinc Silver

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN:

MINING DIVISION: Fort Steele

NTS/BCGS: BCGSF059

LATITUDE: 49 ° 33 '21 " LONGITUDE: 116 ° 17 '02 " (at centre of work)

OWNER(S):

1) Peter Klewchuk

2)

MAILING ADDRESS:

408 Aspen Road

Kimberley, B.C. V1A 3B5

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

1) Kootenay Silver Inc.

2)

MAILING ADDRESS:

Suite 1820 - 1055 West Hastings Street

Vancouver, B.C. V6E 2E9

PROPERTY GEOLOGY KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude):

The Pakk property is over Proterozoic-age Aldridge Formation from the Lower Aldridge through to the middle of the Middle Aldridge. Northeast and northwest-trending faults are present which are considered to be important growth faults producing significant and unusual features such as thin bedded, argillaceous sequences and fragmental rocks at the Lower to Middle Aldridge contact. There is weak sulfide mineralization within Sullivan Time and below in the Lower Aldridge.

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS: Assessment reports include: 26191, 27916, 28424.

Next Page

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 _____			
GEOPHYSICAL (line-kilometres)			
Ground			
Magnetic _____			
Electromagnetic _____			
Induced Polarization _____			
Radiometric _____			
Seismic _____			
Other _____			
Airborne _____			
GEOCHEMICAL (number of samples analysed for...)			
Soil _____			
Silt _____			
Rock _____			
Other _____			
DRILLING (total metres; number of holes, size)			
Core Hole P-99-1 was sampled with select 20cm		samples taken from each one metre	with each 20cm described.
Non-core _____			
RELATED TECHNICAL			
Sampling/assaying A total of 65 samples were analyzed		using 30g samples - 36 element ICP.	
Petrographic _____			
Mineralographic _____			
Metallurgic _____			
PROSPECTING (scale, area) _____			
PREPARATORY / PHYSICAL			
Line/grid (kilometres) _____			
Topographic/Photogrammetric (scale, area) _____			
Legal surveys (scale, area) _____			
Road, local access (kilometres)/trail _____			
Trench (metres) _____			
Underground dev. (metres) _____			
Other _____			
TOTAL COST:			\$6304.91

REPORT ON SAMPLING OF DRILL HOLE P-99-1 FROM THE PAKK PROPERTY

FORT STEELE MINING DIVISION

PAKK CLAIMS

UTM's 551775E 5489515

Tenure Numbers: 514716, 515124, 515125, 515141, 515473

BCGS MAP 082F059

Claim Owner: Peter Klewchuk

Operator: Douglas Anderson, P.Eng.
#100-2100 13th Street South
Cranbrook, B.C.
V1C 7J5

Report by:

D. Anderson, P.Eng.

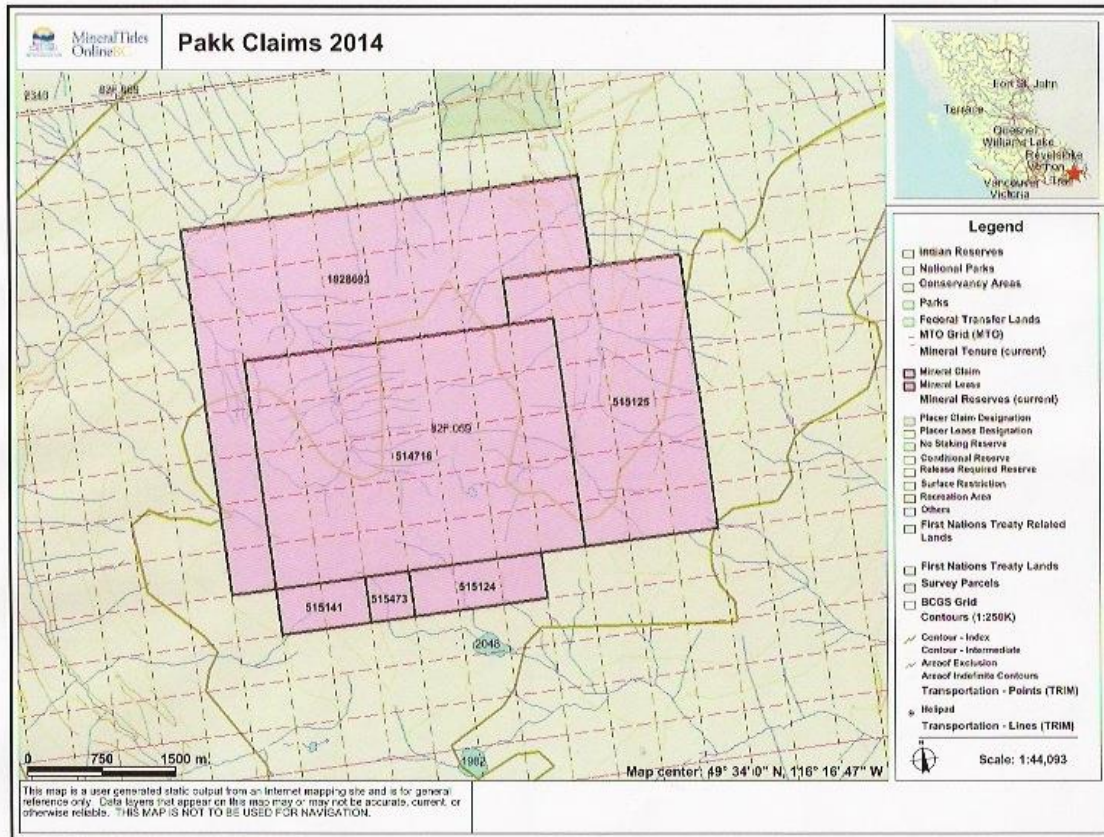
Geological Consultant
#100-2100 13th St. South
Cranbrook, B.C.
V1C 7J5

Date: April, 2016

REPORT ON SAMPLING OF DRILL HOLE P-99-1 FROM THE PAKK PROPERTY

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2.20 History

The exploration history for the Pakk area is quite long but happened sporadically for various reasons. Exploration in the Pakk claim area was focused in two eras. Early exploration focused on the copper mineralization associated with the Moyie intrusions on the west side of what is now the Pakk property. Known mineralization occurred in at least three separate areas - chalcopyrite and pyrrhotite in quartz or quartz-calcite veins all within or bounding Moyie gabbro intrusions. There was excavation work on several sites with adits but none proved of any size based on the work done. Long lapses in exploration was followed in the eighties by Cominco Ltd. work in this part of the St. Mary block. Initially work focused to the north of Pakk where the Lower to Middle Aldridge Contact was established and some Sullivan Indicators were found (Clair property) including a large fragmental body and lead-zinc in the soil. This work was complemented by a UTEM survey and two drill holes on the flanks of the St. Mary valley. Subsequent to this work Minnova explored the south side of the Cominco ground with Pulse EM, soil geochem and drilling of two holes intersecting the Lower Middle Aldridge contact but without sufficient interest created to continue. In 1994/95 Cominco Ltd. shifted exploration further south into the south flowing drainage of Jack creek. This work entailed mapping, soil geochem, and UTEM geophysics. A single hole was drilled in the upper reaches of Sinclair Creek in 1995 to test a weak Utem response (Drill Hole R-95-1). In 1999, Super Group Holdings became interested in the area because of the presence of Sullivan Horizon and improved access. Prospecting led to the discovery of mineralized float of tourmalinized fragmental in the Jack Creek drainage. Subsequent mapping and prospecting established the source of the float higher in the drainage and three short holes were drilled on the gabbro-fragmental dyke complex.

Drilling also tested Sullivan Horizon further south in the area of soil geochem anomalies. This deeper hole drilling was negative. More mapping established the presence of significant synsedimentary faulting and deepening of the Cominco hole intersected laminated Sullivan Horizon rocks and footwall fragmental in 2001. In late 2003 Klondike Gold optioned the property and in 2004 drilled a hole to 1061.9 metres collared about 1.5 kilometres SS W of the original Cominco hole. This hole did not reach the target horizon before winter conditions necessitated a cessation of activities. In 2005, the drill hole was continued to depth as DDH. Pakk-04-1E. It eventually was stopped at 1768 metres. Sullivan Time was cored over about 100 metres from 1452 to 1541 metres as: thin bedded to laminated wackes with mixed massive argillaceous sediments with disrupted fabrics. Then variations of fragmental rocks with some highly altered albite/chlorite alteration were cored to about 1705 metres. Lower Aldridge sediments were cored to the end of the hole at 1768 metres.

2014 work entailed logging of the extension of the original Cominco Ltd. drill hole R-95-1 because the core was available at the Peavine Creek property. None of this work had been recorded as assessment work. A second hole to the east of this Cominco hole was re-logged (P-99-5) because of new thoughts about lead-zinc mineralization in lower Aldridge stratigraphy.

3.00 Regional Geology

The St. Mary area is central to the Purcell Anticlinorium, a broad generally northplunging structure in southeastern B.C. that is cored by Middle Proterozoic Purcell Supergroup rocks and flanked by Late Proterozoic Windermere Group or Paleozoic sedimentary rock. The Purcell Supergroup comprises an early synrift succession, the Aldridge Formation, and an overlying generally shallow water post-rift or rift fill sequence which includes the Creston and Kitchener Formations and younger Purcell rocks. The Aldridge is the oldest formation of the Proterozoic Belt-Purcell Supergroup. The Supergroup is a thick sequence of terrigenous clastic, carbonate, and minor volcanic rocks of Middle Proterozoic age. The basal Aldridge Formation, as exposed in Canada, is siliciclastic turbidites about 4000 meters thick. It is informally divided into the Lower, Middle, and Upper members. To the north and east in the basin, the Lower Aldridge, the base of which is not exposed, is about 1500 meters of rusty weathering (due to pyrrhotite), thin to medium bedded argillite, wacke and quartzitic wacke generally interpreted as distal turbidites. The Sullivan orebody occurs at the top of this division. To the south and west in the basin in Canada, the upper part of the Lower Aldridge is dominated by grey weathering, medium to thick bedded quartz wackes considered to be proximal turbidites. The Lower Aldridge is commonly host to a proliferation of Moyie intrusions, principally as sills. The Middle Aldridge is about 2500 meters of grey to rusty weathering, dominantly medium bedded quartzitic wacke turbidites with periodic interturbidite intervals of thin bedded, rusty weathering argillites some of which form finely laminated marker beds (time stratigraphic units correlated over great distances within the Aldridge-Prichard basin). There are several Moyie intrusions as sills within the Middle Aldridge including two of the most consistent, laterally extensive sills. The Upper Aldridge is about 300 meters of thin bedded to laminated, rusty weathering, dark argillite and grey siltite often in couplet-style beds.

4.00 Property Geology and Summary of Work Done

The Pakk property covers dominantly Middle Aldridge division sedimentary rocks with included Moyie sills and dykes. The east side of the claims do cover some Lower Aldridge rocks and Sullivan Horizon in outcrop or subcrop. The package of Lower Aldridge - Sullivan Horizon - Middle Aldridge is generally west-dipping with the combination of rising topography and dip meaning Sullivan Horizon gets progressively deeper to the west. Middle Aldridge markers have been extensively mapped in this block providing good stratigraphic control on the property.

Structurally the Pakk is more complex than initially appeared to be the case. Located in the hangingwall to the regional St. Mary fault, the Lower Aldridge through Middle Aldridge sediments and intrusives are displaced along east-west, northwest, and northeast trending faults which have translational movements up to about one kilometer. The down-dip component appears to be several hundreds of metres. The northeast-striking Pakk fault has been established as a syndepositionally active structure which influenced sedimentation within this active sub-basin at about Sullivan Time and later. The entire package is also folded on various scales with dominant north-south fold axes. Details regarding the property which have and will continue to focus exploration efforts include Sullivan Time in surface outcrops and to increasing depths to the west. The character of Sullivan Time changes dramatically across the Pakk fault from a simple interface of Lower Aldridge to Middle Aldridge sediments to a thick fragmental footwall capped by about 15 metres of laminated subwacke characteristic of a Sullivan sub-basin facies. The second feature of interest (on a mineral potential basis) is a gabbro dyke complex at least one kilometer long which is located within the Middle Aldridge an estimated 3300 feet stratigraphically above Sullivan Horizon.

This dyke incorporates

gabbro patches and remnants as well as blocks of sediment fragmental and tourmalinite with incorporated sulphides. The sulphides do not contain copper minerals - chalcopyrite is consistently present with mineralization associated with Moyie intrusions. The implication is that the sulphide component to the Jack showing is not gabbro related. The current interpretation of this feature suggests

it is a gabbro dyke with xenoliths of Sullivan Indicators. The most likely source for the sulphides, fragmental and tourmalinite is Sullivan Horizon. In 2004, a drill hole directed at testing Sullivan Horizon about 1.5 kilometres SSW of the

Cominco hole and collared proximal to the Jack showing at surface was stopped short of the target horizon at 1061.9 metres. This test was an attempt to vector closer to the vent source for fragmental material and a possible sulphide focal point. In 2005, a drill was mobilized to the site, up the road built in 2004, and re-positioned on the hole. The hole was continued to 1768 metres after successfully intersecting Sullivan Horizon.

In 2014, the extension of the Cominco Ltd. hole of 1995 (528.66m) was re-examined and logged as the core for the extension done in 2000 by Chapleau Resources was available at the Peavine Creek property (Hole P-00-15). This drilling was never recorded for assessment purposes. The core included Middle Aldridge sediments then a composite Sullivan Time package from 621.25m down. To 636.25m is 15 metres of thin bedded to laminated argillite (lesser siltstone) with disseminated pyrrhotite but no lead/zinc then 19 metres of disrupted sediment with bedded and fragmental horizons followed by 92 metres of dominantly fragmental with the hole bottoming in Lower Aldridge sediments. This hole demonstrates that a sub-basin exists and thickens to west/southwest through the later hole P-04-1E.

Also looked at in 2014 was Hole P-99-5 drilled to the east in Lower Aldridge sequence rocks because of new information indicating significant lead/zinc mineralization may be present below the Footwall Quartzites of the Lower Aldridge. There are weak sphalerite bands and disseminations in this stratigraphy but no galena. The pyrrhotite content is low so there is no proximal implications based on this hole.

In 2016, it was decided to examine and sample another old drill hole on the Pakk property (P-99-1). This hole was the first of three holes drilled on the Jack showing. This feature is a vertical, dyke-like, east-west trending, gabbro-sediment body at least one kilometre long across an offsetting fault.

Below as Figure 3 is a map of the immediate area central to the Pakk property. It shows the stratigraphy from the upper part of the Lower Aldridge on the east up into the Middle Aldridge. ST is the position of Sullivan Time in the immediate block. The intrusive gabbro bodies are illustrated as well. P-99-1 is emphasized as the most westerly hole drilled into the dyke-like feature.

5.00 Examination and Sampling of Drill Hole P-99-1

The hole was collared on the west end of the Jack dyke at -45 degrees at azimuth 225 degrees. In 1999, it was designed to test across the dyke-like feature which includes: gabbro patches and blocks; middle Aldridge sediments as blocks and fragmental; and blocks of tourmalinite with incorporated sulphides as galena and sphalerite. The interpretation of the day was a dyke which had incorporated xenoliths of Sullivan Indicators, probably sourced at depth from Sullivan Horizon.

This year's work included re-examining the dyke intersected in Hole P-99-1 and completing some select sampling of the zone from a depth of 50 metres to base of zone at 115 metres. The core above and below the zone of interest was and is still considered to be Middle Aldridge stratigraphy. (For a more complete log of the drill hole see Assessment Report 26191). The location of the drill hole and the surrounding geology is included as Figure 3 in Appendix A.

In the hole above the dyke or hydrothermal vent breccia, the hole is in Middle Aldridge siltstones which are altered by widespread biotite and sericite. Bedding is often indistinct but where observed occurs at a variety of angles to the core axis. Below about 51.8 metres the hole is in a mixture of altered sediments and gabbro. Most of the interval to 64.3 metres is fragmental with a variety of clast types and either a gabbroic or sediment-based matrix. Alteration is actinolite in gabbroic material and albite in the sediments. Mineralization is mostly weakly disseminated sphalerite, arsenopyrite, pyrrhotite and galena. There are quartz-calcite veinlets, some with scheelite. From 64.3 to 105.3 metres is dominated by siltstones (far less quartzite) which are thick to very thick bedded or simply massive and in some cases slumped. Alteration is primarily sericite with local silicification and albite locally. There are intervals with garnets and tourmaline needles. Sulphides are limited with pyrrhotite most common. From 105.3 to 115.2 metres (base of sampling) is dominantly fragmental with altered sediments as matrix and clasts. There is weak to moderate disseminated pyrrhotite with some sphalerite, and arsenopyrite (rare galena and chalcopyrite). A mixture of alteration minerals include: silica, sericite, biotite, garnet, albite, and actinolite.

To achieve a sense of the mineralization present in each interval from 50 to 115.2 metres it was decided to sample 20 centimetres from each one metre interval of the core. A detailed description of each sampled interval and the corresponding sample number are included below in table format in Appendix A. Also included is a section of the portion of the drill hole and where the sample was taken (Figure 4).

The analyses were completed as 36 element ICP-MS on 30 gram samples. There is a distinct contrast in the element composition of the gabbro/sediment intervals (51.8-64.3m and 105.3 – 115.2m) versus the intervening massive and slumped sediments between. The two intervals are consistently anomalous in copper, lead, zinc, silver, and arsenic with more erratic anomalous values for gold, manganese, bismuth, and tungsten. The Bureau Veritas analytical sheets are attached as Appendix B.

6.00 Summary and Conclusions

A review of the P-99-1 drill hole and selective sampling (20cm out of each one metre of core) of it has advanced understanding of the significance of the intersection and what the complex Jack dyke represents. The presence of a mixture of gabbro intrusive and massive to bedded sediments as well as sedimentary fragmental suggests the dyke-like intrusion has become contaminated with altered sediments of several types plus a suite of economic minerals probably representative of a lead-zinc sedex source at depth. The intense alteration and anomalous lead, zinc, copper, silver and arsenic may reflect an active hydrothermal fluid.

7.00 Itemized Cost Statement

Drill Core Geo-Chem Spring 2016

Doug Anderson
March 28, 30, 31, Apr 3, 2016

4 Man days @ 500	\$2,000.00
4 Truck days @ 150	600.00
66 Drill samples Acme	2,204.91
Data Review & Analyses & Report	<u>1,500.00</u>
Total	<u>\$6,304.91</u>

8.00 Author's Qualifications

I, Douglas Anderson, Consulting Geological Engineer, have my office at #100 – 2100 13th St. South in Cranbrook, B.C. V1C 7J5.

I graduated from the University of British Columbia in 1969 with a Bachelor of Applied Science in Geological Engineering.

I have practiced my profession since 1969, mainly with one large mining company, in a number of capacities all over Western Canada and since 1998 within southeastern B.C. as a mineral exploration consultant.

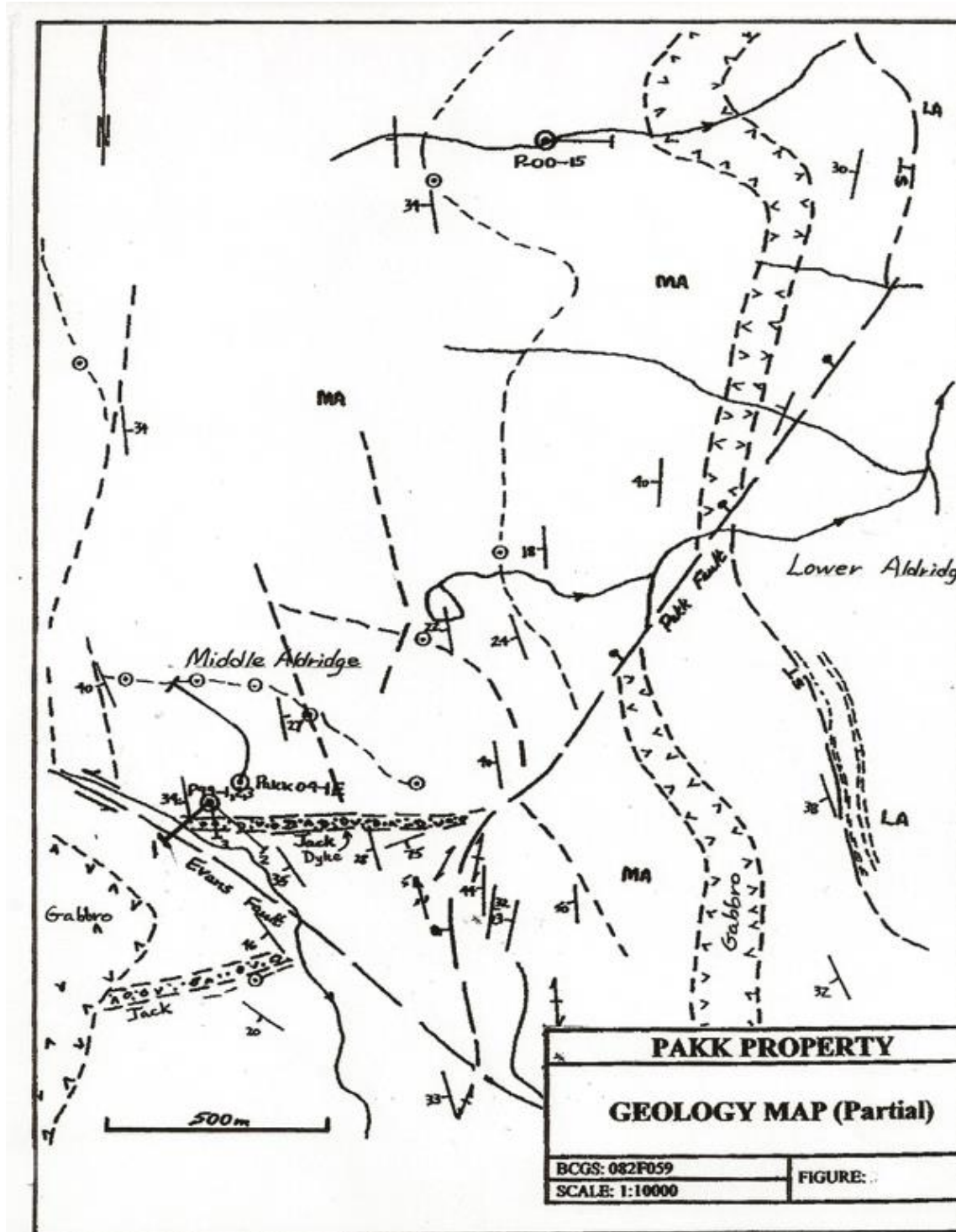
I am a Registered Professional Engineer and member of the Association of Professional Engineers and Geoscientists of B.C., and I am authorized to use their seal.

D. Anderson

Douglas Anderson, P. Eng.

Appendix A

Figure 3



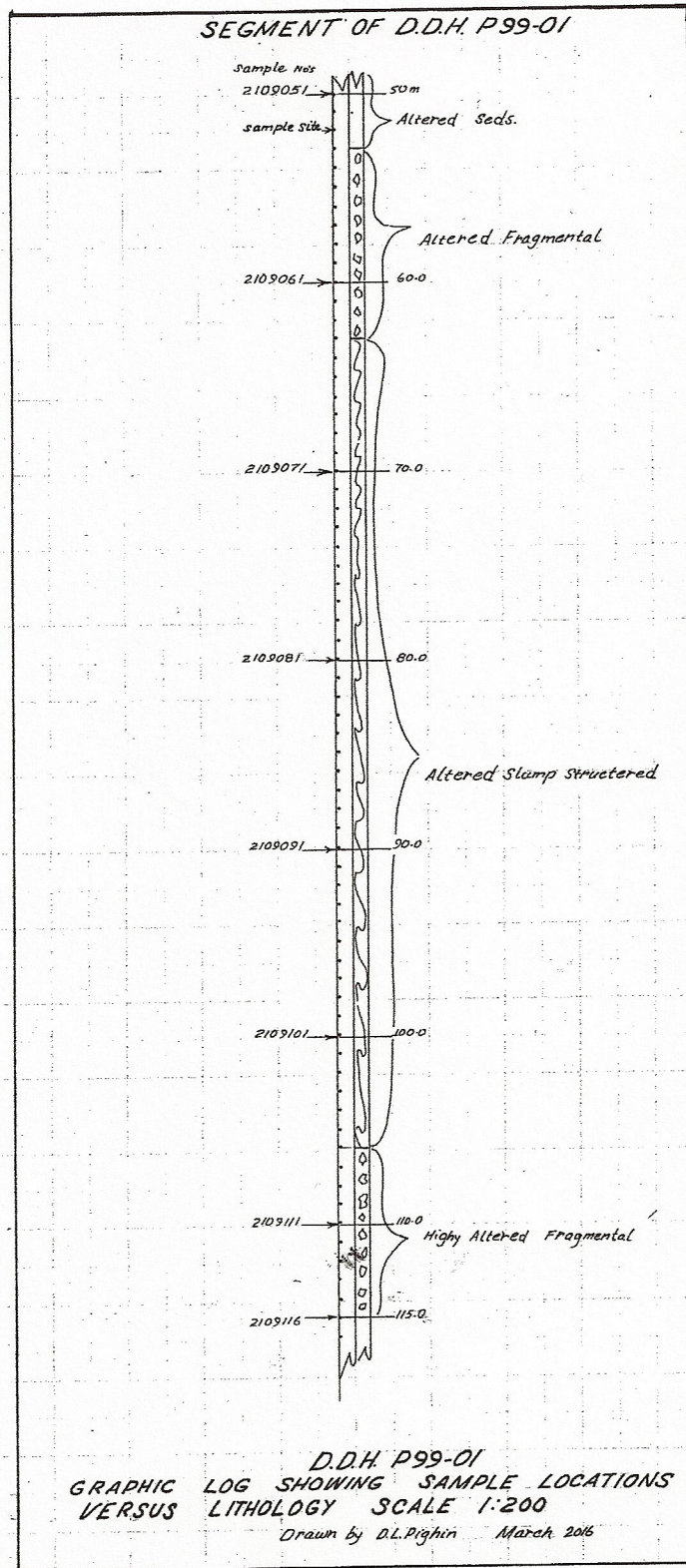


Figure 4

Pakk Property

Sampling of Drill Hole P-99-01

Sampling consisted of taking 20cm long core samples every one metre along the length of the drill hole from 50.0 to 115.2 metres. Included in this listing is the interval sampled, a sample number, and a description of the rock sampled. This portion of the drill hole cored fragmental, altered gabbro and altered siltstones which form the east-west trending Jack dyke system mapped on the surface.

From	To	Sample #	Description of rock in interval sampled
50.0	50.2	2109051	Calcareous coarse grained quartzite and fine siltstone. Silicified and sericitic. Hairline fractures with pyrrhotite.
51.0	51.2	2109052	Silicified argillite and siltstone. Sericitic with few thin fractures hosting weak sphalerite, arsenopyrite and pyrrhotite.
52.0	52.2	2109053	Calcareous (actinolitic) silicified quartzite. Veinlets of quartz. Weakly disseminated pyrrhotite and arsenopyrite. (scheelite specks).
53.0	53.2	2109054	Altered gabbro with actinolite and large crystals of clinozoisite?
54.0	54.2	2109055	Altered fragmental, clasts are albitized sediments and actinolitic gabbro. Matrix is mainly albite and actinolite. Fine disseminated pyrrhotite.
55.0	55.2	2109056	As for previous interval.
56.0	56.2	2109057	As for previous interval.
57.0	57.2	2109058	Mainly altered gabbro with calcite-quartz veinlets. Rare sphalerite and pyrrhotite.
58.0	58.2	2109059	Actinolitic gabbro with rare disseminated pyrrhotite and chalcopyrite.
59.0	59.2	2109060	A fragmental with large gabbro clasts and albitized sediments. Late subhedral pyrite and orange garnets. Very thin hairline fractures host arsenopyrite, pyrrhotite and rare chalcopyrite.
60.0	60.2	2109061	Fragmental with strongly albitized sediment clasts and actinolitized gabbro clasts. Minor disseminated pyrrhotite and arsenopyrite. Subhedral pink to orange garnets scattered through.
61.0	61.2	2109062	Fragmental as above.
62.0	62.2	2109063	Fragmental as above with altered gabbro clasts. Similar sulfides.
63.0	63.2	2109064	Fragmental as above but with seam of barren quartz. Garnets still abundant. Rare specks scheelite, sphalerite and arsenopyrite with pyrrhotite.
64.0	64.2	2109065	Sericitic, phyllitic with finely disseminated pyrite and pyrrhotite with minor arsenopyrite and very rare sphalerite
65.0	65.2	2109066	Phyllitic, sericitic sediments, some finely but weak disseminated pyrite
66.0	66.2	2109067	Sericitic siltstone, no visible sulphides

67.0	67.2	2109068	Sericitic siltstone, as above
68.0	68.2	2109069	Sericitic siltstone, with scattered patches of albitization
69.0	69.2	2109070	Sericitic, silicified quartzite with some small scattered subhedral garnets
70.0	70.2	2109071	Silicified sericitic quartzite with scattered small subhedral garnets, very rare specks of pyrrhotite
71.0	71.2	2109072	Sericitic siltstone, rare specks of pyrrhotite
72.0	72.2	2109073	Sericitic phyllitic mylonite, rare finely disseminated pyrrhotite
73.0	73.2	2109074	Calcite healed crackle brecciated quartzite, rare pyrrhotite disseminated
74.0	74.5	2109075	Sericitic quartzite, no visible mineralization (sulphides)
75.0	75.2	2109076	Silicified sericite, fine grained quartzite, rare Fe sulphides
76.0	76.2	2109077	Sericitic, weakly biotitic partly silicified siltstone. Rare iron sulphides.
77.0	77.2	2109078	Altered siltstone as above.
78.0	78.2	2109079	“ “ “
79.0	79.2	2109080	“ “ “
80.0	80.2	2109081	“ “ “
81.0	81.2	2109082	Silicified, sericitic siltstone with scattered black tourmaline needles.
82.0	82.2	2109083	Sericitic silty argillite with widely scattered tourmaline needles. Rare hairline fracture with pyrite.
83.0	83.2	2109084	Sericitic siltstone, no visible sulphides.
84.0	84.2	2109085	Sericitic siltstone cut by 1cm thick quartz-calcite vein with tourmaline needles abundant. No visible sulphides.
85.0	85.2	2109086	Sericitic siltstone – no visible sulphides.
86.0	86.2	2109087	Sericitic siltstone – abundant small black needles of tourmaline, rare specks of pyrrhotite.
87.0	87.2	2109088	Sericitic siltstone as above.
88.0	88.2	2109089	Sericitic siltstone – abundant tourmaline needles, disseminated pyrrhotite.
89.0	89.2	2109090	Sericitic siltstone with weak disseminated tourmaline. No sulphides
90.0	90.2	2109091	As above
91.0	91.2	2109092	As above
92.0	92.2	2109093	Silicified, sericitic siltstones. Host a large garnet, biotite, albite concretion. Minor arsenopyrite.
93.0	93.2	2109094	Intensely silicified and sericitized with abundant orange subhedral garnets scattered throughout. Tiny tourmaline needles.
94.0	94.2	2109095	Coarse grained to fine grained quartzite. Intensely silicified with sericite. Tiny tourmaline needles.
95.0	95.2	2109096	Fine grained quartzite with intense silicification and sericite. Small pink and orange garnets. Minor pyrrhotite.
96.0	96.2	2109097	Siltstone which is silicified and sericitic. Rare pyrrhotite. One thin quartz veinlet with pyrrhotite.
97.0	97.2	2109098	Sericitic silty argillite. Tiny tourmaline needles.
98.0	98.2	2109099	Sericitic silty argillite. No sulphides.
99.0	99.2	2109100	Silicified sericitic siltstone with biotite, garnet and pyrrhotite.
100	100.2	2109101	As above with abundant subhedral pink garnets. Rare tourmaline

			Patches of albite.
101	101.2	2109102	Coarse grained to fine grained quartzite. Strongly silicified, sericite. Tiny tourmaline needles.
102	102.2	2109103	Fine grained quartzite which is silicified and albitized. Abundant subhedral pink garnet. Disseminated pyrrhotite.
103	103.2	2109104	Intensely silicified quartzite. It is sericitic in part and weakly crackle brecciated with quartz healing, iron carbonate and minor pyrrhotite.
104	104.2	2109105	Fine grained quartzite which is intensely silicified and sericitized. Brecciated with dolomite and quartz healing. Minor pyrrhotite and Arsenopyrite. A few chlorite veinlets.
105	105.2	2109106	Actinolite quartz hornfels. Disseminated pyrrhotite, rare sphalerite.
106	106.2	2109107	Fragmental – intensely silicified/sericite both matrix and clasts. Some clasts quite biotitic.
107	107.2	2109108	Fragmental with clasts and matrix altered to sericite and biotite. Sphalerite quite abundant as disseminations. A few quartz veinlets with sphalerite and galena.
108	108.2	2109109	Fragmental – silicified with rare garnets, minor patches of albite with some actinolite. Few quartz veinlets with galena.
109	109.2	2109110	Fragmental – both clasts and matrix silicified and some sericite. Minor epidote. Pyrite abundant, some sphalerite.
110	110.2	2109111	Fragmental as above. Minor disseminated pyrrhotite.
111	111.2	2109112	Silicified quartzite with sericite. Scattered subhedral pink garnets.
112	112.2	2109113	Altered fragmental, matrix mainly actinolite and sericite. Clasts are altered to quartz, albite and epidote. Pyrrhotite disseminated. Note sphalerite, arsenopyrite (chalcopyrite).
113	113.2	2109114	Fragmental as above.
114	114.2	2109115	Fragmental – matrix is intensely silicified with sericite late. Clasts are strongly albitized. Disseminated pyrrhotite.
115	115.2	2109116	Fragmental as above with no sphalerite.
End			



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Canada

www.bureauveritas.com/um

Bureau Veritas Commodities Canada 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: April 05, 2016
Report Date: April 13, 2016
Page: 1 of 4

CERTIFICATE OF ANALYSIS

VAN16000569.1

CLIENT JOB INFORMATION

Project: None Given
Shipment ID:
P.O. Number
Number of Samples: 66

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-250	66	Crush, split and pulverize 250 g rock to 200 mesh			VAN
AQ202	66	1:1:1 Aqua Regia digestion ICP-MS analysis	30	Completed	VAN

SAMPLE DISPOSAL

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

ADDITIONAL COMMENTS

Bureau Veritas 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. Bureau Veritas 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.



Bureau Veritas Commodities Canada 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

Project: None Given
Report Date: April 13, 2016

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CERTIFICATE OF ANALYSIS

VAN16000569.1

Method	WGHT	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202
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	
2109051	Drill Core	0.79	0.3	26.1	103.8	137	0.1	14.0	7.7	787	2.90	27.7	1.4	1.2	13.3	19	0.5	<0.1	0.8	31	1.00
2109052	Drill Core	0.59	0.3	97.7	688.6	2264	1.6	30.4	12.6	1280	5.18	14.4	1.5	0.8	13.9	16	16.0	0.1	10.4	44	1.12
2109053	Drill Core	1.26	0.3	115.0	43.7	190	<0.1	65.0	47.6	934	3.12	353.6	<0.1	<0.5	0.5	36	0.9	0.4	0.6	72	1.88
2109054	Drill Core	1.30	0.3	2.3	5.7	191	<0.1	58.3	37.4	1875	5.14	169.5	0.1	0.7	1.2	19	0.3	0.2	0.1	117	1.11
2109055	Drill Core	0.97	0.3	155.1	85.1	548	0.2	79.1	52.3	1219	3.50	406.6	0.1	1.5	0.9	32	2.9	0.4	1.6	76	1.61
2109056	Drill Core	1.21	0.2	96.3	88.9	192	0.3	75.6	45.0	1223	4.16	260.5	<0.1	5.5	0.8	28	0.7	0.3	5.1	110	1.15
2109057	Drill Core	1.10	0.3	96.8	203.6	448	0.6	61.5	52.4	1014	3.04	331.5	0.2	1.7	0.8	35	2.7	0.4	3.2	70	1.08
2109058	Drill Core	1.25	0.4	11.9	10.1	343	<0.1	48.0	30.4	1593	3.94	192.1	<0.1	0.9	0.7	26	1.4	0.2	0.1	89	1.55
2109059	Drill Core	1.15	0.3	112.4	13.7	213	<0.1	78.3	41.3	1928	6.17	190.5	<0.1	<0.5	0.7	26	0.6	0.2	0.4	134	1.18
2109060	Drill Core	1.25	0.2	156.5	24.4	310	<0.1	67.7	34.0	1479	5.06	198.6	0.3	0.8	2.3	45	1.2	0.3	0.6	106	2.03
2109061	Drill Core	1.21	0.5	271.7	35.4	740	0.1	68.3	27.4	1172	3.59	62.9	0.3	<0.5	2.0	31	4.7	0.3	0.5	44	1.52
2109062	Drill Core	0.94	0.4	111.2	50.5	809	0.1	65.4	34.4	1492	5.16	232.2	0.2	<0.5	1.4	24	4.4	0.3	0.4	105	1.12
2109063	Drill Core	1.02	0.2	153.1	145.5	813	0.3	56.4	38.8	1167	3.91	318.7	<0.1	<0.5	0.8	29	5.0	0.4	1.1	84	1.90
2109064	Drill Core	1.20	0.3	146.2	114.3	428	0.4	49.1	29.2	2306	5.38	460.3	0.1	1.9	0.7	19	2.2	0.3	2.7	132	1.13
2109065	Drill Core	0.82	0.2	71.5	54.4	303	0.1	59.5	35.9	1642	7.18	26.0	0.9	<0.5	5.7	15	1.6	<0.1	1.6	177	0.84
2109066	Drill Core	0.83	0.4	83.1	5.0	44	<0.1	15.8	10.7	364	2.69	13.3	2.1	<0.5	12.4	4	<0.1	<0.1	0.8	19	0.10
2109067	Drill Core	1.04	0.5	7.8	2.8	38	<0.1	14.5	7.9	411	3.10	9.5	2.9	<0.5	23.4	10	<0.1	<0.1	0.1	11	0.33
2109068	Drill Core	1.09	0.3	23.3	4.8	53	<0.1	21.6	10.6	413	3.06	14.4	2.4	<0.5	18.3	7	<0.1	<0.1	0.3	11	0.30
2109069	Drill Core	1.18	0.3	24.1	18.6	58	<0.1	19.3	6.6	617	3.22	4.0	1.6	<0.5	11.1	16	<0.1	<0.1	0.3	23	1.05
2109070	Drill Core	0.93	0.4	25.8	59.0	82	<0.1	14.0	6.9	458	2.35	4.5	1.7	<0.5	11.0	12	0.1	<0.1	0.5	16	0.65
2109071	Drill Core	1.02	0.8	4.5	10.5	48	<0.1	19.6	10.0	422	2.74	45.5	2.5	<0.5	18.3	12	<0.1	<0.1	0.2	13	0.45
2109072	Drill Core	1.23	0.2	47.4	9.8	25	<0.1	17.3	5.1	462	1.93	3.0	1.5	<0.5	8.3	20	<0.1	<0.1	0.3	11	1.24
2109073	Drill Core	0.92	0.9	66.1	9.3	38	<0.1	30.2	12.2	518	3.55	11.0	1.4	1.8	11.8	11	<0.1	<0.1	0.9	14	0.17
2109074	Drill Core	0.82	0.3	21.1	14.7	16	<0.1	14.6	5.8	982	1.41	5.1	1.1	<0.5	7.1	71	<0.1	<0.1	0.5	11	4.75
2109075	Drill Core	1.01	0.4	10.1	4.0	14	<0.1	11.8	6.4	431	1.46	9.1	2.6	<0.5	17.5	23	<0.1	0.2	0.4	7	1.36
2109076	Drill Core	0.86	0.4	13.4	15.6	49	<0.1	14.8	6.9	431	2.52	7.1	1.7	<0.5	11.0	10	<0.1	<0.1	0.4	17	0.59
2109077	Drill Core	0.86	0.5	5.1	11.4	48	<0.1	15.2	8.1	466	2.54	17.2	2.0	<0.5	14.4	10	<0.1	<0.1	0.3	13	0.62
2109078	Drill Core	1.12	0.3	17.8	30.6	80	<0.1	13.0	6.9	403	2.31	3.3	1.1	<0.5	8.4	10	0.1	<0.1	0.7	19	0.53
2109079	Drill Core	1.03	0.3	11.6	8.8	43	<0.1	16.7	7.3	419	2.75	8.9	1.8	<0.5	11.9	9	<0.1	<0.1	0.3	17	0.49
2109080	Drill Core	0.97	0.4	12.7	3.9	33	<0.1	18.6	7.7	378	2.59	12.9	1.9	0.8	13.0	10	<0.1	<0.1	0.2	11	0.39



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Method Analyte Unit MDL	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202
	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Te ppm	
2109051	Drill Core	0.047	33	24	0.52	33	0.090	2	1.33	0.026	0.64	0.2	<0.01	3.7	0.6	0.10	5	<0.5	<0.2
2109052	Drill Core	0.019	31	37	0.90	45	0.150	1	2.21	0.033	0.79	0.4	<0.01	5.5	0.9	0.54	9	0.7	0.3
2109053	Drill Core	0.040	1	66	0.73	7	0.152	1	1.43	0.012	0.05	36.0	<0.01	6.0	<0.1	0.63	3	<0.5	<0.2
2109054	Drill Core	0.038	2	106	1.98	58	0.139	2	2.96	0.012	0.39	0.4	<0.01	6.2	0.4	<0.05	5	<0.5	<0.2
2109055	Drill Core	0.037	2	70	0.94	27	0.138	<1	1.71	0.018	0.17	2.6	<0.01	5.2	0.2	0.64	3	<0.5	<0.2
2109056	Drill Core	0.036	2	95	1.08	28	0.148	1	1.98	0.025	0.17	0.5	<0.01	7.4	0.2	0.55	3	<0.5	0.3
2109057	Drill Core	0.040	2	81	0.76	38	0.155	<1	1.56	0.015	0.16	1.4	<0.01	6.0	0.2	0.72	3	<0.5	<0.2
2109058	Drill Core	0.034	2	82	1.49	31	0.117	<1	2.17	0.027	0.14	0.3	<0.01	6.1	0.1	0.05	4	<0.5	<0.2
2109059	Drill Core	0.035	2	111	1.82	31	0.149	<1	2.87	0.027	0.17	0.4	<0.01	8.3	0.1	0.63	6	<0.5	<0.2
2109060	Drill Core	0.035	4	86	1.25	30	0.131	2	2.26	0.025	0.29	0.5	<0.01	10.2	0.4	0.86	5	<0.5	<0.2
2109061	Drill Core	0.036	5	43	0.56	17	0.134	2	1.27	0.014	0.11	1.7	<0.01	4.3	0.2	1.51	3	<0.5	<0.2
2109062	Drill Core	0.034	3	98	1.44	97	0.155	<1	2.42	0.028	0.58	0.4	<0.01	7.3	0.6	0.70	4	<0.5	<0.2
2109063	Drill Core	0.038	2	83	0.95	39	0.156	<1	1.72	0.034	0.32	1.1	<0.01	6.5	0.4	0.84	4	<0.5	<0.2
2109064	Drill Core	0.036	2	99	1.35	20	0.116	<1	2.29	0.014	0.21	58.2	<0.01	6.4	0.3	0.86	5	<0.5	<0.2
2109065	Drill Core	0.036	22	131	3.83	19	0.012	<1	4.37	0.003	0.30	0.1	<0.01	19.8	0.3	0.69	13	<0.5	<0.2
2109066	Drill Core	0.018	38	21	0.52	16	0.009	<1	1.21	0.036	0.12	5.3	<0.01	2.7	<0.1	0.13	5	<0.5	<0.2
2109067	Drill Core	0.026	54	15	0.58	67	0.054	<1	1.70	0.008	0.45	0.2	<0.01	1.9	0.2	<0.05	5	<0.5	<0.2
2109068	Drill Core	0.028	41	13	0.52	61	0.043	<1	1.54	0.008	0.41	<0.1	<0.01	1.9	0.2	0.10	4	<0.5	<0.2
2109069	Drill Core	0.043	30	23	0.56	23	0.054	<1	1.40	0.042	0.14	0.4	<0.01	3.2	<0.1	0.08	5	<0.5	<0.2
2109070	Drill Core	0.019	31	19	0.41	43	0.075	<1	1.09	0.030	0.27	<0.1	<0.01	2.8	0.2	0.08	4	<0.5	<0.2
2109071	Drill Core	0.028	50	13	0.49	118	0.124	<1	1.50	0.015	0.72	0.1	<0.01	2.0	0.7	<0.05	5	<0.5	<0.2
2109072	Drill Core	0.016	41	13	0.28	44	0.036	2	0.86	0.019	0.22	0.4	<0.01	2.1	0.1	0.14	3	<0.5	<0.2
2109073	Drill Core	0.026	86	13	0.46	43	0.012	<1	1.46	0.019	0.24	0.6	<0.01	2.7	0.2	0.33	4	<0.5	<0.2
2109074	Drill Core	0.017	32	14	0.22	14	0.023	<1	0.56	0.036	0.08	0.3	<0.01	2.4	<0.1	0.09	2	<0.5	<0.2
2109075	Drill Core	0.022	13	8	0.24	59	0.027	<1	0.85	0.019	0.34	0.3	<0.01	1.4	0.1	<0.05	3	<0.5	<0.2
2109076	Drill Core	0.020	27	20	0.46	31	0.105	<1	1.14	0.038	0.21	0.2	<0.01	2.9	0.1	0.06	4	<0.5	<0.2
2109077	Drill Core	0.023	32	15	0.47	59	0.104	<1	1.30	0.023	0.34	0.4	<0.01	2.3	0.2	<0.05	5	<0.5	<0.2
2109078	Drill Core	0.018	25	21	0.40	33	0.121	<1	0.99	0.046	0.34	0.2	<0.01	3.5	0.3	0.09	4	<0.5	<0.2
2109079	Drill Core	0.023	32	18	0.49	56	0.097	<1	1.28	0.032	0.39	0.1	<0.01	2.3	0.3	0.05	5	<0.5	<0.2
2109080	Drill Core	0.023	35	15	0.44	39	0.059	3	1.18	0.023	0.21	0.1	<0.01	1.6	<0.1	0.07	4	<0.5	<0.2



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Method	WGHT	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202
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	
2109081	Drill Core	0.93	0.7	4.2	4.0	37	<0.1	18.1	7.1	331	2.44	7.5	1.7	<0.5	14.7	6	<0.1	<0.1	0.2	13	0.16
2109082	Drill Core	1.16	1.1	1.0	3.4	49	<0.1	24.0	6.5	398	2.54	5.4	2.5	<0.5	20.7	17	<0.1	<0.1	<0.1	11	0.32
2109083	Drill Core	0.83	0.4	11.3	14.9	94	<0.1	19.6	7.0	556	3.15	8.9	2.0	<0.5	12.7	9	<0.1	<0.1	0.3	22	0.42
2109084	Drill Core	1.02	0.6	9.0	6.0	72	<0.1	16.9	9.9	452	2.77	29.3	2.1	1.2	15.4	6	<0.1	<0.1	0.4	16	0.30
2109085	Drill Core	1.27	1.0	22.2	14.1	76	<0.1	19.6	13.0	490	2.83	44.3	3.2	0.8	21.9	5	<0.1	0.1	1.5	14	0.27
2109086	Drill Core	0.83	0.7	30.1	22.1	72	<0.1	15.1	7.9	526	2.42	10.2	1.4	<0.5	10.1	7	<0.1	0.1	1.0	20	0.41
2109087	Drill Core	1.05	0.5	20.4	22.0	87	<0.1	20.2	9.0	469	2.57	15.1	1.9	<0.5	13.7	10	<0.1	<0.1	0.4	20	0.44
2109088	Drill Core	1.06	0.4	47.0	4.6	57	<0.1	22.3	13.3	367	2.56	48.1	2.4	<0.5	17.2	11	<0.1	0.1	0.7	11	0.34
2109089	Drill Core	1.09	8.3	88.3	6.9	77	<0.1	26.4	18.5	384	2.61	97.4	2.6	7.3	15.3	16	0.3	0.2	1.2	11	0.44
2109090	Drill Core	1.03	0.4	23.7	5.0	101	<0.1	13.7	7.2	432	2.77	9.8	2.3	4.0	17.0	14	0.2	<0.1	2.3	13	0.32
2109091	Drill Core	0.81	0.4	24.0	21.0	149	0.1	28.3	17.1	445	2.81	107.3	2.4	<0.5	17.3	11	0.3	0.1	0.8	14	0.35
2109092	Drill Core	1.02	0.8	5.2	13.7	68	<0.1	17.0	6.6	511	2.52	21.8	2.9	<0.5	20.5	16	<0.1	<0.1	0.3	14	0.59
2109093	Drill Core	0.85	1.0	12.3	213.7	245	<0.1	18.5	10.8	947	3.13	39.0	1.9	<0.5	14.1	15	0.4	<0.1	0.4	33	0.98
2109094	Drill Core	1.16	0.5	22.2	23.5	91	<0.1	8.2	5.2	354	1.16	23.8	1.3	<0.5	8.0	18	0.2	<0.1	0.3	10	0.57
2109095	Drill Core	1.05	0.9	6.3	31.0	71	<0.1	20.8	11.3	502	2.42	103.7	2.6	<0.5	20.2	9	<0.1	<0.1	<0.1	17	0.49
2109096	Drill Core	0.89	0.4	45.0	22.9	104	<0.1	12.0	8.0	643	2.61	1.9	1.4	<0.5	8.5	15	<0.1	<0.1	0.2	17	0.58
2109097	Drill Core	0.89	0.8	60.8	7.7	48	<0.1	33.3	33.0	341	2.53	415.0	2.8	4.4	19.7	11	<0.1	0.3	1.9	9	0.37
2109098	Drill Core	0.97	0.6	1.1	2.4	68	<0.1	17.2	3.4	360	2.20	1.9	2.5	<0.5	22.1	24	<0.1	<0.1	<0.1	10	0.24
2109099	Drill Core	1.05	0.4	46.0	4.0	61	<0.1	28.3	17.4	327	2.77	209.1	2.4	4.8	17.8	10	<0.1	0.2	0.8	10	0.37
2109100	Drill Core	1.15	0.4	33.7	8.5	126	<0.1	24.0	11.4	394	2.85	114.7	2.1	<0.5	15.5	11	0.3	0.1	0.4	13	0.37
2109101	Drill Core	1.10	0.5	77.7	19.5	97	<0.1	17.3	11.3	541	2.70	4.3	1.4	<0.5	9.2	15	0.1	<0.1	0.2	17	0.59
2109102	Drill Core	0.96	0.7	3.2	27.8	57	<0.1	14.0	7.6	397	1.65	64.1	2.3	<0.5	17.0	22	<0.1	0.1	<0.1	11	0.72
2109103	Drill Core	1.16	0.4	151.0	85.0	178	0.4	11.0	13.9	1117	3.26	72.1	0.6	4.2	3.5	21	0.8	0.2	3.1	10	1.21
2109104	Drill Core	0.87	0.4	45.2	16.9	30	0.2	17.0	10.1	970	1.93	28.5	1.9	8.6	13.7	102	<0.1	0.2	0.6	12	2.11
2109105	Drill Core	0.90	0.4	128.8	30.8	92	0.5	69.5	31.2	3241	8.80	56.8	<0.1	15.6	0.4	257	0.2	0.3	2.2	51	5.98
2109106	Drill Core	1.19	0.3	69.2	68.0	403	0.1	63.1	27.3	1375	3.95	128.4	<0.1	<0.5	0.6	30	1.9	0.2	0.4	85	1.50
2109107	Drill Core	0.98	0.5	1.6	44.9	245	0.2	45.3	25.6	1522	4.92	50.4	0.9	<0.5	6.3	27	0.5	<0.1	0.8	83	0.59
2109108	Drill Core	1.39	0.5	8.1	2395.3	4627	0.9	32.6	23.3	1383	4.72	33.7	1.0	1.7	7.2	17	29.9	0.3	1.7	54	0.49
2109109	Drill Core	1.08	0.5	19.7	268.0	357	0.4	79.6	72.4	1815	4.92	231.9	0.2	<0.5	1.4	37	1.9	0.3	1.5	125	1.68
2109110	Drill Core	1.12	0.4	368.5	514.8	1189	1.4	62.1	31.0	353	3.12	162.5	0.1	4.8	0.7	39	16.3	0.3	9.5	31	1.47



Bureau Veritas Commodities Canada 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

Project: None Given
Report Date: April 13, 2016

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CERTIFICATE OF ANALYSIS

VAN16000569.1

Method Analyte Unit MDL	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202
	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Te ppm	
2109081	Drill Core	0.026	41	15	0.86	33	0.011	1	1.43	0.016	0.24	0.2	<0.01	2.0	<0.1	<0.05	5	<0.5	<0.2
2109082	Drill Core	0.029	16	16	1.36	44	0.021	2	1.84	0.007	0.28	0.1	<0.01	1.4	<0.1	<0.05	5	<0.5	<0.2
2109083	Drill Core	0.028	33	24	0.63	31	0.107	1	1.44	0.038	0.26	0.3	<0.01	3.2	0.2	0.07	6	<0.5	<0.2
2109084	Drill Core	0.024	38	17	0.51	67	0.118	1	1.34	0.024	0.50	0.8	<0.01	1.9	0.5	0.06	4	<0.5	<0.2
2109085	Drill Core	0.028	61	15	0.47	98	0.139	3	1.47	0.009	0.75	1.2	<0.01	2.2	0.8	0.12	5	<0.5	<0.2
2109086	Drill Core	0.021	29	22	0.42	43	0.119	1	1.05	0.042	0.31	0.4	<0.01	2.8	0.3	0.15	5	<0.5	<0.2
2109087	Drill Core	0.021	36	20	0.44	78	0.139	2	1.23	0.041	0.56	0.2	<0.01	2.6	0.5	0.11	5	<0.5	<0.2
2109088	Drill Core	0.029	44	12	0.39	68	0.060	3	1.19	0.010	0.57	0.4	<0.01	1.5	0.6	0.28	4	<0.5	<0.2
2109089	Drill Core	0.046	16	11	0.34	74	0.028	3	1.24	0.019	0.47	0.8	<0.01	3.2	0.2	0.46	4	<0.5	<0.2
2109090	Drill Core	0.022	20	13	0.45	73	0.076	3	1.37	0.010	0.63	0.4	<0.01	1.9	0.6	0.14	4	<0.5	<0.2
2109091	Drill Core	0.024	49	14	0.45	80	0.077	2	1.42	0.009	0.71	0.5	<0.01	2.0	0.7	0.14	4	<0.5	<0.2
2109092	Drill Core	0.074	55	17	0.43	70	0.061	3	1.39	0.018	0.59	0.5	<0.01	2.1	0.5	<0.05	4	<0.5	<0.2
2109093	Drill Core	0.027	38	34	0.62	54	0.139	<1	1.55	0.043	0.41	0.3	<0.01	4.1	0.3	0.07	6	<0.5	<0.2
2109094	Drill Core	0.016	19	15	0.23	52	0.081	<1	0.80	0.027	0.12	0.3	<0.01	1.9	0.1	0.12	2	<0.5	<0.2
2109095	Drill Core	0.030	46	18	0.39	83	0.153	<1	1.35	0.022	0.78	0.3	<0.01	2.3	0.6	<0.05	4	<0.5	<0.2
2109096	Drill Core	0.018	25	21	0.44	53	0.120	<1	1.28	0.046	0.36	0.4	<0.01	2.3	0.3	0.24	4	<0.5	<0.2
2109097	Drill Core	0.031	47	12	0.35	67	0.018	1	1.18	0.009	0.43	0.4	<0.01	1.6	0.2	0.38	3	<0.5	<0.2
2109098	Drill Core	0.028	23	15	1.30	38	0.053	<1	1.66	0.005	0.32	0.2	<0.01	1.5	0.1	<0.05	4	<0.5	<0.2
2109099	Drill Core	0.038	47	13	0.40	60	0.032	2	1.29	0.009	0.45	0.7	<0.01	1.7	0.3	0.28	4	<0.5	<0.2
2109100	Drill Core	0.040	42	14	0.44	66	0.062	2	1.36	0.012	0.56	0.5	<0.01	2.0	0.4	0.18	4	<0.5	<0.2
2109101	Drill Core	0.019	24	20	0.39	48	0.112	<1	1.12	0.036	0.35	0.3	<0.01	2.6	0.3	0.41	4	<0.5	<0.2
2109102	Drill Core	0.021	41	12	0.24	67	0.061	2	0.94	0.019	0.51	0.6	<0.01	1.6	0.3	<0.05	3	<0.5	<0.2
2109103	Drill Core	0.019	11	11	0.45	8	0.058	1	1.08	0.010	0.10	51.8	<0.01	2.1	0.1	1.00	3	<0.5	<0.2
2109104	Drill Core	0.033	22	12	0.44	72	0.011	2	0.92	0.040	0.42	0.6	<0.01	3.4	0.2	0.29	2	<0.5	<0.2
2109105	Drill Core	0.031	2	32	1.99	50	0.009	4	1.34	0.007	0.38	0.6	<0.01	12.8	0.2	1.55	4	<0.5	<0.2
2109106	Drill Core	0.030	2	89	1.43	29	0.131	2	2.09	0.021	0.35	0.2	<0.01	6.3	0.3	0.30	4	<0.5	<0.2
2109107	Drill Core	0.032	11	103	1.93	108	0.176	1	2.95	0.004	0.84	0.2	<0.01	3.8	0.7	<0.05	6	<0.5	<0.2
2109108	Drill Core	0.029	16	61	1.43	83	0.174	3	2.51	0.004	0.67	0.3	0.01	3.0	0.5	0.30	5	<0.5	<0.2
2109109	Drill Core	0.042	5	158	1.63	64	0.180	<1	2.93	0.007	0.48	86.3	<0.01	5.8	0.4	0.06	5	<0.5	<0.2
2109110	Drill Core	0.036	2	32	0.20	4	0.165	<1	0.88	0.010	0.02	3.8	<0.01	4.1	0.2	1.65	2	0.9	0.4



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Bureau Veritas Commodities Canada 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

Project: None Given
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CERTIFICATE OF ANALYSIS

VAN16000569.1

Method	WGHT	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202
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	
2109111	Drill Core	0.79	0.4	242.3	23.5	201	<0.1	57.4	26.2	1204	4.30	102.4	0.2	1.5	1.3	20	1.2	0.1	0.5	70	0.86
2109112	Drill Core	0.62	0.5	50.4	5.5	139	<0.1	34.2	7.5	1667	4.67	6.7	1.0	<0.5	7.9	17	0.1	<0.1	0.1	35	0.45
2109113	Drill Core	1.13	0.4	192.6	108.1	566	0.2	46.0	17.5	743	3.49	34.9	0.8	<0.5	6.3	18	6.5	0.1	1.4	33	0.57
2109114	Drill Core	1.10	0.5	69.2	34.0	574	<0.1	23.6	8.5	978	3.87	3.8	1.2	0.7	8.7	12	4.7	<0.1	0.7	35	0.57
2109115	Drill Core	0.93	0.4	24.8	13.4	80	<0.1	36.0	12.8	710	3.88	5.6	1.0	0.5	7.1	6	<0.1	<0.1	0.7	122	0.79
2109116	Drill Core	0.85	1.3	21.3	45.4	84	<0.1	32.8	13.7	660	3.91	16.5	1.7	4.2	10.4	5	0.1	<0.1	2.2	72	0.68



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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

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CERTIFICATE OF ANALYSIS

VAN16000569.1

Method	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202
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	
2109111	Drill Core	0.030	4	66	1.01	23	0.110	2	1.61	0.021	0.26	0.5	<0.01	4.8	0.2	1.03	3	0.5	<0.2
2109112	Drill Core	0.032	17	37	1.42	45	0.111	<1	2.32	0.006	0.31	19.8	<0.01	2.0	0.3	0.28	4	<0.5	<0.2
2109113	Drill Core	0.026	12	34	0.60	40	0.113	1	1.14	0.020	0.19	0.8	<0.01	3.3	0.2	1.20	2	0.7	<0.2
2109114	Drill Core	0.032	17	38	0.86	32	0.118	2	1.58	0.020	0.16	0.5	<0.01	2.8	0.1	0.57	4	<0.5	<0.2
2109115	Drill Core	0.039	37	106	2.11	2	0.113	<1	2.05	0.058	0.02	0.2	<0.01	10.4	<0.1	0.69	9	0.7	<0.2
2109116	Drill Core	0.070	<1	96	2.19	7	0.090	<1	2.09	0.055	0.05	0.3	<0.01	6.8	<0.1	0.89	8	<0.5	0.3



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Vancouver BC V6E 2E9 CANADA

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QUALITY CONTROL REPORT

VAN16000569.1

Method	WGHT	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202
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																					
2109072	Drill Core	1.23	0.2	47.4	9.8	25	<0.1	17.3	5.1	462	1.93	3.0	1.5	<0.5	8.3	20	<0.1	<0.1	0.3	11	1.24
REP 2109072	QC		0.3	49.1	10.1	26	<0.1	17.1	5.1	462	1.90	2.9	1.5	<0.5	8.3	20	<0.1	<0.1	0.3	11	1.23
2109089	Drill Core	1.09	8.3	88.3	6.9	77	<0.1	26.4	18.5	384	2.61	97.4	2.6	7.3	15.3	16	0.3	0.2	1.2	11	0.44
REP 2109089	QC		8.7	89.7	7.1	78	<0.1	27.9	19.2	398	2.70	107.2	2.6	8.0	15.6	16	0.3	0.2	1.2	11	0.46
2109103	Drill Core	1.16	0.4	151.0	85.0	178	0.4	11.0	13.9	1117	3.26	72.1	0.6	4.2	3.5	21	0.8	0.2	3.1	10	1.21
REP 2109103	QC		0.4	146.3	84.8	170	0.4	10.8	14.6	1079	3.18	70.7	0.5	5.7	3.1	20	0.9	0.2	3.0	9	1.18
2109116	Drill Core	0.85	1.3	21.3	45.4	84	<0.1	32.8	13.7	660	3.91	16.5	1.7	4.2	10.4	5	0.1	<0.1	2.2	72	0.68
REP 2109116	QC		1.2	21.7	45.8	85	<0.1	35.0	14.6	668	3.94	15.4	1.7	2.9	9.8	5	<0.1	<0.1	2.1	73	0.69
Core Reject Duplicates																					
2109063	Drill Core	1.02	0.2	153.1	145.5	813	0.3	56.4	38.8	1167	3.91	318.7	<0.1	<0.5	0.8	29	5.0	0.4	1.1	84	1.90
DUP 2109063	QC		0.2	153.7	145.6	778	0.3	54.1	40.9	1129	3.84	337.2	<0.1	1.0	0.8	28	5.3	0.4	1.0	79	1.80
2109097	Drill Core	0.89	0.8	60.8	7.7	48	<0.1	33.3	33.0	341	2.53	415.0	2.8	4.4	19.7	11	<0.1	0.3	1.9	9	0.37
DUP 2109097	QC		0.9	64.9	7.3	47	<0.1	32.0	29.3	339	2.51	344.5	2.7	3.0	19.4	10	<0.1	0.2	1.5	8	0.37
Reference Materials																					
STD DS10	Standard		16.6	158.6	155.7	372	1.9	78.4	13.8	939	2.86	47.4	2.8	83.3	8.4	74	2.7	8.5	13.0	44	1.13
STD DS10	Standard		15.8	159.3	153.5	381	1.9	77.3	12.8	913	2.78	47.0	2.8	70.6	8.0	69	2.7	8.9	12.6	44	1.10
STD DS10	Standard		14.9	160.5	148.3	365	1.8	78.9	13.1	920	2.82	46.1	2.8	84.1	7.8	67	2.4	8.8	12.1	43	1.10
STD DS10	Standard		13.6	167.8	148.5	366	1.8	76.0	13.4	875	2.80	49.4	2.7	90.4	7.9	65	2.9	10.3	13.1	43	1.06
STD OXC129	Standard		1.4	29.5	6.8	40	<0.1	81.1	20.3	430	3.09	0.6	0.7	199.2	1.9	200	<0.1	<0.1	<0.1	51	0.71
STD OXC129	Standard		1.3	26.4	6.3	41	<0.1	79.7	19.9	423	3.02	0.6	0.7	180.9	1.8	183	<0.1	<0.1	<0.1	50	0.68
STD OXC129	Standard		1.3	28.7	6.4	40	<0.1	82.6	20.7	422	3.03	0.7	0.7	187.6	1.9	191	<0.1	<0.1	<0.1	50	0.68
STD OXC129	Standard		1.2	28.4	6.7	42	<0.1	78.7	21.1	412	3.05	<0.5	0.7	189.2	2.0	174	<0.1	<0.1	<0.1	52	0.61
STD DS10 Expected			15.1	154.61	150.55	370	2.02	74.6	12.9	875	2.7188	46.2	2.59	91.9	7.5	67.1	2.62	9	11.65	43	1.0625
STD OXC129 Expected			1.3	28	6.3	42.9		79.5	20.3	421	3.065	0.6	0.72	195	1.9					51	0.665
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
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



Bureau Veritas Commodities Canada 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

Project: None Given
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QUALITY CONTROL REPORT

VAN16000569.1

Method		AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	
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																				
2109072	Drill Core	0.016	41	13	0.28	44	0.036	2	0.86	0.019	0.22	0.4	<0.01	2.1	0.1	0.14	3	<0.5	<0.2	
REP 2109072	QC	0.015	42	13	0.28	46	0.036	2	0.85	0.019	0.22	0.5	<0.01	2.2	0.1	0.14	3	<0.5	<0.2	
2109089	Drill Core	0.046	16	11	0.34	74	0.028	3	1.24	0.019	0.47	0.8	<0.01	3.2	0.2	0.46	4	<0.5	<0.2	
REP 2109089	QC	0.049	16	12	0.36	74	0.030	2	1.27	0.019	0.47	0.9	<0.01	3.2	0.2	0.49	4	<0.5	<0.2	
2109103	Drill Core	0.019	11	11	0.45	8	0.058	1	1.08	0.010	0.10	51.8	<0.01	2.1	0.1	1.00	3	<0.5	<0.2	
REP 2109103	QC	0.018	10	11	0.44	8	0.057	1	1.04	0.010	0.10	51.2	<0.01	2.2	0.1	0.99	3	<0.5	<0.2	
2109116	Drill Core	0.070	<1	96	2.19	7	0.090	<1	2.09	0.055	0.05	0.3	<0.01	6.8	<0.1	0.89	8	<0.5	0.3	
REP 2109116	QC	0.066	<1	95	2.22	8	0.093	<1	2.13	0.056	0.05	0.3	<0.01	7.1	<0.1	0.89	8	<0.5	0.2	
Core Reject Duplicates																				
2109063	Drill Core	0.038	2	83	0.95	39	0.156	<1	1.72	0.034	0.32	1.1	<0.01	6.5	0.4	0.84	4	<0.5	<0.2	
DUP 2109063	QC	0.040	1	81	0.93	39	0.140	<1	1.66	0.031	0.31	1.2	<0.01	6.2	0.3	0.85	3	<0.5	<0.2	
2109097	Drill Core	0.031	47	12	0.35	67	0.018	1	1.18	0.009	0.43	0.4	<0.01	1.6	0.2	0.38	3	<0.5	<0.2	
DUP 2109097	QC	0.027	45	12	0.35	62	0.020	2	1.14	0.008	0.41	0.4	<0.01	1.6	0.2	0.38	3	<0.5	<0.2	
Reference Materials																				
STD DS10	Standard	0.077	20	61	0.81	356	0.089	7	1.11	0.071	0.35	3.1	0.31	3.2	5.4	0.29	5	2.6	5.2	
STD DS10	Standard	0.079	20	56	0.78	347	0.088	7	1.10	0.071	0.35	3.4	0.31	3.1	5.5	0.28	5	2.2	5.1	
STD DS10	Standard	0.076	18	59	0.79	330	0.083	6	1.09	0.070	0.35	3.3	0.29	3.1	4.8	0.28	5	2.1	4.8	
STD DS10	Standard	0.083	18	56	0.77	360	0.079	6	1.01	0.068	0.33	3.6	0.29	3.0	5.2	0.28	4	2.3	5.4	
STD OXC129	Standard	0.100	13	55	1.59	50	0.408	2	1.61	0.614	0.36	<0.1	<0.01	0.9	<0.1	<0.05	6	<0.5	<0.2	
STD OXC129	Standard	0.095	12	51	1.55	48	0.377	1	1.55	0.597	0.36	<0.1	<0.01	0.8	<0.1	<0.05	5	<0.5	<0.2	
STD OXC129	Standard	0.101	13	54	1.56	48	0.410	<1	1.56	0.601	0.36	<0.1	<0.01	0.8	<0.1	<0.05	5	<0.5	<0.2	
STD OXC129	Standard	0.107	14	52	1.55	54	0.399	1	1.53	0.589	0.36	<0.1	<0.01	1.0	<0.1	<0.05	6	<0.5	<0.2	
STD DS10 Expected		0.0765	17.5	54.6	0.775	359	0.0817		1.0755	0.067	0.338	3.32	0.3	3	5.1	0.29	4.5	2.3	5.01	
STD OXC129 Expected		0.102	13	52	1.545	50	0.4	1	1.58	0.6	0.37			1.1			5.6			
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	
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	
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	
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	



BUREAU VERITAS MINERAL LABORATORIES
Canada

www.bureauveritas.com/um

Bureau Veritas Commodities Canada 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

Project: None Given
Report Date: April 13, 2016

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QUALITY CONTROL REPORT

VAN16000569.1

		WGHT	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202
		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		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
Prep Wash																					
ROCK-VAN	Prep Blank		0.8	5.7	1.3	31	<0.1	1.1	3.7	418	1.75	0.8	0.4	<0.5	2.4	25	<0.1	<0.1	<0.1	22	0.59
ROCK-VAN	Prep Blank		0.8	2.6	1.1	29	<0.1	1.1	3.7	394	1.63	0.8	0.4	<0.5	2.4	22	<0.1	<0.1	<0.1	21	0.55



Bureau Veritas Commodities Canada 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

Project: None Given
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QUALITY CONTROL REPORT

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		AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	
		P	La	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	ppm	ppm
Prep Wash		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
ROCK-VAN	Prep Blank	0.042	5	3	0.41	57	0.071	2	0.82	0.061	0.06	<0.1	<0.01	2.7	<0.1	<0.05	4	<0.5	<0.2
ROCK-VAN	Prep Blank	0.043	5	2	0.39	57	0.068	3	0.75	0.051	0.05	<0.1	<0.01	2.3	<0.1	<0.05	4	<0.5	<0.2